

THE FACILITIES OF AMERICAN RADIO



**FM STATIONS
MARKETS 1-100**

1997 EDITION

EDITED AND RESEARCHED

BY J.T. ANDERTON

WITH THOM MOON

**WILLIAM P. SUFFA, P.E.
ENGINEERING CONSULTANT**

PUBLISHED BY



DUNCAN'S AMERICAN RADIO

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Completely revised and updated

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THE FINE PRINT

The base maps in this book were created exclusively for this book by J. T. Anderton and Thom Moon of Duncan's American Radio. The maps were created using several programs licensed by Duncan's from the MapInfo Corporation of Troy, NY., the leading supplier of professional-grade desktop mapping software. Significant portions of the data are taken from U.S. Census Bureau TIGER files. The Arbitron Metro Survey Area maps were created by Duncan's from information copyrighted by The Arbitron Ratings Company. The coverage contours shown on the individual station maps were generated using proprietary software developed by William P. Suffa, P. E. Contour depictions conform to methodology set forth in Section 73.313 of the FCC Rules and Regulations.

All station data herein was transcribed directly from FCC technical files and/or FCC databases. In cases where station data was unavailable or missing from FCC files, every reasonable effort was made to acquire such data through other sources deemed reliable by the author. Every effort was made to reflect on-air facilities and CPs as of July, 1996. Given the volume of station data involved, some inaccuracies and/or omissions are unavoidable. We will be responsible for errors only to the extent that subscribers will be notified if such action is justified. Please notify the author with updates and corrections at (513) 731-1800.

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AUTHOR'S FOREWORD...

I'm very proud to bring you the second edition of *The Facilities of American Radio*. Your enthusiastic acceptance of the original 1989 edition as an industry reference standard has been most gratifying to me in the years since it was published.

This new book is the first Duncan publication ever to be planned and executed from day one in totally electronic form. All base maps, data and contour information in this book were created electronically either by me or under my direct supervision, in our shop. The result is an extremely high degree of accuracy and readability.

This edition would not have been possible without the support of Jim Duncan and Randy Michaels. Jim's backing and belief in the project allowed me to complete the year-long research and production process which resulted in publication of the first edition. It marked the first time anywhere that the coverage of America's major FM facilities had been documented. The second volume has been possible because Randy Michaels, through Critical Mass Media, recently bought into Duncan's American Radio, providing the wherewithal to create new products and services. Even before he acquired an equity position in the Duncan firm, Randy hired me full-time to work on this book. Without his enthusiastic backing, the original facilities book could well have been a one-time publication.

Although I am 100% responsible for the concept, design and research that produced this book, I must acknowledge the major contributions of my long-time friend and collaborator, Thom Moon. As with the first edition, Thom's input and expertise have been invaluable throughout the project. Thom also played a major role in the design and production of the base maps in this book. After 15 years of association, Thom still amazes me with an almost encyclopedic knowledge of stations, markets, ratings and radio history. We're fortunate to have him as Operations Director for Duncan's. No one in the industry is better suited for the position.

I'm also indebted to Bill Suffa, formerly of the engineering firm of Suffa and Cavell, now VP for Strategic Development for Jacor Communications. Our contour maps were generated using software Bill produced for his engineering practice. Bill took my station data, and then matched it against his data and the FCC's electronic database to assure accuracy and conformance to FCC standards.

I am also most grateful to Dennis Williams and Jim Crutchfield of the Audio Services Division of the FCC, who permitted me access to the technical file room to review each station's facilities. A work such as this would not be possible without their cooperation. Thanks also to the staff of the FCC's Public Reference Room, who very patiently handled hundreds of requests as I checked each of the active application files.

All FCC research that I couldn't cover was done by Washington-based research analyst Mona Wargo. Mona's help has been invaluable, particularly after I moved from Washington to Cincinnati to head the new Duncan's partnership.

There are numerous others to thank: Dave Allen and Tom Oliver of Critical Mass for genius-level computer help, Jim Nolan for his fine layout work, and the many station managers and engineers who took time to answer countless questions when I was still in doubt on a facility after searching all of the files at the FCC.

Many thanks go to you, our Duncan subscribers. I appreciate your continuing support of our work. As with the first edition, I will be happy to talk with subscribers with comments, questions or suggestions. You can reach me at the Duncan operations office in Cincinnati; (513) 731-1800.

James T. Anderton, Jr.
Cincinnati, Ohio
September, 1996

HOW TO INTERPRET THE DATA TABLES

Call

Call letters, updated through late Summer, 1996.

Freq

Frequency (dial position) in megahertz. **All data tables and the map sections within each market are arranged in ascending frequency order, as one would encounter them scanning up the dial.**

Class

FCC station class. There are seven classes, ranging from A, the lowest-power, to full C, the highest. Class is a quick way to approximate how much a station covers, as stations within the same class have generally similar coverage areas.

The FCC divides the country into zones, in which only specified classes are permitted. For details on which classes are permitted in each zone, please refer to "Coverage Classes" elsewhere in this introduction.

"Grandfathered" stations: A station operating with a higher ERP and/or HAAT than those allowed for its class under current rules. Grandfathered stations are always noted in the data tables with the addition of a plus sign (B+, C1+, etc.) following the Class designation. With few exceptions, these situations all pre-date the current allocations scheme, which was adopted in 1961. While many grandfathered stations cover more than stations licensed under current power rules, some cover less. Example: A Class C1 station operating with 115-kw at 490' would have "grandfathered" status because it runs more than the current 100-kw class maximum, even though this station would cover significantly less than a "standard" C1 running 100-kw at the class antenna height limit of 981'.

Grandfathered stations receive interference protection only to the maximum facilities for their class. Coverage of a grandfathered station may be affected by stations granted under current allocation standards.

ERP in kw

Effective Radiated Power. Simply the station's power stated in kilowatts, or thousands of watts. *Important note:* Higher power is usually better, though certainly not always. However, the FCC limits coverage within a class of stations, meaning that power must be reduced when antennas are mounted above certain specified heights. See details elsewhere in this introduction.

DA?

Directional or not. Roughly 10-15% of all FMs are required to suppress their signals in one or more directions to avoid interference with nearby stations on the same or adjacent channels. In FM, directional always means *less* coverage than a non-DA with a like facility. This rule differs greatly from the AM service, where DA's are often used to reinforce the signal in one or more directions. The FCC will not license an FM directional which would exceed the theoretical contours the station would reach operating with the same ERP/HAAT combination at that site in a non-directional mode. Certain stations voluntarily opt for directional antennas for a variety of technical reasons.

Technical note: Beginning with this edition, we have plotted directional "envelopes" rather than actual antenna patterns, as dictated by FCC regulations.

HAAT

Height Above Average Terrain, listed in both feet and meters. We've added metric HAAT for direct comparison with FCC applications. All other measures in this book are in English units (feet, miles, etc.).

Average terrain at a given transmitter site is determined by averaging the elevation above sea level of the terrain along each of eight or more uniformly-spaced bearings from the transmitter site, and then averaging the resulting figures. Only terrain between two and ten miles from the transmitter site enters into the calculation. Height above average terrain is determined by subtracting the average terrain figure from the antenna's center of radiation above sea level. Certain exceptions to the standard calculation method can be made in the presence of large bodies of water or mountain ranges.

Tower Ht.

The overall height above ground (in feet) of the tower, structure or building upon which the station's antenna is mounted. When the tower is on a building, the figure refers to the combined height of the building and the tower. FM antennas are generally, though not always, mounted at or near the top of the supporting structure. Where the tower also carries antennas for other stations, particularly television stations, the FM antenna can be mounted significantly below the top of the tower.

Coordinates

The transmitter location in degrees, minutes and seconds of north latitude and west longitude.

Location

In all data table listings, the second line is the location of the station's transmitter. Wherever possible, we attempted to describe the site so that anyone with a standard road atlas can locate it. In cases of remote tower locations, this was not always possible. In these cases, we always tried to reference the site to the nearest town or landmark.

City of License

The FCC's regulatory structure provides that each station shall serve a principal "community of license" and the surrounding area. The station's city-grade contour (70 dBu or 3.16 millivolts) must encompass the community of license. This requirement, and required mileage separations between stations, are the primary limitations on where a station's transmitter may be located.

City of license alone has no effect on coverage. Two stations licensed to different cities may be located on the same tower with similar coverage. For example, WHTZ, licensed to Newark, NJ, transmits from the New York City "master" antenna atop the Empire State Building in Manhattan, and has the same theoretical coverage as the other full-power Class B stations which transmit from that antenna. Because the principal community contour generated by a full-power Class B stations transmitting from this antenna encompasses both New York and Newark, any full-power B transmitting from this antenna could be licensed to New York, Newark or any other community encompassed by this principal community coverage contour.

ABOUT THE MAPS

The maps in this book were created by Duncan's American Radio for this specific use, using professional desktop mapping software. City outlines were taken from Census Bureau data. In each market, we attempted to select a group of city outlines which would, in aggregate, approximate as

closely as possible the extent of urban development in a market. Our goal was to allow the user to make quick comparisons of coverage over population concentrations.

By creating our own maps, we were able to control the amount of detail on the maps. Our goal was to increase clarity while retaining enough detail to give the user a "feel" for the market's geography. In many markets, we were able to include many newer, developing areas on the periphery of the market. We felt this would be especially useful in gauging the reach of stations in the lower power classes.

ABOUT THE SCALE

Every map in this book is scaled at 40 miles per inch, or approximately 64 kilometers per inch. This scale which provides room for an individual coverage map for each station while keeping the book manageably sized. This consistent scale enables the user to make direct, "apples-to-apples" comparisons of the coverage of any two stations in the book.

To the extent possible, we have kept the base geography in each market constant from coverage map to coverage map, rather than centering each map at the station's transmitter site as is normal practice for consulting engineers. By showing the same geography throughout a market, the user is able to see the relative location of each station's transmitter, and the direction from which move-in signals entered the market in relation to signals which are "home" to the market.

In the case of a few extraordinarily large signals with towers some distance from the center of a market's population, we did find it necessary to adjust the base geography to accommodate that station's contours.

YOUR MILEAGE MAY DIFFER

While our contours were plotted using a computer program designed in strict accordance with the FCC's rules and accepted engineering practice, it is normal to see some minor distance-to-contour variation when these maps are compared directly to maps generated by other such programs. These variations can result from differences in the amount of detail in the terrain data used, the number of radials used to calculate the contours, computer programming methodology or other factors. For a given station, each of several different distance-to-contour programs could generate a slightly different map, and each would be "FCC legal."

In this edition, the contours for some stations look a bit different from the same station's contours in our last edition, even though the station has not changed its facilities. The contour-generating software used to produce the maps in this book is more sensitive to terrain obstructions than the software used for the 1989 edition. The differences show up mostly in markets in mountainous areas. Both maps are "correct," but generally, the 1996 map will be more irregularly-shaped towards hills and mountains. In all cases, the data which generated the map was taken directly from FCC files, and adheres to the Commission's uniform contour-generation methodology.

A WORD ON DIRECTIONALS

Beginning with this volume, we plot the "envelopes" for directional stations rather than their actual antenna patterns, as were plotted in the 1989 volume. This brings our coverage representations in line with current FCC policy, and more nearly parallels the depictions of coverage for non-directional stations. Envelopes are simply the maximum coverage parameters that the designer of a directional antenna is permitted to fill. In some cases it is possible to fill most of an envelope, in others it is not. In some cases, the envelope is the same as the measured pattern. In no case can a DA exceed the limits of the envelope.

ABOUT CONTOURS AND THE MAPS

Each map includes three features:

The station's transmitter site, designated by the symbol

The transmitter site is simply the location of the station's transmitting antenna. There is no technical relationship between a station's studio location and the antenna site. Most often, they are at separate locations. FM transmission is "line-of-sight;" generally, the higher the transmitting site, the better the coverage. Three kinds of sites are most often utilized for FM: free-standing towers, masts mounted atop tall buildings and mountain or hilltops. Tower sites are often shared with other stations.

The station's principal community ("city-grade") contour (the inner contour on every map)

The "principal community" contour is often referred to as the "city grade," or sometimes the 3.16 millivolt, or the 70 dBu contour. The FCC defines this signal value as minimum acceptable service over the community of license. Inside this contour, *most radios should provide good reception at the majority of receiving locations*. Exceptions are "shadow areas" resulting from natural or man-made obstructions such as a ridge or a concentration of buildings in a downtown area near the edge of a principle community contour. *The FCC requires that this contour cover the principle community of license and the station's main studio.*

The station's 1-millivolt contour (the outer contour on every map)

The 1-millivolt contour is often called the 60 dBu contour. Generally speaking, this is *the point at which a station will be received satisfactorily at most receiving locations, on a radio of average quality*. This contour is "protected" by the FCC for stations in Classes A, C3, C2, C1 and C. Class B1 and B stations receive protection slightly beyond this contour (see "Coverage Classes" below). Most FM stations can be received satisfactorily at many locations well past the 1-millivolt contour, particularly on better radios (including most car radios).

By the same token, short-spacing situations are numerous, some of which are severe enough to render reception difficult even inside the 1-millivolt contour. In addition, terrain obstructions and interference can cause very poor reception even inside a station's principal community contour.

Some maps include a fourth feature: **CP contours**, indicating an FCC permit to construct a new facility. *A dashed line indicates that a construction permit has been granted*, allowing the station to build a new facility which will cover the area delineated by the dashed lines. Stations are permitted 18 months to build the facility granted in a CP. Six-month extensions generally are granted if the applicant can demonstrate some tangible progress toward construction.

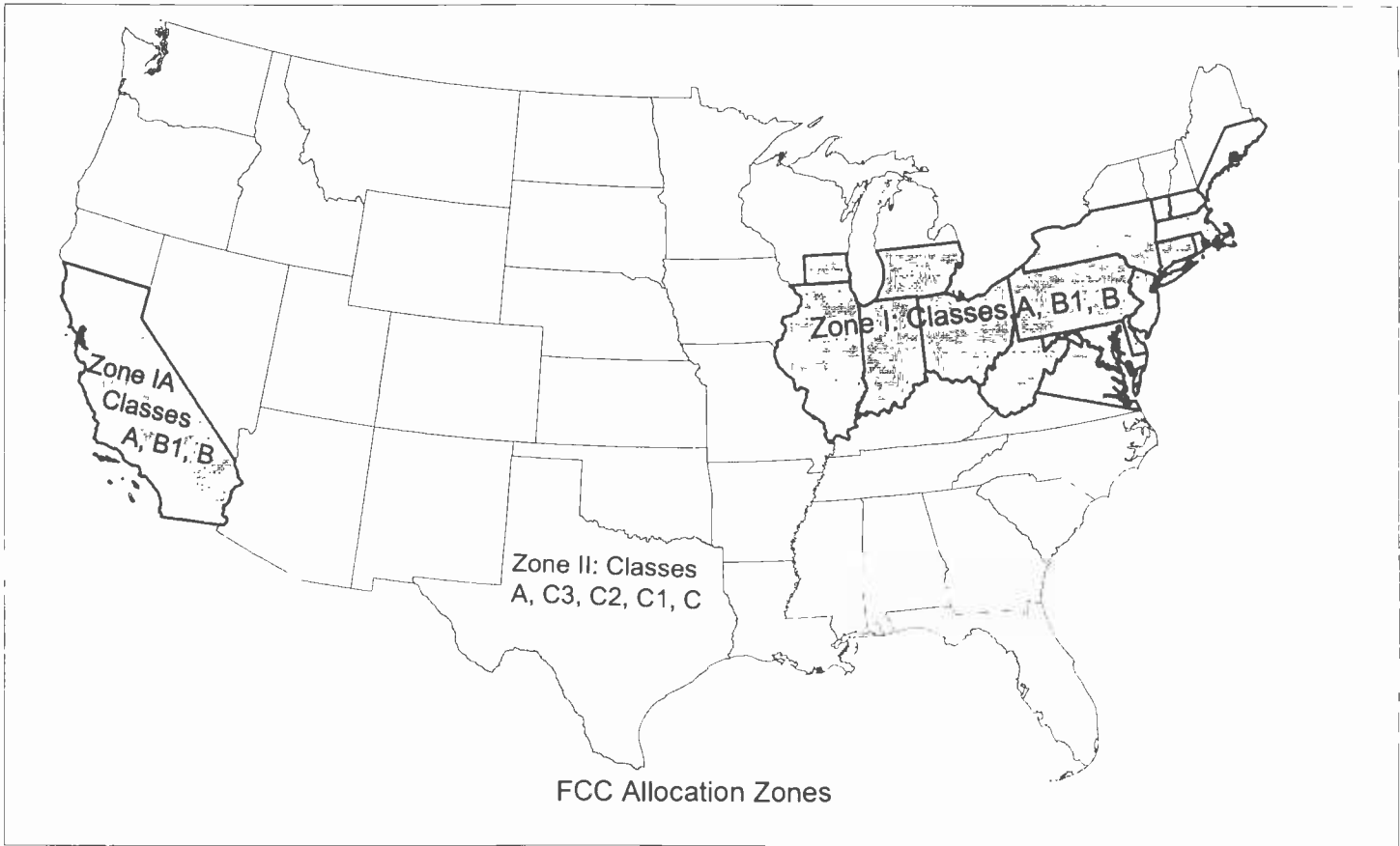
Pending construction applications are not included in this book. All dashed contours indicate an active CP as of August, 1996.

Where two or more stations have the same coverage, we have printed only one map, with multiple station data lines. In almost all of these "common map" cases, there is less than a mile of theoretical coverage difference between the stations.

COVERAGE CLASSES

Each FM station falls into one of the FCC's seven coverage classifications (sometimes called "power classes"), ranging up in increasing size of area covered, from Class A to Class C. In effect, the class system serves to specify a maximum coverage for a given station. The rules set forth the maximum power and antenna height which can be employed by stations in each class.

The country is divided into two FM "zones." Zone I includes all of the Northeast except northern Maine, the northern portion of the mid-Atlantic area, the more densely-populated sections of the Midwest, and the southern three-quarters of California. Zone II includes the rest of the country.



Class A stations are allowed in both zones. Class B and B1 stations are allowed only in Zone I. Class C, C1, C2 and C3 stations are licensed only in Zone II. C Class stations are not allowed in Zone I, and B Class stations cannot be licensed in Zone I.

Table 1
Maximum Facility Contours

Distances in miles
HAAT in feet

Class	ERP in kw	HAAT	3.16 mV	1 mV
A	3.00	328	8.59	15.29
A	6.00	328	9.70	17.70
B1/C3	25.00	328	14.60	23.90
B/C2	50.00	492	20.13	32.20
C1	100.00	982	31.14	45.00
C	100.00	1968	42.00	57.10

Technical note: The current reference HAAT points are at 328' (100 M, for Class A, B1 and C3), 492' (150 M, for Class B and C2), 981' (299 M, maximum for Class C1), 984' (300 M, minimum for Class C) and 1968' (600 M, maximum for Class C). Prior to the FCC's conversion to metric in 1984, the reference HAAT points were 300', 500', 1000' and 2000'.

Table 2
Minimum Distance Separation Chart
 Distances in kilometers, followed by miles

Relation	Co-channel		200 kHz		400/600 kHz		I.F.	
	Km	Mi	Km	Mi	Km	Mi	Km	Mi
A to A	115	71	72	45	31	19	10	6
A to B1	143	89	96	60	48	30	12	7
A to B	178	111	113	70	69	43	15	9
A to C3	142	88	89	55	42	26	12	7
A to C2	166	103	106	66	55	34	15	9
A to C1	200	124	133	83	75	47	22	14
A to C	226	140	165	103	95	59	29	18
B1 to B1	175	109	114	71	50	31	14	9
B1 to B	211	131	145	90	71	44	17	11
B1 to C3	175	109	114	71	50	31	14	9
B1 to C2	200	124	134	83	56	35	17	11
B1 to C1	233	145	161	100	77	48	24	15
B1 to C	259	161	193	120	105	65	31	19
B to B	241	150	169	105	74	46	20	12
B to C3	211	131	145	90	71	44	17	11
B to C2	241	150	169	105	74	46	20	12
B to C1	270	168	195	121	79	49	27	17
B to C	274	170	217	135	105	65	35	22
C3 to C3	153	95	99	62	43	27	14	9
C3 to C2	177	110	117	73	56	35	17	11
C3 to C1	211	131	144	90	76	47	24	15
C3 to C	237	147	176	109	96	60	31	19
C2 to C2	190	118	130	81	58	36	20	12
C2 to C1	224	139	158	98	79	49	27	17
C2 to C	249	155	188	117	105	65	35	22
C1 to C1	290	180	217	135	105	65	35	22
C1 to C	290	180	217	135	105	65	35	22
C to C	290	180	241	150	105	65	48	30

Technical notes: Mileages on this chart have been rounded from kilometers. For specific engineering applications, the FCC metric chart (kilometers) should be used. The "I.F." column is the required separation from stations 10.6 and 10.8 mHz removed (the 53rd and 54th channels). These protections were enacted to protect listeners from interference due to unsophisticated receiver designs in the earliest days of FM radio.

Each power class is "protected" from interference to a specific contour. All A and C Class stations are protected to the 60 dBu contour (1-millivolt). Class B stations get protection to the 54 dBu contour (0.5 millivolts), while Class B1 stations are protected to the 57 dBu contour (0.7 millivolts). New stations must conform to the FCC's table of mileage separations to protect existing stations from interference inside of their protected contours.

ERP vs. HAAT TRADE-OFFS

If a station proposes an antenna site which exceeds the "reference" HAAT listed in the Maximum Facility Contour Table (above), it must reduce its ERP to a level which will result in the same theoretical coverage as would be achieved if the station were running full power for the class at the

reference height. The FCC rules specify how much ERP is allowed for a given "overheight" tower situation.

For example, New York is in Zone I, where 50-kw at 492' (150 meters) is the maximum permitted facility. The Empire State Building, New York's primary FM antenna site, is far taller than 492', so stations operating there must reduce their power to a point at which their theoretical contours are the same as if they were operating from that site with 50-kw at 492'. Most of the city's FM stations transmit from a common antenna atop the building, each with 6-kw at 1362' above average terrain. From such a lofty transmitter site, 6-kw yields the same theoretical contours as would a 50-kw transmitter at 492'.

Another example is in the Washington, DC market. WAVA and WBIG both transmit from the same tower in Arlington, Virginia. Though the tower itself is only 417' tall, it is on a ridge, which gives both FMs effective antenna heights above the 492' reference point. WAVA, at an HAAT of 541' is allowed 41-kw - slightly less than the 50-kw maximum ERP allowed in Zone I. WBIG's antenna is slightly higher on the tower than WAVA's, at 574' AAT. Since its antenna is higher, WBIG is limited to a slightly lower ERP of 36-kw. Both WAVA's 41-kw and WBIG's 36-kw yield the same theoretical coverage each would achieve with 50-kw at 492' at this site. Both are considered full Class B facilities by the FCC.

FCC CONTOUR PREDICTION METHODOLOGY

The contours in this book were generated using a computer program designed by William P. Suffa, P.E., in accordance with the provisions of Section 73.313 of the FCC Rules and Regulations. Our program was set up to generate "distance-to-contour" values along radials in 24 directions from each antenna site.

*Maps generated under 73.313 are an **approximation**, or "prediction" of the points at which the listener will receive signals of a given strength at 50% or more of the possible receiving locations.* In reality, the strength of FM signals can vary widely as the listener moves through the coverage area. In fact, signal strength can vary from strong to weak in just a few feet, or even inches. You may have noticed that it is often possible to clear up FM reception at a stop light by moving forward a few inches. Because FM signals fluctuate so greatly over such short distances, this situation occurs quite often well inside the city-grade contours of FM stations, even those of the most powerful stations. Generally, it will occur less in areas with strong predicted signal strength.

The actual signal strength fields of every FM station will differ, often significantly, from the contours generated under section 73.313 methodology. Many factors enter into the actual coverage equation, such as terrain, type of antenna, interaction with the antenna mounting structure, overall condition of the station's technical plant, heavy commercial development or clusters of tall buildings and many others.

Even so, maps generated under Section 73.313 are still the FCC's legal and allocation reference standards, and are the only widely-recognized, uniform means of comparing the extent of coverage of the various stations in a market area.

So as you review each of the market sections, please remember that each map is an FCC approximation of the station's service areas. It is obvious that many stations "overperform" the contour shown of them, while others may even "underperform" their contour. This is normal, and may result from a particular antenna configuration or other considerations. The methodology in Section 73.313 is simply intended as a common reference standard, designed to be applied easily, and to yield a workable, repeatable result under many different terrain/reception situations.

Under most conditions, stations will achieve satisfactory coverage beyond the contours shown on the maps in this book. This is especially true in areas with exceptionally flat terrain and low-density development, such as several of the Florida markets. Stations transmitting from very tall towers and from high mountaintop sites often overperform their 73.313 contours. Stations in markets such as

Albuquerque, Salt Lake City, Fresno and Los Angeles are excellent examples of this phenomenon, as are such tall-tower FMs as WTRG in Raleigh and the several 2000' towers in the Houston market.

It is important to remember that calculations from 73.313 only include terrain between two and ten miles from the transmitter site. As a result, there are several markets where 73.313 methodology can show coverage which appears to be unobstructed, even though major terrain obstructions exist at a distance of just more than 10 miles from a transmitter site. Salt Lake City, San Francisco and San Jose are markets which contain several conspicuous examples of this.

There are several more precise ways to predict and plot a given station's field strength contours. The most commonly applied method is derived from the National Bureau of Standards' Technical Note 101, using the Longley-Rice prediction model. Such maps are plotted using far more data than is required in Section 73.313. Longley-Rice maps often differ greatly from 73.313 maps, showing far more coverage in some directions, and sometimes less in others.

Technical note: The FCC adjusted the FM propagation curves in 1976, reducing the distance-to-contour values slightly in the process. Coverage maps plotted using the old curves will show a given facility covering slightly more than would a map generated using the current values. Many stations in this book have been operating with the same license parameters (site, ERP, HAAT) since before 1976. Even though the licensed facilities may not have changed, the "official" FCC coverage contours are now slightly smaller following this propagation curve adjustment.

INTERFERENCE: TODAY'S LIMITING FACTOR

As the FM band becomes more and more crowded in the more-populated sections of the country, various forms of interference have become increasingly troublesome. In fact, in many areas, the dial is so crowded that interference can render a station's signal unlistenable long before usable signal strength runs out.

Adjacent channel interference – Many stations experience interference in the form of first or second adjacent channel intrusion. Many "grandfathered" short-spacing situations exist which seriously limit a station's coverage in the direction of the interfering station. Their severity varies greatly from situation to situation. Many adjacent channel overlap situations occur in relatively unpopulated sections of a station's coverage, or in areas which are not vital to full coverage of the metro area. When adjacent channel intrusion occurs in the direction of the major population center(s), the station is obviously at a competitive disadvantage, particularly in the case of short-spaced move-ins. Fortunately, many stations have no adjacent channel problems. Others have one or more. In a market with several similar, or theoretically identical FM facilities, the "best" signal is often the signal with the fewest problem adjacencies.

Documenting such interference is beyond the scope of this work, which was intended for general business reference purposes. However, it is important to know that such interference does exist, particularly in densely urban regions where the band is particularly crowded. A proper due diligence on a station should certainly include counsel from a qualified engineering firm, or at the very least, a thorough perusal of one of the several excellent database services, such as those available from *Dataworld* or Mountain Tower's *RadioSoft*.

Intermodulation interference – There are two types of intermodulation interference. The first occurs at multi-station transmitting sites, where the transmitters are not properly isolated. The second occurs in radio receivers (this type of interference is the most common type).

Multi-station intermodulation occurs in the transmitting equipment of one or more stations. Such intermodulation is resolved by installing filters in the transmitting equipment. In some cases the intermodulation may take place in old or defective antennas or tower members. In these cases, antenna replacement or tower maintenance will resolve the interference.

Receiver-induced intermodulation occurs when two or more very strong signals mix together in a receiver to swamp out a third signal on a different frequency. Intermod can plague radios in all price ranges. This sort of interference can be resolved effectively only by reducing the strength of one or more of the strong signals or substantially increasing the strength of the weaker signal. Possible solutions could include co-location of all transmitters, changing the frequency of one or more stations, or use of receiver with better interference rejection characteristics. The FCC effectively requires new stations to resolve receiver-induced intermodulation that affects older, existing facilities. However, this resolution may take considerable time and affect reception during the adjustments.

Such signal degradation will not show up in the coverage maps in this book. In the experience of many engineers, receiver-induced intermodulation is one of the most difficult of these problems to solve. An analogy could be drawn to buying a house next to an interstate highway; it would be all but impossible to eliminate traffic noise.

Blanketing Interference – In the vicinity of a high-powered FM, that station's so-called "blanketing contour" can blot out reception of all FM signals except that of the station(s) transmitting from that site. This problem has compounded as more stations have signed on the air, and as more people have moved to locations near FM transmitters- often areas which were remote when the transmitter was built. Move-ins, which are often located in suburban areas, have added significantly to this problem.

The FCC requires new stations, or stations making significant modifications, to resolve blanketing interference complaints within a specified range from the transmitter during the first year following completion of the facility. The FCC takes this obligation very seriously, and in at least one case has ordered the station to return it its former facility when the problem could not be resolved.

Interference can often be a more significant factor in competitive coverage than signal strength alone. If questions arise regarding the effects of interference on a station, a qualified consulting engineer should be retained for a detailed analysis.

DIRECTIONAL ANTENNAS

Some FM stations are required to use directional antennas to avoid overlap with nearby stations. Others voluntarily employ directional antennas to lessen signal "waste" over unpopulated areas, although there is no benefit to doing so under the FCC rules. In fact, it penalizes the station.

FM directional antennas restrict the radiation pattern in one or more directions, but unlike AM directionals, cannot be used to boost the signal. The FCC will not license an FM DA which would exceed at any point the contours which would be achieved by the same facility operating in a non-directional mode. An FM directional will always cover less than the same facility at that site would cover operating in a non-directional mode with the same ERP and HAAT.

A directional and/or short-spaced FM can still be fully competitive in a market, especially if the directional pull-in is in an unimportant direction. The station's ability to compete effectively is directly proportional to the severity and direction of the short-spacing and the amount of directional suppression required. In fact, use of a DA may permit a competitive move-in where it might not otherwise be permitted.

In some cases, co- or adjacent channel stations directionalize to protect each other. This arrangement usually results in more effective coverage than would result from both stations operating in a non-directional mode.

Technical note: The maps for directional stations in this book represent "envelopes" of allowable coverage. In our last edition (1989), directionals were plotted from actual measured antenna patterns. Thus, maps for directional stations in the first edition are *not* directly comparable to the maps for directional stations in this book. Maps in this book will usually show these stations covering somewhat *more* than the map for the same station in the first edition. This is because the measured pattern must fit

inside the envelope, but rarely fills it entirely. This change was made to be in compliance with FCC policy, and because directional envelope plots are more logically comparable to the theoretical values shown for non-directional stations.

NO FM IS A PERFECT CIRCLE

Even with flat terrain and a "non-directional" antenna, no FM station has a completely circular radiation pattern. Every FM antenna generates a measurable radiation pattern which deviates from perfectly circular. In addition, the mounting structure which supports the antenna always has at least some effect on the pattern. In many cases, the tower face reinforces the signal in the direction the antenna is oriented, and can also have some blocking effect in the direction opposite the antenna's orientation. In most cases, even non-directional stations have "minima," or directions where the signal is less powerful than in other directions.

In many cases, it is possible to mount the antenna of a non-directional station on the face of a tower in such a manner that the signal is reinforced in one or more directions, resulting in coverage which can exceed the theoretical contours shown in this book. Experts differ on just how much of this "optimization" can be achieved. In many cases, stations can boost the signal in the desired direction by 5-10%, and often, a good bit more. The FCC does not consider these "optimized" antennas when a station is classified as non-directional.

In the case of directional stations, the designing engineer must certify to the FCC that the antenna has been tested for a precise interface with the structure upon which the antenna is to be mounted, and that the radiation pattern conforms strictly to the licensed DA "envelope" values. Since non-directional stations are not subject to this certification, they may gain more effective coverage than directional FM stations, which are strictly limited. Therefore, in FM, a non-directional antenna is almost always preferable to a directional antenna.

INDIVIDUAL MARKET REPORTS

Akron
Albany - Schenectady - Troy
Albuquerque
Allentown - Bethlehem
Atlanta
Austin
Bakersfield
Baltimore
Baton Rouge
Birmingham
Boston
Buffalo
Charleston, SC
Charlotte
Chattanooga
Chicago
Cincinnati
Cleveland
Colorado Springs
Columbia, SC
Columbus, OH
Dallas - Fort Worth
Dayton
Daytona Beach
Denver
Des Moines
Detroit
El Paso
Ft. Myers - Naples
Ft. Wayne
Fresno
Grand Rapids
Greensboro - Winston Salem - High Point
Greenville - New Bern - Jacksonville
Greenville - Spartanburg
Harrisburg
Hartford
Honolulu
Houston
Indianapolis
Jacksonville
Johnson City - Bristol - Kingsport
Kansas City
Knoxville
Lafayette, LA
Las Vegas
Little Rock
Los Angeles
Louisville
McAllen - Brownsville
Melbourne - Titusville
Memphis
Miami - Ft. Lauderdale
Milwaukee
Minneapolis - St. Paul
Mobile
Monmouth - Ocean, NJ
Monterey - Salinas - Santa Cruz
Nashville
Nassau - Suffolk (Long Island)
New Haven
New Orleans
New York
Norfolk
Oklahoma City
Omaha
Orlando
Philadelphia
Phoenix
Pittsburgh
Portland
Providence (Including New Bedford - Fall River)
Raleigh - Durham
Richmond
Riverside - San Bernardino
Rochester
Sacramento
St. Louis
Salt Lake City
San Antonio
San Diego (Including Tijuana)
San Francisco
San Jose
Sarasota - Bradenton
Seattle - Tacoma
Spokane
Springfield, MA
Stockton
Syracuse
Tampa - St. Petersburg
Toledo
Tucson
Tulsa
Washington
West Palm Beach
Wichita
Wilkes - Barre - Scranton
Wilmington
Youngstown

AKRON

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WQMX Ch. 49 tower, 2101 S. Cleveland-Massillon Rd. City of License: Medina, OH	L	94.9	B+	16.20	No	878	268	963	41 04 58	81 38 00
WKDD Bellaire Lane & Quick Rd., Cuyahoga Falls City of License: Akron, OH	L	96.5	B	50.00	No	441	134	499	41 12 05	81 31 25
WONE Ch. 23 tower, 1561 Driesbach Drive, Akron City of License: Akron, OH	L	97.5	B	12.00	No	890	271	959	41 03 51	81 34 59
WNIR N side of I-76, W of OH 43 City of License: Kent, OH	L	100.1	A	1.95	No	390	119	374	41 06 28	81 21 19

Market overview/update: Only four FMs are "home" to the Akron market: three Class B stations and a Class A. The three Bs are essentially at parity with one another, while the A, WNIR, has a signal good enough to generate a 7.5-share average showing over the four Arbitrons through Fall, 1995. Over half the market's listening goes to Cleveland signals (see that section). No new commercial FMs have gone on the air in this market since 1962.



ARBITRON METRO AREA

AKRON



WQMX 94.9 16.2/878



WKDD 96.5 50/441



WONE 97.5 12/890



WNIR 100.1 1.95/390

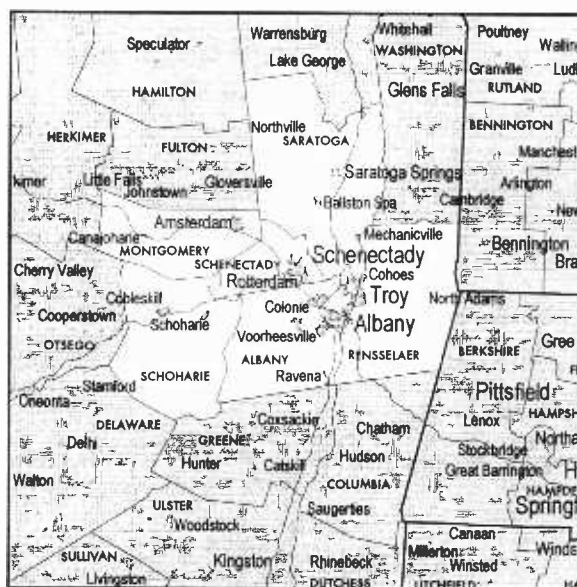
ALBANY-SCHENECTADY-TROY

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WFLY Helderberg Mtn., Pinnacle Rd. at Beaver Dam Rd. City of License: Troy, NY	L	92.3	B	17.00	No	850	259	122	42 38 16	73 59 55
WABY Ridge above Conrail yards, 2 mi. W of Mallary's Corners, 8 mi. SW of downtown Albany City of License: Ravena, NY	L	94.5	A	3.00	No	328	100	251	42 33 23	73 52 05
WYJB Helderberg Mtn., Beaver Dam Rd. City of License: Albany, NY	L	95.5	B	12.00	No	1023	312	245	42 38 11	74 00 00
WPTR Helderberg Mtn., Camp Pinnacle Rd., New Scotland City of License: Voorheesville, NY	L	96.3	A	0.50	No	1119	341	466	42 37 01	74 00 46
WXO 705 Waite Rd., Clifton Park, 4 mi. W of I-87 City of License: Clifton Park, NY	L	96.7	A	3.00	No	328	100	410	42 52 44	73 51 47
WYSR W of US 20, near Albany-Schenectady county line, SE of Duaneburg City of License: Rotterdam, NY	L	98.3	A	3.00	No	328	100	197	42 44 43	74 04 10
WYSR CP Same site as licensed operation City of License: Rotterdam, NY	C	98.3	A	6.00	No	328	100	197	42 44 43	74 04 10
WRVE Helderberg Mtn., adj. to Ch. 6 tower City of License: Schenectady, NY	L	99.5	B	14.50	No	927	282	200	42 38 13	73 59 45
WKLI Dennis Terrace at Kings Hwy., Colonie City of License: Albany, NY	L	100.9	A	6.00	No	300	91	347	42 43 54	73 52 56
WZRQ On tower with WWCP 96.7 City of License: Ballston Spa, NY	L	102.3	A	4.10	No	387	118	410	42 52 44	73 51 47
WEQX Summit of Mt. Equinox, on Skyline Dr., Manchester, VT City of License: Manchester, VT Note:	L	102.7	B	1.25	No	2490	759	180	43 09 58	73 06 59
WHRL Lape Rd., North Greenbush, Rensselaer County City of License: Albany, NY Note:	L	103.1	A	3.00	No	325	99	225	42 39 46	73 40 37
WQBJ Indian Rd., Palatine City of License: Cobleskill, NY Note: Simulcasts WQBK 103.9	L	103.5	B	50.00	No	492	150	413	42 58 21	74 29 30

ALBANY-SCHENECTADY-TROY

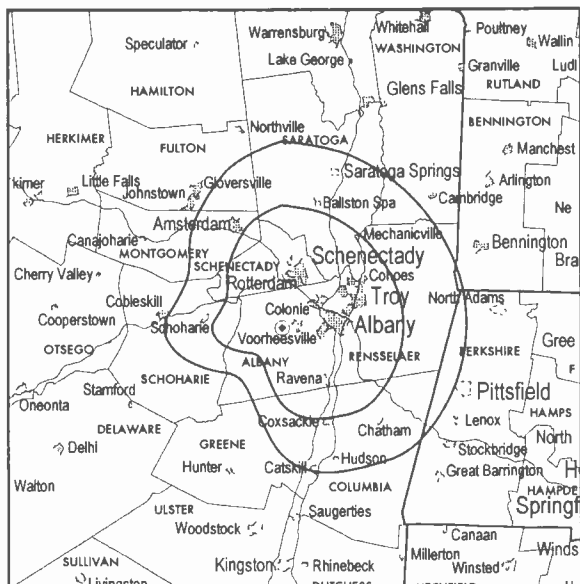
WQBK	L	103.9	A	6.00	No	300	91	418	42 35 06	73 46 29
Glenmont, W of NY 144										
City of License: Rensselaer, NY										
Note: Simulcast on WQBJ 103.5 Cobleskill										
WXLE	L	104.5	A	5.00	No	351	107	410	42 52 44	73 51 47
On tower with WWCP 96.7										
City of License: Mechanicsville, NY										
WPYX	L	106.5	B	15.50	No	902	275	150	42 38 09	74 00 05
Helderberg Mtn., Pinnacle Rd.										
City of License: Albany, NY										
WGNA	L	107.7	B	12.50	No	984	300	178	42 38 13	73 59 51
Helderberg Mtn., Pinnacle Rd.										
City of License: Albany, NY										

Market overview/update: One of the markets hardest-hit by the influx of drop-ins during the deregulatory era. Six new Class A stations have come on-line in the Albany market since the 1989 edition of this book: WABY-FM, WPTR-FM, WXXO, WYSR, WZRQ and WXLE. In aggregate, they accounted for 12.5 shares of listening (total, 12+) in the Fall 1995 Arbitron. Once a market with a "normal" complement of stations, Albany now has 15 FM's and one peripheral B which simulcasts an Albany A. Several of the new A's have slightly larger-than-average coverage for this class of station, but as the Capital District's population is spread over several somewhat-less-than-contiguous cities, the five full-power Class B's on Helderberg Mountain still enjoy a significant coverage advantage over most of the A's.



ARBITRON METRO AREA

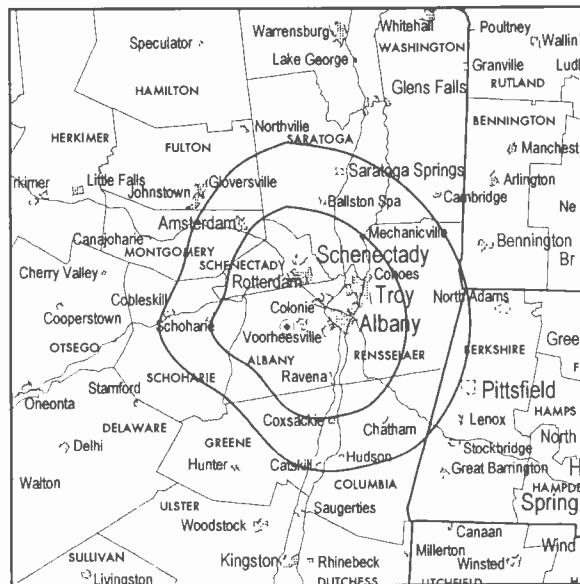
ALBANY-SCHENECTADY-TROY



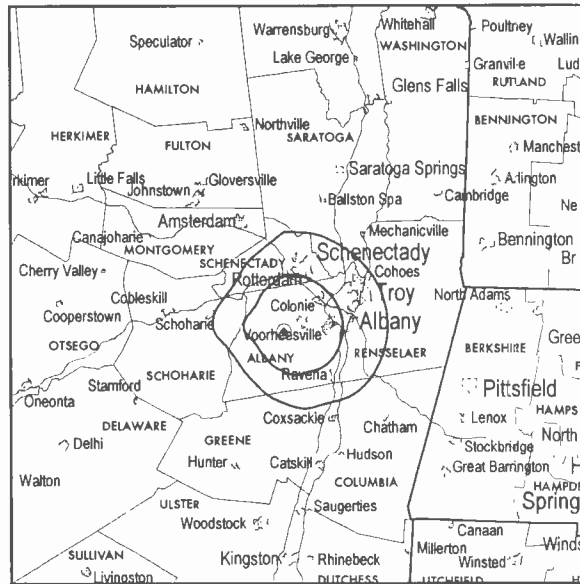
WFLY 92.3 17/850



WABY 94.5 3/328



WYJB 95.5 12/1023

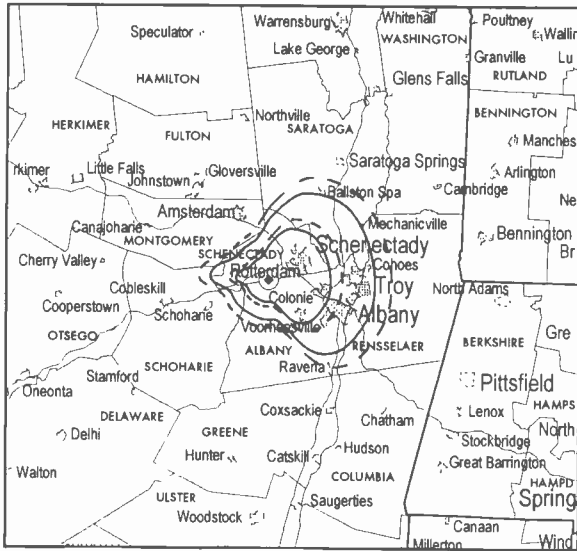


WPTR 96.3 500w/1119

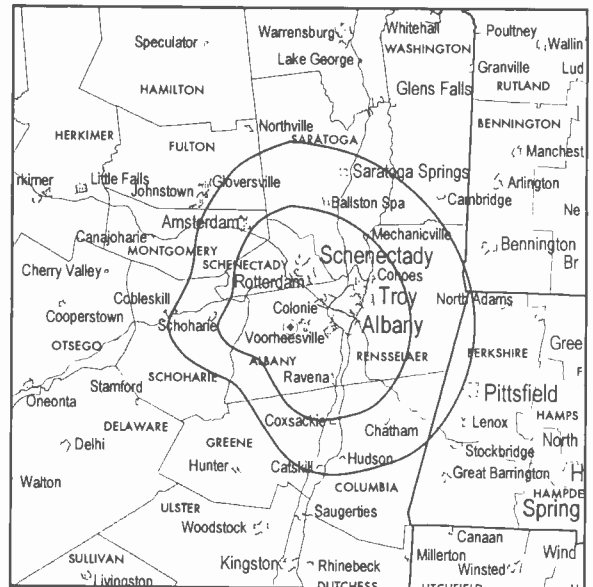


WXXO 96.7 3/328

ALBANY-SCHENECTADY-TROY



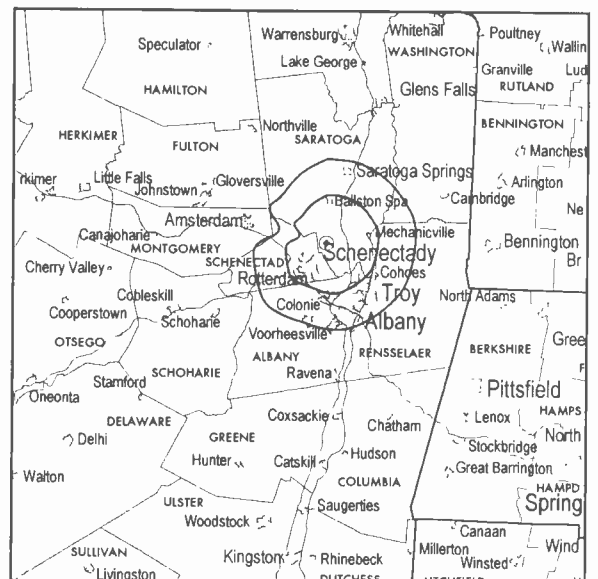
WYSR 98.3 3/328
 WYSR CP 98.3 6/328



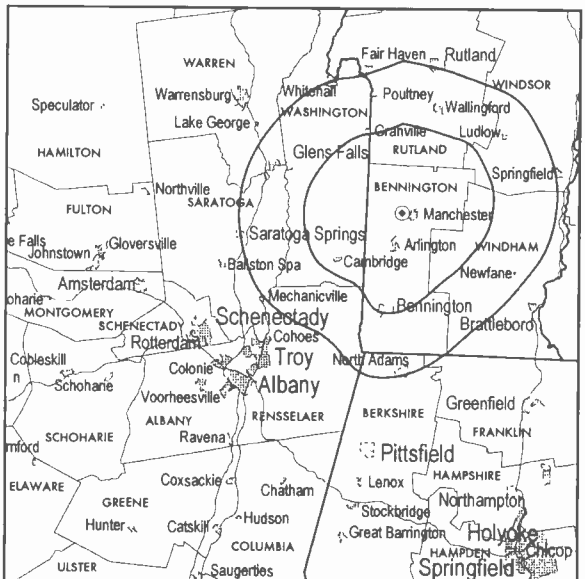
WRVE 99.5 14.5/927



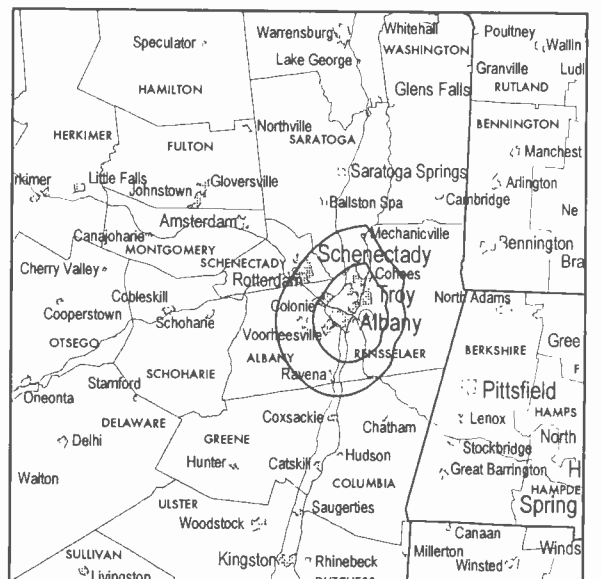
WKLI 100.9 6/300



WZRQ 102.3 4.1/387

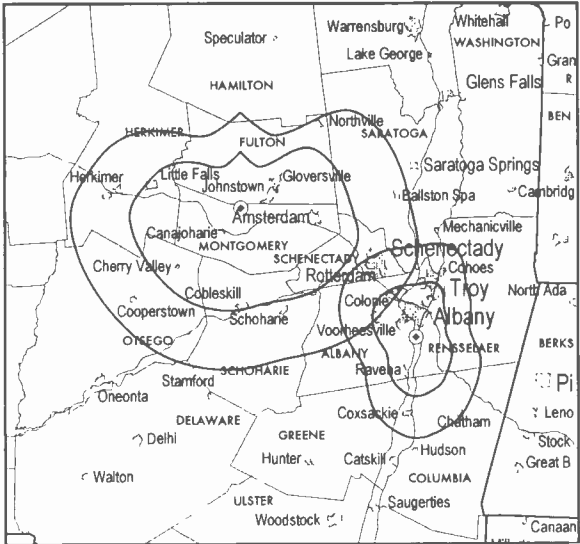


WEQX 102.7 1.25/2490

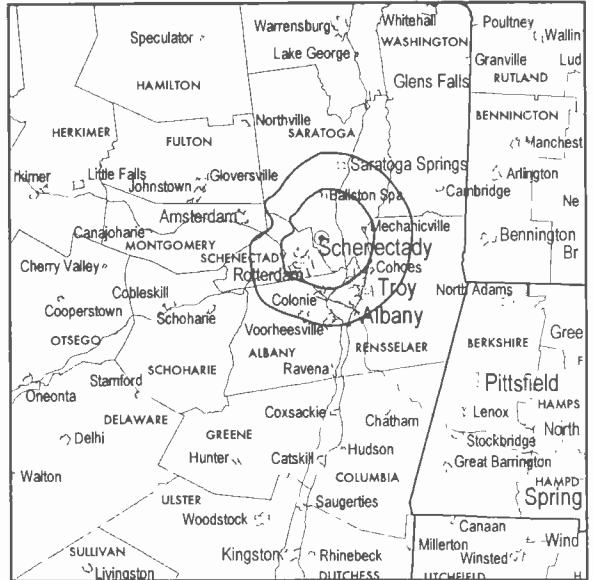


WHRL 103.1 3/325

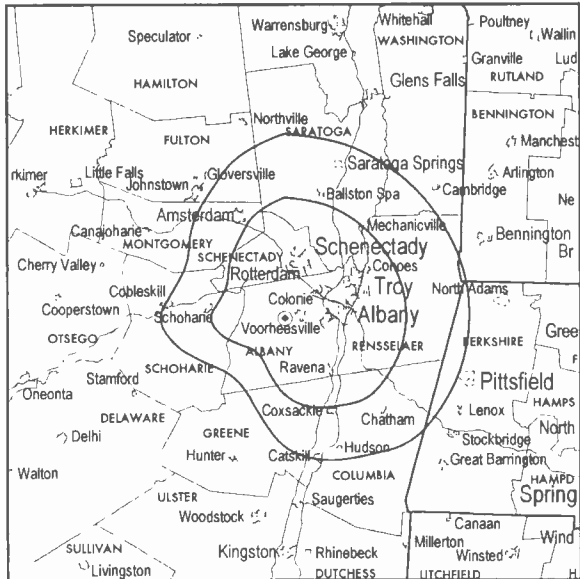
ALBANY-SCHENECTADY-TROY



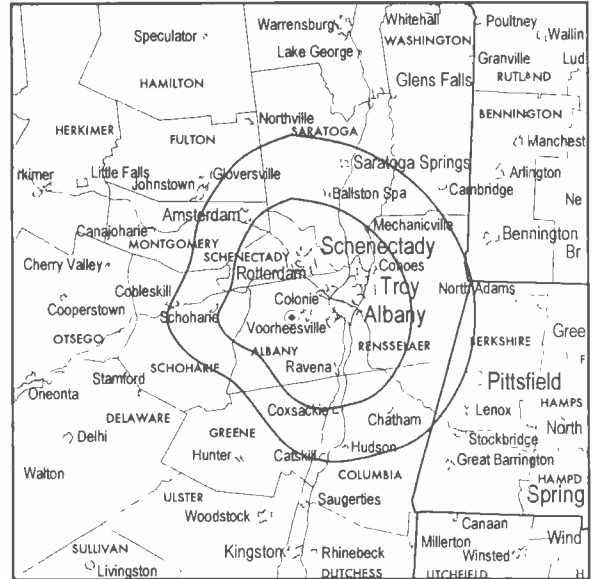
WQBJ 103.5 50/492
 WQBK 103.9 6/300



WXLE 104.5 5/351



WPYX 106.5 15.5/902



WGNA 107.7 12.5/984

ALBUQUERQUE

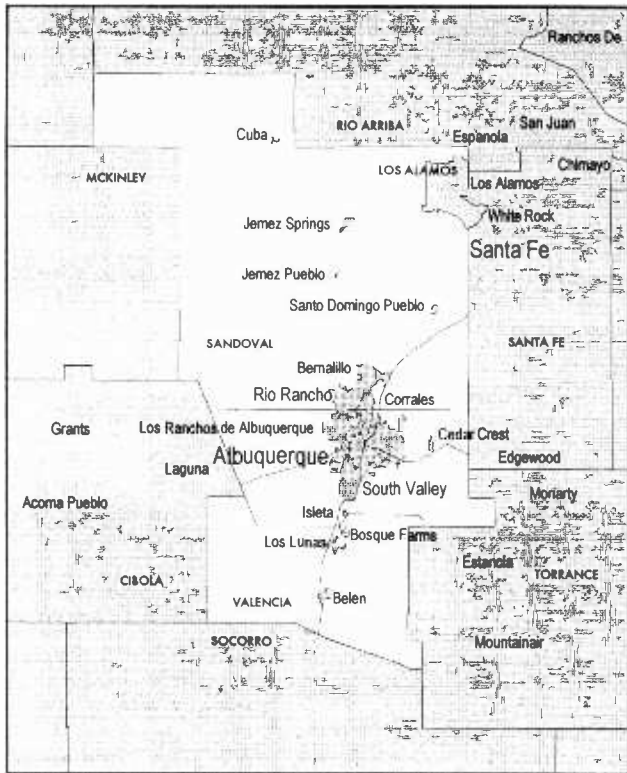
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KRST Sandia Crest antenna farm, N end of Sandia Range, NE of Albuquerque (El. 10,000') City of License: Albuquerque, NM	L	92.3	C	22.00	No	4160	1268	153	35 12 55	106 27 02
KKOB Sandia Crest City of License: Albuquerque, NM	L	93.3	C	21.50	No	4150	1265	100	35 12 42	106 26 59
KZRR Sandia Crest City of License: Albuquerque, NM	L	94.1	C	22.50	No	4130	1259	100	35 12 44	106 26 58
KSVA 12325 W. Central Ave. (US 66) at I-40 City of License: Corrales, NM Note: Non-commercial station on a commercial channel	L	95.1	C3	13.00	No	377	115	161	35 04 06	106 46 50
KNYN 29 mi. NW of Santa Fe, near Pajarito Mtn. City of License: Santa Fe, NM	L	95.5	C1	19.10	No	1851	564	303	35 53 08	106 23 14
KHFM Sandia Crest City of License: Albuquerque, NM	L	96.3	C	20.00	No	4133	1260	100	35 12 44	106 26 58
KKSS Peralta Ridge, Ch. 2 tower, 9 mi. E of Jemez Springs City of License: Santa Fe, NM	L	97.3	C	100.00	No	1875	572	299	35 46 50	106 31 35
KLVO Three-station tower, S of NM 6, W of Los Lunas, 1 mi. W of El Cerro de Los Lunas summit City of License: Belen, NM	L	97.7	C1	100.00	No	860	262	591	34 47 55	106 48 59
KTMN On tower with KNYN 95.5 City of License: Los Alamos, NM	L	98.5	C	100.00	No	1781	543	303	35 53 08	106 23 14
KMGA Sandia Crest City of License: Albuquerque, NM	L	99.5	C	22.50	No	4130	1259	100	35 12 44	106 26 58
KPEK Sandia Crest City of License: Albuquerque, NM	L	100.3	C	22.50	No	4107	1253	100	35 12 51	106 27 02
KRZN On tower with KSVA 95.1 City of License: Albuquerque, NM	L	101.3	A	6.00	No	328	100	161	35 04 06	106 46 50
KZKL Atop tram barn, base station of Sandia Crest Tramway City of License: Rio Rancho, NM	L	101.7	A	3.00	No	92	30	66	35 11 35	106 28 15

ALBUQUERQUE

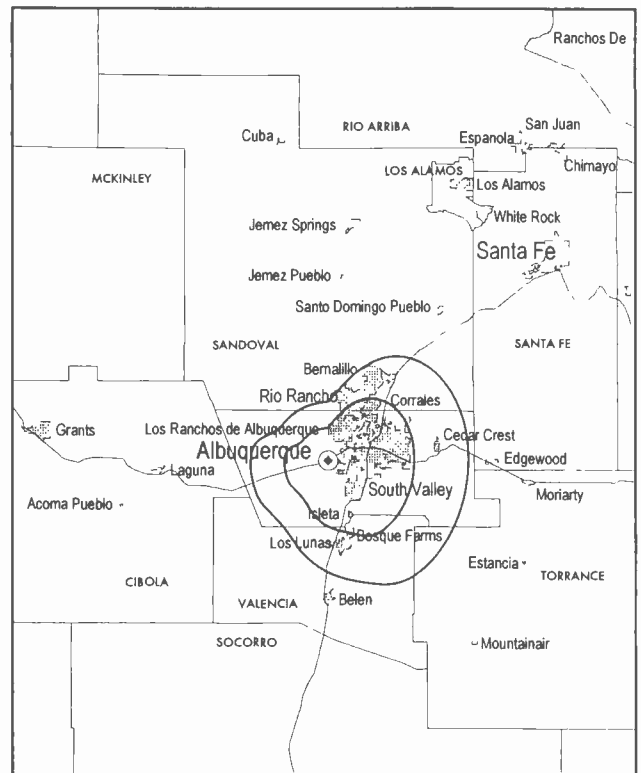
KIOT	L	102.5	C2	50.00	No	371	113	161	35 04 06	106 46 50
On tower with KSWA 95.1										
City of License: Los Lunas, NM										
Note: Has applied for Class C facilities on Sandia Crest										
KASY	L	103.3	C	20.50	No	4186	1276	190	35 12 50	106 27 00
Sandia Crest										
City of License: Albuquerque, NM										
KLSK	L	104.1	C	100.00	No	1875	572	299	35 46 50	106 31 35
Peralta Ridge, on Ch. 2 tower with KKSS 97.3										
City of License: Santa Fe, NM										
KEXT	L	104.7	C1	100.00	No	860	262	591	34 47 55	106 48 59
Three-station tower with KLVO 97.7 and KNDR 106.3; diplexed with KLVO										
City of License: Bosque Farms, NM										
KZRQ	L	105.1	C	100.00	No	1936	590	296	35 46 49	106 31 35
Peralta Ridge, Ch. 11 tower, 9 mi. E of Jemez Springs										
City of License: Santa Fe, NM										
KRZY	L	105.9	C	100.00	No	1936	590	296	35 46 49	106 31 35
Peralta Ridge, on Ch. 11 tower with KZRQ 105.1										
City of License: Santa Fe, NM:										
KDNR	L	106.3	C1	100.00	No	860	262	591	34 47 55	106 48 59
On tower with KLVO 97.7 and KEXT 104.7										
City of License: Los Lunas, NM										
KNKT	L	107.1	C2	24.50	No	705	215	403	35 03 15	106 51 31
0.5 mi. N of I-40, 12 mi. WSW of downtown Albuquerque										
City of License: Armijo, NM										
KTEG	L	107.9	C	22.50	No	4131	1259	100	35 12 43	106 26 57
Sandia Crest										
City of License: Albuquerque, NM										

Market overview/update: Some 22 FM stations now throw city-grade signals over all (or most) of this market, including KSWA, a non-commercial station operating in the commercial band. Albuquerque, already crowded in 1989, has absorbed five new commercial FM's since then. Three of the new entrants are Class C1 stations operating with identical ERP's and effective antenna heights from a new tower just west of Los Lunas, south of Albuquerque: KLVO, KEXT and KNDR. Each theoretically city-grades as much, or more, of Albuquerque than the Peralta Ridge move-ins of the mid-1980's (KKSS, KLSK, KZRQ and KOLT). Stations located in Albuquerque's Sandia Crest antenna farm continue to enjoy a significant coverage advantage over any other possible transmitter location. Sandia, at an elevation of over 10,000 feet (more than a mile higher than the city itself) is the nation's highest antenna farm site. It is easily accesable by road or tram. Note: KHFM and KASY plot with very slightly less coverage than other Sandia stations, and are shown on different maps. "Real world" contours should differ little, if at all.

ALBUQUERQUE



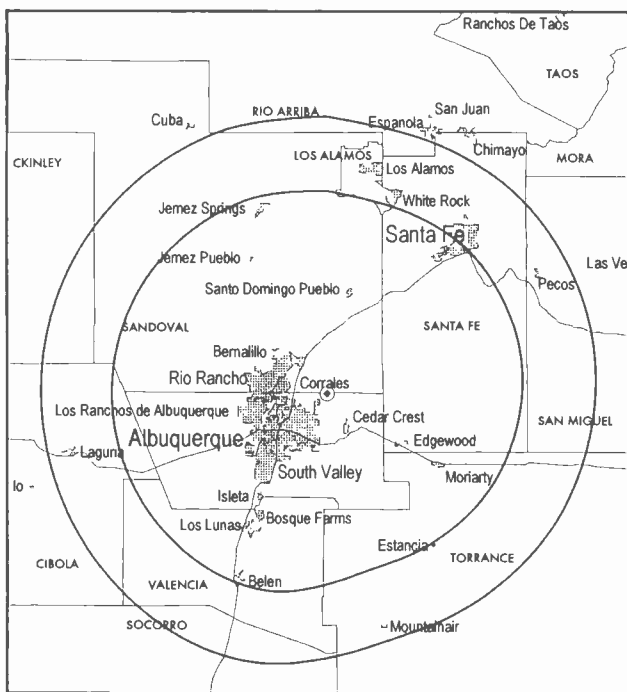
ARBITRON METRO AREA



KSAV

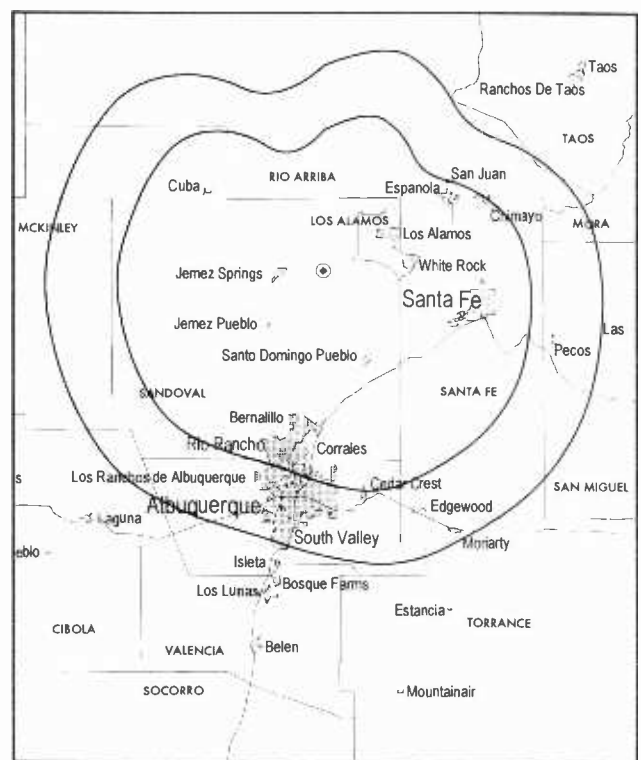
95.1

13/377



SANDIA CREST (MAX. C)

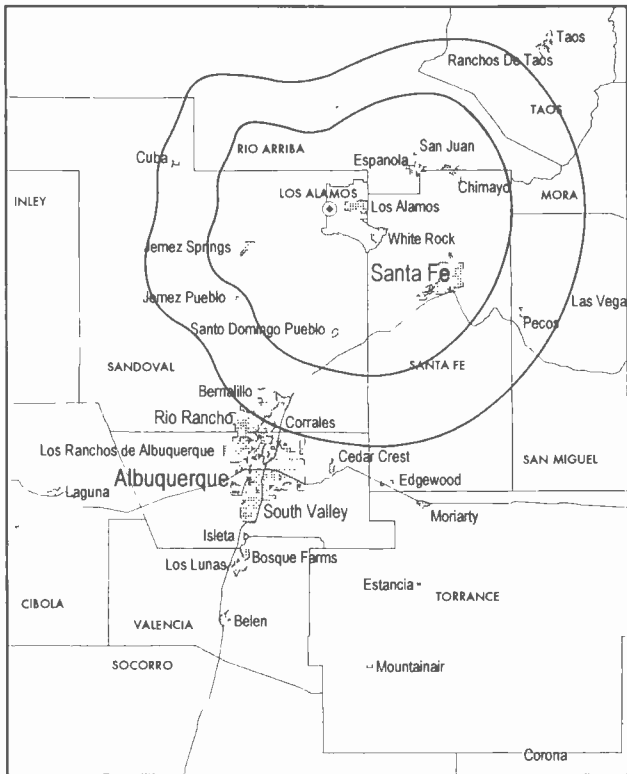
KRST	92.3	22/4160
KKOB	93.3	21.5/4150
KZRR	94.1	22.5/4130
KMGA	99.5	22.5/4130
KHTZ	100.3	22.5/4107
KTEG	107.9	22.5/4131



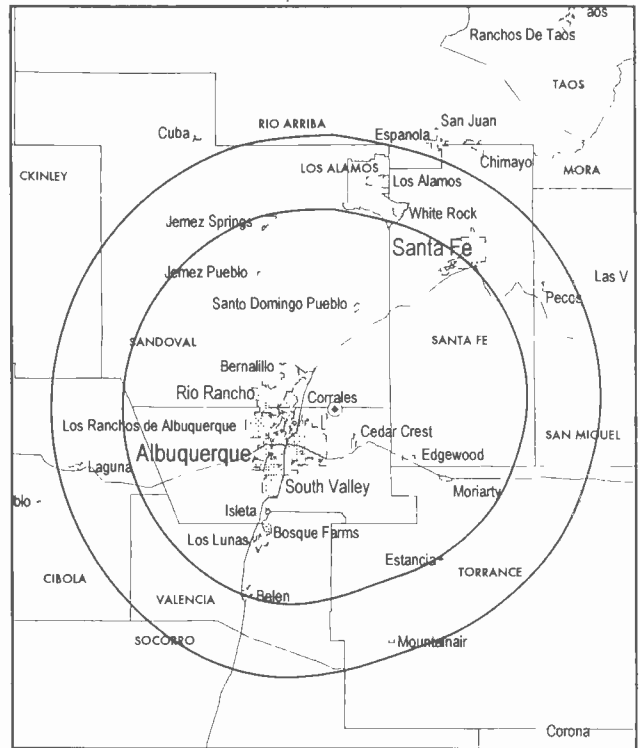
PERALTA RIDGE STATIONS

KKSS	97.3	100/1875
KLSK	104.1	100/1875
KZRQ	105.1	100/1936
KRZY	105.9	100/1936

ALBUQUERQUE

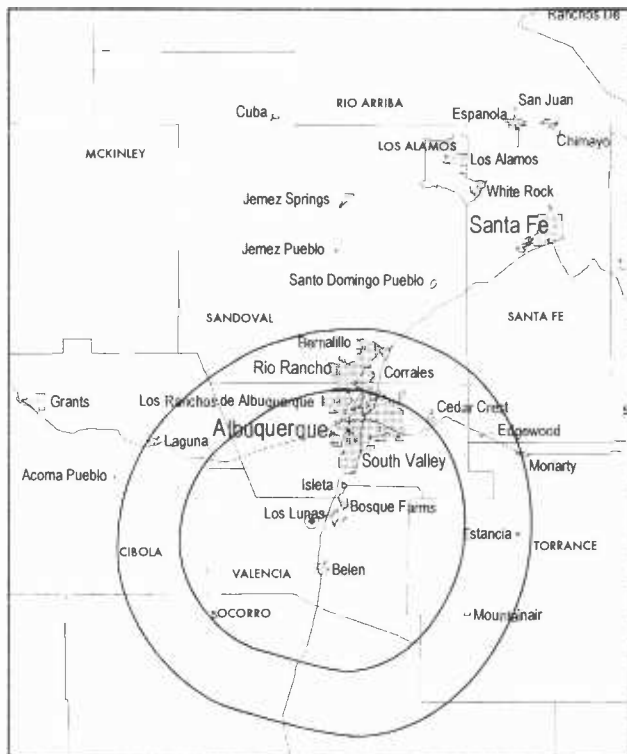


KNYN 95.5 19.1/1851

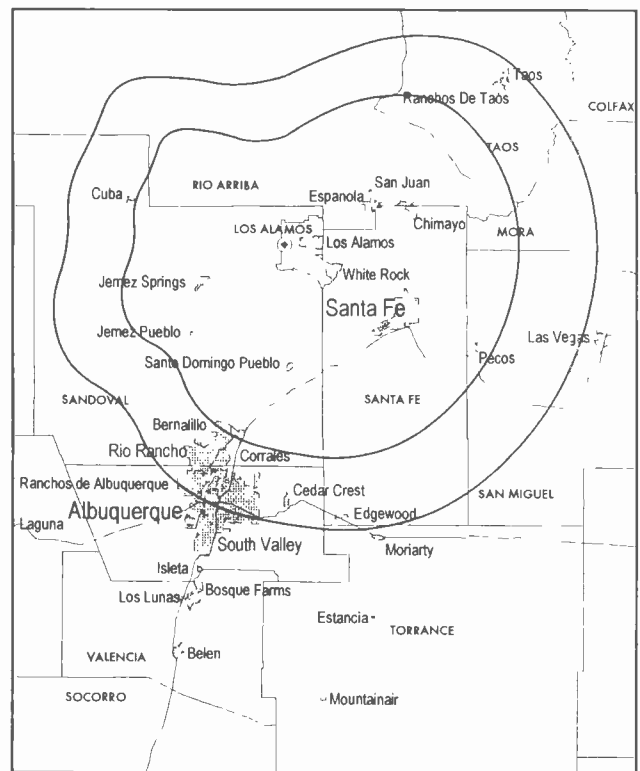


SANDIA CREST (STANDARD C)

KHFM 96.3 20/4133
KASY 103.3 20.5/4186

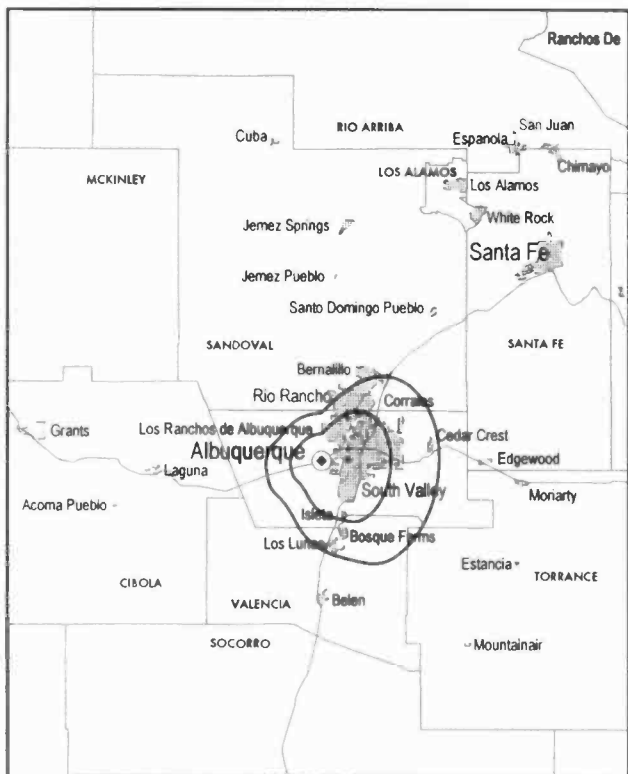


KLVO 97.7 100/860
KEXT 104.7 100/860
KDNR 106.3 100/860

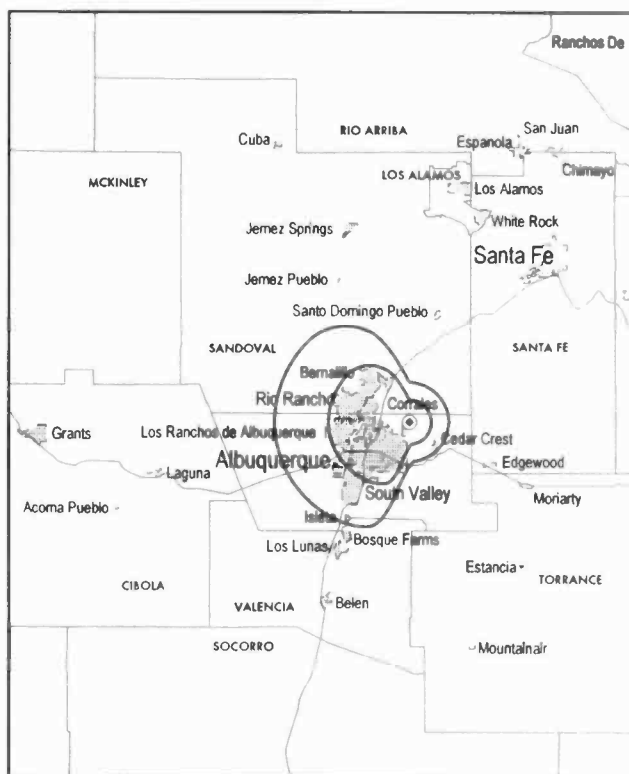


KTMN 98.5 100/1781

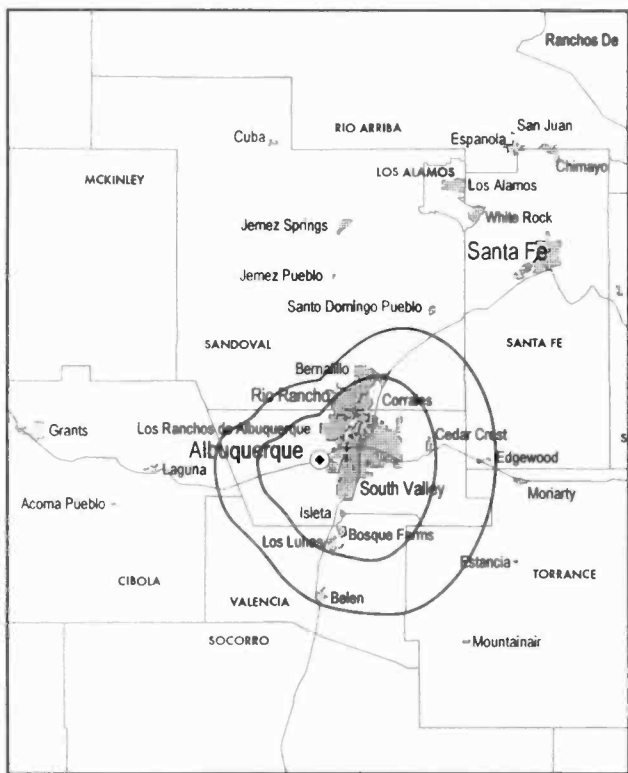
ALBUQUERQUE



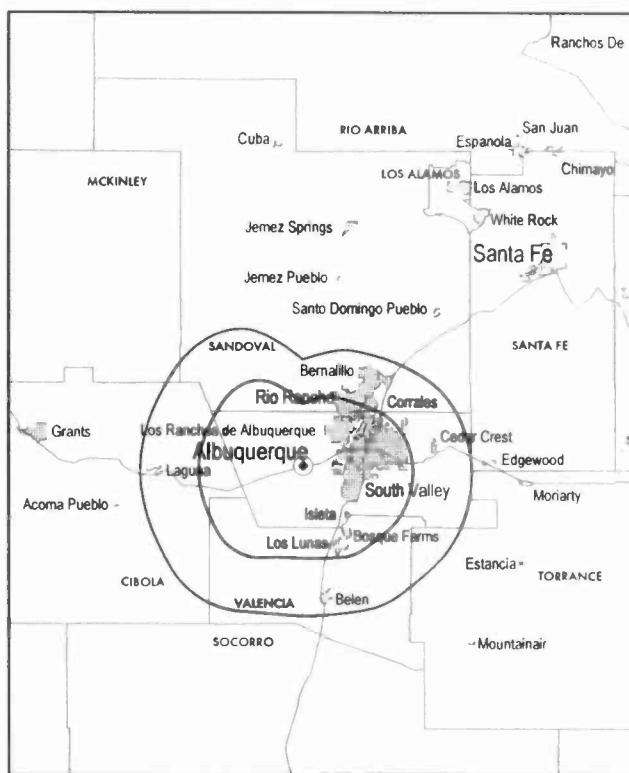
KRZN 101.3 6/328



KZKL 101.7 3/92



KIOT 102.5 50/371



KNKT 107.1 24.5/705

ALLENTOWN-BETHEHEM

Call	Lic/CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WZZO Applebutter Rd., 4 mi. E of Bethlehem City of License: Bethlehem, PA	L	95.1	B	30.00	Yes	630	192	253	40 37 13	75 17 37
WLEV Fountain Hill, 2.5 mi. SW of Bethlehem City of License: Easton, PA	L	96.1	B	50.00	No	500	152	140	40 35 55	75 25 12
WODE WIPI-AM tower, NW of downtown Easton on PA 115 City of License: Easton, PA	L	99.9	B	50.00	No	449	137	428	40 42 30	75 13 00
WFMZ Ch. 69 tower, 300 East Rock Rd., SW of Allentown City of License: Allentown, PA	L	100.7	B	11.00	No	1073	327	669	40 33 54	75 26 26
WAEB 1.65 mi. S of Statington, PA, NW of Allentown City of License: Allentown, PA	L	104.1	B	50.00	No	500	152	183	40 43 13	75 35 44
WRNJ Totts Gap, Kittatinny Mtn., 3 mi. SSE of Stroudsburg, PA City of License: Belvidere, NJ	L	107.1	A	1.20	No	719	219	269	40 56 53	75 09 38

Market overview/update: This market enjoys one of America's most favorable signals-to-population ratios. There are five Class B FMs, all of which enjoy essentially 100% market coverage. WRNJ-FM, an A licensed to Belvidere, NJ, is the Allentown market's only new entrant during the deregulatory period.



ARBITRON METRO AREA

ALLENTOWN-BETHLEHEM



WZZO 95.1 30/630



WLEV 96.1 50/500



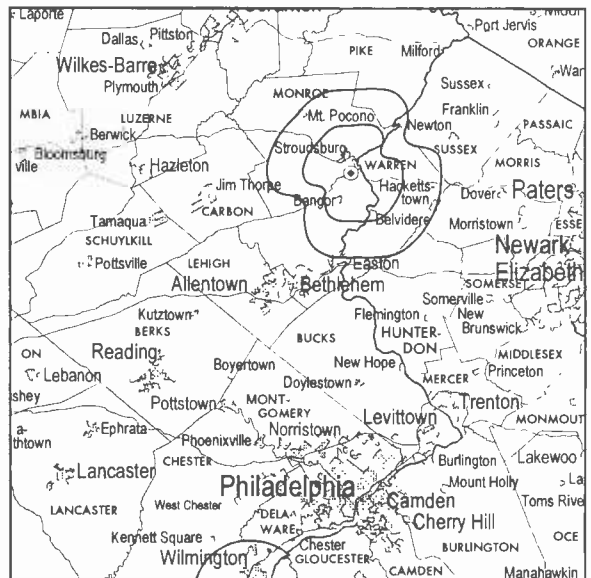
WODE 99.9 50/449



WFMZ 100.7 11/1073



WAEB 104.1 50/500



WRNJ 107.1 1.2/719

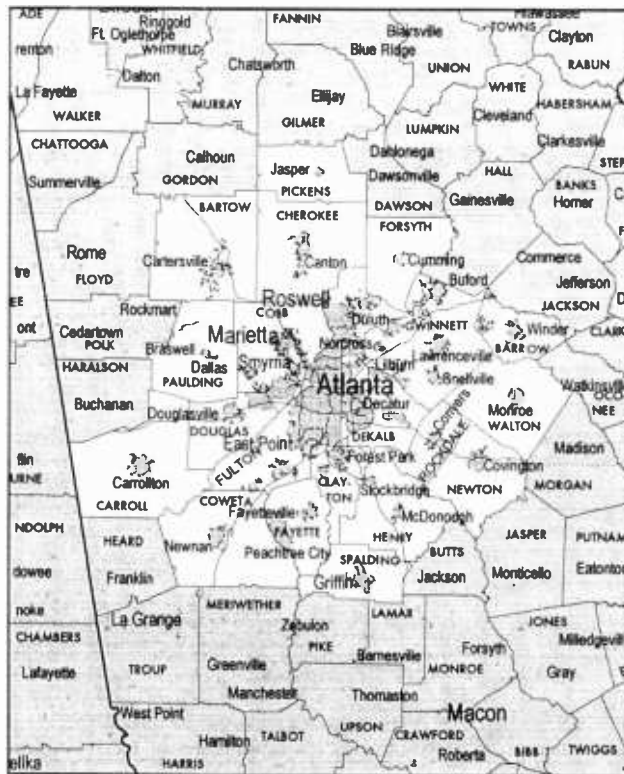
ATLANTA

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WZGC Atop Peachtree Plaza Hotel, downtown Atlanta City of License: Atlanta, GA	L	92.9	C1	100.00	No	914	277	776	33 45 34	84 23 19
WSTR Three-station FM tower, LaFrance St. at Wesley Ave. City of License: Smyrna, GA	L	94.1	C	100.00	No	1022	311	1065	33 45 35	84 20 07
WPCH UHF candelabra tower, Briarcliff Rd. at Shepard Ln. NE City of License: Atlanta, GA	L	94.9	C	100.00	No	984	300	1174	33 48 27	84 20 26
WKLS On tower with WPCH 94.9 City of License: Atlanta, GA	L	96.1	C	100.00	No	984	300	1174	33 48 27	84 20 26
WFOX Off Union Church Rd., SW of Chestnut Mtn., GA City of License: Gainesville, GA	L	97.1	C	100.00	No	1570	479	1761	34 07 32	83 51 31
WHTA Swanson Rd., 2 mi. NE of Tyrone, Fayette County, GA City of License: Fayetteville, GA	L	97.5	C3	6.60	No	636	194	591	33 29 22	84 34 07
WSB On tower with WSTR 94.1 City of License: Atlanta, GA	L	98.5	C	100.00	No	1022	311	1065	33 45 35	84 20 07
WNNX Ch. 17 tower, 1018 W. Peachtree St. City of License: Atlanta, GA	L	99.7	C	100.00	No	1032	315	1038	33 46 57	84 23 20
WKHX On tower with WPCH 94.9 City of License: Atlanta, GA	L	101.5	C	100.00	No	984	300	1174	33 48 27	84 20 26
WVEE On tower with WSTR 94.1 City of License: Atlanta, GA	L	103.3	C	100.00	No	1022	311	1065	33 45 35	84 20 07
WJZF 309 Witcher Rd., Newnan, GA City of License: LaGrange, GA	L	104.1	C1	60.00	No	1218	371	1158	33 24 43	84 50 03
WJZF CP Holds CP to change to DA at licensed site, same ERP and HAAT City of License: LaGrange, GA:	C	104.1	C1	60.00	Yes	1218	371	1158	33 24 43	84 50 03
WALR Piney Grove Rd. at Bullock Rd., Walton County, GA City of License: Athens, GA	L	104.7	C1	100.00	No	983	299	1079	33 51 56	83 49 34

ATLANTA

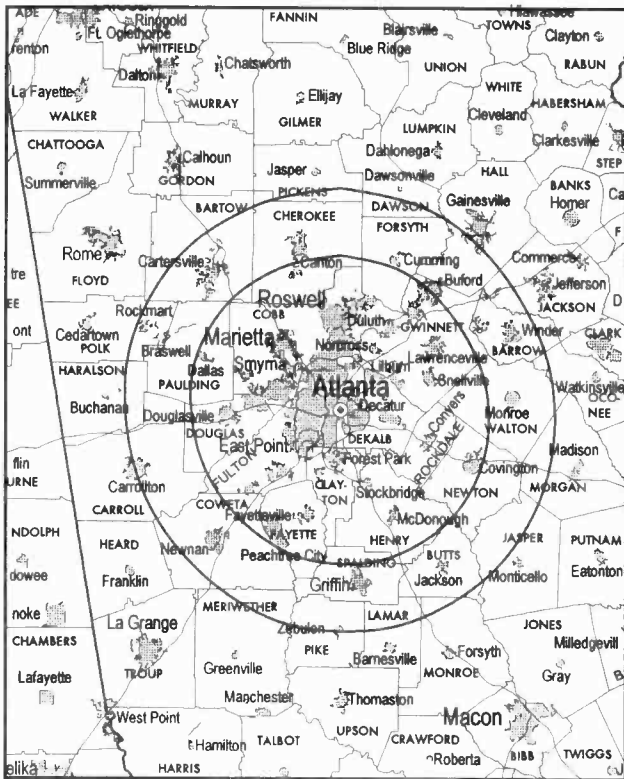
WGST	L	105.7	C2	50.00	No	492	150	499	34 09 14	84 30 44
Rabbit Hill Rd., Holly Springs, Cherokee County, GA										
City of License: Canton, GA										
WYAY	L	106.7	C	100.00	No	1400	427	1761	34 07 32	83 51 31
On tower with WFOX 97.1										
City of License: Atlanta, Ga										

Market overview/update: Atlanta operators continue to enjoy the most favorable ratio of full-coverage-signals-to-population of any of the nation's major markets. There are eight full-power C Class FM's located on towers in the heart of this sprawling metro, and six significant move-ins. In addition, truly pathetic ground conductivity limits the coverage of all but the most-powerful AM stations in this market. The market would have received a ninth full-coverage FM had Tom Gammon's bold 100-kw drop-in attempt succeeded. The only new signals in recent years have been WGST-FM, a C2 in the North suburbs (which simulcasts WGST-AM), and WHTA in Fayetteville, south of Atlanta, which recently upgraded to Class C3 (25-kw equivalent power) status.

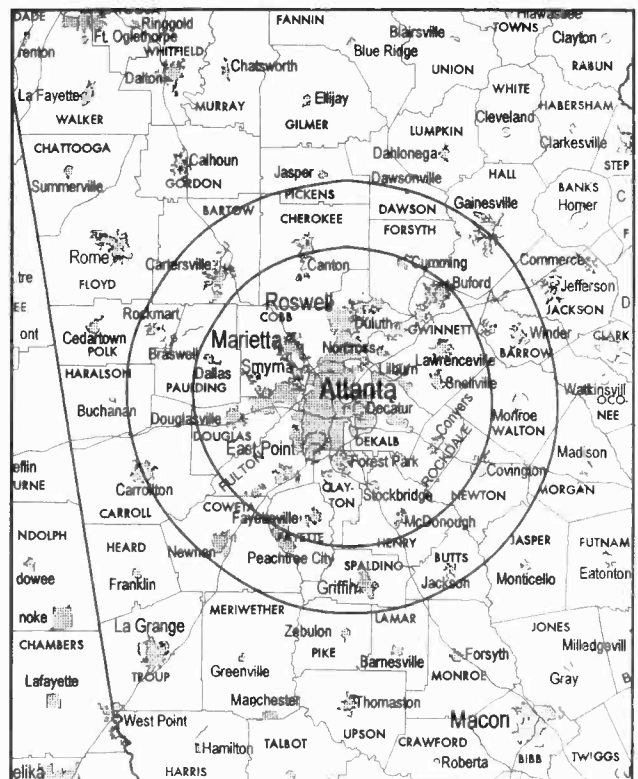


ARBITRON METRO AREA

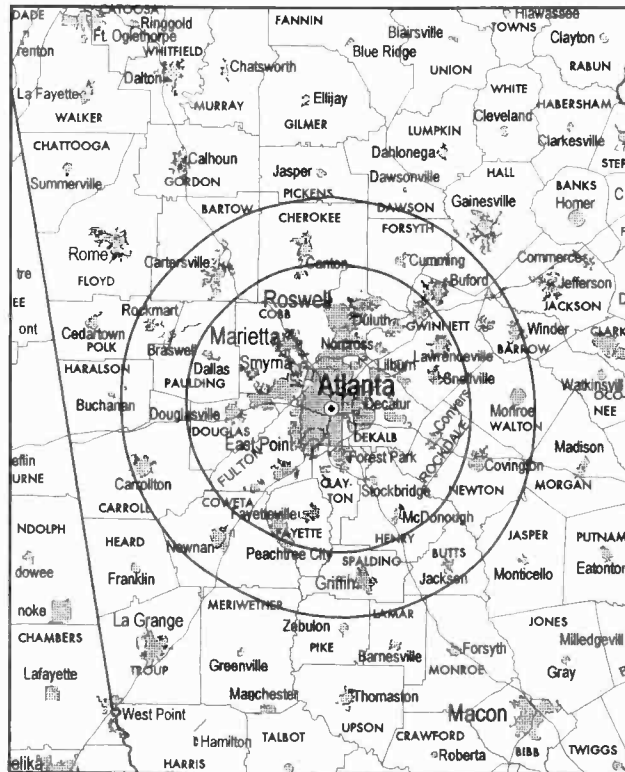
ATLANTA



WSTR	94.1	100/1022
WSB	98.5	100/1022
WVEE	103.3	100/1022

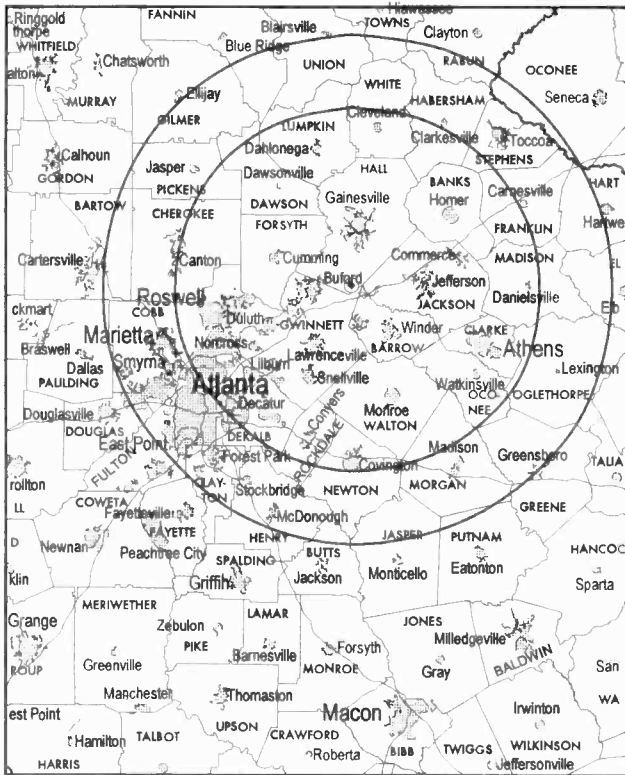


WPCH	94.9	100/984
WKLS	96.1	100/984
WKHX	101.5	100/984

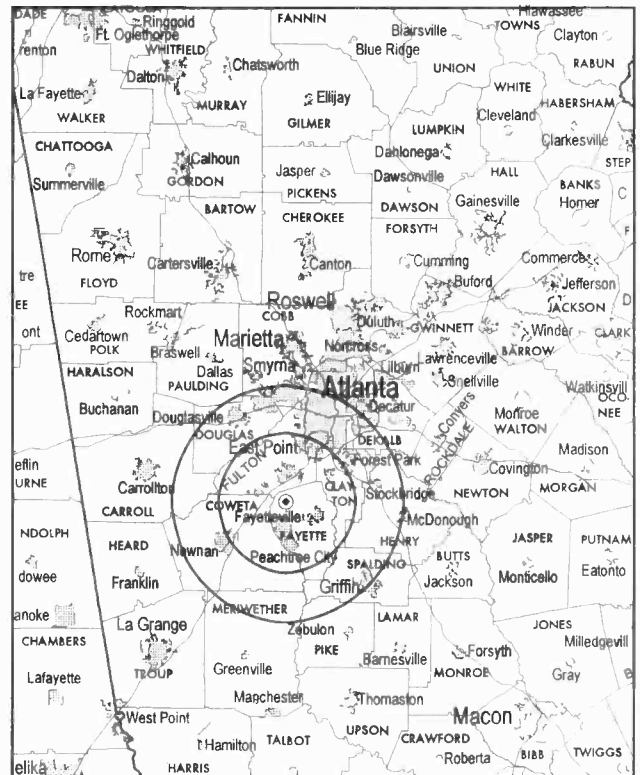


WZGC	92.9	100/914
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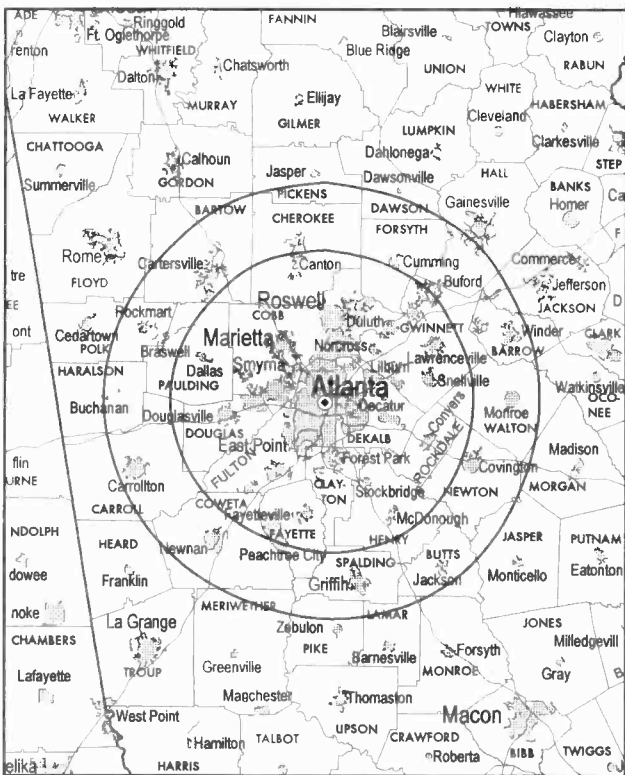
ATLANTA



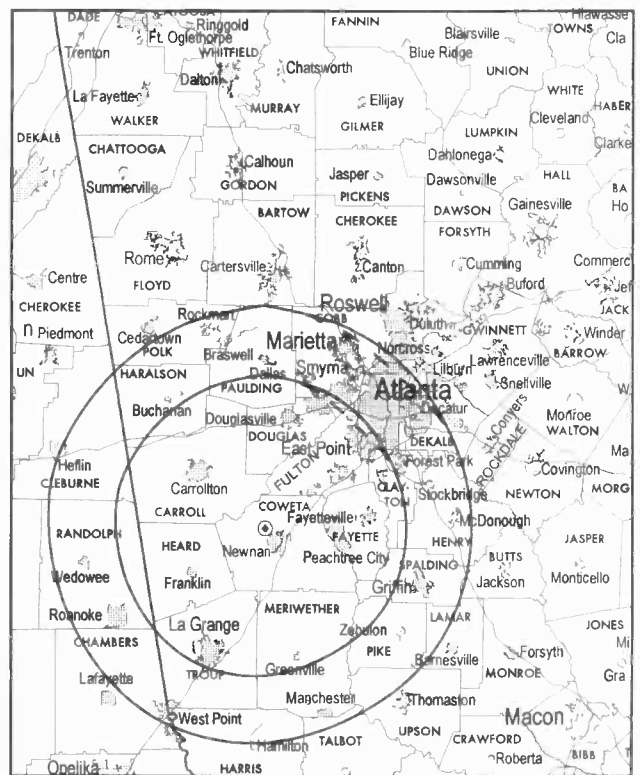
WFOX 97.1 100/1570



WHTA 97.5 6.6/636

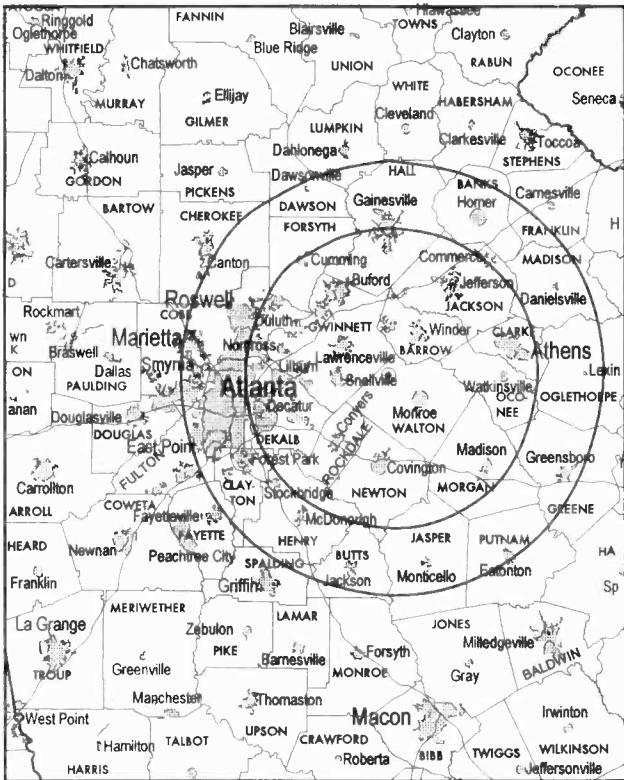


WNNX 99.7 100/1032



WJZF 104.1 60/1218
WJZF CP 104.1 60 DA/1218

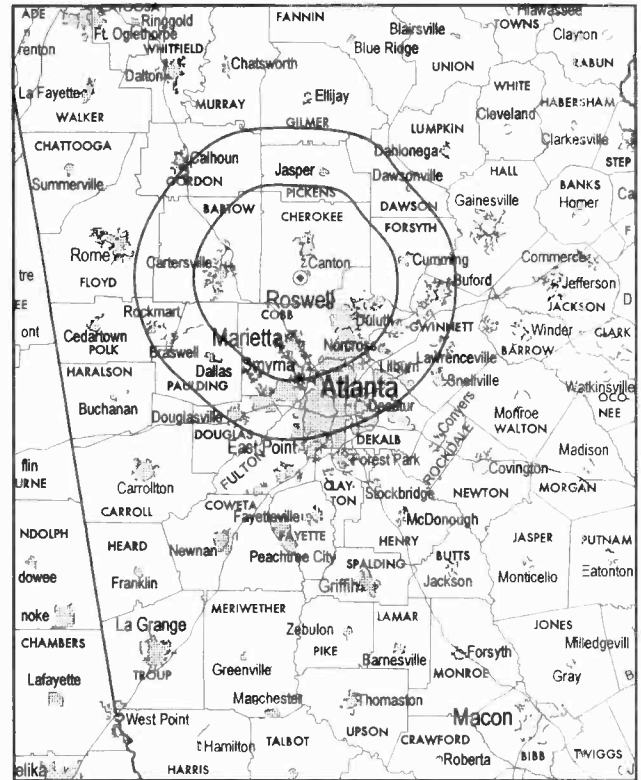
ATLANTA



WALR

104.7

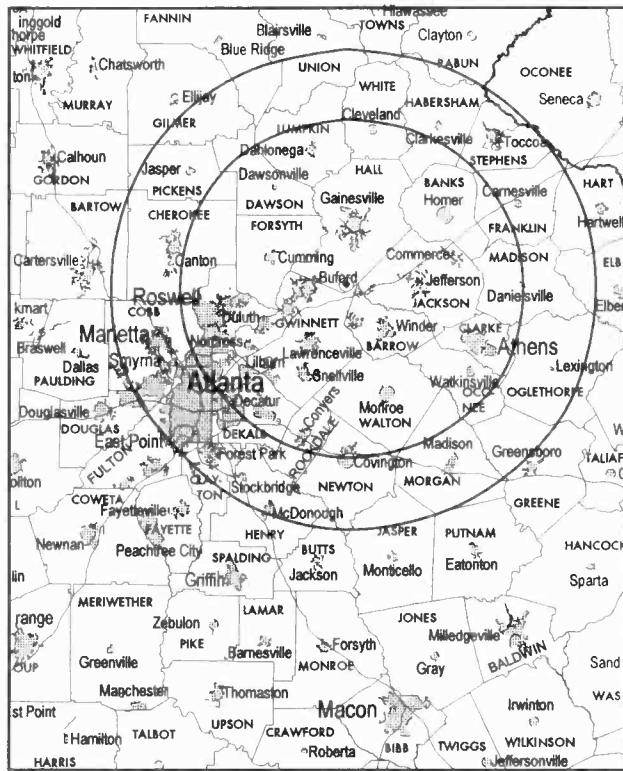
100/983



WGST

105.7

50/492



WYAY

106.7

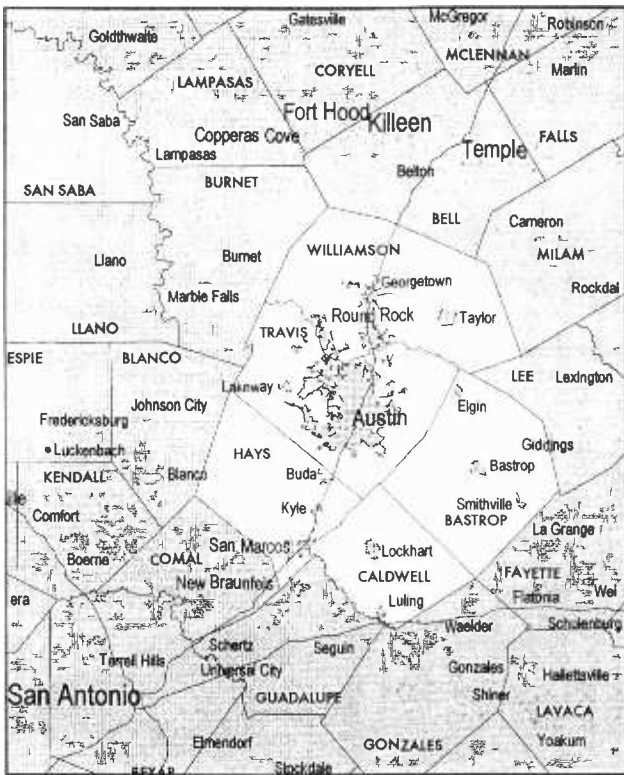
100/1400

AUSTIN

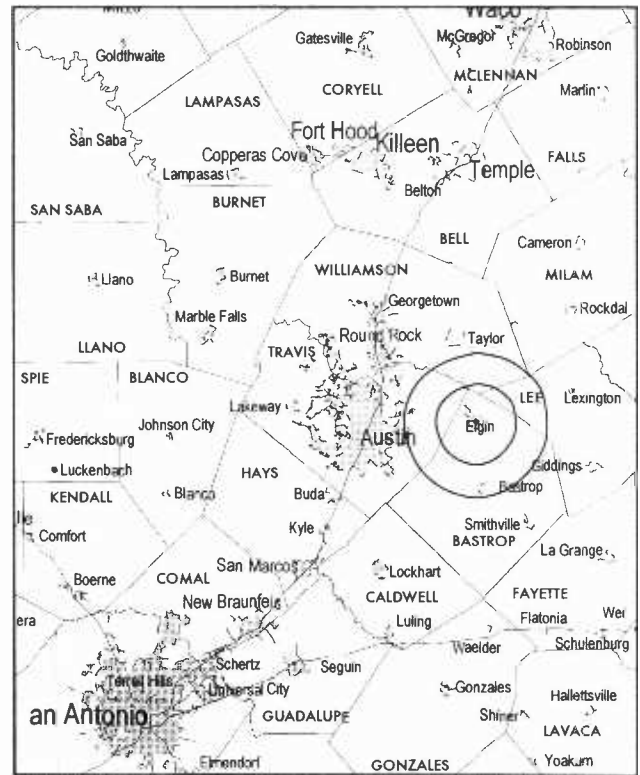
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KKLB 0.5 mi. SE of junction of US 290 and TX 95, Elgin City of License: Elgin, TX	L	92.5	A	1.60	No	449	137	328	30 19 00	97 20 22
KHHT Burnet-Williamson county line, N of TX 29 City of License: Killeen, TX	L	93.3	C	100.00	No	1949	594	1991	30 43 34	97 59 23
KLBJ Ch. 7 tower, on Mt. Larson, Austin antenna farm, West Lake Hills City of License: Austin, TX	L	93.7	C	97.00	No	1050	320	1140	30 18 36	97 47 33
KAMX FM Rd 2270, 3 mi. S of Buda, TX City of License: Luling, TX	L	94.7	C	100.00	No	1257	383	1229	30 02 42	97 52 50
KKMJ Austin antenna farm, N of Mt. Larson, West Lake Hills City of License: Austin, TX	L	95.5	C	100.00	Yes	1001	305	928	30 19 23	97 47 58
KHFI Austin antenna farm, N of Mt. Larson, West Lake Hills City of License: Georgetown, TX	L	96.7	C1	100.00	No	951	290	932	30 19 20	97 48 03
KVET Bridge Lane, S of US 290, Sunset Valley, SW section of Austin City of License: Austin, TX	L	98.1	C1	100.00	No	686	209	735	30 13 24	97 49 39
KUTZ On tower with KHHT 93.3 City of License: Lampasas, TX	L	98.9	C1	18.50	No	1814	553	1991	30 43 34	97 59 23
KASE Ch. 42 tower, Austin antenna farm, N of Mt. Larson, West Lake Hills City of License: Austin, TX	L	100.7	C	100.00	No	1190	363	1311	30 19 10	97 48 06
KROX 4 mi. W of Rosansky, on County Rd. 238, S of TX 535, in Bastrop County City of License: Giddings, TX	L	101.5	C1	100.00	No	981	299	1020	29 57 00	97 22 13
KPEZ Diplexed with KVET 98.1 City of License: Austin, TX	L	102.3	C2	20.00	No	686	209	735	30 13 24	97 49 39
KEYI On tower with KAMX 94.7 City of License: San Marcos, TX	L	103.5	C	100.00	No	1257	383	1229	30 02 42	97 52 50
KGSR On TX 812, 5 mi. NW of Red Rock, 19 mi. SE of downtown Austin City of License: Bastrop, TX	L	107.1	C2	46.00	No	518	158	489	30 02 30	97 32 12
KNNC FM Rd. 326, 3.7 mi. W of Granger, TX City of License: Georgetown, TX	L	107.7	C3	9.10	No	538	164	500	30 43 10	97 30 25

AUSTIN

Market overview/update: Austin has been one of the most active move-in/upgrade markets over the past ten years. When we published the first edition of this book in 1989, Austin already had absorbed five move-in signals for a total of ten viable stations. Since then, several of those players have upgraded, and four additional signals have entered the market. KHFI, a Class A on 98.3 in 1989, is now KVET-FM, a full-coverage, 100-kw C1 on 98.1. The KHFI calls are now with a 100-kw C1 operation on 96.7 transmitting from the Mt. Larson antenna farm. This is the second move-in facility for this Georgetown-licensed channel; it previously was a 28.5-kw C2 with its transmitter well west of Austin on a ridge above Lake Travis. Late in 1989, KUTZ shifted from 99.1 to 98.9 to avoid "ducting" interference from KODA in Houston. KPEZ, an A in '89, upgraded to Class C2, diplexed into an antenna shared with KVET. KGSR Bastrop upgraded to Austin coverage in 1989 with a 489' tower near Red Rock. KNNC-FM in Georgetown, a C3, has upgraded from 7.6-kw to 9.1-kw. KKLB, a Class A located in Elgin, has entered the Austin market as a Spanish-language operation. The most-recent entrant is KROX-FM Giddings, which now reaches the Austin area from a new 1000' tower well to the east of the city.

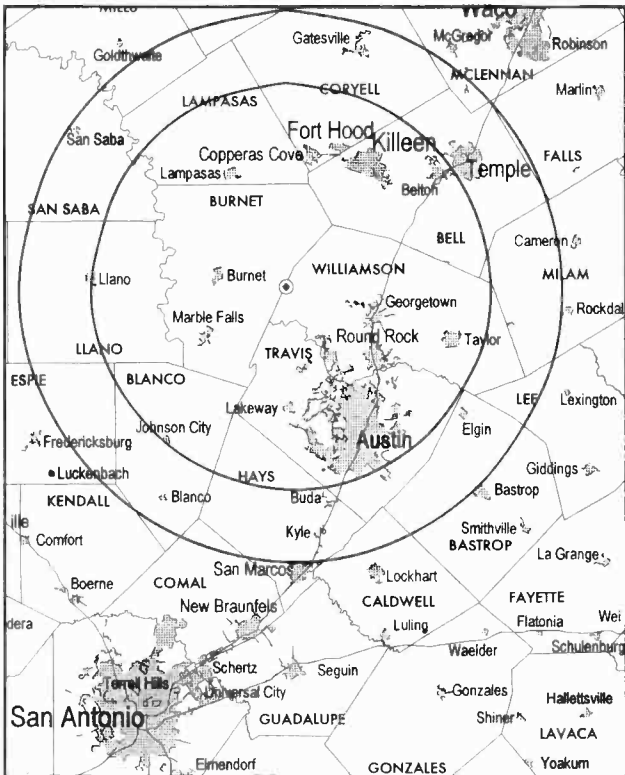


ARBITRON METRO AREA

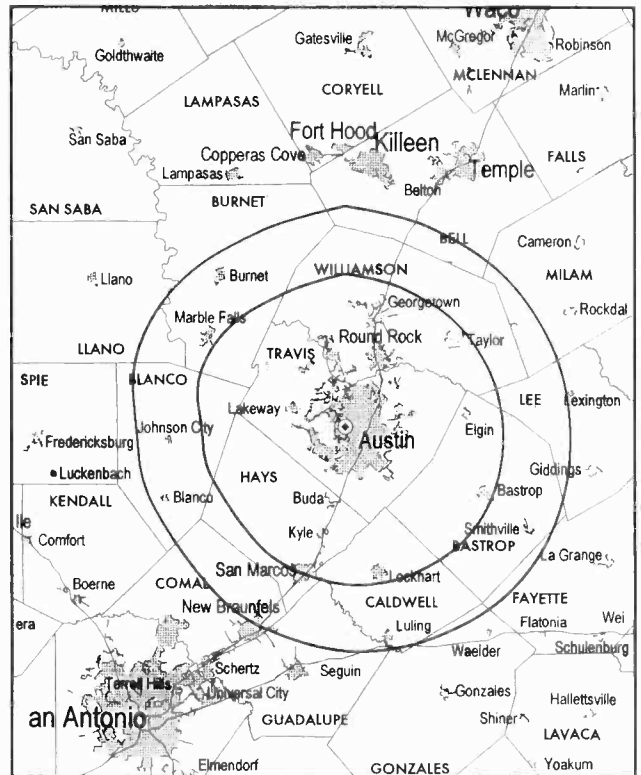


KKLB 92.5 1.6/449

AUSTIN



KHHT 93.3 100/1949



KLBJ 93.7 97/1050



KAMX 94.7 100/1257
KEYI 103.5 100/1257

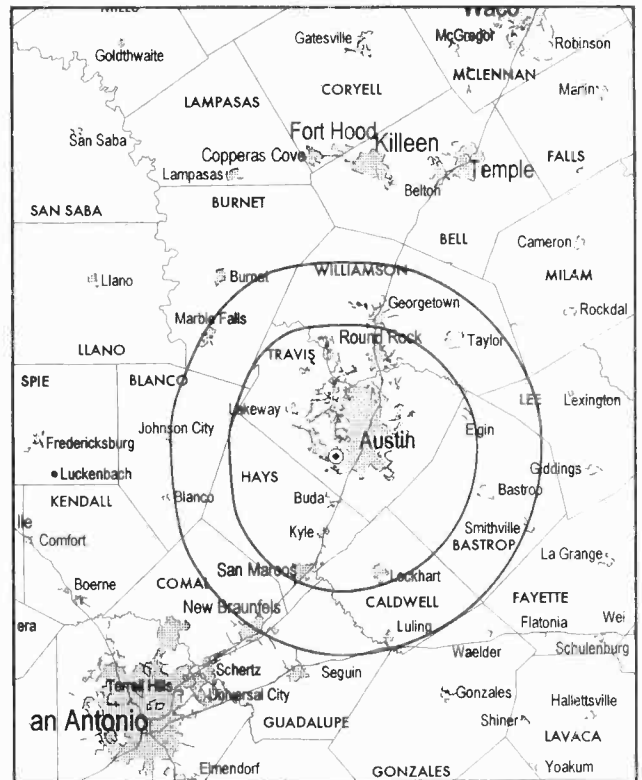


KKMJ 95.5 100/1001

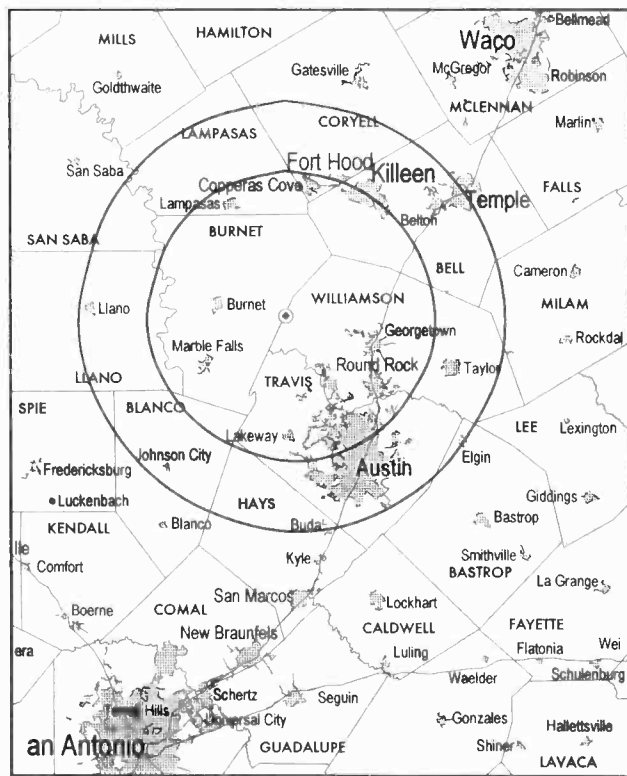
AUSTIN



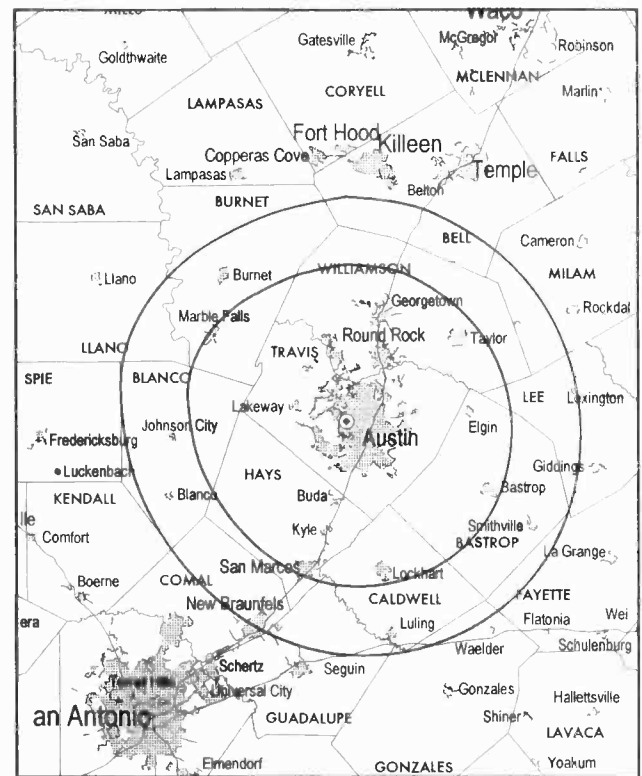
KHFJ 96.7 100/951



KVET 98.1 100/686



KUTZ 98.9 18.5/1814



KASE 100.7 100/1190

AUSTIN



KROX 101.5 100/981



KPEZ 102.3 20/686



KGSR 107.1 46/518



KNNC 107.7 9.1/538

BAKERSFIELD

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KIWI California St., W of Union, downtown Bakersfield City of License: Bakersfield, CA	L	92.1	A	6.00	No	164	50	269	35 22 08	119 00 14
KIWI CP Round Mtn., NE of Bakersfield City of License: Bakersfield, CA	C	92.1	A	2.50	No	509	155	131	35 29 11	118 53 21
KERN Atop Mt. Adelaide (El. 3520), 16 mi. E of Bakersfield City of License: Bakersfield, CA	L	94.1	B	4.50	No	1310	399	288	35 26 20	118 44 23
KERN CP On tower with KKBB 99.3 and KGFM 101.5 (CP), Mt. Adelaide City of License: Bakersfield, CA	C	94.1	B	4.50	No	1332	406	288	35 26 17	118 44 22
KLLY Texaco oilfield, Woody Rd., Oildale City of License: Oildale, CA:	L	95.3	B1	12.50	No	463	141	253	35 27 33	119 01 13
KHIS Round Mtn., 7 mi. NE of Bakersfield City of License: Bakersfield, CA	L	96.5	B	50.00	No	500	152	103	35 29 08	118 53 19
KZBA Kratzmeyer and Nord avenues, 7.2 mi. SE of Shafter City of License: Shafter, CA	L	97.7	A	3.00	No	328	100	381	35 25 10	119 11 54
KKBB Mt. Adelaide City of License: Bakersfield, CA	L	99.3	B1	1.20	No	1345	410	288	35 26 17	118 44 22
KGFM On tower with KERN 94.1 City of License: Bakersfield, CA	L	101.5	B	4.80	No	1280	390	288	35 26 20	118 44 23
KGFM CP On tower with KERN 94.1 (CP) and KKBB 99.3, Mt. Adelaide City of License: Bakersfield, CA	C	101.5	B	6.70	No	1299	396	288	35 26 17	118 44 22
KSUV Merced and Scaroni Avenues, 2.8 mi. WNW of Shafter City of License: McFarland, CA	L	102.9	B1	20.50	No	364	111	384	35 31 29	119 18 46
KLYD On tower with KZBA 97.7 City of License: Shafter, CA	L	104.3	A	6.00	No	305	93	381	35 25 10	119 11 54
KKXX 6 mi. N of Oildale, 0.9 mi. E of CA 65 City of License: Delano, CA	L	105.3	B	35.40	No	584	177	450	35 30 53	119 03 41
KRAB On Chimo Grade (4WD road), near Pampa Peak, 15 mi. E of Bakersfield (El. 1978') City of License: Green Acres, CA	L	106.1	B1	25.00	Yes	328	100	243	35 21 33	118 43 45

BAKERSFIELD

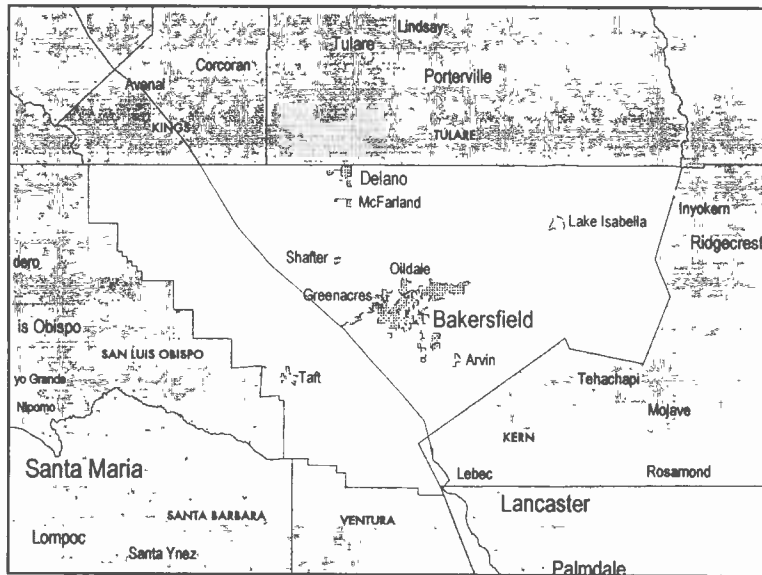
KTIE L 107.1 A 6.00 No 164 50 269 35 22 08 119 00 14

On tower with KIWI 92.1
City of License: Bakersfield, CA

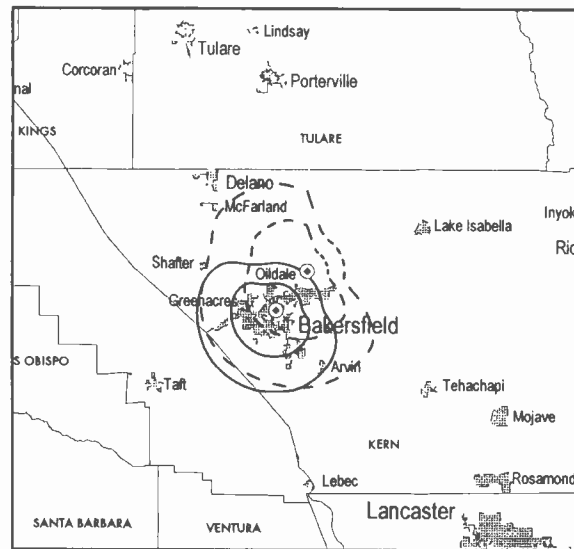
KUZZ L 107.9 B 6.00 No 1365 416 197 35 26 20 118 44 24

Mt. Adelaide
City of License: Bakersfield, CA

Market overview/update: This market has gone from 8 to 13 viable players over the past five years. Three of the new stations are Class B operations; two are Class A s. KLLY, a Class A in '89, has upgraded to Class B1 power. The generally flat terrain and relatively low-density development result in favorable FM reception conditions. The surrounding mountainous terrain and a dial full of local signals precludes significant intrusion from nearby Los Angeles.

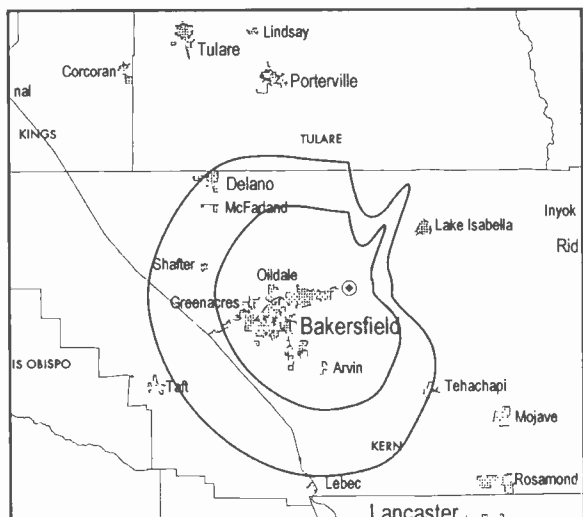


ARBITRON METRO AREA

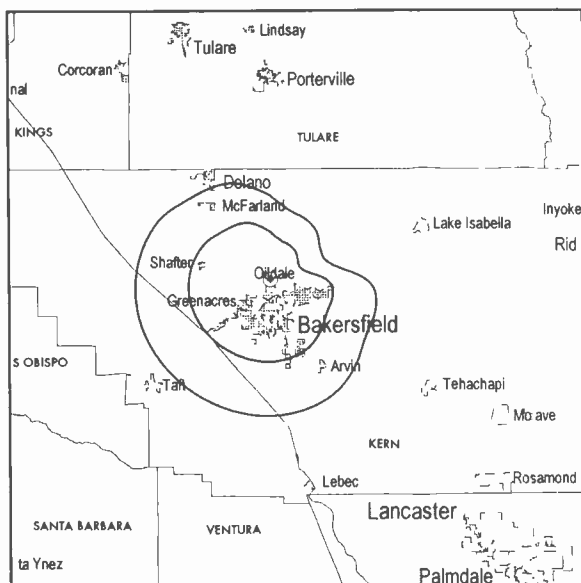


KIWI	92.1	6/164
KIWI CP	92.1	2.5/509

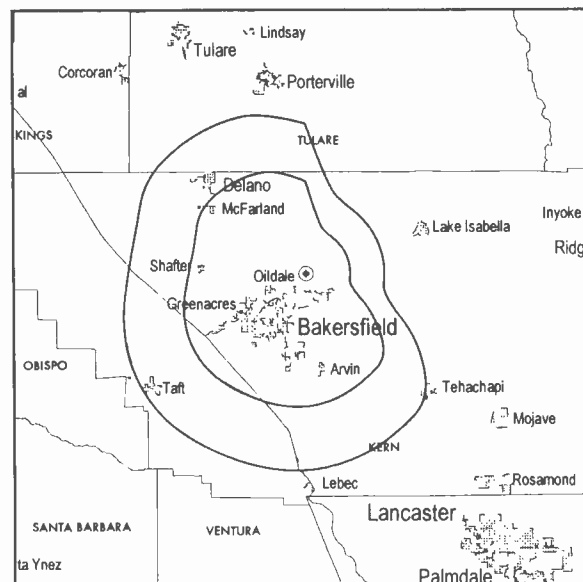
BAKERSFIELD



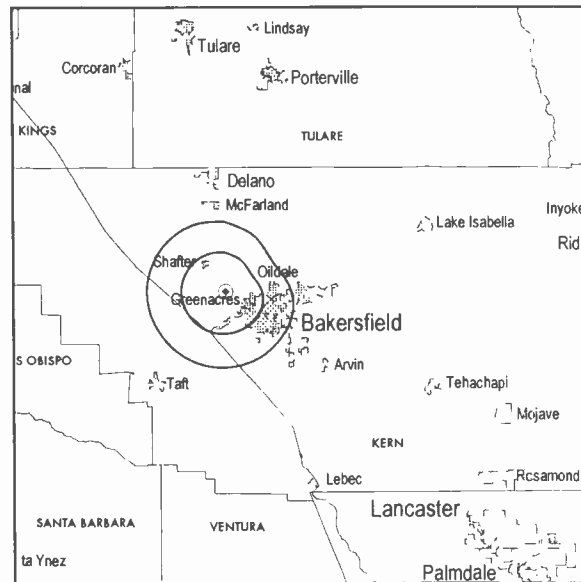
KERN	94.1	4.5/1310
KERN CP	94.1	4.5/1332
KGFM	101.5	4.8/1280



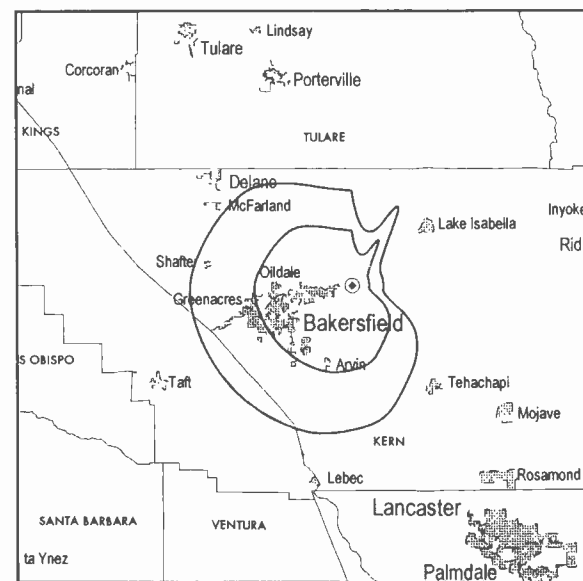
KLLY	95.3	12.5/463
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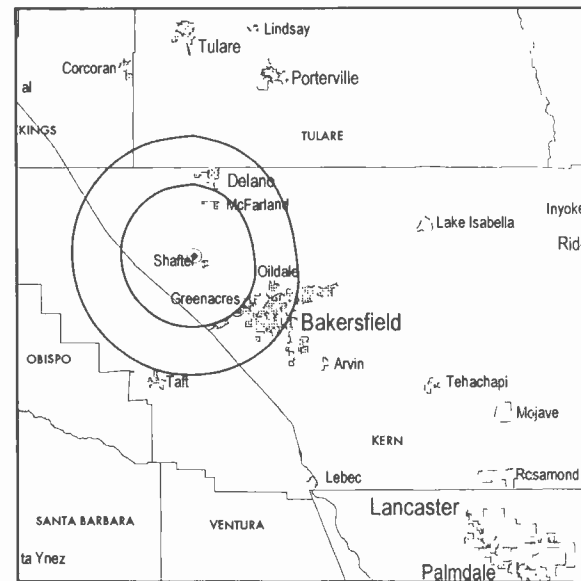
KHIS	96.5	50/500
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KZBA	97.7	3/328
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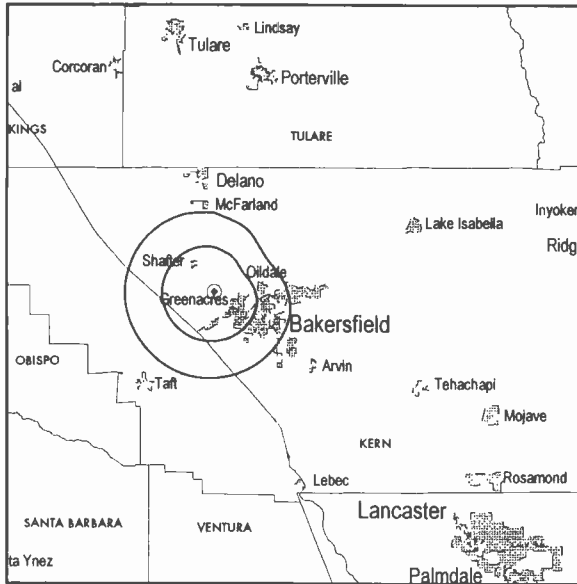


KKBB	99.3	1.2/1345
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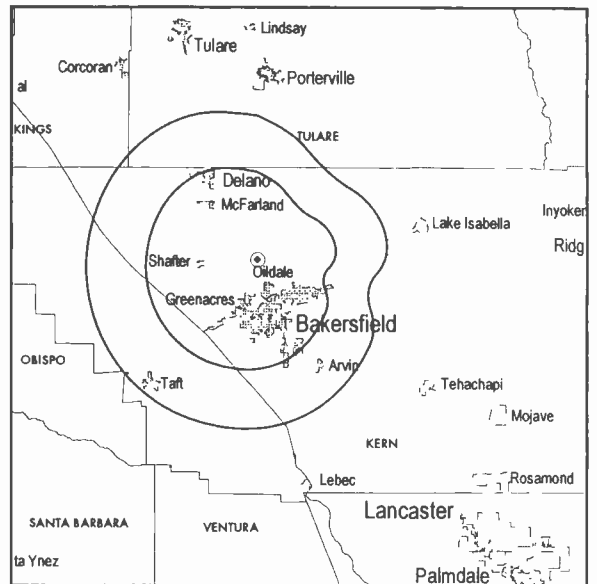


KSUV	102.9	20.5/364
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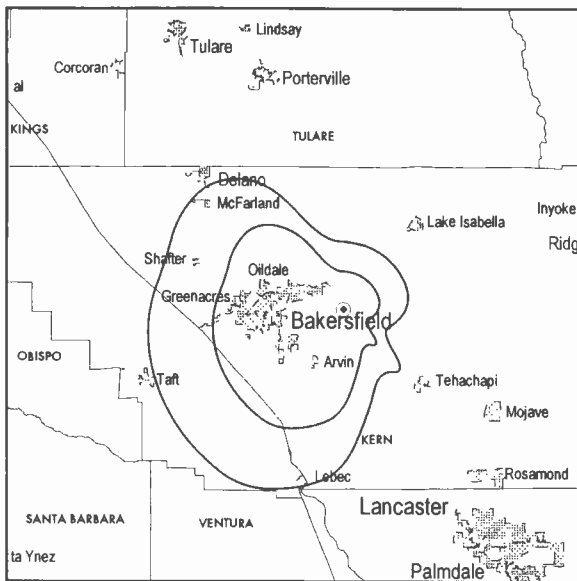
BAKERSFIELD



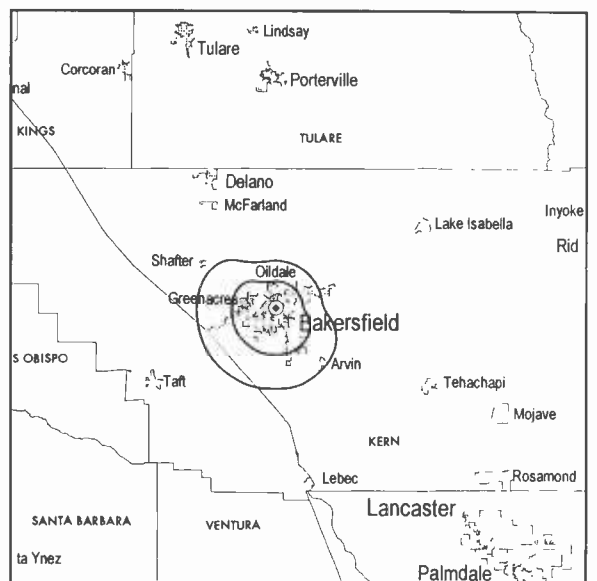
KLYD 104.3 6/305



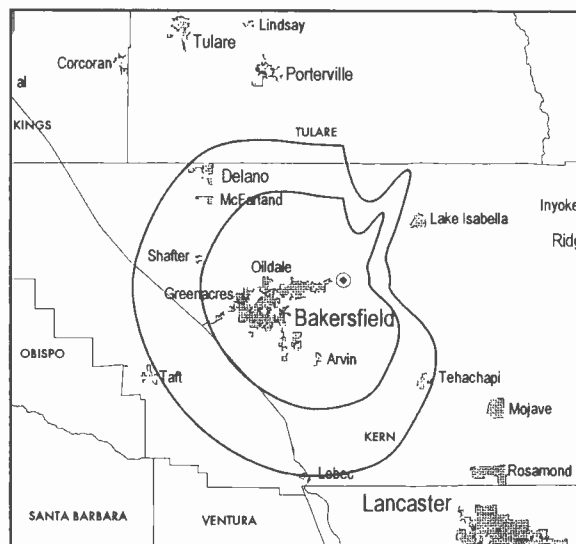
KXXX 105.3 35.4/584



KRAB 106.1 25/328



KTIE 107.1 6/164



KUZZ 107.9 6/1365
KGFM CP 101.5 6.7/1299

BALTIMORE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WERQ 4338 Park Heights Ave., Baltimore City of License: Baltimore, MD	L	92.3	B	37.00	Yes	570	174	492	39 20 20	76 40 02
WPOC 1200 N. Rolling Rd., N of US 40, Catonsville City of License: Baltimore, MD	L	93.1	B	16.00	No	860	262	669	39 17 13	76 45 16
WRBS 3600 Old Georgetown Rd., near southern junction of I-95 and I-695 City of License: Baltimore, MD Note:	L	95.1	B	50.00	Yes	500	152	507	39 15 21	76 40 29
WWIN Hawkins Point, W of Francis Scott Key Bridge City of License: Glen Burnie, MD	L	95.9	A	3.00	No	300	91	355	39 12 16	76 34 07
WIYY Ch. 11 pole on candelabra tower, Television Hill, 3800 Hooper Ave., Baltimore City of License: Baltimore, MD	L	97.9	B	13.50	No	946	288	999	39 20 05	76 39 03
WGRX MD 30 at MD 482, Hampstead, 8 mi. ENE of Westminster City of License: Westminster, MD	L	100.7	B	15.80	Yes	861	262	724	39 56 59	76 51 37
WLIF End of Hart Rd., 0.8 mi. E of Providence Rd., Towson City of License: Baltimore, MD	L	101.9	B	13.50	No	960	293	850	39 25 02	76 33 23
WXYV WBJC 91.5 tower, I-695 at Reisterstown Rd. (MD 140) City of License: Baltimore, MD	L	102.7	B	50.00	No	437	133	415	39 23 11	76 43 52
WOCT Off US 1, N of Perry Hall, MD, NE of Baltimore City of License: Baltimore, MD	L	104.3	B	50.00	No	420	128	457	39 25 46	76 27 01
WQSR 5200 Moravia Rd., Baltimore City of License: Catonsville, MD	L	105.7	B	50.00	Yes	492	150	555	39 19 26	76 32 56
WWMX Ch. 45 tower, Television Hill, Baltimore City of License: Baltimore, MD	L	106.5	B	7.40	No	1217	371	1259	39 20 10	76 38 59

Market overview/update: Remarkably stable over the past five years. The old WYST jumped from 10-kw to 37-kw at the same location, and later became WERQ. Because of its mid-city tower location, coverage was already competitive at 10-kw. There have been no move-ins or drop-ins here in many years. WHFS and its tower-mate WFSI are situated near Bowie, MD, yielding 1-mil coverage of most of both cities. WHFS, being non-DA with less adjacent channel intrusion, is the better of the two. For maps of WHFS and WFSI, see the Washington section.

BALTIMORE



ARBITRON METRO AREA



WERQ 92.3 371/570



WPOC 93.1 16/860



WRBS 95.1 50/500



WWIN 95.9 3/300



WIYY 97.9 13.5/946

BALTIMORE



WGRX 100.7 15.8/861



WLIF 101.9 13.5/960



WXYV 102.7 50/420



WOCT 104.3 50/420



WQSR 105.7 50/492



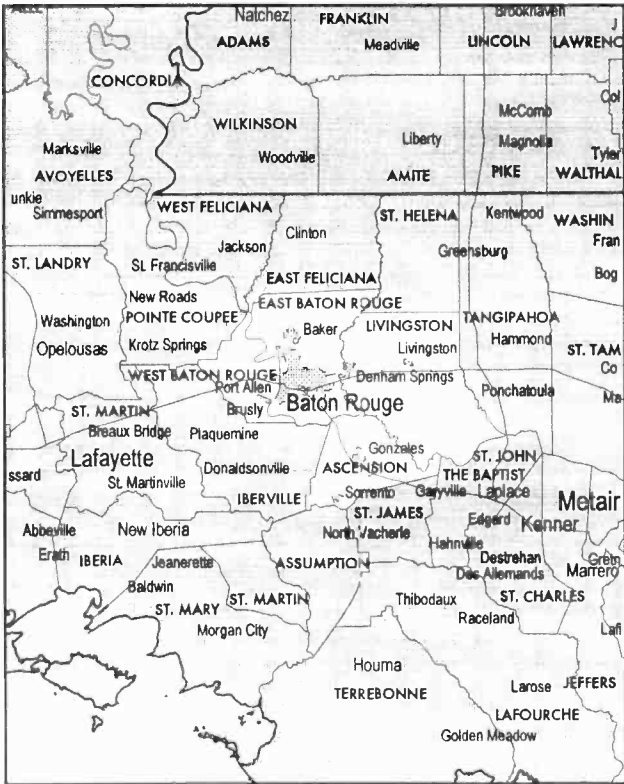
WMMX 106.5 7.4/1217

BATON ROUGE

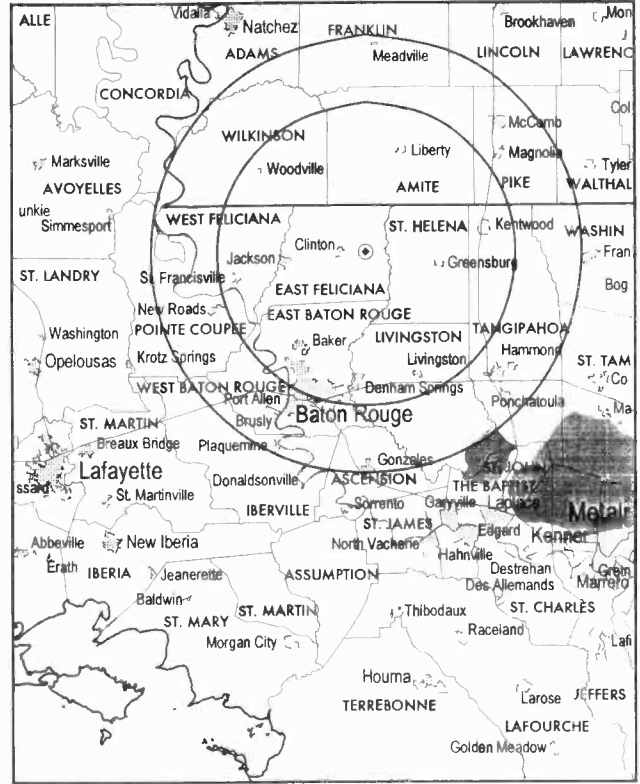
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WYCT 6627 Gilead Rd., Clinton, LA City of License: Kentwood, LA	L	94.1	C1	100.00	No	982	299	988	30 51 44	90 55 34
KRVE 15862 Frenchtown Rd., E. Baton Rouge, 3 mi. W of Denham Springs City of License: Brusly, LA	L	96.1	C2	43.00	No	450	137	500	30 29 34	91 00 15
WGGZ Ch. 9 tower, E of River Rd., at Duncan Pt. City of License: Baton Rouge, LA	L	98.1	C	100.00	No	1500	457	1729	30 21 58	91 12 47
WTGE Ch. 33 tower, Gabrielle Ln., Addis, LA, 2 mi. W of LA 1 City of License: Baton Rouge, LA	L	100.7	C	100.00	No	1500	457	1735	30 19 35	91 16 36
WYNK On Ch. 33 tower with WTGE 100.7 City of License: Baton Rouge, LA	L	101.5	C	100.00	No	1500	457	1735	30 19 35	91 16 36
WLSS Ch. 2 tower, Plaquemine Pt. City of License: Baton Rouge, LA	L	102.5	C	100.00	No	1250	384	1724	30 17 49	91 11 40
WKJN E of LA 447, 6 mi. S of Walker, LA City of License: Hammond, LA	L	103.3	C	100.00	No	1003	306	1045	30 24 06	90 50 43
KQXL 4342 Spur Ln., Zachary, LA City of License: New Roads, LA	L	106.5	C2	50.00	No	484	148	500	30 37 24	91 09 50

Market overview/update: KRVE is the most significant drop-in. WYCT, originally licensed to McComb, MS, has successfully competed a two-stage Baton Rouge move-in, which included a change in city-of-license to Kentwood, LA. The station's second 1000' tower now stands near Clinton, LA. WCKW and KHOM city-grade major portions of Baton Rouge from a 2000' tower in Vacherie, midway between Baton Rouge and New Orleans. This is one of the few 2000' towers ever built exclusively for radio (See New Orleans for WCKW and KHOM).

BATON ROUGE



ARBITRON METRO AREA



WYCT 94.1 100/982

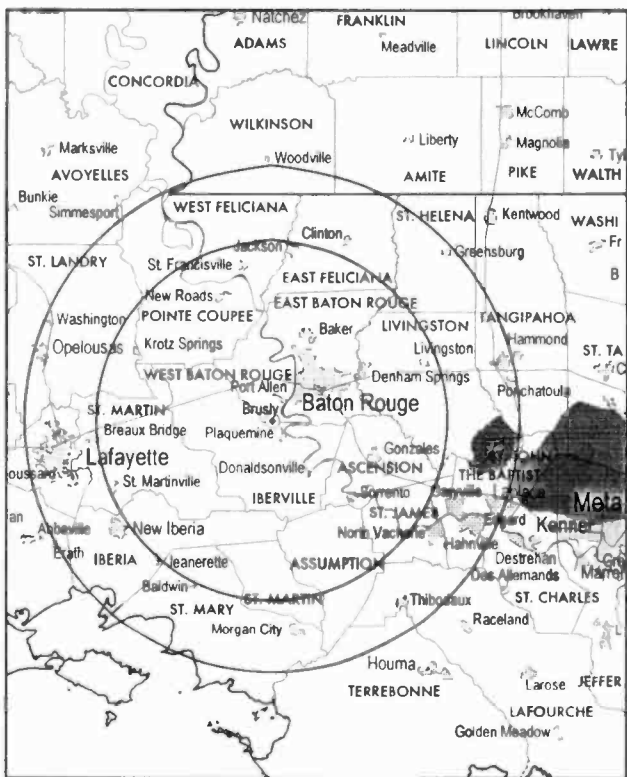


KRVE 96.1 43/450



WGGZ 98.1 100/1500

BATON ROUGE



WTGE 100.7 100/1500
WYNK 101.5 100/1500



WLSS 102.5 100/1250



WKJN 103.3 100/1003



KQXL 106.5 50/484

BIRMINGHAM

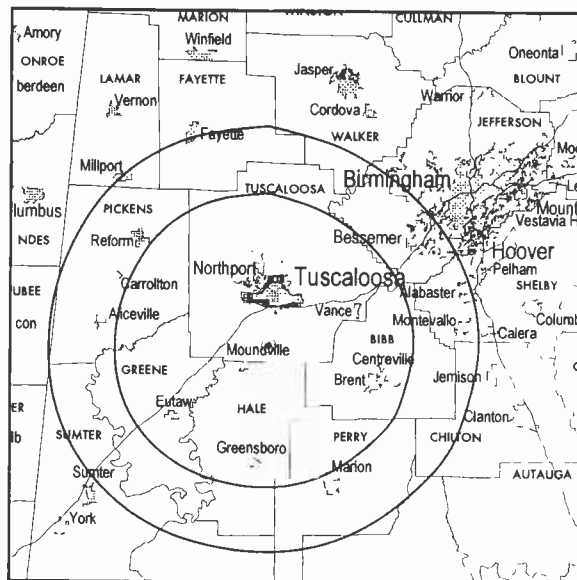
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WTUG Rural area, 1 mi. E of AL 69, 10 mi. S of Tuscaloosa City of License: Tuscaloosa, AL	L	92.9	C1	100.00	No	981	299	843	33 03 15	87 32 57
WDJC Antenna farm #2, Red Mtn., nr jct. of county roads 66 & 93, SE of Midfield City of License: Birmingham, AL	L	93.7	C	100.00	No	1007	307	698	33 26 36	86 52 50
WMXQ On Ch. 13 tower, Antenna farm #1, Red Mtn., adj. to Vulcan statue, S of downtown City of License: Birmingham, AL	L	94.5	C	100.00	No	1214	369	1072	33 29 26	86 47 48
WMJJ Antenna farm #2 City of License: Birmingham, AL	L	96.5	C	100.00	No	1026	313	703	33 26 38	86 52 47
WBHK 3.5 mi W of Blount Springs, 0.8 mi NE of intersection of Hwy 31 & Bee Line Hwy City of License: Warrior, AL	L	98.7	C3	6.20	No	656	200	85	33 53 34	86 50 09
WBHK CP .75 mi N of Edwards Lake Rd & I-5, Center Point City of License: Warrior, AL	C	98.7	C2	31.00	No	620	189	180	33 36 41	86 39 19
WZRR Antenna farm #2 City of License: Birmingham, AL	L	99.5	C1	100.00	No	870	265	585	33 26 28	86 53 00
WZRR CP Red Mtn., between Montevallo Rd. and Ishkooda-Wenonah Rd. City of License: Birmingham, AL	C	99.5	C	100.00	No	1014	309	0	33 27 45	86 50 59
WOWC Ch. 17 tower, 5 mi. E of Windham Springs, AL City of License: Jasper, AL	L	102.5	C	83.00	No	2096	639	1967	33 28 51	87 24 03
WZZK Ch. 42 tower, antenna farm #1 City of License: Birmingham, AL	L	104.7	C	100.00	No	1300	396	1134	33 29 02	86 48 21
WRAX Ruffner Mtn., above East Lake section of Birmingham City of License: Trussville, AL	L	105.9	A	1.40	No	673	205	154	33 33 38	86 42 11
WODL Ch. 6/10 tower, antenna farm #1 City of License: Birmingham, AL	L	106.9	C	100.00	No	1150	351	1042	33 29 19	86 47 58
WENN Miles Mtn., E of AL 75, near Palmyra, NE of Birmingham City of License: Birmingham, AL	L	107.7	C	100.00	No	1237	377	778	33 43 52	86 37 57

BIRMINGHAM

Market overview/update: Enjoys a stations-to-population ratio almost as favorable as Atlanta. WRAX is a new Class A drop-in transmitting a reasonably competitive signal from Ruffner Mountain on the east side of the city. WOWC Jasper is now part of a Birmingham duopoly, and is more aggressively engineered. WBHK, a new C3 drop-in in Warrior, holds a CP to upgrade to 50-kw at a tower site just northeast of the city. WTUG, a C1 in Tuscaloosa, has averaged almost 4 shares in Birmingham recently with its Urban format. Dick's WZRR and WMXQ have applied to build a new Class C tower just west of I-65 on Red Mountain. Interesting side note: WENN's tower site on Miles Mountain, well to the northeast of Birmingham, has resulted in several top-five showings in Huntsville, 75 miles away, which has no Urban FM.



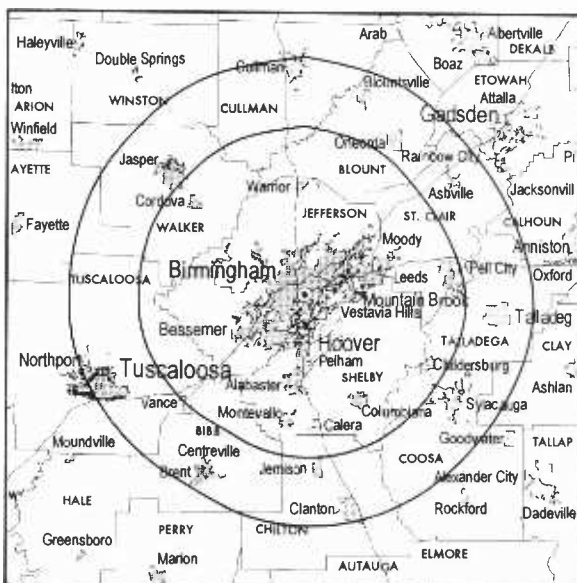
ARBITRON METRO AREA



WTUG 92.9 100/981



WDJC 93.7 100/1007



WMXQ 94.5 100/1214

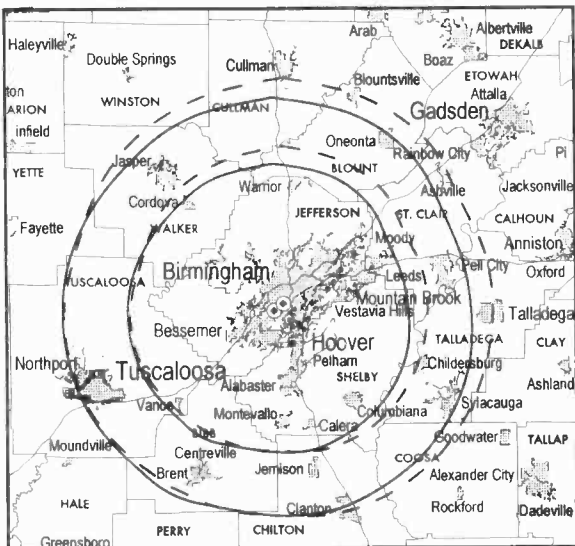
BIRMINGHAM



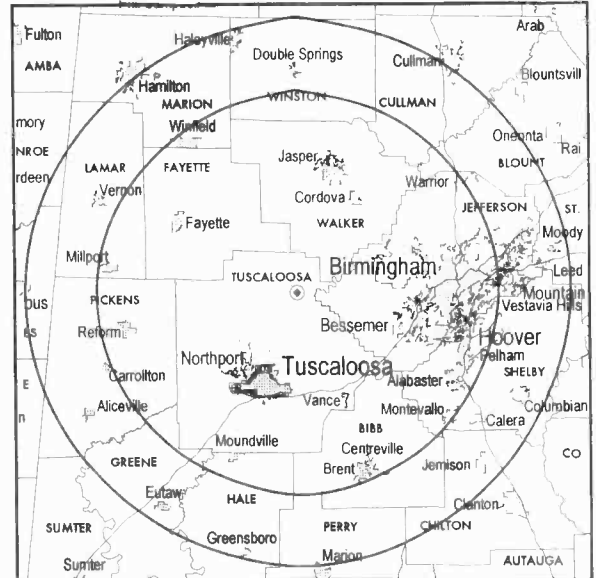
WMJJ 96.5 100/1026



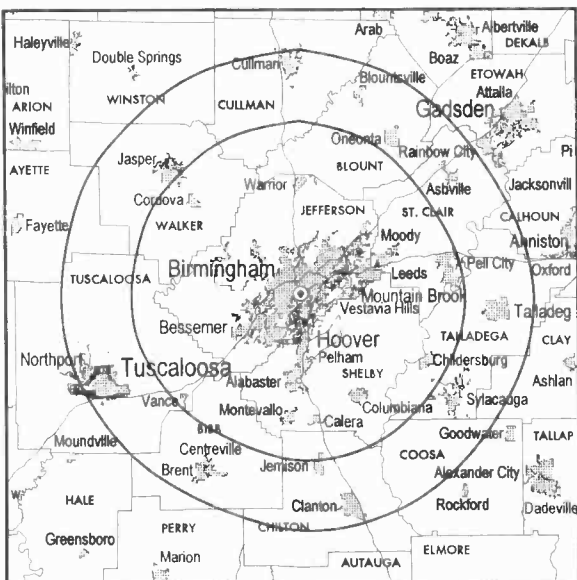
WBHK 98.7 6.2/656
WBHK CP 98.7 31/620



WZRR 99.5 100/870
WZRR CP 99.5 100/1014



WOVW 102.5 83/2096



WZZK 104.7 100/1300

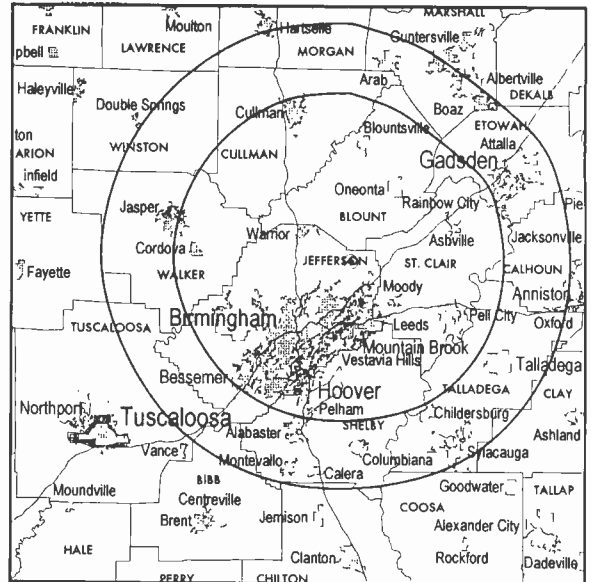


WRAX 105.9 1.4/673

BIRMINGHAM



WODL 106.9 100/1150



WENN 107.7 100/1237

BOSTON

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WBOS Sconnix FM-128 tower, 1165 Chestnut St., Newton Upper Falls, MA City of License: Brookline, MA	L	92.9	B	8.81	No	1152	351	1249	42 18 27	71 13 27
WEGQ Forest St. and Farmington Ave., near jct. of MA 128 and US 1, Peabody, MA City of License: Lawrence, MA	L	93.7	B	34.00	No	587	179	500	42 31 57	70 59 11
WJMN Sconnix FM-128 tower City of License: Boston, MA	L	94.5	B	11.50	No	1053	321	1249	42 18 27	71 13 27
WJMN CP Prudential Bldg. master antenna, Back Bay, Boston City of License: Boston, MA	C	94.5	B	17.50	No	771	235	909	42 20 50	71 04 59
WHRB Holyoke Center, 75 Mt. Auburn St., Cambridge, MA City of License: Cambridge, MA	L	95.3	A	3.00	No	110	34	186	42 22 20	71 07 09
WKLB Sconnix FM-128 tower City of License: Boston, MA	L	96.9	B	8.80	No	1152	351	1249	42 18 27	71 13 27
WKLB CP Prudential Bldg. master antenna City of License: Boston, MA	C	96.9	B	22.50	No	735	224	909	42 20 50	71 04 59
WBMX Sconnix FM-128 tower City of License: Boston, MA	L	98.5	B	9.00	No	1145	349	1249	42 18 27	71 13 27
WPLM MA 3, NW of Plymouth City of License: Plymouth, MA	L	99.1	B	50.00	No	430	131	386	41 58 02	70 42 04
WOAZ Wood Hill, Andover, MA City of License: Lowell, MA	L	99.5	B	32.00	No	600	183	394	42 39 16	71 13 09
WZLX Prudential Bldg. master antenna City of License: Boston, MA	L	100.7	B	21.40	No	771	235	909	42 20 50	71 04 59
WFNX 12 Murray St., Medford, MA City of License: Lynn, MA	L	101.7	A	1.65	No	449	137	357	42 25 52	71 05 20
WCRB Ch. 4 tower, 350 Cedar St., Needham Heights, MA City of License: Waltham, MA	L	102.5	B	15.00	No	925	282	1199	42 18 37	71 14 14
WODS Sconnix FM-128 tower City of License: Boston, MA	L	103.3	B	16.00	No	887	270	1249	42 18 27	71 13 27

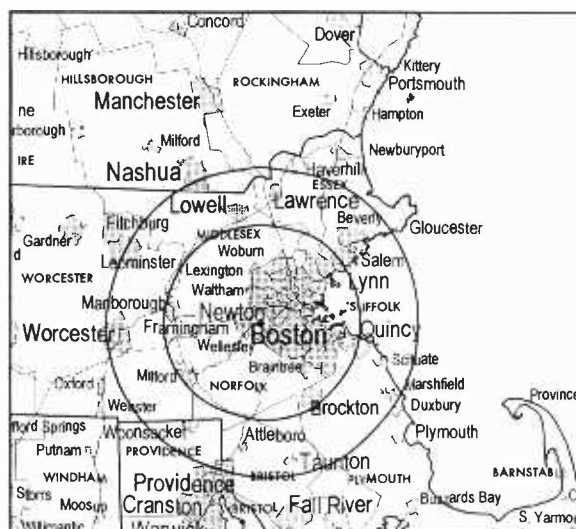
BOSTON

WBCN	L	104.1	B	20.90	No	771	235	909	42 20 50	71 04 59
Prudential Bldg. master antenna										
City of License: Boston, MA										
WROR	L	105.7	B	8.50	No	1145	349	1249	42 18 27	71 13 27
Sconnix FM-128 tower										
City of License: Framingham, MA										
WMJX	L	106.7	B	21.40	No	771	235	909	42 20 50	71 04 59
Prudential Bldg. master antenna										
City of License: Boston, MA										
WAAF	L	107.3	B	18.50	No	820	250	257	42 18 13	71 53 51
Asnebumskit Hill, off MA 122, SE of Paxton, MA										
City of License: Worcester, MA										
WXKS	L	107.9	B	20.50	No	771	235	909	42 20 50	71 04 59
Prudential Bldg. master antenna										
City of License: Medford, MA										

Market overview/update: One major upgrade: ARS's WEGQ, licensed to Lawrence, recently began operating from a new 500' tower in Peabody, at the junction of Boston's 128 belt loop and US 1. Metro coverage is vastly improved. Boston's FMs transmit from two major sites; the Prudential Building in Back Bay and the antenna farm in the Newton/Needham area. Each has advantages. "The Pru" concentrates more RF in the densest urban areas while sites in the farm waste less energy over the Atlantic and penetrate farther inland.



ARBITRON METRO AREA



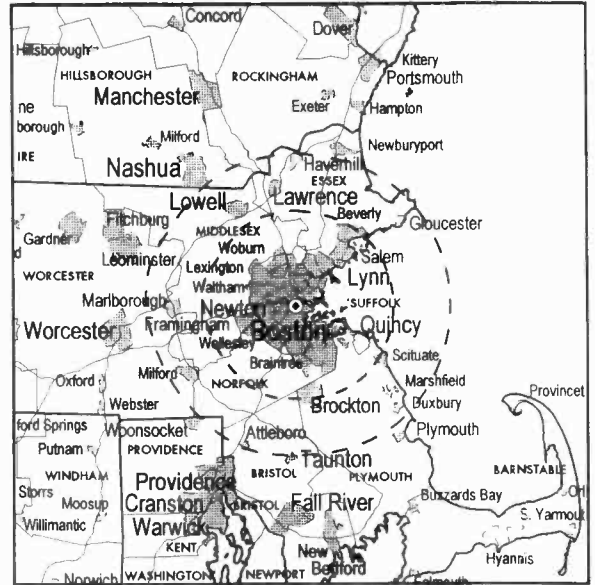
Sconnix FM-128 Tower

WBOS	92.9	8.81/1152
WJMN	94.5	11.5/1053
WKLB	96.9	8.8/1152
WBMX	98.5	9/1145
WKLB	105.7	8.5/1145

BOSTON



WEGQ 93.7 34/587



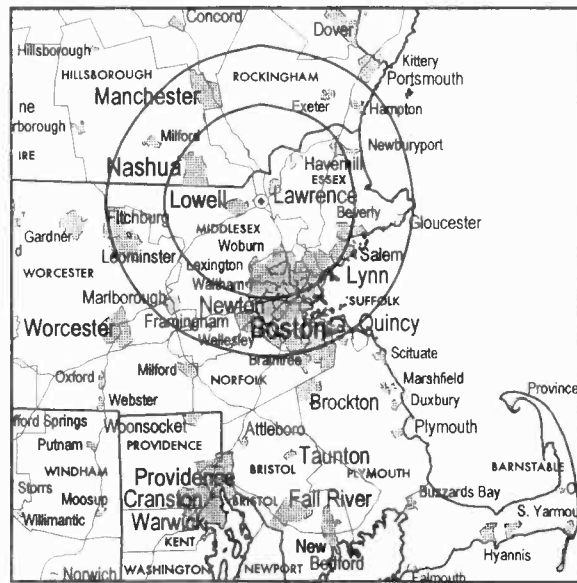
WJMN CP 94.5 17.5/771



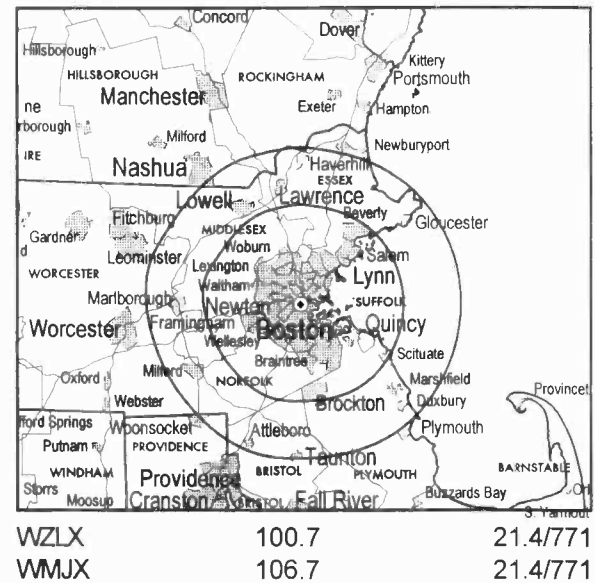
WHRB 95.3 3/110



WPLM 99.1 50/430

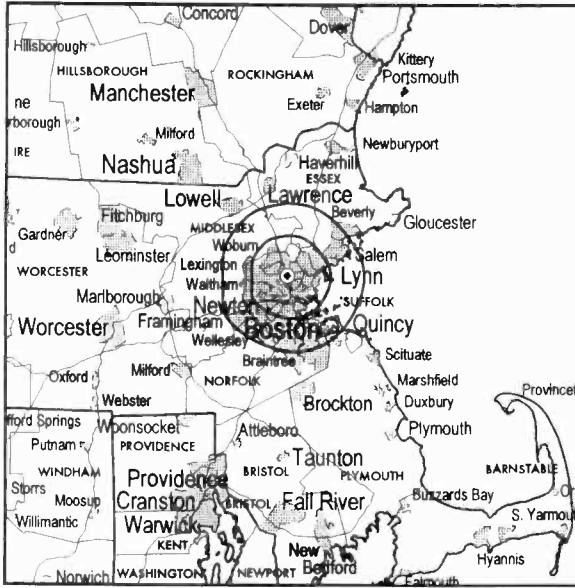


WOAZ 99.5 32/600



WZLX 100.7 21.4/771
 WMJX 106.7 21.4/771
 WBCS CP 96.9 22.5/735

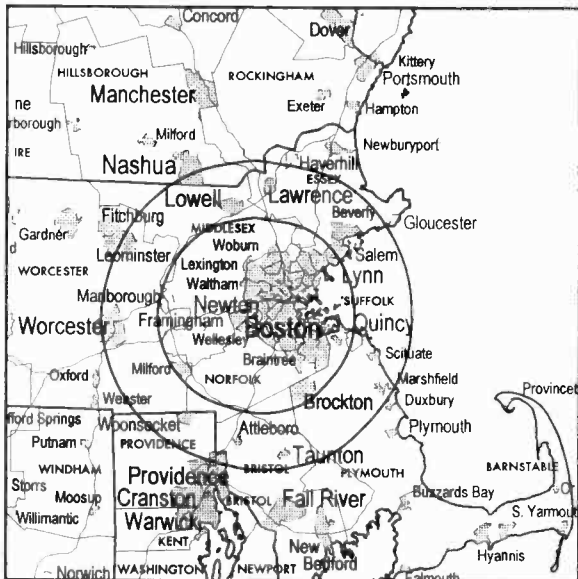
BOSTON



WFNX 101.7 1.65/449



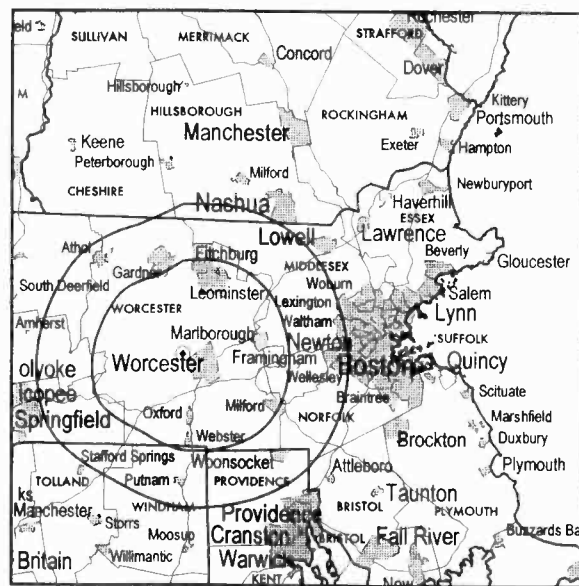
WCRB 102.5 15/925



WODS 103.3 16/887



WBCN 104.1 20.9/771
WXKS 107.9 20.5/771



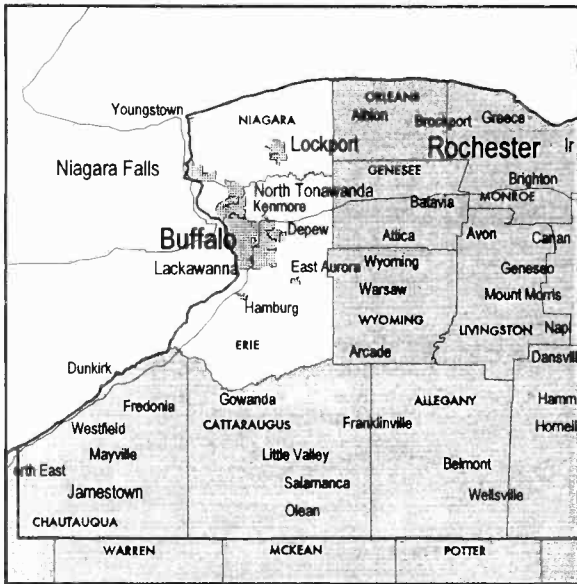
WAAF 107.3 18.5/820

BUFFALO

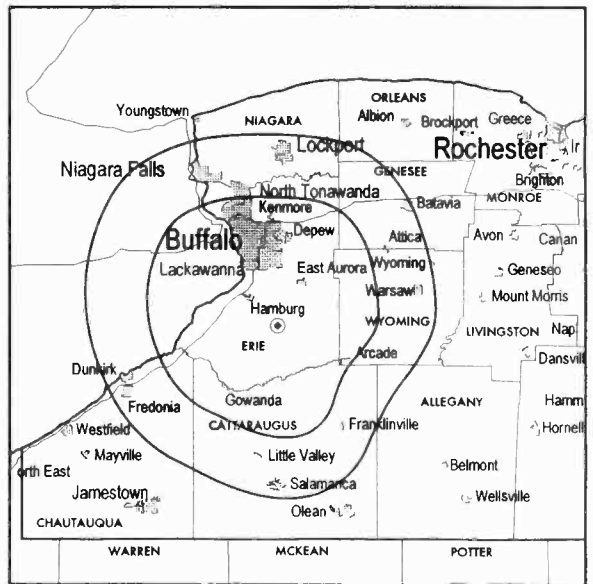
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WSJZ East Hill, E of US 219, between Boston and Colden City of License: Buffalo, NY	L	92.9	B+	91.00	No	580	177	423	42 38 12	78 42 58
WBLK Rand Bldg., 14 Lafayette Sq., downtown Buffalo City of License: Depew, NY	L	93.7	B	50.00	No	400	122	505	42 53 10	78 52 25
WBLK CP Rand Bldg., diplexed with WJYE City of License: Depew, NY	C	93.7	B	47.00	No	505	154	509	43 53 10	78 52 25
WJYE Rand Bldg., with WBLK 93.7 City of License: Buffalo, NY	L	96.1	B	47.00	No	505	154	509	42 53 10	78 52 25
WGRF Former Ch. 4 tower, 2065 Elmwood Ave., Buffalo City of License: Buffalo, NY	L	96.9	B	24.00	Yes	712	217	709	42 57 14	78 52 37
WKSE WHLD-AM tower, 2692 Staley Rd, Grand Island City of License: Niagara Falls, NY	L	98.5	B	46.00	No	420	128	420	43 00 18	78 59 35
WDCX Zimmerman Rd., 0.4 mi. N of Rice Hill Rd., W of Boston City of License: Buffalo, NY	L	99.5	B+	110.00	No	640	195	403	42 38 07	78 46 05
WMJQ Ch. 4 tower, Center St., Colden City of License: Buffalo, NY	L	102.5	B+	110.00	No	1340	408	1059	42 39 33	78 37 33
WEDG 1934 Fillmore Ave., Buffalo City of License: Buffalo, NY	L	103.3	B	49.00	No	340	104	338	42 55 33	78 50 28
WHTT Near intersection of Dorrance St. and Onondaga Ave., West Seneca City of License: Buffalo, NY	L	104.1	B	50.00	No	390	119	495	42 49 50	78 47 54
WYRK Rand Bldg. City of License: Buffalo, NY	L	106.5	B	50.00	No	466	142	509	42 53 10	78 52 25
WNUC NY 78, W of NY 362, Wethersfield Twp., Wyoming County City of License: Wethersfield	L	107.7	B	11.50	No	800	244	524	42 37 23	78 17 16

Market overview/update: One major upgrade since '89: WGRF has moved from the Ch. 2 tower in the television antenna farm in the hills south of the city to a tower site near the middle of the city. As a standard Class B, WGRF was at a slight, but noticeable signal disadvantage compared with other Buffalo Class B s. WGRF's new site is 100% competitive. The FMs which remain in the antenna farm are all grandfathered "superpower" stations. Each has better coverage than WGRF's previous facility.

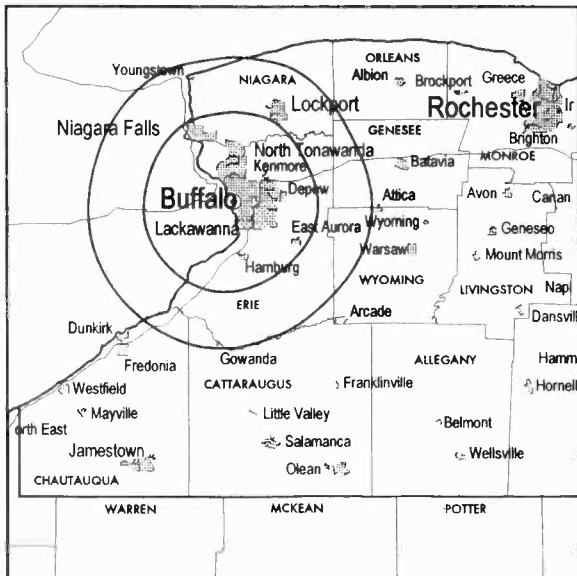
BUFFALO



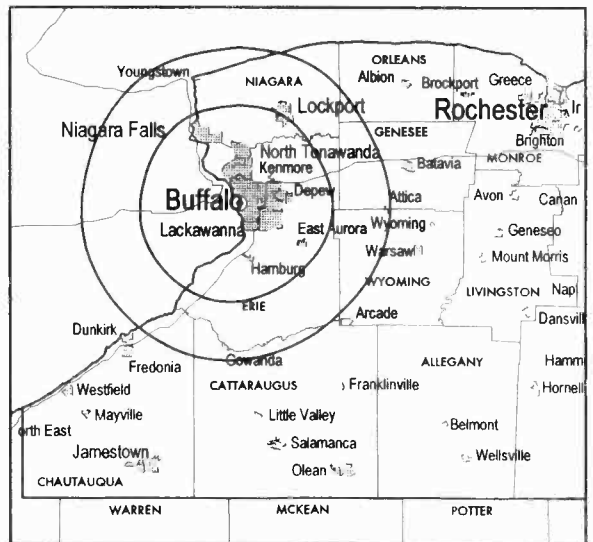
ARBITRON METRO AREA



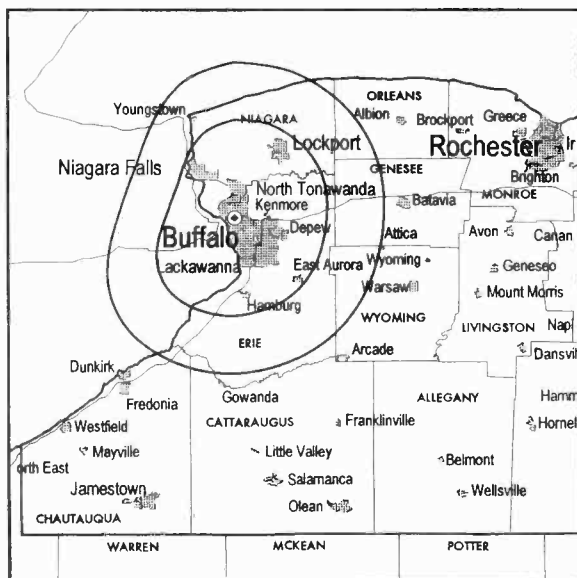
WSJZ 92.9 91/580



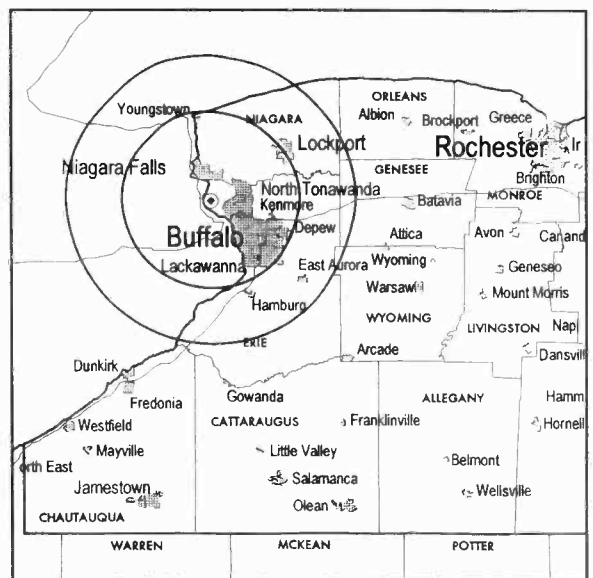
WBLK 93.7 50/400



WJYE 96.1 47/505
WBLK CP 93.7 47/505

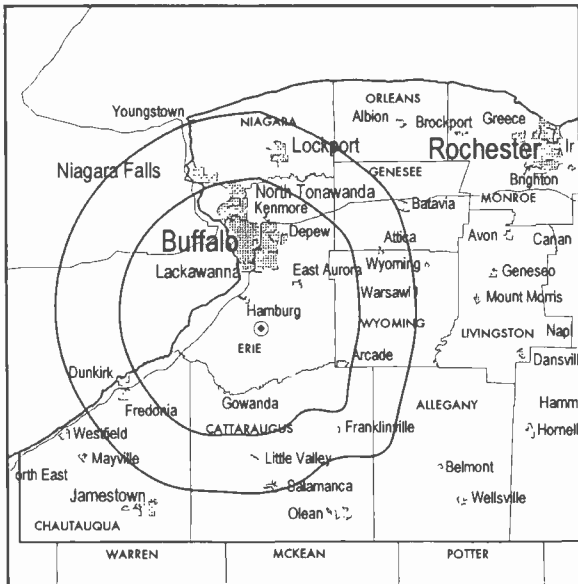


WGRF 96.9 24/712

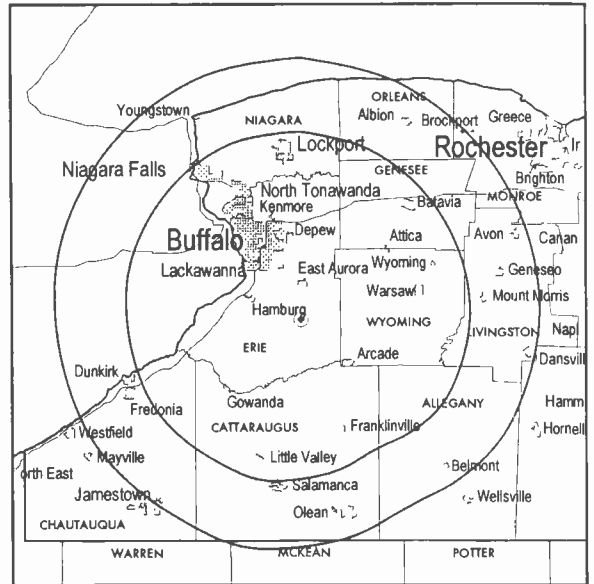


WKSE 98.5 46/420

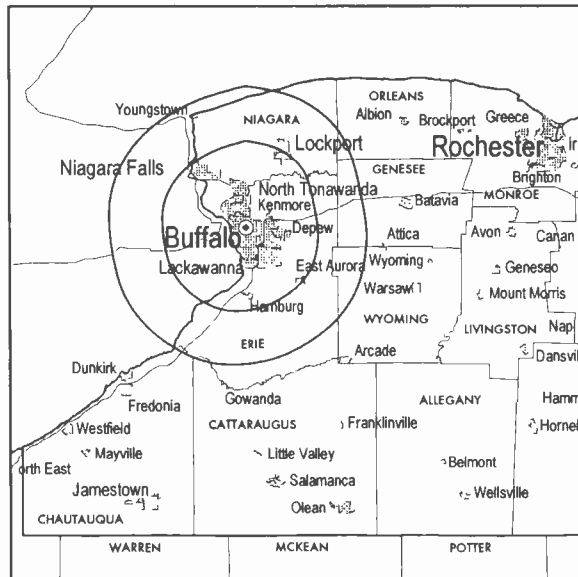
BUFFALO



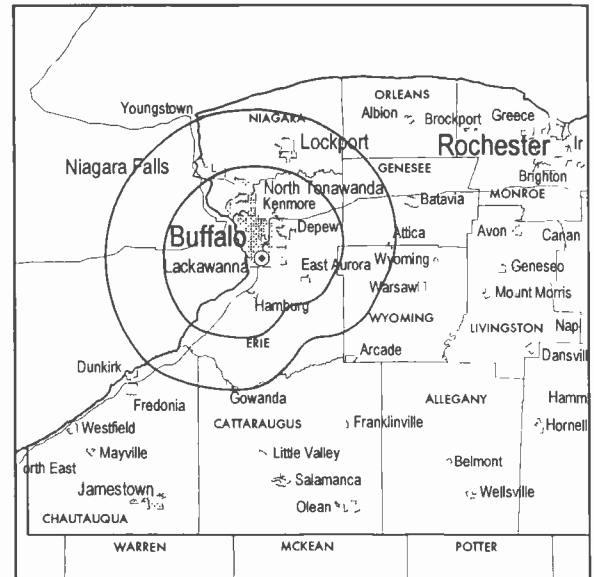
WDCX 99.5 110/640



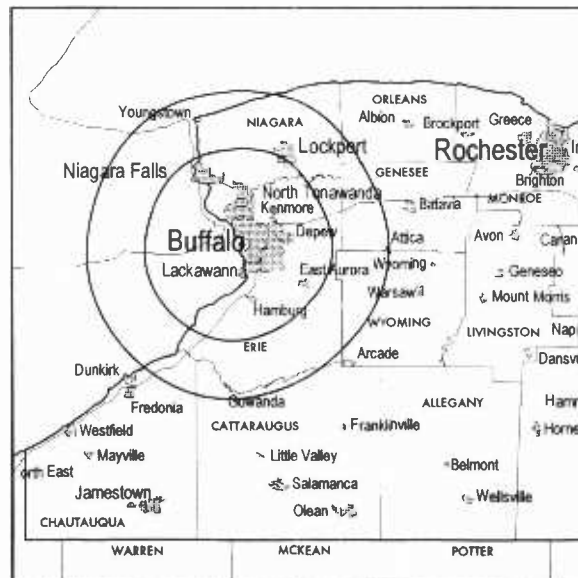
WMJQ 102.5 110/1340



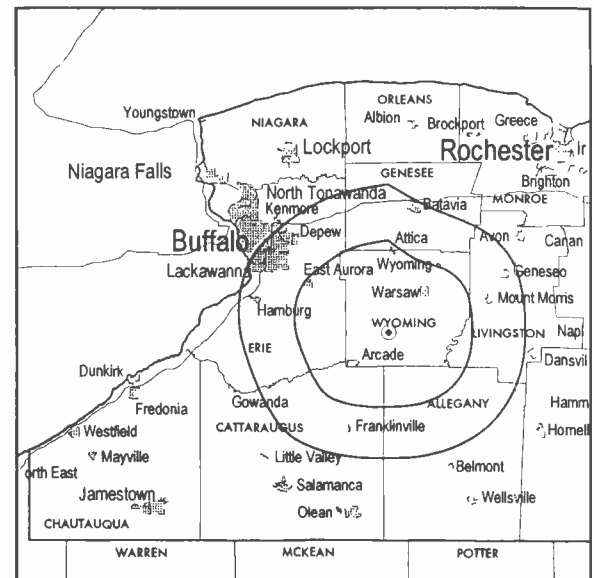
WEDG 103.3 49/340



WHTT 104.1 50/390



WYRK 106.5 50/466



WNUC 107.7 115/800

CHARLESTON, SC

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WWWZ 2000' N of Cainhoy Rd, Cainhoy, SC City of License: Summerville, SC	L	93.3	C2	50.00	No	492	150	500	32 54 18	79 55 19
WSSP Near confluence of Cooper and Back rivers, 6 mi E of Goose Creek City of License: Goose Creek, SC Note: Holds CP to upgrade to Class C3 with 5.8 kw on existing antenna	L	94.3	A	2.90	No	480	146	499	33 00 06	79 55 51
WSSX Former Ch. 5 tower, Rifle Range Rd., 5.5 mi. E of Charleston City of License Charleston, SC	L	95.1	C	100.00	No	1000	305	1044	32 47 44	79 50 27
WAVF On tower with WEZL 103.5 City of License: Hanahan, SC	L	96.1	C1	100.00	No	538	164	705	32 49 04	79 50 08
WJZK On Ch. 4/5/7 tower, E of junction of US 17/701 and Sewee Rd. City of License: Charleston, SC	L	96.9	C	100.00	Yes	1770	540	2000	32 55 28	79 41 58
WYBB 2669 Abbapoola Rd., John's Island City of License: Folly Beach, SC	L	98.1	C2	50.00	No	479	146	495	32 39 57	80 03 11
WSUY East tower, WTMA-AM array, end of Orange Ave., 0.6 mi. E of Old Town Rd. City of License: Charleston, SC	L	100.5	C2	17.50	Yes	394	120	420	32 49 20	79 58 45
WPAL On SC 651, Irons Crossroads City of License: Walterboro, SC	L	100.9	C3	25.00	No	328	100	353	32 51 47	80 29 43
WMGL US 17, 1.65 mi. S of SC 162, Ravenel City of License: Ravenel, SC	L	101.7	C3	6.50	No	423	129	449	32 46 44	80 10 37
WXLY On tower with WSSX 95.1 City of License: North Charleston, SC	L	102.5	C	100.00	No	1000	305	1044	32 47 44	79 50 27
WEZL 0.5 mi. E of New Hope Church, Mt. Pleasant City of License: Charleston, SC	L	103.5	C1	100.00	No	661	201	705	32 49 04	79 50 08
WRFQ Former Ch. 4 tower, SC 703, Mt. Pleasant City of License: Mt. Pleasant, SC	L	104.5	C2	28.00	Yes	656	200	983	32 47 15	79 51 00
WTUA On SC 377, 1 mi. N of SC 375, Gourdine, SC City of License: St. Stephen, SC	L	106.1	A	6.00	No	328	100	345	33 29 36	79 53 21
WBUB W of Ridgeville, Dorchester County, SC City of License: St. George, SC	L	107.5	C	100.00	No	984	300	1060	33 05 11	80 22 33

CHARLESTON, SC

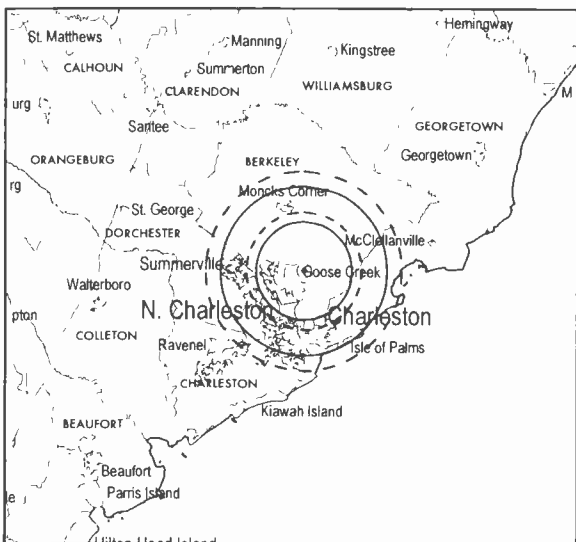
Market overview/update: Nine new viable signals have entered this market since Docket 80-90 was passed in 1984, making this one of the markets most affected by deregulation. Several "stretch" move-ins have proven successful here. Credit the low-density nature of Charleston's urban development, and 100% flat terrain.



ARBITRON METRO AREA



WWWZ 93.3 50/492

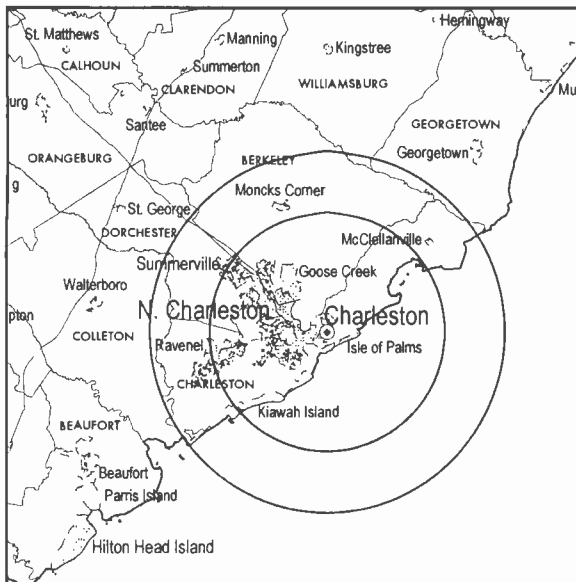


WSSP 94.3 2.9/480
WSSP CP 94.3 5.8/480

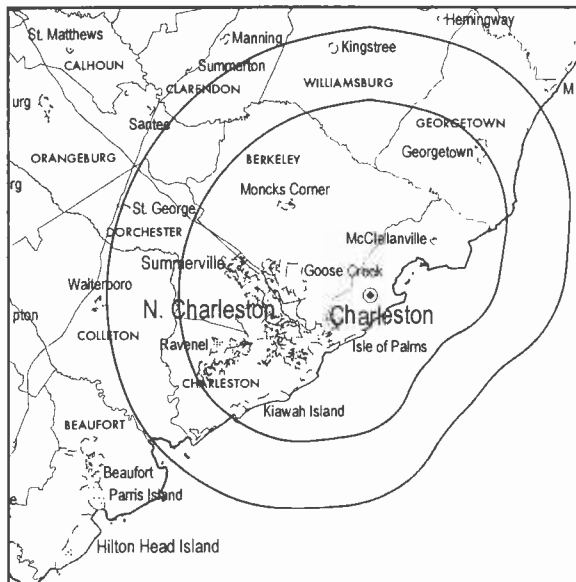


WSSX 95.1 100/1000
WXLY 102.5 100/1000

CHARLESTON, SC



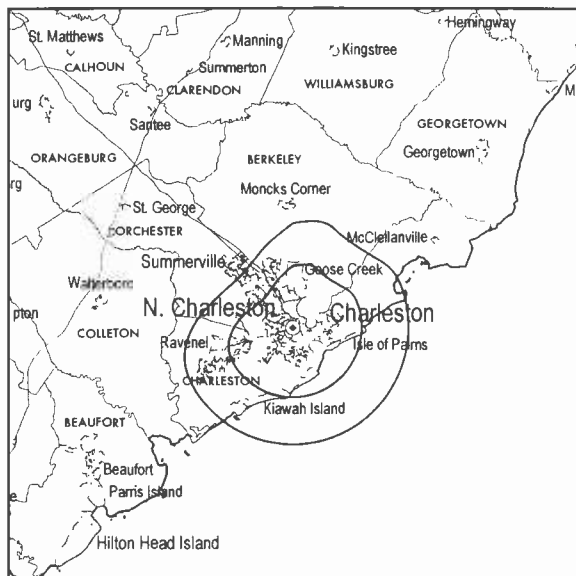
WAVF 96.1 100/538



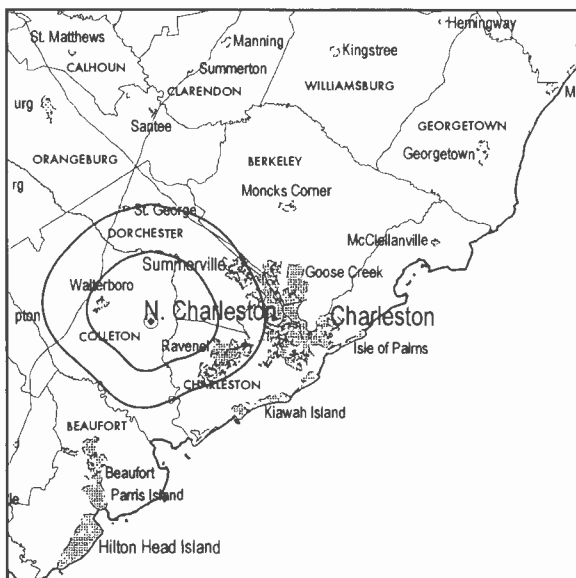
WJZK 96.9 100/1770



WYBB 98.1 50/479



WSUY 100.5 17.5/394



WPAL 100.9 25/328

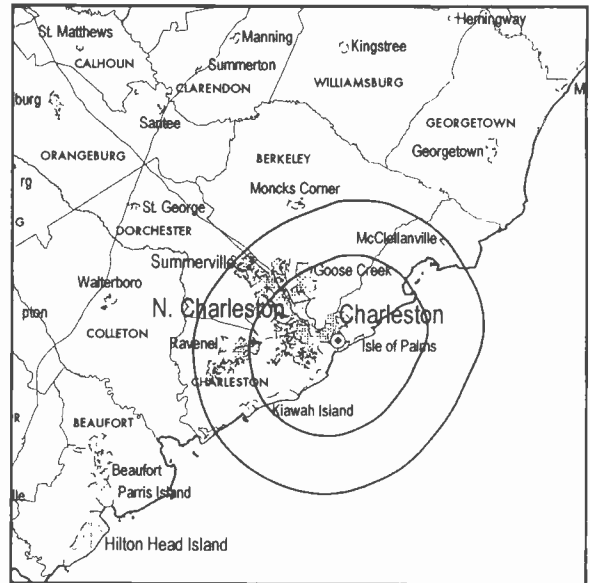


WMGL 101.7 6.5/423

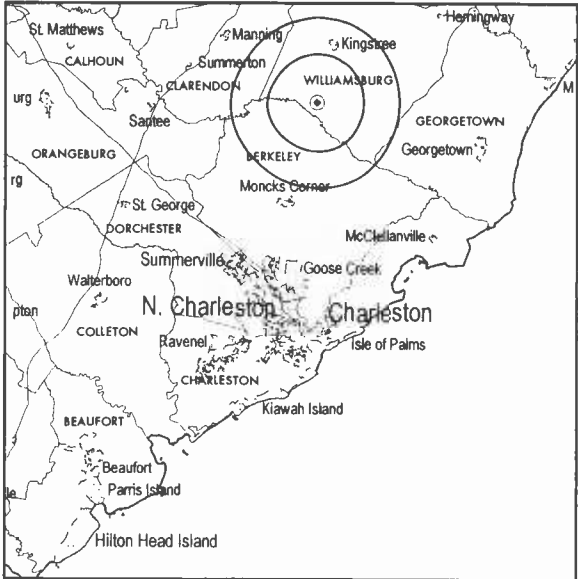
CHARLESTON, SC



WEZL 103.5 100/661



WRFQ 104.5 28/656



WTUA 106.1 6/328



WBUB 107.5 100/984

CHARLOTTE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WCCJ 232 Heathway Dr., Charlotte City of License: Harrisburg, NC	L	92.7	A	5.30	No	348	106	391	35 16 20	80 45 54
WNKS Near Dallas, NC, N of Gastonia City of License: Charlotte, NC	L	95.1	C	100.00	No	1542	470	1949	35 21 44	81 09 19
WXRC Near Denver, Lincoln County, 0.3 mil. from junction of NC 73 and NC 1385 City of License: Hickory, NC	L	95.7	C	100.00	Yes	1020	311	1082	35 27 16	81 03 46
WWMG On tower with WNKS 95.1 City of License: Shelby, NC	L	96.1	C	100.00	Yes	1745	530	1949	35 21 44	81 09 19
WTDR 2.6 mi. S of Mooresville, 2.5 mi. NE of Davidson City of License: Statesville, NC	L	96.9	C	100.00	Yes	1548	472	1539	35 31 57	80 47 47
WPEG On tower with WNKS 95.1 City of License: Concord, NC	L	97.9	C	95.00	Yes	1610	491	1949	35 21 44	81 09 19
WBT Armenia Rd., near Lowrys, Chester County, SC City of License: Chester, SC	L	99.3	C3	7.60	No	604	184	515	34 47 29	81 16 01
WRFX Ch. 42 tower, Newell, NC City of License: Kannapolis, NC	L	99.7	C1	84.00	Yes	1056	322	1247	35 17 14	80 41 45
WBAV Crowder's Mtn., S of I-85, W of Gastonia City of License: Gastonia, NC	L	101.9	C	100.00	No	988	301	269	35 13 56	81 16 35
WLYT Lincoln County line, near Alexis, NC City of License: Hickory, NC	L	102.9	C1	31.00	No	1535	468	1503	35 24 26	81 07 47
WSOC Ch. 9 tower, NE of Charlotte near Newell City of License: Charlotte, NC	L	103.7	C	100.00	No	1059	320	1076	35 15 41	80 43 38
WSSS Ch. 58 tower, Hood Rd., Newell City of License: Charlotte, NC	L	104.7	C	100.00	Yes	1210	369	1341	35 15 06	80 41 12
WNMX Niven Rd. (SC 125), SE of junction with US 521, Lancaster County, SC City of License: Waxhaw, NC	L	106.1	C3	20.00	Yes	364	111	240	34 53 01	80 47 37
WEND Young's Mtn., E of Cleveland, NC City of License: Salisbury, NC	L	106.5	C	100.00	No	1003	306	737	35 44 11	80 38 52

CHARLOTTE

WEND CP C 106.5 C1 65.00 No 1047 319 1033 35 35 32 86 37 44

Lipe Rd., 3 mi. WNW of China Grove, Rowan County

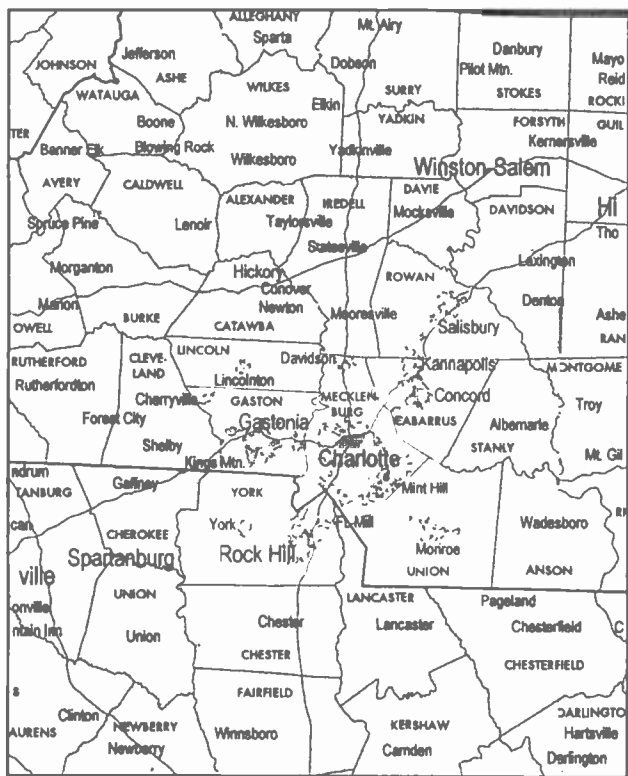
City of License: Salisbury, NC

WWSN L 107.9 C 100.00 No 1694 516 2000 35 21 51 81 11 13

Ch. 3 tower, near Dallas, N of Gastonia

City of License: Charlotte, NC

Market overview/update: One of the move-in capitals of America, Charlotte already had absorbed no fewer than eight viable move-in signals when our last book was published in 1989. In the interim, WPEG has upgraded from a 500' tower in Concord to a 1600' slot on one of the tall towers in one of Charlotte's two antenna farms. WRFX dropped from Class C to C1, allowing it to move to a TV tower in the Newell antenna farm. Dalton's WEND (formerly WRDX) holds a CP to drop from Class C to C1, which will allow it a transmitter site much closer to Charlotte. WBT-AM is now simulcast on a Chester, SC-based C3 signal. WNMX, another C3, has made some inroads from a tower site just over the South Carolina line. WCCJ recently entered the market as a Class A from a tower on the northeast edge of Charlotte.



ARBITRON METRO AREA

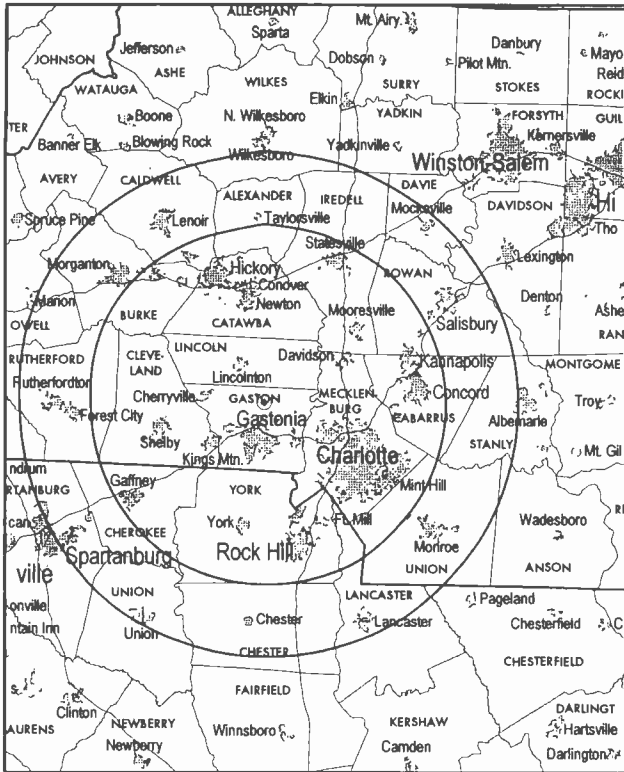


WCCJ

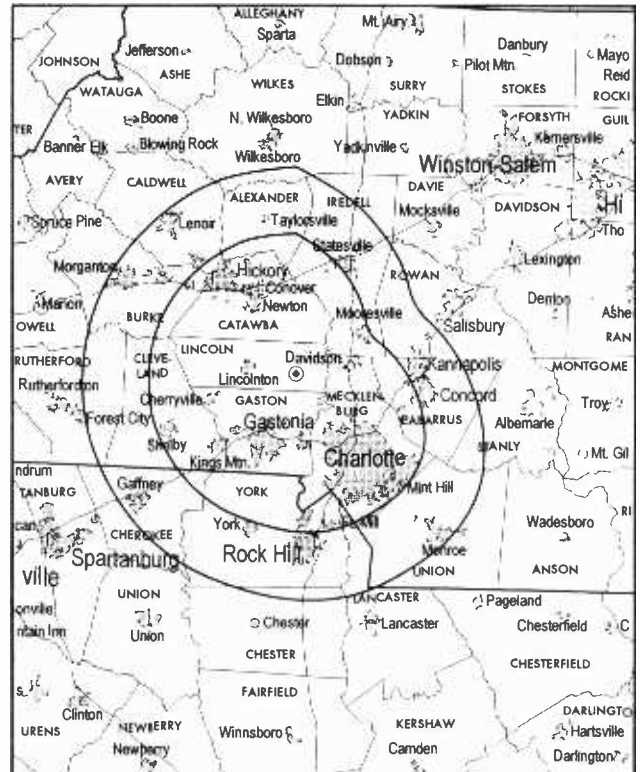
92.7

5.3/348

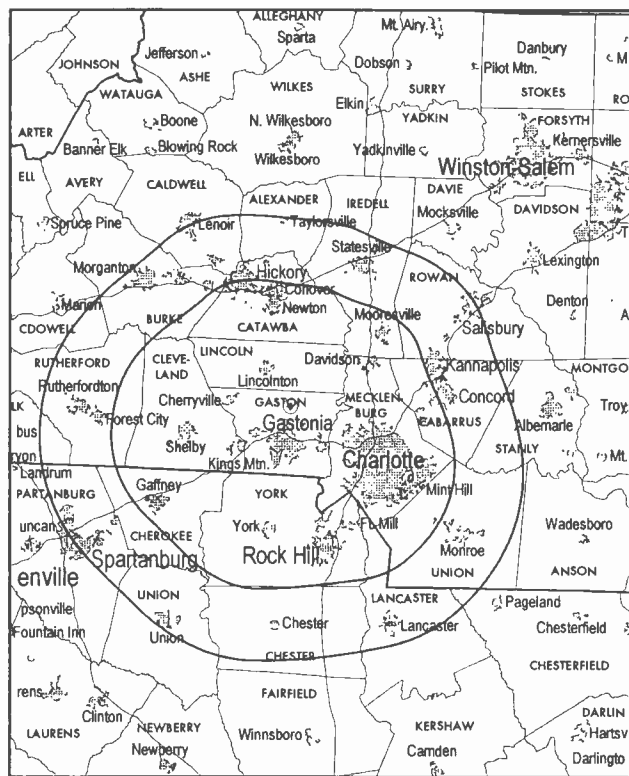
CHARLOTTE



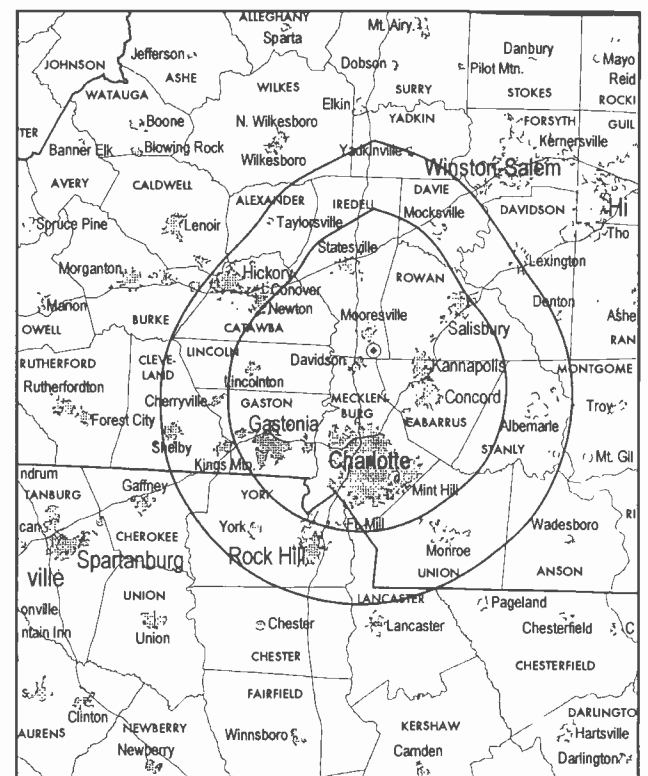
WNKS 95.1 100/1542



WXRC 95.7 100/1020

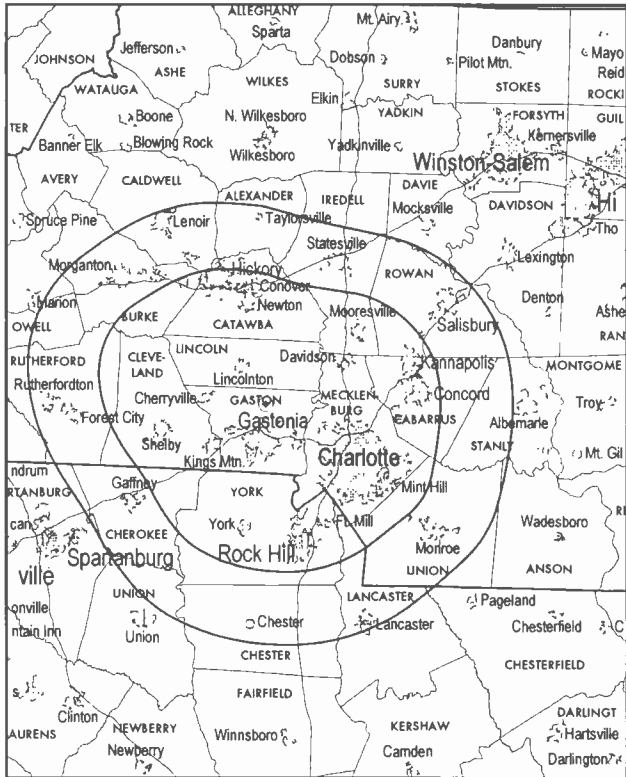


WWMG 96.1 100/1745



WTDR 96.9 100/1548

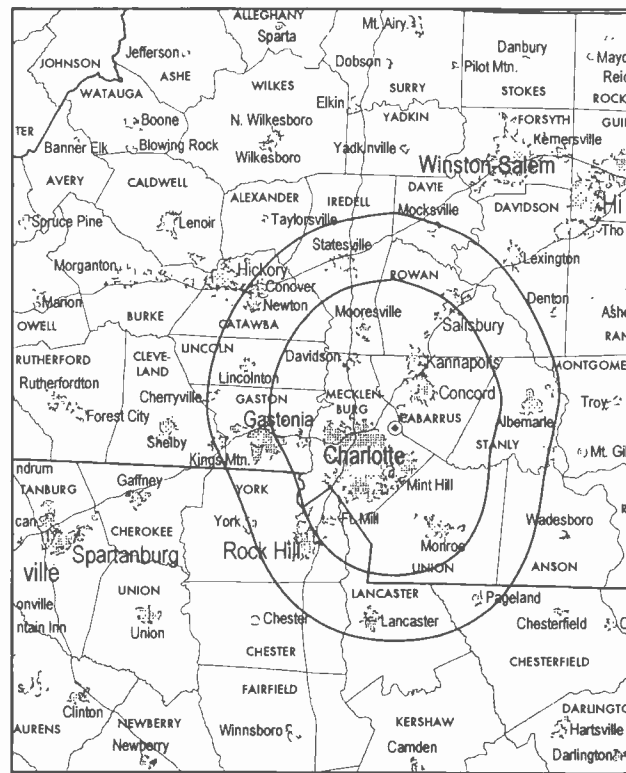
CHARLOTTE



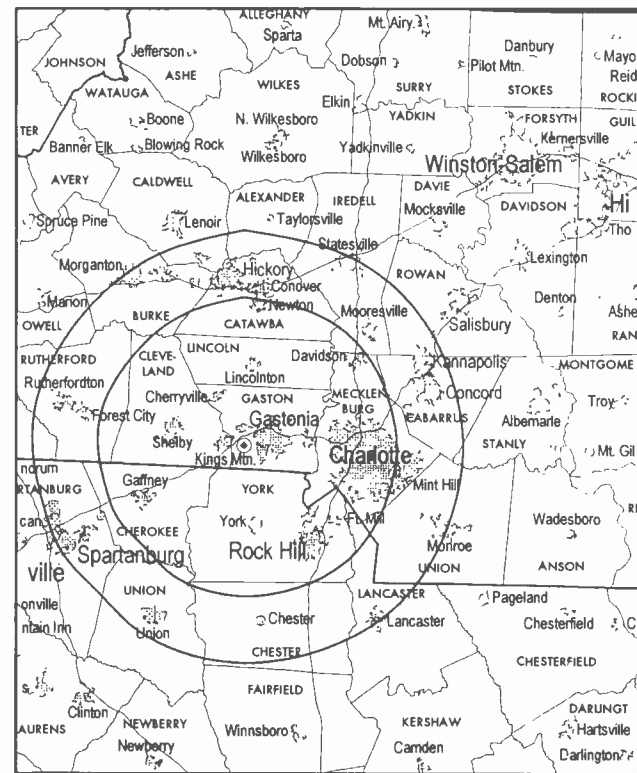
WPEG 97.9 95/1610



WBT 99.3 7.6/604

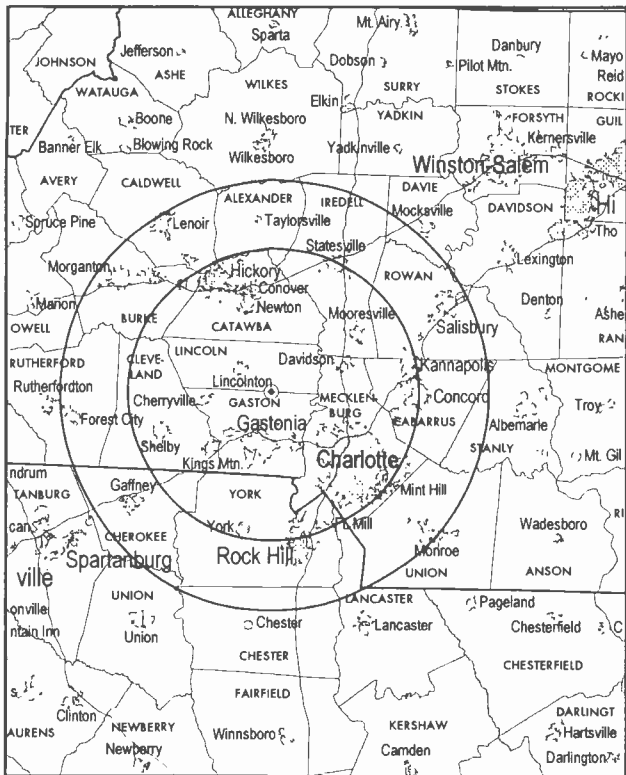


WRFX 99.7 84/1056

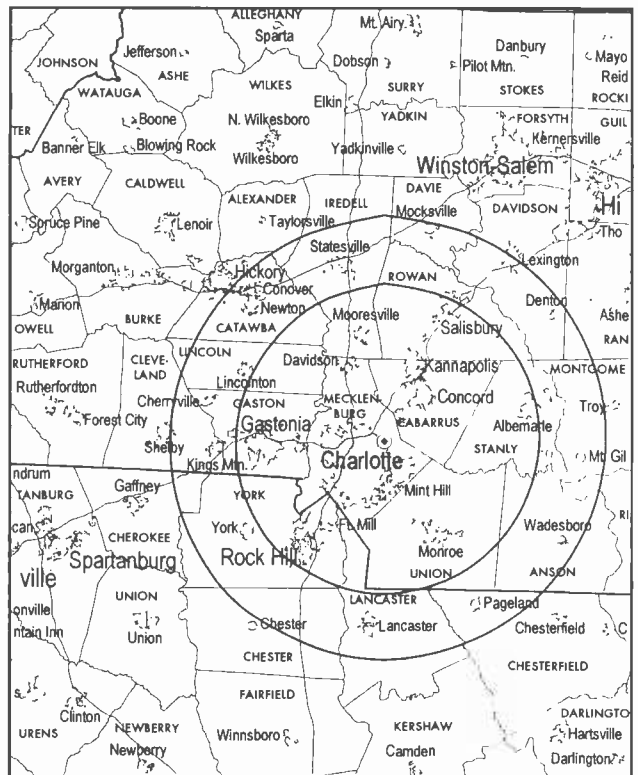


WBAV 101.9 100/988

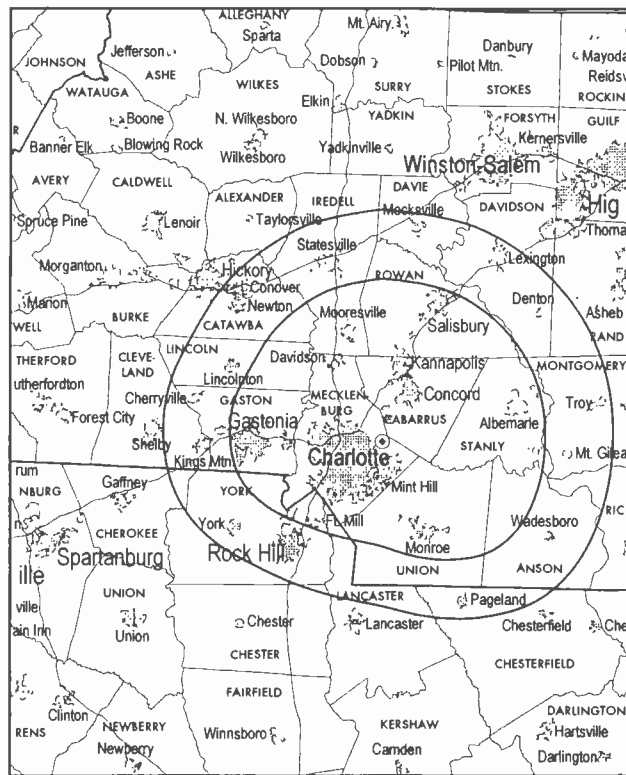
CHARLOTTE



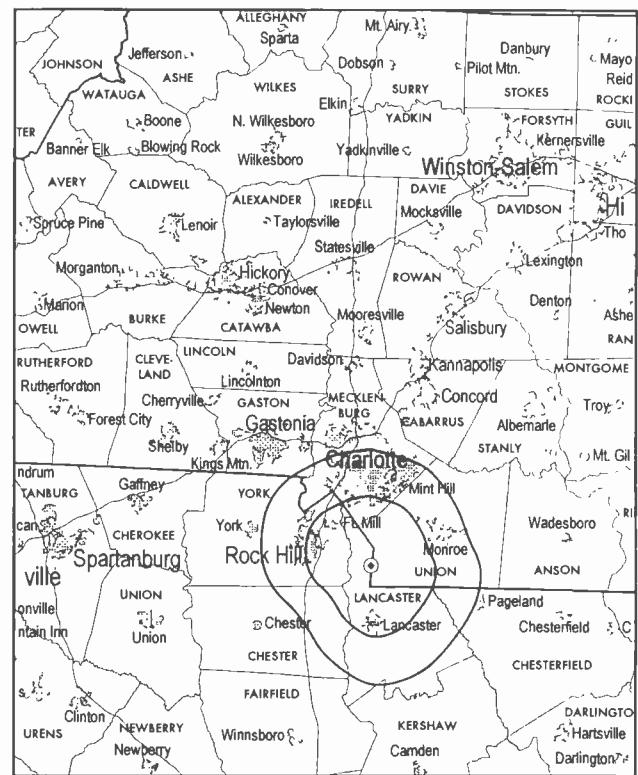
WLYT 102.9 31/1535



WSOC 103.7 100/1059

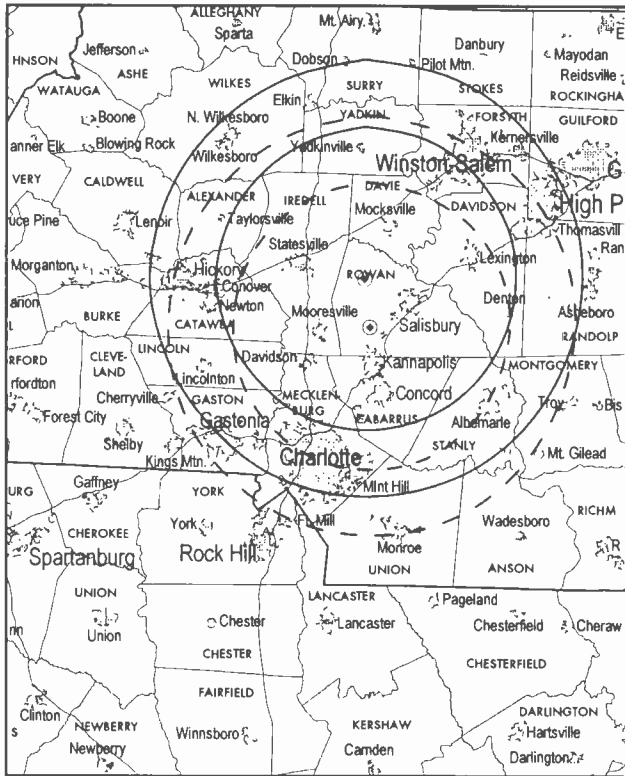


WSSS 104.7 100/1210

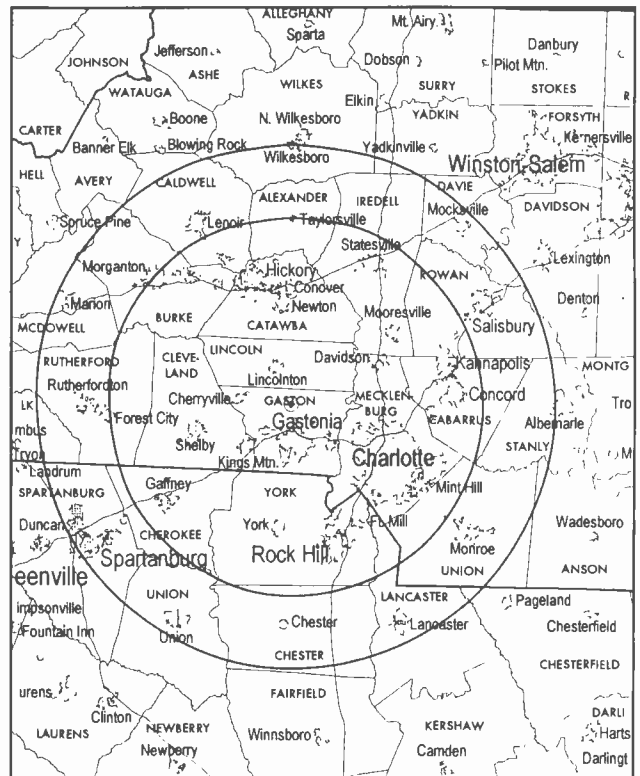


WNMX 106.1 20/364

CHARLOTTE



WEND 106.5 100/1003
WEND CP 106.5 65/1047



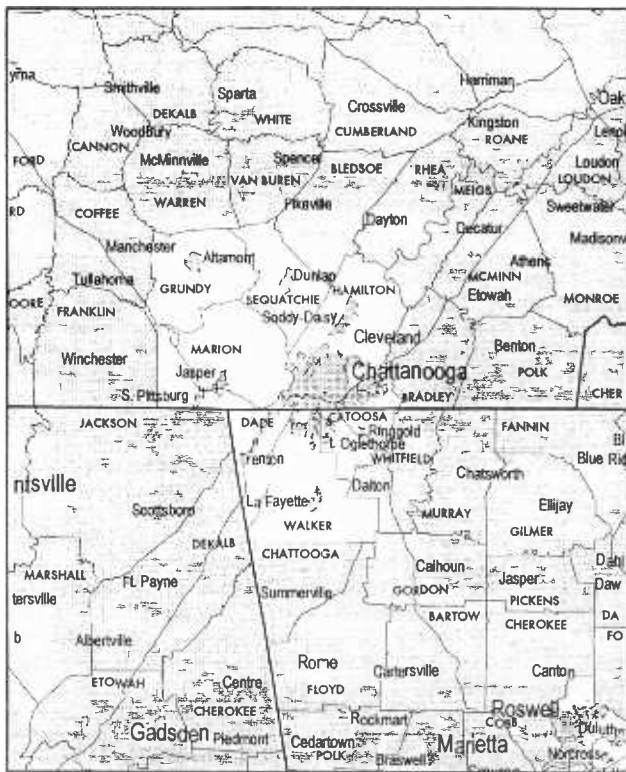
WWSN 107.9 100/1694

CHATTANOOGA

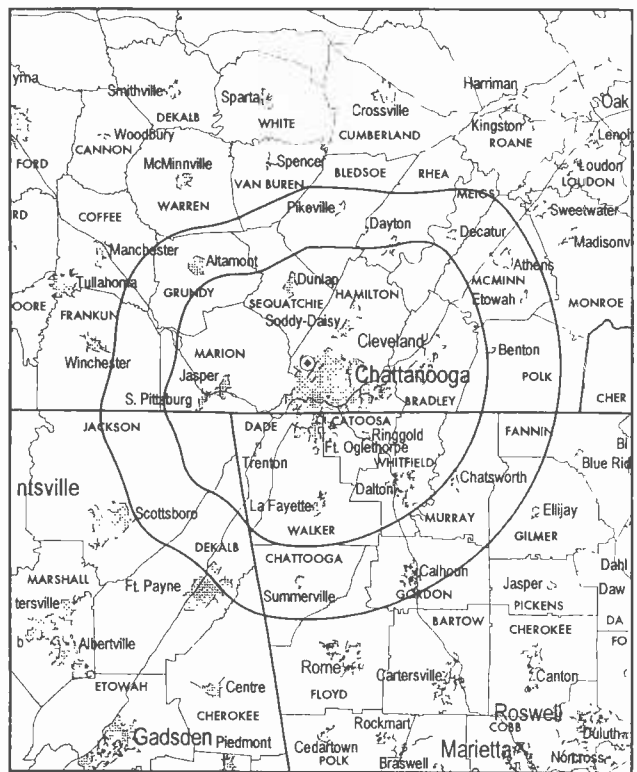
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WDEF Ch. 12 tower, 220 Hampton Rd., Signal Mountain City of License: Chattanooga, TN	L	92.3	C	100.00	No	1180	360	638	35 08 06	85 19 25
WMPZ Peavine Ridge, near the junction of Three Notch Rd. & Poplar Springs Rd., 3.7 mi. SW of Ringgold, GA City of License: Ringgold, GA	L	93.7	A	3.00	No	328	100	135	34 53 51	85 10 25
WJTT 210 Pinehurst, Red Bank City of License: Red Bank, TN	L	94.3	A	3.00	No	300	92	573	35 07 32	85 17 23
WDOD Taft Hwy., Signal Mountain City of License: Chattanooga, TN	L	96.5	C	100.00	No	1076	329	303	35 09 39	85 19 11
WKXJ 0.4 mi. NW of AL 73 and Poplar Bluff Rd., Jackson County, AL City of License: South Pittsburg, TN	L	97.3	C2	16.00	No	866	261	200	34 58 21	85 37 58
WZST Atop Raccoon Mtn., at Hamilton-Marion county line, 2 mi. S of Signal Point Park City of License: Signal Mountain, TN	L	98.1	A	1.00	Yes	794	242	199	35 05 16	85 21 47
WUSY Walden Ridge antenna farm, adj. to Chs. 45 & 61, W of Falling Water City of License: Cleveland, TN	L	100.7	C	100.00	No	1190	363	530	35 12 26	85 17 10
WSGC White Oak Mtn., 0.8 mi. E of junction of GA 151 & Hollow Rd., 3.2 mi. NNE of Ringgold, GA City of License: Ringgold, GA	L	101.9	A	1.30	No	702	214	180	34 58 11	85 05 10
WFXS Top of Cave Spring Ridge, above Harper Rd. City of License: Soddy-Daisy, TN	L	102.3	A	6.00	No	285	87	423	35 11 45	85 13 45
WBDX Lookout Mtn. at High Point, Walker County, GA, 5.6 mi. due E of Trenton, GA City of License: Trenton, GA	L	102.7	A	0.32	No	1375	419	190	34 51 48	85 23 35
WLMX NE of intersection of GA 2 & Mission Ridge Rd., Missionary Ridge, Rossville, GA City of License: Rossville, GA	L	105.5	A	1.55	No	646	197	400	34 57 26	85 17 33
WSKZ Old Anderson Pike at Taft Hwy., Signal Mountain City of License: Chattanooga, TN	L	106.5	C	100.00	No	1076	329	303	35 09 42	85 19 06
WOGT On tower with WSKZ 106.5 City of License: East Ridge, GA	L	107.9	C3	2.85	Yes	968	295	303	35 09 42	85 19 06

CHATTANOOGA

Market overview/update: Drop-ins have almost doubled the number of stations in this market in the 1990's. Every one of the drop-ins operates from a ridge or mountaintop site. As a result, several of the new signals overperform standard coverage contours for their power classes. Nonetheless, all are in the lower power classes, and none comes even close to the coverage of the four full-power Class B operations transmitting from Signal Mountain and Falling Water. In addition, each of the new entrants has at least some signal coverage limitations due to terrain and/or directional/adjacency restrictions.



ARBITRON METRO AREA



WDEF

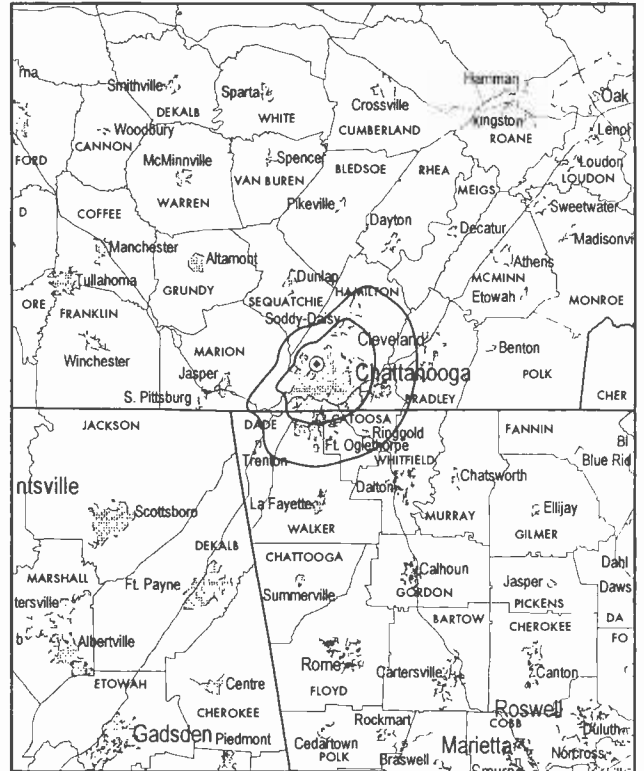
92.3

100/1180

CHATTANOOGA



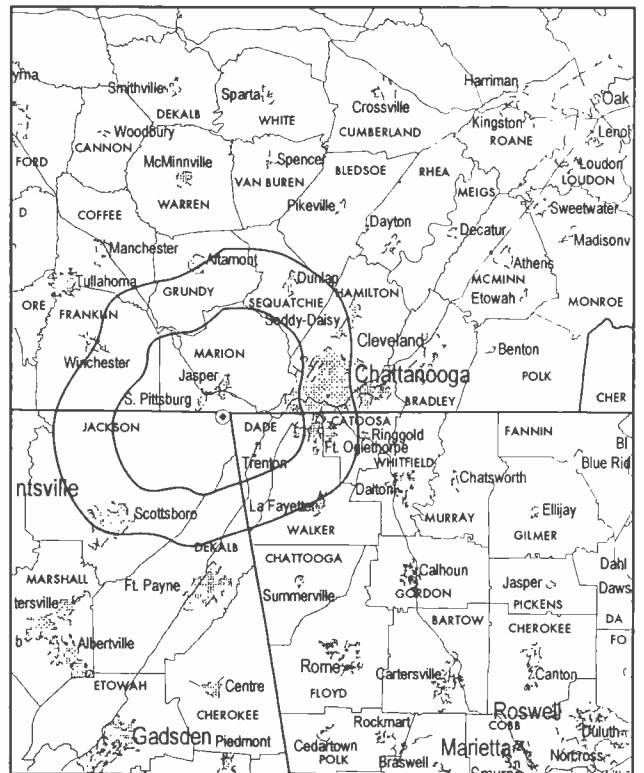
WMPZ 93.7 3/328



WJTT 94.3 3/300



WDOD 96.5 100/1076

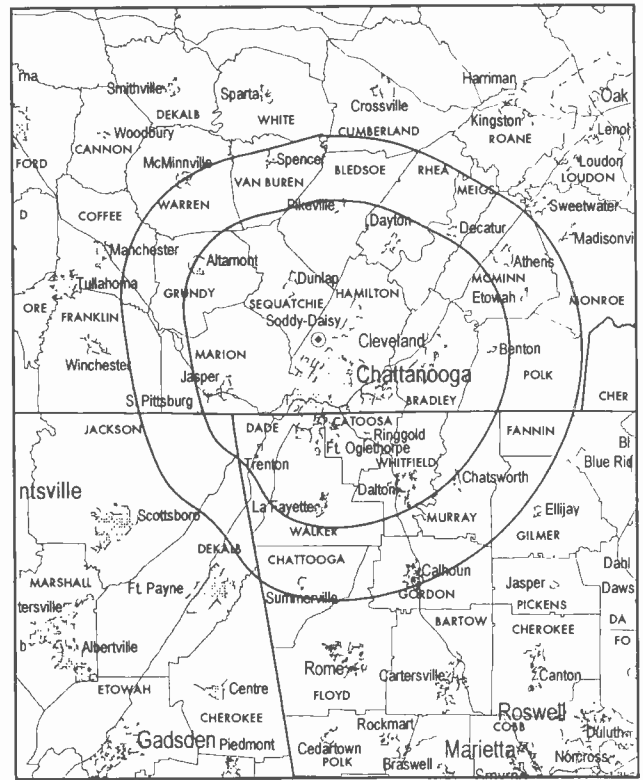


WKXJ 97.3 16/866

CHATTANOOGA



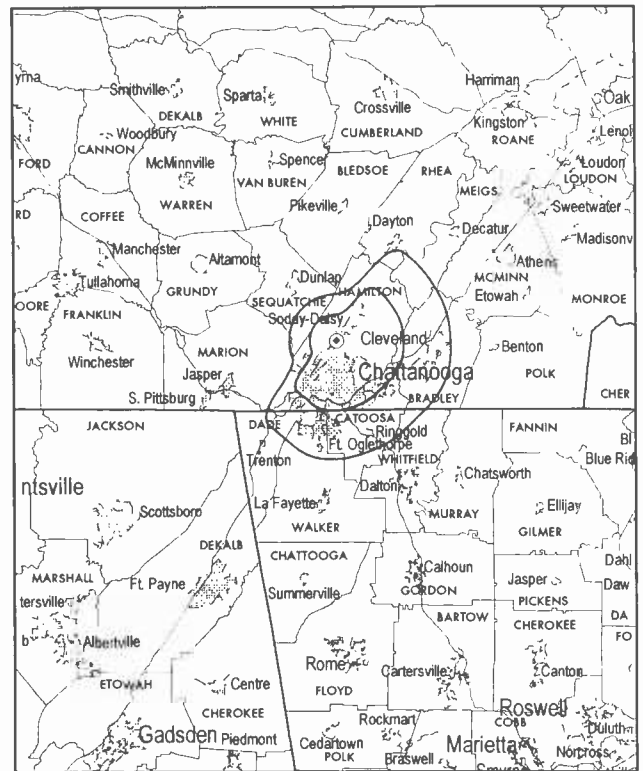
WZST 98.1 1/794



WUSY 100.7 100/1190



WSGC 101.9 1.3/702

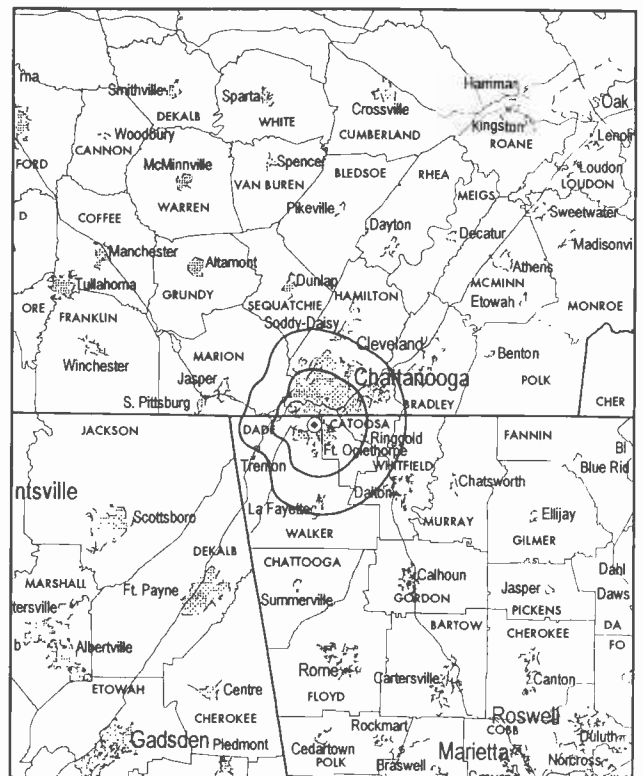


WFXS 102.3 6/285

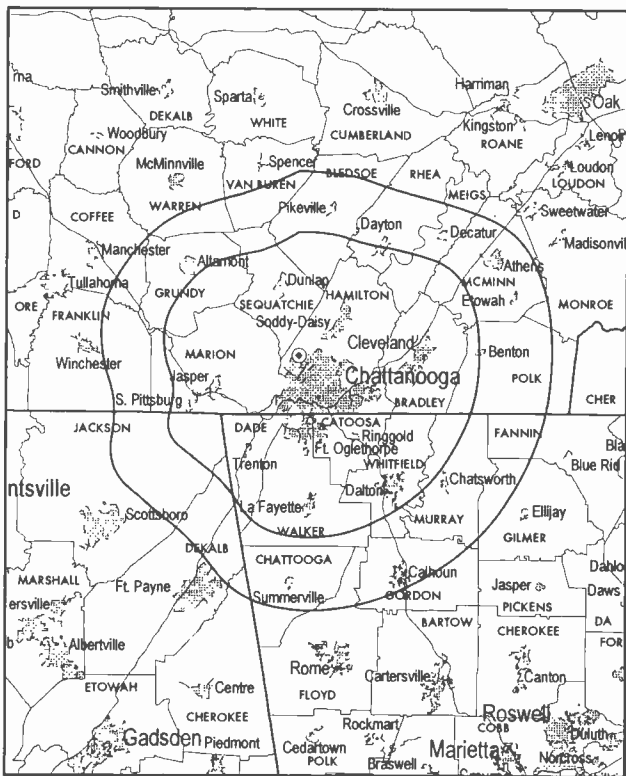
CHATTANOOGA



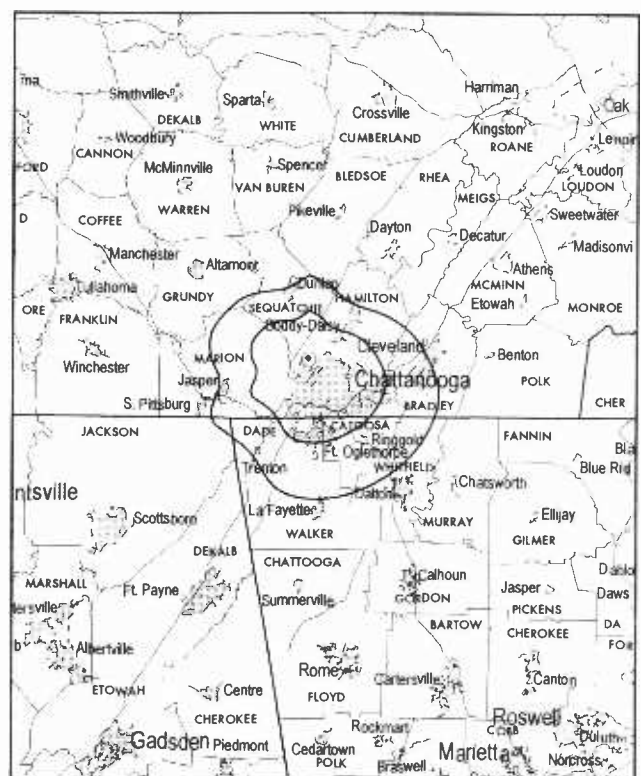
WBDX 102.7 320w/1375



WLMX 105.5 1.55/646



WSKZ 106.5 100/1076



WOGT 107.9 2.85/968

CHICAGO

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WCBR 120 W. University, Arlington Heights City of License: Arlington Heights, IL	L	92.7	A	3.00	No	300	91	322	42 07 50	87 58 59
WXRT John Hancock Center City of License: Chicago, IL	L	93.1	B	6.70	Yes	1308	399	1456	41 53 56	87 37 23
WLIT Sears Tower City of License: Chicago, IL	L	93.9	B	4.00	No	1581	482	1710	41 52 44	87 38 10
WKXK Sears Tower City of License: Chicago, IL	L	94.7	B	4.40	No	1529	466	1710	41 52 44	87 38 10
WNUA John Hancock Center master antenna City of License: Chicago, IL	L	95.5	B	8.30	No	1174	358	1456	41 53 56	87 37 23
WBBM Sears Tower City of License: Chicago, IL	L	96.3	B	4.20	Yes	1555	474	1710	41 52 44	87 38 10
WNIZ Tobin Rd. at WI 31, Kenosha, WI City of License: Zion, IL Note: Simulcasts first-adjacent WNIB 97.1 Chicago	L	96.9	B	50.00	Yes	486	148	462	42 30 36	87 53 11
WNIB Standard Oil Bldg., 200 E. Randolph St. City of License: Chicago, IL Note: Simulcast on first-adjacent WNIZ 96.9 Zion, IL	L	97.1	B	8.40	Yes	1190	363	1184	41 53 08	87 37 15
WLUP John Hancock Center master antenna City of License: Chicago, IL	L	97.9	B	6.00	No	1174	358	1456	41 53 56	87 37 23
WFMT John Hancock Center master antenna City of License: Chicago, IL	L	98.7	B+	15.50	No	1174	358	1456	41 53 56	87 37 23
WUSN John Hancock Center master antenna City of License: Chicago, IL	L	99.5	B	8.30	No	1174	358	1456	41 53 56	87 37 23
WPNT John Hancock Center master antenna City of License: Chicago, IL	L	100.3	B	8.30	No	1174	358	1456	41 53 56	87 37 23
WKQX John Hancock Center master antenna City of License: Chicago, IL	L	101.1	B	8.30	No	1174	358	1456	41 53 56	87 37 23

CHICAGO

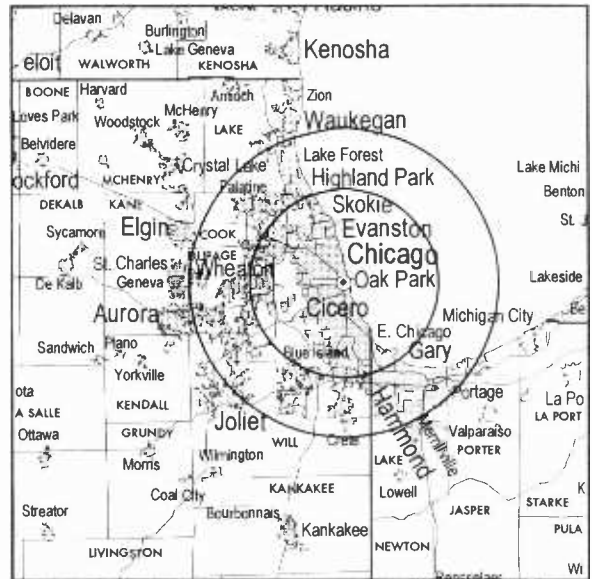
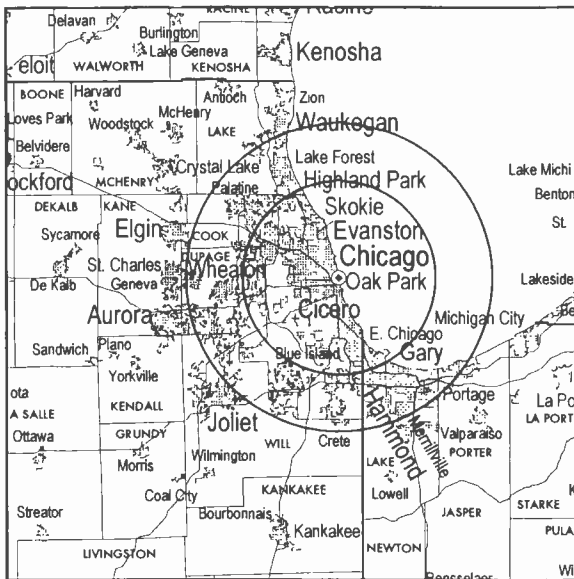
WTMX Sears Tower City of License: Skokie, IL	L	101.9	B	4.20	No	1558	475	1710	41 52 44	87 38 10
WVAZ John Hancock Center master antenna City of License: Oak Park, IL	L	102.7	B	6.00	No	1174	358	1456	41 53 56	87 37 23
WVVX 210 Skokie Valley Rd., Highland Park City of License: Highland Park, IL	L	103.1	A	3.00	No	245	75	238	42 09 24	87 48 20
WRCX Sears Tower City of License: Chicago, IL	L	103.5	B	4.10	No	1575	480	1710	41 52 44	87 38 10
WJMK Sears Tower City of License: Chicago, IL	L	104.3	B	4.10	No	1568	478	1710	41 52 44	87 38 10
WOJO John Hancock Center master antenna City of License: Evanston, IL	L	105.1	B	8.30	No	1174	358	1456	41 53 56	87 37 23
WCKG Sears Tower City of License: Elmwood Park, IL	L	105.9	B	4.10	Yes	1581	482	1710	41 52 44	87 38 10
WEJM 2915 Bernice St., Lansing City of License: Lansing, IL	L	106.3	A	2.00	No	397	121	420	41 34 44	87 32 46
WYLL 11 W. Dundee Rd., Des Plaines City of License: Des Plaines, IL	L	106.7	B	50.00	No	300	91	344	42 08 10	87 58 55
WGCI Kemper Bldg., 20 N. Wacker Dr. City of License: Chicago, IL	L	107.5	B	33.00	No	603	183	628	41 52 57	87 38 15
WYSY WMAQ-AM tower, Army Trail, just E of Bloomingdale Rd., Bloomingdale, IL City of License: Aurora, IL	L	107.9	B	21.00	Yes	761	232	748	41 56 01	88 04 23

Market overview/update: From a signal competition standpoint, one of the most stable markets in the country throughout the entire deregulatory era. Among major FM signals, the playing field is remarkably level. Almost all of the FMs in the market are standard power Class B operations transmitting from either the John Hancock Center or the Sears Tower. Only WFMT is grandfathered at a power level in excess of current Class B limits. Most conspicuous recent upgrade: WYSY from a 700' tower in Aurora to the top of the WMAQ-AM tower in Bloomingdale, much closer to the bulk of Chicago's population. Also of note: several of the Class Bs on the John Hancock tower have jumped from 6-kw to 8.3-kw. 6-kw was the maximum power allowed at 1174' when the Hancock building was built, and the multi-station combiner had been designed for that power. A new combiner has been installed, allowing several stations to increase power to the slightly higher levels which the FCC has allowed for several years. All Sears Tower stations operate with full Class B equivalent power.

CHICAGO



ARBITRON METRO AREA



JOHN HANCOCK CENTER MASTER ANTENNA

WNUA	95.5	8.3/1174
WUSN	99.5	8.3/1174
WPNT	100.3	8.3/1174
WKQX	101.1	8.3/1174
WOJO	105.1	8.3/1174

SEARS TOWER

WLIT	93.9	4/1581
WKXK	94.7	4.4/1529
WTMX	101.9	4.2/1558
WRCX	103.5	4.1/1575
WJMK	104.3	4.1/1568

CHICAGO



WCBR 92.7 3/300



WXRT 93.1 6.7/1308



WBBM 96.3 4.2/474



WNIZ 96.9 50/486
WNIB 97.1 8.4/1190



WLUP 97.9 6/1174

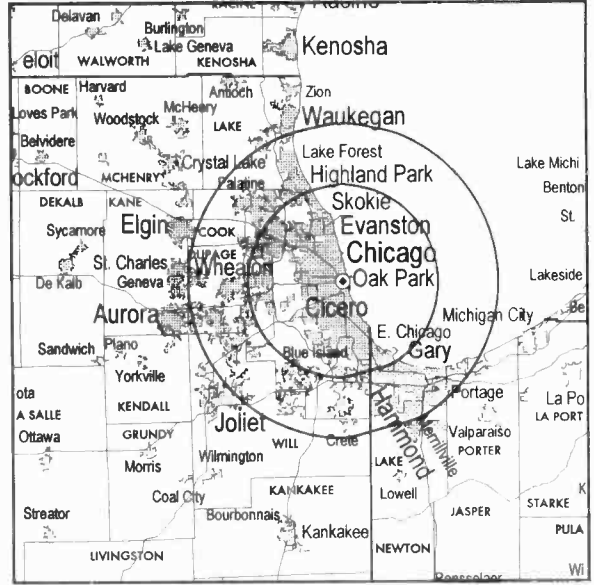


WFMT 98.7 15.5/1174

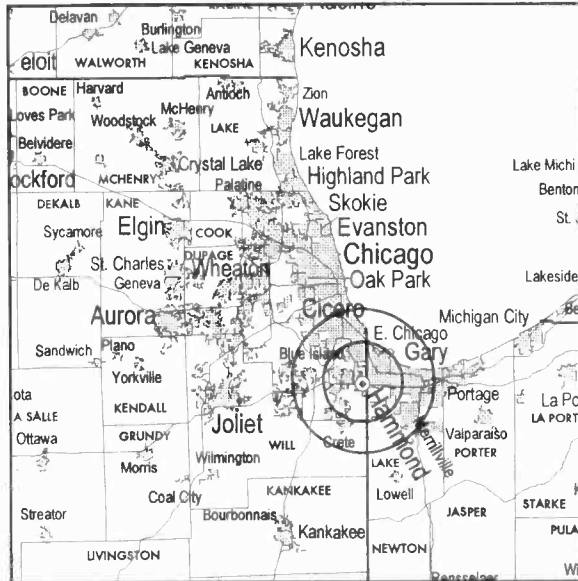
CHICAGO



WVX 103.1 3/245



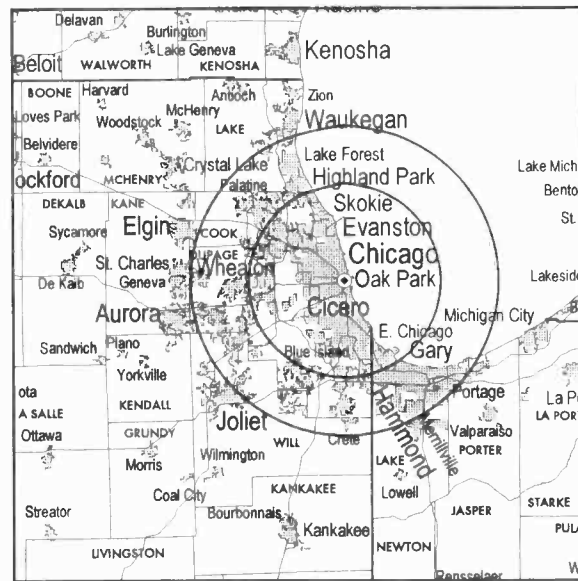
WCKG 105.9 4.1/1581



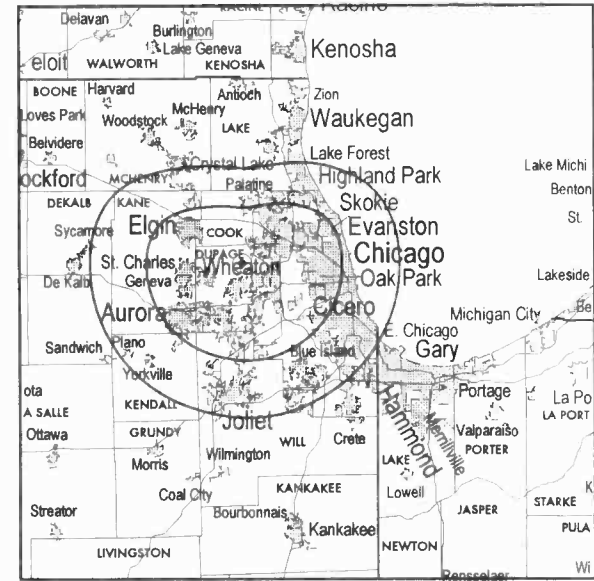
WEJM 106.3 2/397



WYLL 106.7 50/300



WGCI 107.5 33/603



WYSY 107.9 21/761

CINCINNATI

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WOFX Ch. 19 tower, Bald Knob, near State Ave., Cincinnati City of License: Cincinnati, OH	L	92.5	B	15.80	No	905	276	1022	39 07 19	84 32 52
WAKW 6275 Collegevue Pl., N of W. North Bend Rd., College Hill, Cincinnati City of License: Cincinnati, OH	L	93.3	B	50.00	Yes	492	150	322	39 12 22	84 33 23
WWNK 2601 W. 8th St. at Matson Pl., crest of Price Hill, Cincinnati City of License: Cincinnati, OH	L	94.1	B	32.00	No	600	183	523	39 06 18	84 33 24
WVAE Ch. 64 tower, Winton Rd. at North Bend Rd., Cincinnati City of License: Fairfield, OH	L	94.9	B	10.50	No	1056	322	955	39 12 01	84 31 22
WYGY WLW-AM tower, 710 Tylersville Rd., Mason, OH City of License: Hamilton, OH	L	96.5	B	19.50	No	810	247	744	39 21 11	84 19 30
WMMA OH 3/US 22, just E of OH 48, 3 mi. W of Morrow, OH City of License: Lebanon, OH	L	97.3	A	2.15	No	387	118	500	39 20 57	81 12 08
WRRM Ch. 19 tower, below WOFX 92.5 City of License: Cincinnati, OH	L	98.5	B	18.00	No	808	246	1022	39 07 19	84 32 52
WIZF On tower with WWNK 94.1 City of License: Cincinnati, OH	L	100.9	A	1.25	No	508	155	523	39 06 18	84 33 24
WKRQ Ch. 12 tower, 1906 Highland Ave., Mt. Auburn, Cincinnati City of License: Cincinnati, OH	L	101.9	B	16.20	No	874	267	971	39 06 58	84 30 05
WEBN Ch. 9 tower, 2345 Symmes St., Cincinnati City of License: Cincinnati, OH	L	102.7	B	16.50	No	905	276	903	39 07 31	84 29 57
WGRR Ch. 64 tower with WVAE 94.9 City of License: Hamilton, OH	L	103.5	B	10.00	Yes	1037	316	955	39 12 01	84 31 22
WUBE Ch. 9 tower, with WEBN 102.7 City of License: Cincinnati, OH	L	105.1	B	14.50	No	920	279	903	39 07 31	84 29 57
WAQZ Little Dry Run Rd., Newtown, OH City of License: Milford, OH	L	107.1	A	3.00	No	300	91	150	39 06 16	84 20 10

CINCINNATI

Two major upgrades: WVAE (94.9) and WGRR (103.5). Since our last edition, each has moved from towers well to the north of the city to the new Ch. 64 tower in Cincinnati. Both have become essentially 100% competitive. A couple of Class A's have entered the market from outlying towns. Of these, WMMA in Lebanon covers the highest percentage of Cincinnati's population.



ARBITRON METRO AREA



WOFX 92.5 15.8/905

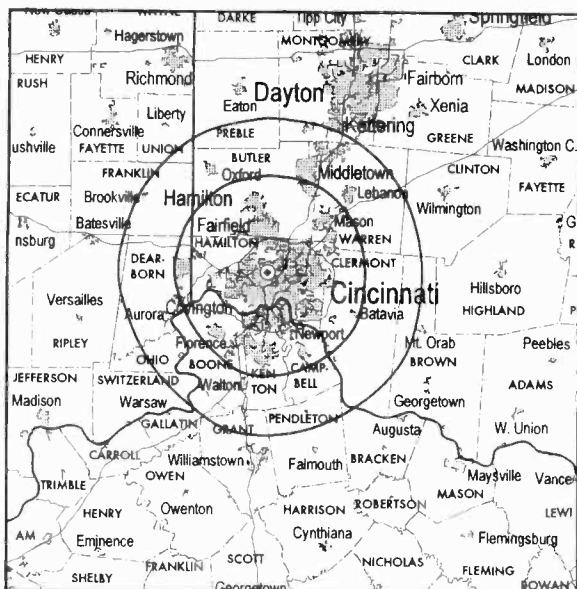


WAKW 93.3 50/492

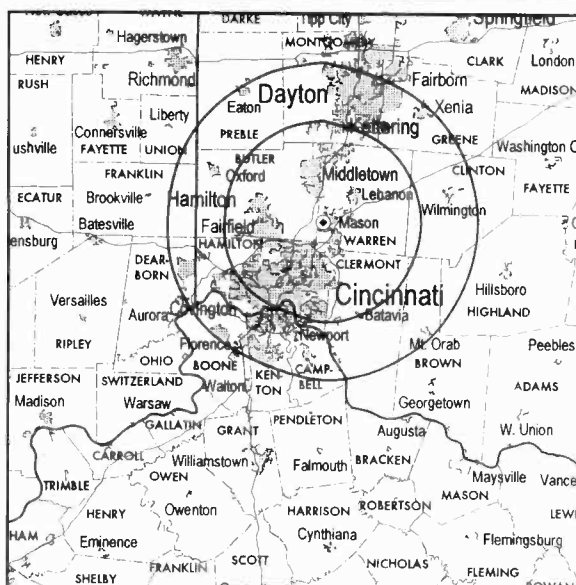


WWNK 94.1 32/600

CINCINNATI



WWAE 94.9 10.5/1056



WYGY 96.5 19.5/810



WMMA 97.3 2.15/387



WRRM 98.5 18/808



WIZF 100.9 1.25/508

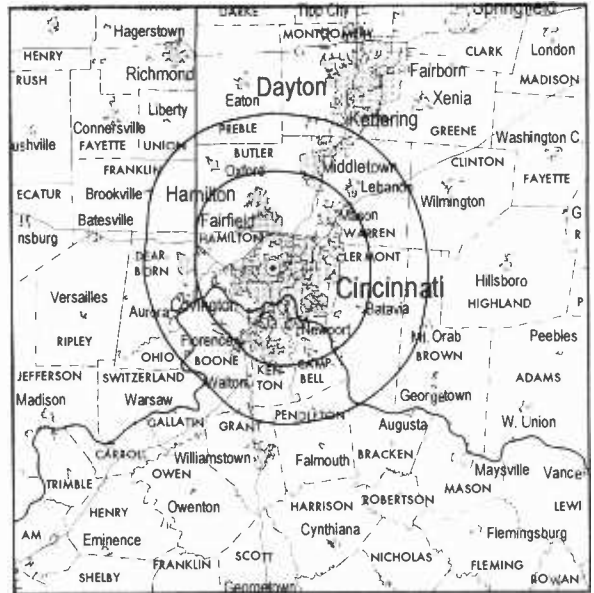


WKRQ 101.9 16.2/874

CINCINNATI



WEBN 102.7 16.5/905



WGRR 103.5 10/1037



WUBE 105.1 14.5/920



WAQZ 107.1 3/300

CLEVELAND

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WZJM WCLV 95.5 tower, Warrensville Heights City of License: Cleveland Heights, OH	L	92.3	B	40.00	Yes	548	167	498	41 26 32	81 29 28
WZAK WWWE-AM tower, 8200 Snowville Rd., City of License: Cleveland, OH	L	93.1	B	27.50	No	623	189	465	41 16 50	81 37 22
WCLV 26501 Emery Industrial Pkwy., Warrensville Heights City of License: Cleveland, OH	L	95.5	B	31.00	No	620	189	498	41 26 32	81 29 28
WNCX Ch. 25 tower, adjacent to WERE-AM array, 9466 Ridge Rd., N. Royalton City of License: Cleveland, OH	L	98.5	B+	16.00	No	961	293	814	41 20 28	81 44 24
WGAR 7118 State Rd., Parma City of License: Cleveland, OH	L	99.5	B	50.00	No	500	152	316	41 22 18	81 43 04
WMMS WHK-AM tower, 3600 E. Pleasant Valley Rd., Seven Hills City of License: Cleveland, OH	L	100.7	B	34.00	No	600	183	413	41 21 30	81 40 03
WDOK Ch. 61 tower, 2861 W. Ridgewood Dr., Parma City of License: Cleveland, OH	L	102.1	B	12.00	No	1005	306	1029	41 23 02	81 42 06
WQAL With Ch. 43 & WLTF 106.5 on candelabra tower, 4800 Bruening Dr., Parma City of License: Cleveland, OH	L	104.1	B	11.00	No	1060	323	919	41 22 45	81 43 12
WMJI Ch. 55 (Akron) tower, 2855 W. Ridgewood, 0.7 mi. SW of intersection with Broadview, Parma City of License: Cleveland, OH	L	105.7	B+	16.00	No	1129	344	1132	41 23 02	81 41 44
WLTF On tower with WQAL 104.1 City of License: Cleveland, OH	L	106.5	B	11.50	No	1037	316	919	41 22 45	81 43 12
WNWV Adjacent to WEOL-AM array, Island Rd., 2.8 mi. E of Grafton, OH City of License: Elyria, OH	L	107.3	B	50.00	No	466	142	499	41 16 10	82 00 16
WENZ 14781 Sperry Rd., off OH 87, between Russell and Newbury, OH City of License: Cleveland, OH	L	107.9	B	15.80	Yes	892	272	750	41 27 54	81 17 13

Market overview/update: Only one upgrade resulting in a new, fully-competitive signal: WZJM (formerly WRQC) moved from a 235' tower in Cleveland Heights to the much-taller and better-situated WCLV tower in Warrensville Heights. WNCX, a grandfathered operation, dropped from 40-kw to 16-kw, but moved from 600' to 961'. WMJI, also a grandfathered "superpower" station, dropped from 27-kw to 16-kw and went from 900' to 1129'. Both are at better sites, though their theoretical coverage remains essentially the same as their previously-licensed parameters.

CLEVELAND



ARBITRON METRO AREA



WZJM 92.3 40/548



WZAK 93.1 27.5/623



WCLV 95.5 31/620



WNCX 98.5 16/961



WGAR 99.5 50/500

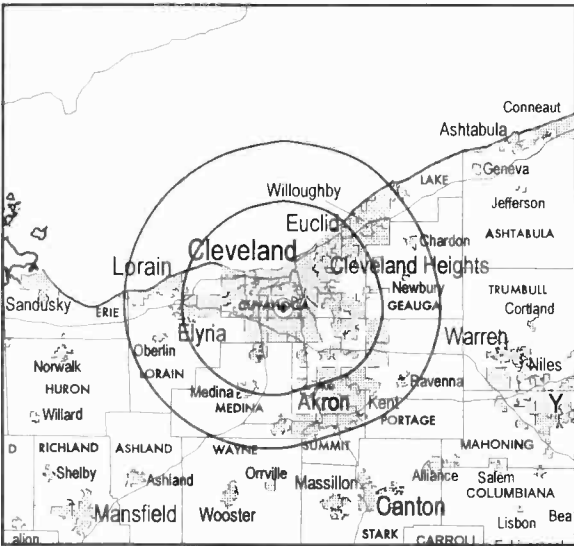
CLEVELAND



WMMS 100.7 34/600

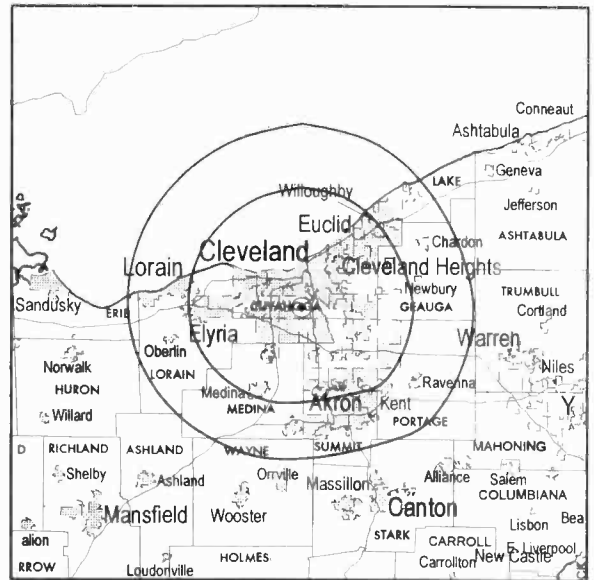


WDOK 102.1 12/1005



WQAL 104.1 11/1060

WLTF 106.5 11.5/1037



WMJI 105.7 16/1129



WNWW 107.3 50/466



WENZ 107.9 15.8/892

COLORADO SPRINGS

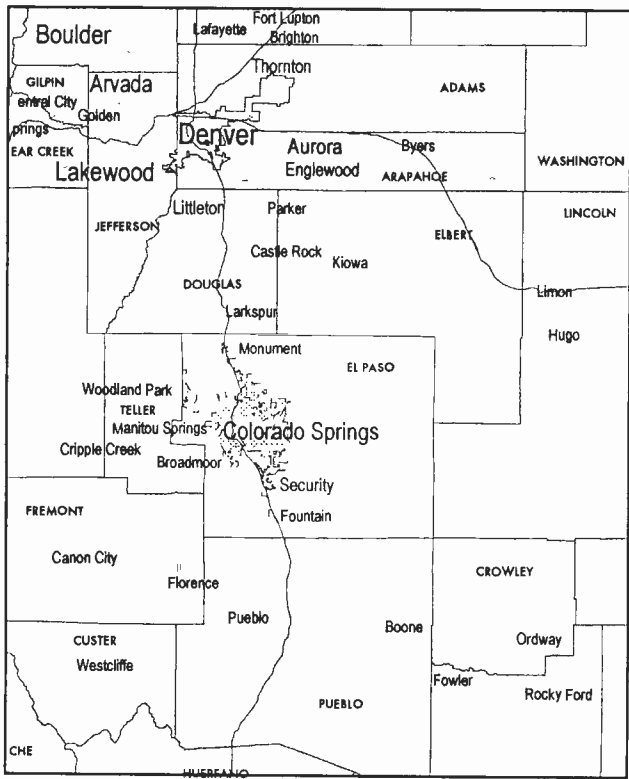
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KSPZ Cheyenne Mtn. antenna farm, 5 mi. SW of downtown Colorado Springs (El. 9450') City of License: Colorado Springs, CO	L	92.9	C	72.00	No	2130	649	100	38 44 44	104 51 39
KILO Cheyenne Mtn. antenna farm City of License: Colorado Springs, CO	L	94.3	C	83.00	No	2110	643	120	38 44 44	104 51 43
KRDO Ch. 13 tower, Cheyenne Mtn. antenna farm City of License: Colorado Springs, CO	L	95.1	C	96.00	No	2010	613	153	38 44 47	104 51 37
KBIQ Cheyenne Mtn. antenna farm City of License: Fountain, CO	L	96.1	C3	0.51	No	2014	614	39	38 44 47	104 51 37
KCCY Cheyenne Mtn. antenna farm City of License: Pueblo, CO	L	96.9	C	72.00	No	2280	695	331	38 44 43	104 51 41
KKFM Cheyenne Mtn. antenna farm City of License: Colorado Springs, CO	L	98.1	C	71.00	No	2290	698	283	38 44 36	104 51 44
KKMG Cheyenne Mtn. antenna farm City of License: Pueblo, CO	L	98.9	C	70.00	No	2300	701	351	38 44 41	104 51 41
KKMG CP On antenna with KCCY 96.9 and KKCS 101.9 , Cheyenne Mtn. antenna farm City of License: Pueblo, CO	C	98.9	C	72.00	No	2280	695	331	38 44 43	104 51 41
KVUU On tower with KIKX 102.7, Cheyenne Mtn. antenna farm City of License: Pueblo, CO	L	99.9	C	68.00	No	2000	610	103	38 44 47	104 51 37
KGFT Cheyenne Mtn. antenna farm City of License: Pueblo, CO	L	100.7	C1	13.00	No	2123	647	180	38 44 42	104 51 39
KKCS On antenna with KCCY 96.9, Cheyenne Mtn. antenna farm City of License: Colorado Springs, CO	L	101.9	C	72.00	No	2280	695	331	38 44 43	104 51 41
KIKX On tower with KVUU 99.9, Cheyenne Mtn. antenna farm City of License: Manitou Springs, CO	L	102.7	C	100.00	No	2000	610	103	38 44 47	104 51 37
KIKX CP On antenna with KCCY 96.9 and KKCS 101.9, Cheyenne Mtn. antenna farm City of License: Manitou Springs, CO	C	102.7	C	72.00	No	2280	695	331	38 44 43	104 51 41
KHII Cheyenne Mtn. antenna farm City of License: Security, CO	L	105.5	C3	0.41	No	2228	679	220	38 44 40	104 51 41

COLORADO SPRINGS

KKLI L 106.3 C2 1.60 No 2224 678 203 38 44 41 104 51 46

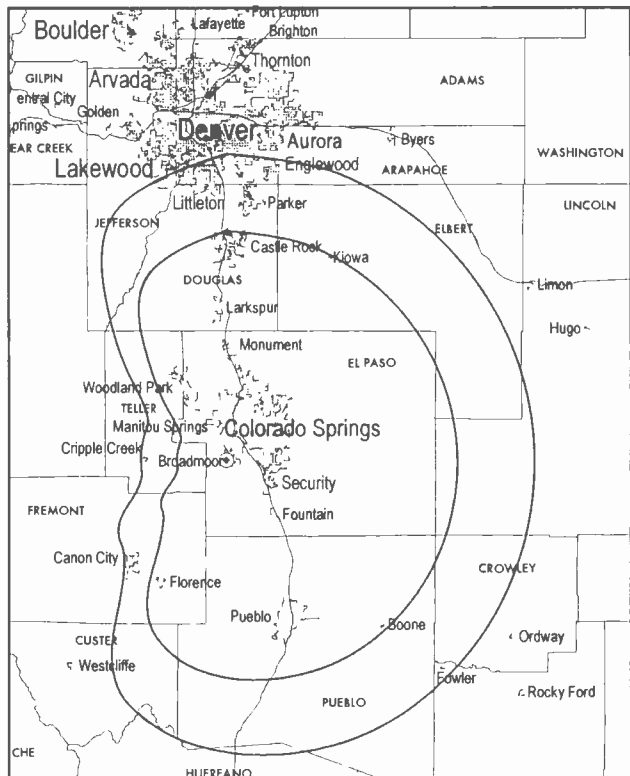
Cheyenne Mtn. antenna farm
City of License: Widefield, CO

Market overview/update: Every single FM station which makes a significant showing in Colorado Springs transmits from the Cheyenne Mountain antenna farm - generally a fine transmitter site, with shadowing concerns only in small sections of the metro, mostly northwest of the city. Interesting side note: Stations in all 4 of the "C" power classifications transmit from Cheyenne Mountain (C, C1, C2 and C3). To our knowledge, this is the only place in the "C" zone (FCC Zone II) where this occurs at one site, allowing for an interesting instant coverage comparison.

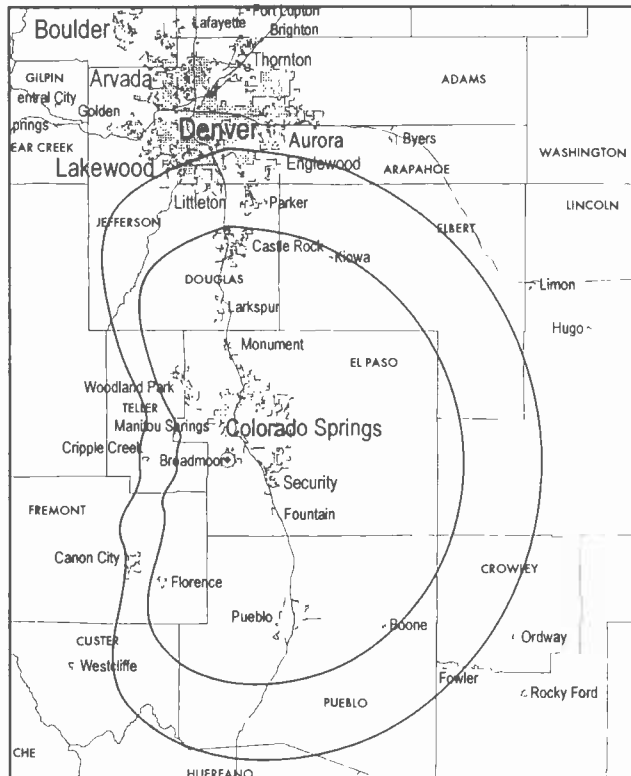


ARBITRON METRO AREA

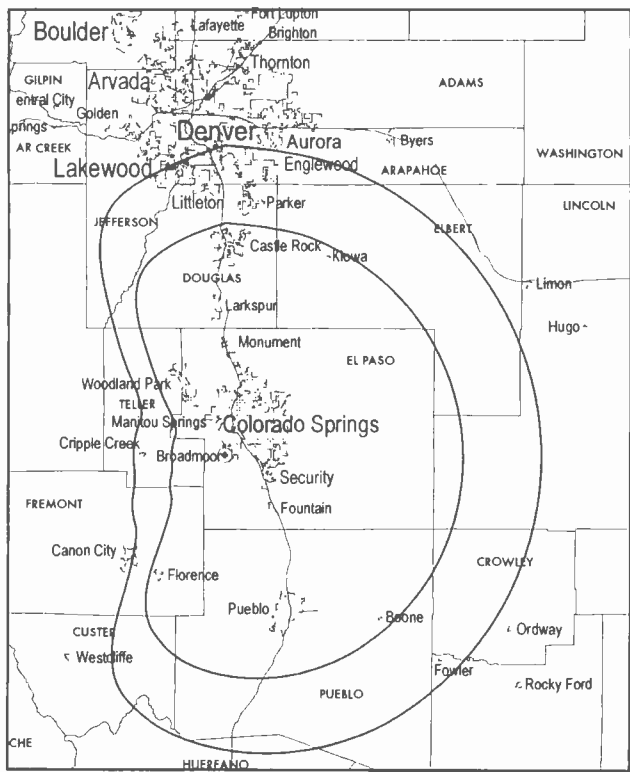
COLORADO SPRINGS



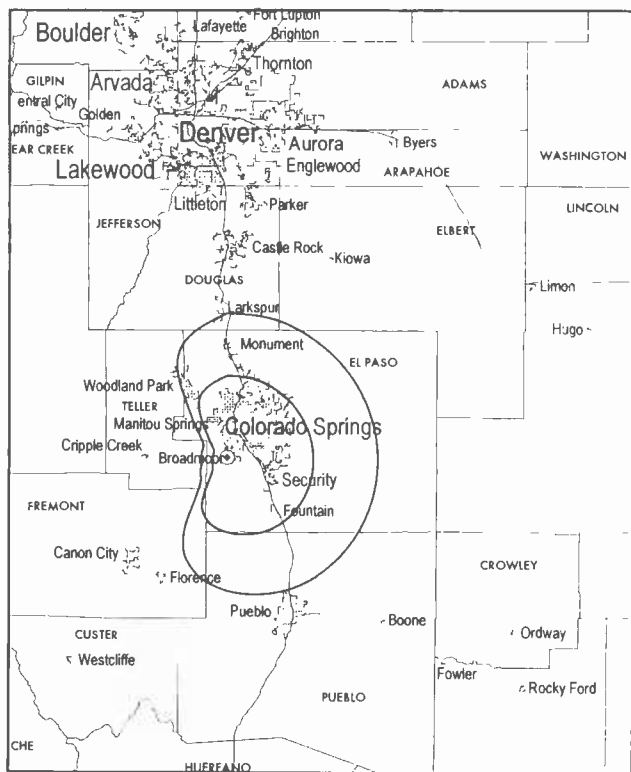
KSPZ 92.9 72/2130



KIL0 94.3 83/2110

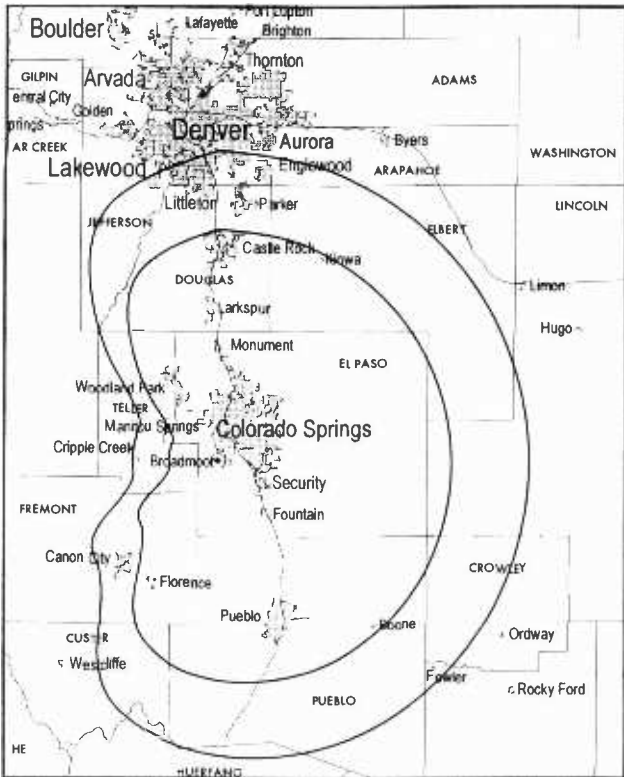


KRDO 95.1 96/2010

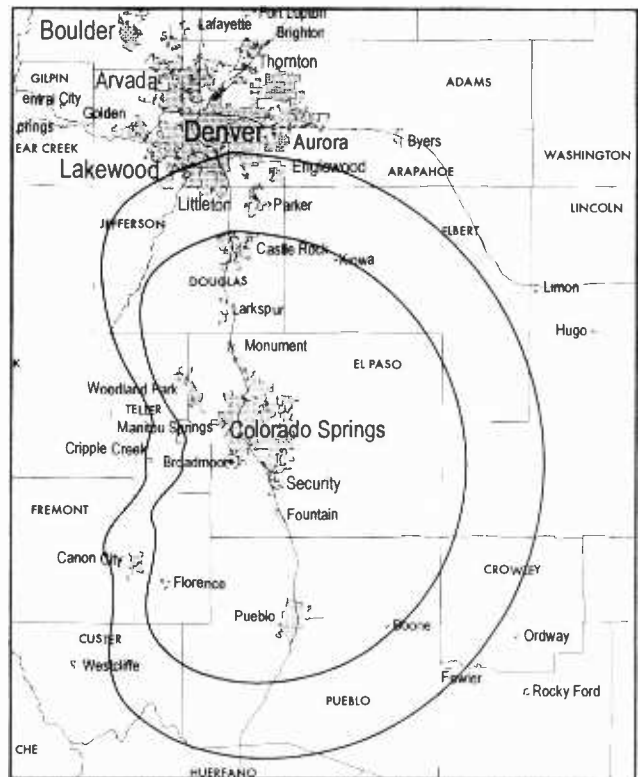


KBIQ 96.1 510w/2014

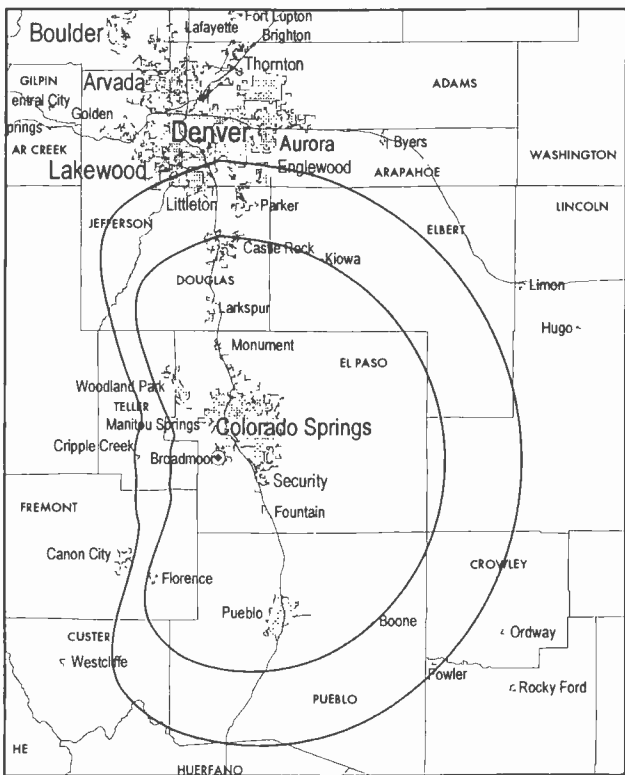
COLORADO SPRINGS



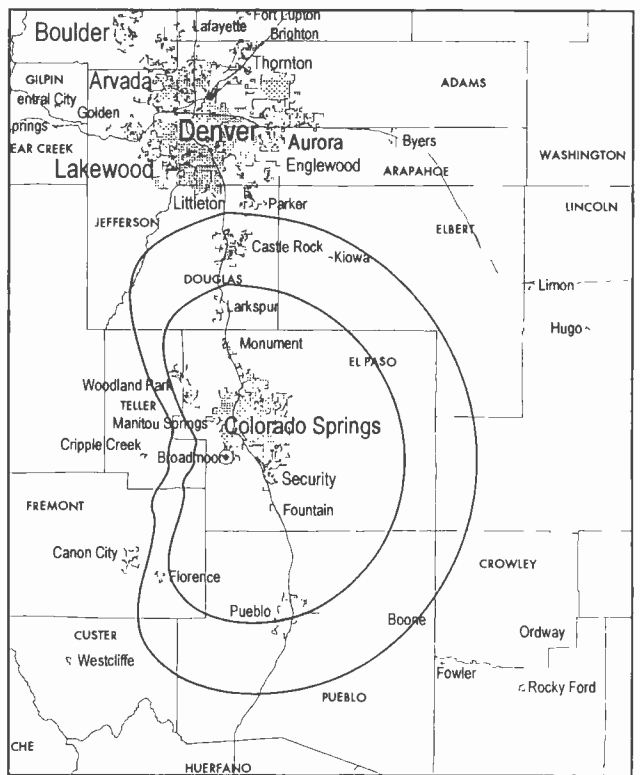
KCCY	96.9	72/2280
KKFM	98.1	71/2290



KKMG	98.9	70/2300
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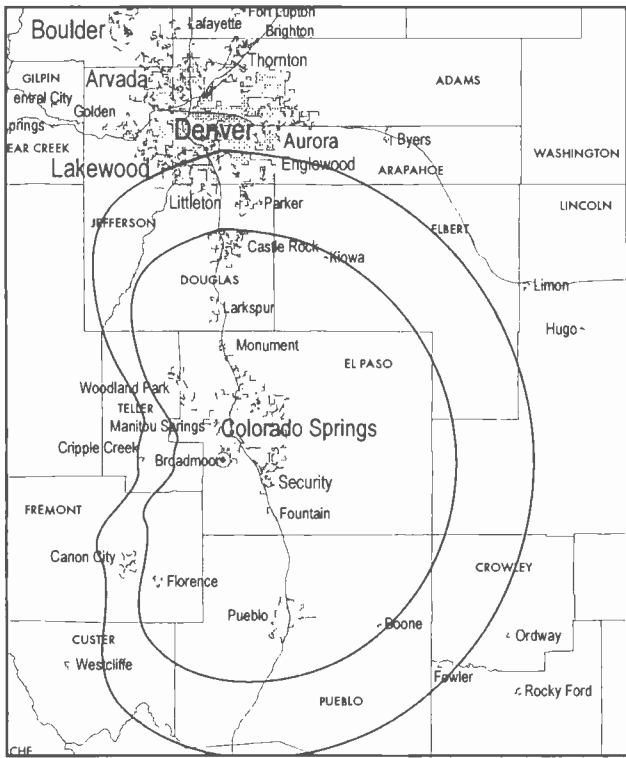


KVUU	99.9	68/2000
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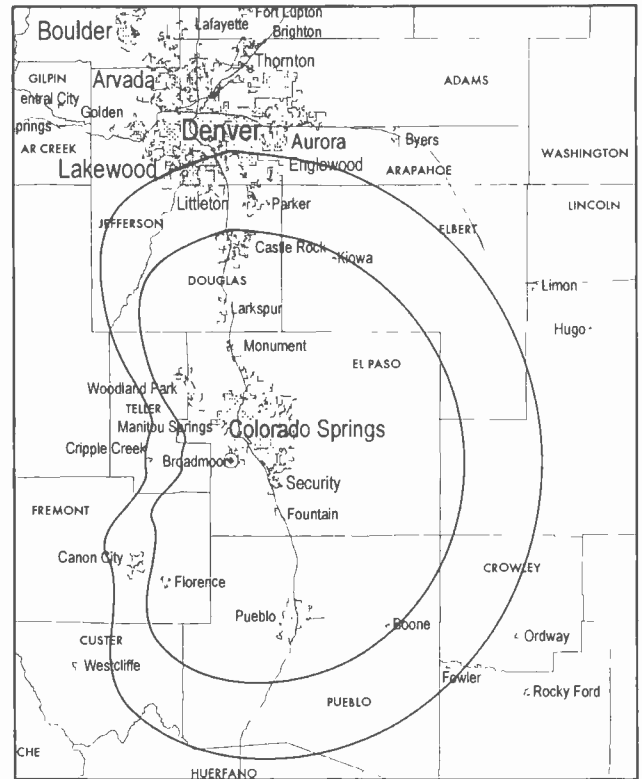


KGFT	100.7	13/2123
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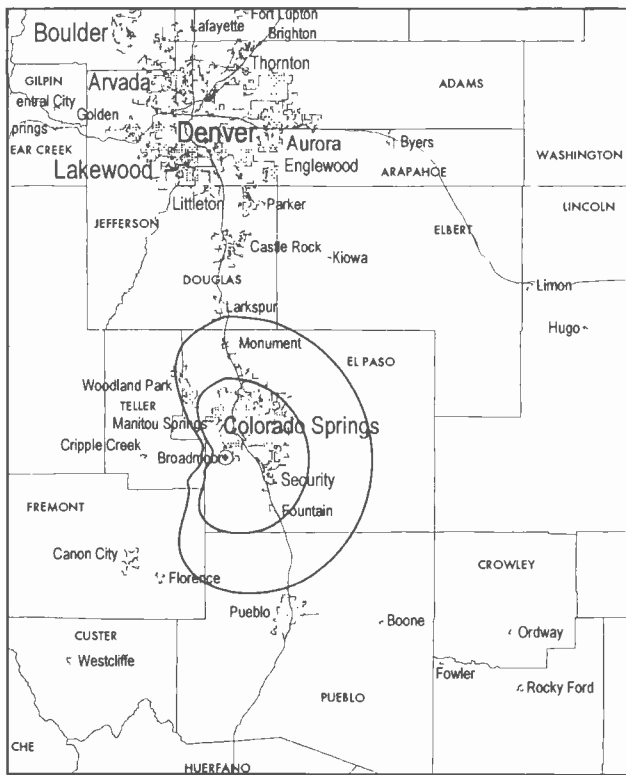
COLORADO SPRINGS



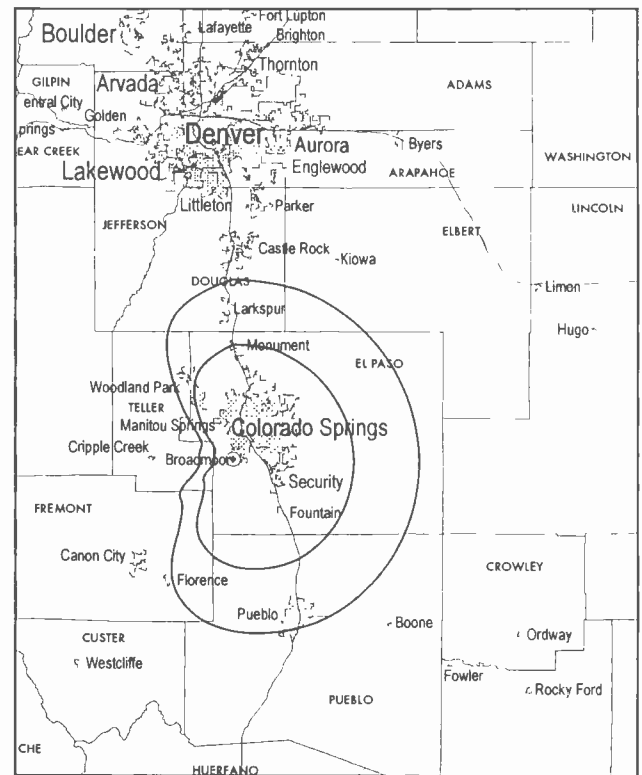
KKCS	101.9	72/2280
KIKX CP	102.7	72/2280
KKMG CP	98.9	72/2280



KIKX	102.7	100/2000
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KHII	105.5	410w/2228
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KKLI	106.3	1.6/2224
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COLUMBIA

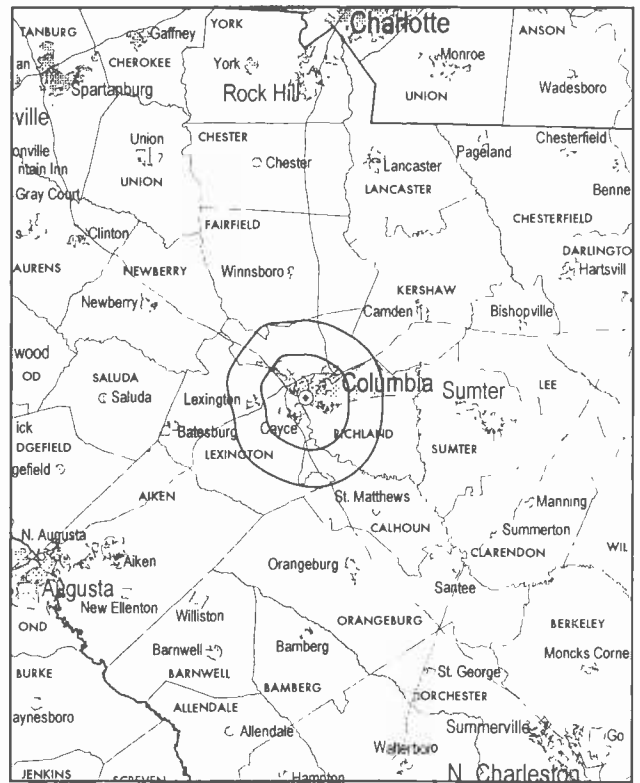
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WARQ Atop building at 1201 Main, downtown Columbia City of License: Columbia, SC	L	93.5	A	2.80	No	443	135	387	34 00 04	81 02 05
WFMV SC 6, 0.6 mi. S of SC 602, NW of Edmund, SC City of License: South Congaree, SC Note:	L	95.3	A	3.00	No	328	100	308	33 53 58	81 13 29
WHKZ With WARQ 93.5, atop 1201 Main, downtown Columbia City of License: Cayce, SC	L	96.7	A	3.30	No	443	135	387	34 00 04	81 02 05
WCOS Near junction of county roads 38 and 330, W of US 321, N of Columbia City of License: Columbia, SC	L	97.5	C1	100.00	No	983	299	835	34 08 23	81 03 22
WLXC 0.3 mi. W of SC 6, 0.5 mi. S of SC 602, NW of Edmund, SC City of License: Lexington, SC	L	98.5	A	6.00	No	328	100	315	33 53 56	81 13 38
WSCQ 6901 Frost Avenue, Columbia City of License: West Columbia, SC	L	100.1	A	5.90	No	330	100	238	34 04 08	81 04 16
WWDM Screaming Eagle Rd., 1 mi. E of US 601, near Leesburg, SC City of License: Sumter, SC	L	101.3	C	100.00	Yes	1322	403	1145	34 03 04	80 40 55
WMFX N side of Winterwood Rd., 0.5 mi. E of SC 215, N of Columbia City of License: St. Andrews, SC	L	102.3	A	6.00	No	328	100	329	34 05 55	81 04 48
WOMG 3720 Martin Street, Columbia City of License: Columbia, SC	L	103.1	A	3.30	No	300	91	223	34 03 05	81 00 07
WNOK Hardscrabble Rd. at Lee Rd., NE of Columbia City of License: Columbia, SC	L	104.7	C	100.00	Yes	1004	305	980	34 09 06	80 54 36
WTCB 11 mi. NW of St. Matthews, 0.5 mi. E of US 176 City of License: Orangeburg, SC	L	106.7	C1	100.00	Yes	787	240	714	33 46 52	80 55 14

Market overview/update: Of the market's 11 stations, 4 are C/C1 operations (two Columbia-licensed, two move-ins) and the rest are Class As. The 4 C/C1 facilities consistently hold down the top Arbitron slots, though several of the Class As have good signal coverage and turn in respectable ratings performances.

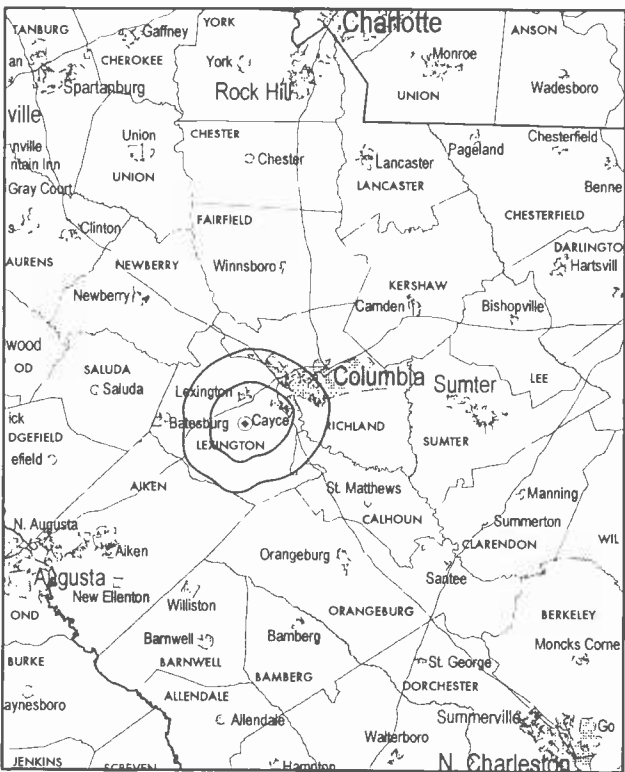
COLUMBIA



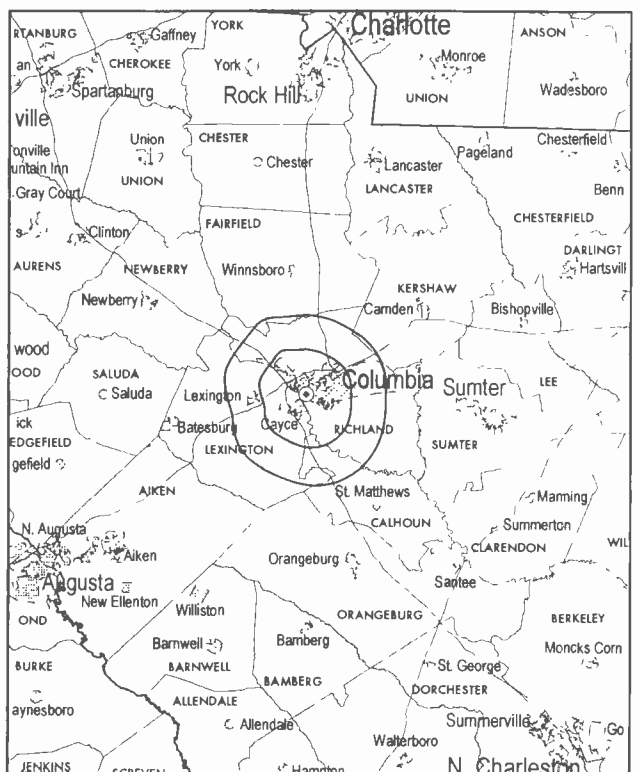
ARBITRON METRO AREA



WARQ 93.5 2.8/443

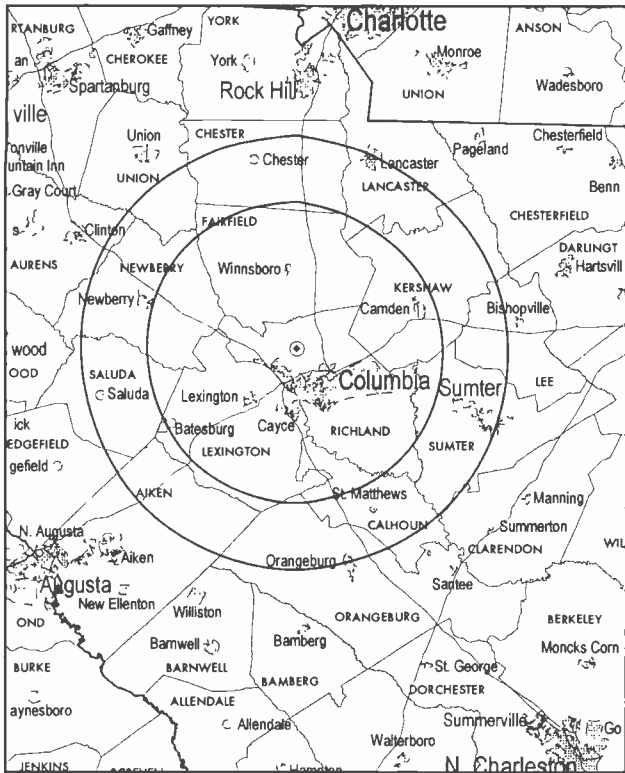


WFMV 95.3 3/328

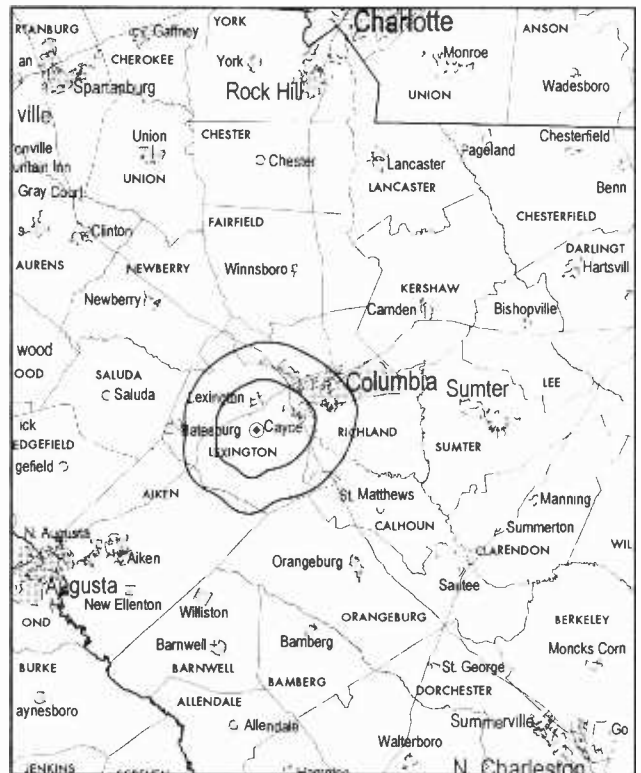


WHKZ 96.7 3.3/443

COLUMBIA



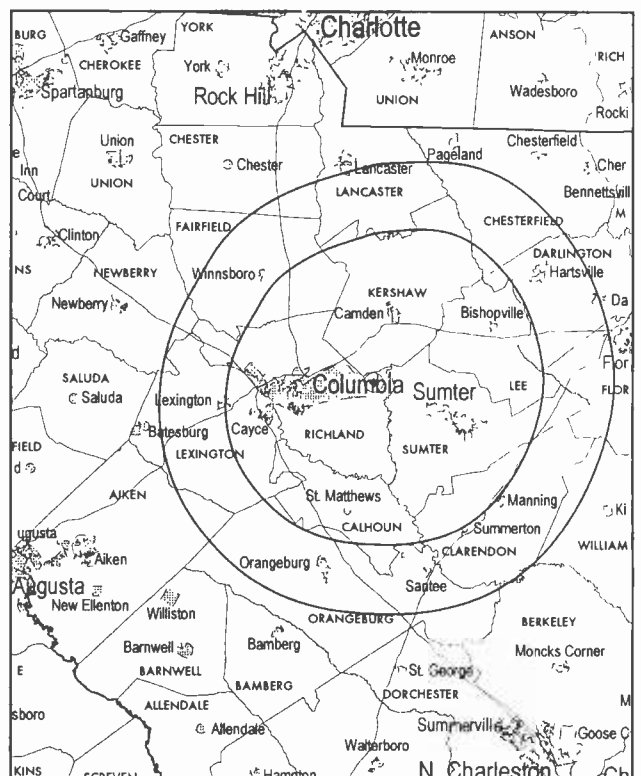
WCOS 97.5 100/983



WLXC 98.5 6/328

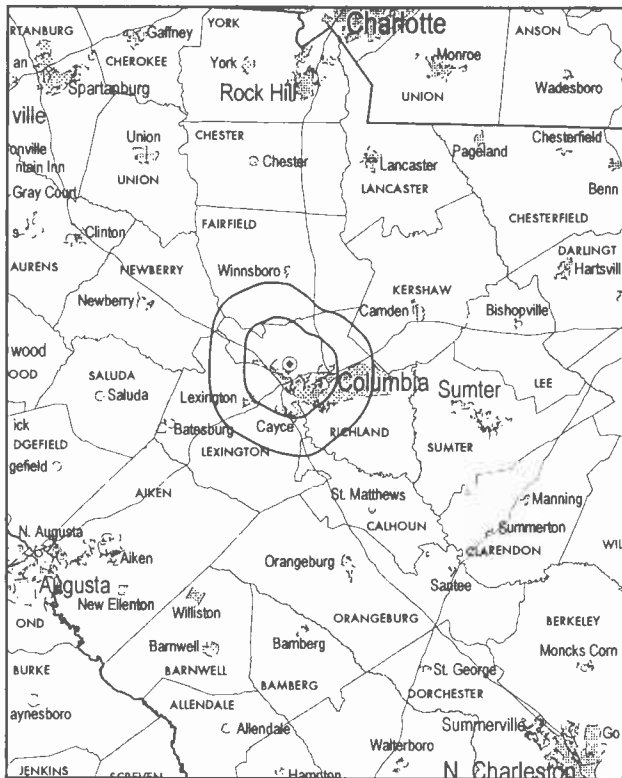


WSCQ 100.1 5.9/330

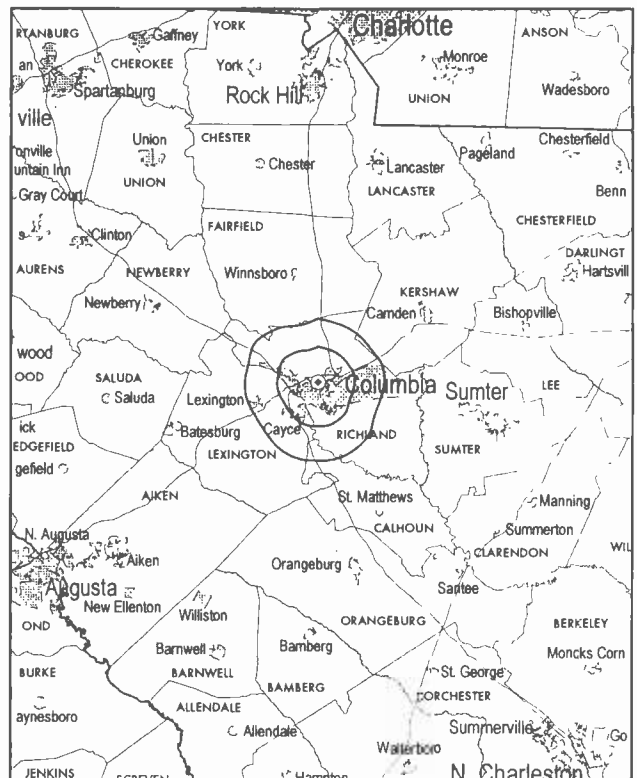


WWDM 101.3 100/1322

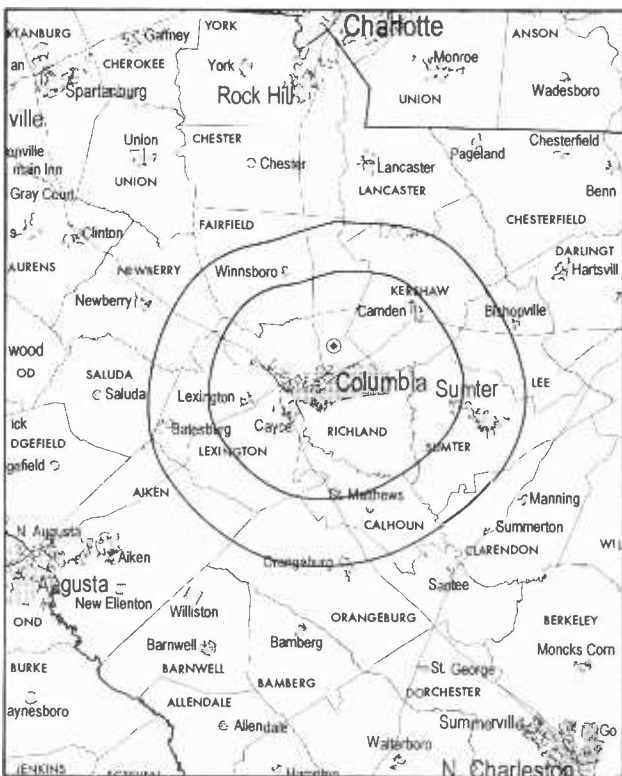
COLUMBIA



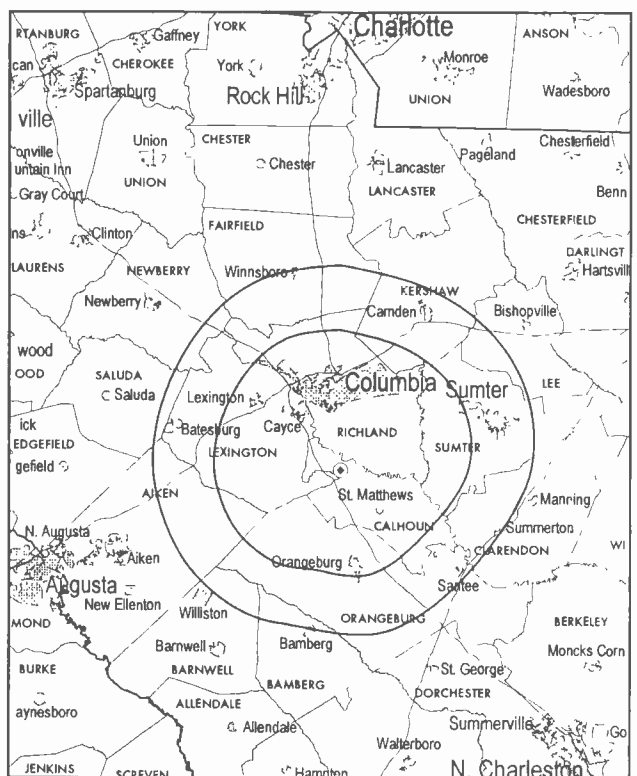
WMFX 102.3 6/328



WOMG 103.1 3.3/300



WNOK 104.7 100/1004



WTCB 106.7 100/787

COLUMBUS, OH

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WCOL Ch. 4/10 tower, 766 Twin Rivers Dr., Columbus City of License: Columbus, OH	L	92.3	B	21.90	No	753	230	1029	39 58 16	83 01 40
WSNY Ch. 4/10 tower City of License: Columbus, OH	L	94.7	B	22.30	No	753	230	1029	39 58 16	83 01 40
WHOK Intersection of Delmont and Stony Hill roads, Hocking Twp., Fairfield County, SW of Lancaster City of License: Lancaster, OH	L	95.5	B	21.00	Yes	761	232	500	39 40 32	80 40 34
WLVQ On Ch. 4/10 tower City of License: Columbus, OH	L	96.3	B	18.00	No	753	230	1029	39 58 16	83 01 40
WBNS Ch. 4/10 tower City of License: Columbus, OH	L	97.1	B	20.50	No	780	238	1029	39 58 16	83 01 40
WNCI Atop One Nationwide Plaza, N. High at Chestnut, downtown Columbus City of License: Columbus, OH	L	97.9	B+	175.00	Yes	560	171	652	39 58 10	83 00 10
WLLD Ch. 4/10 tower City of License: Upper Arlington, OH	L	98.9	A	0.58	No	753	230	1029	39 58 16	83 01 40
WBZX Ch. 4/10 tower City of License: Columbus, OH	L	99.7	B	20.20	No	783	239	1029	39 58 16	83 01 40
WCLT OH 13, 1.6 mi. S of Newark, OH City of License: Newark, OH	L	100.3	B	50.00	No	388	119	352	40 02 02	82 24 08
WWCD 7254 Borrer Rd., 5.5 mi. SSE of Grove City, 2 mi. SE of I-71, 5 mi. S of I-270 City of License: Grove City, OH	L	101.1	A	6.00	Yes	328	100	322	39 48 50	83 03 19
WSMZ County Rd. 13, ESE of Hartford, near Johnstown City of License: Johnstown, OH	L	103.1	A	1.60	No	443	135	453	40 13 44	82 39 32
WZJZ E of OH 4 near intersection with County Road 196, 4 Miles NE of Marysville City of License: Richwood, OH	L	104.3	A	3.40	No	436	133	433	40 18 22	83 19 45
WAKS US 33, 1.1 mi. NW of junction with US 42 City of License: Marysville, OH	L	105.7	A	2.50	No	512	156	499	40 10 26	83 14 42
WCKX 1219 London-Lockbourne Rd., London, OH City of License: London, OH, OH	L	106.3	A	6.00	Yes	328	100	337	39 53 05	83 25 23

COLUMBUS, OH

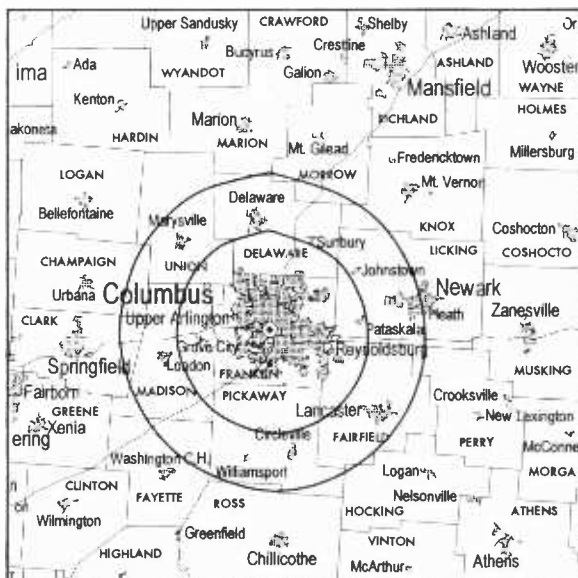
WJZA L 107.5 A 1.90 No 413 126 450 39 57 46 82 59 46
 Atop building at 4th and Broad Streets, downtown Columbus
 City of License: Columbus, OH

WCEZ L 107.9 A 6.00 No 285 87 272 40 17 57 83 02 45
 On tower with Ch. 56 LPTV, 501 Bowtown Rd., Delaware
 City of License: Delaware, OH

Market overview/update: Home to 5 full-power Class Bs all operating from the same tower, a 175-kw superpower operation, two move-in BS, and eight Class As with varying degrees of coverage (only two, WLLD and WJZA, are in the middle of the city). Five of the top six Arbitron slots go to mid-city B Class operations (the other station is WTVN-AM).



ARBITRON METRO AREA

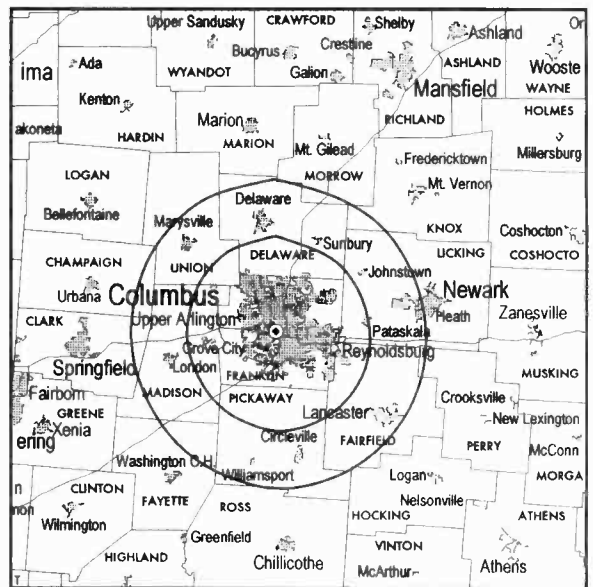


WCOL	92.3	21.9/753
WSNY	94.7	22.3/753
WBNS	97.1	20.5/780
WBZX	99.7	20.2/783

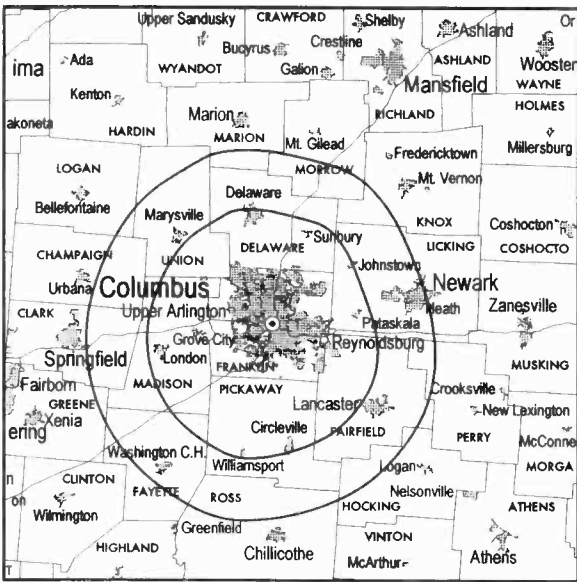
COLUMBUS, OH



WHOK 95.5 21/761



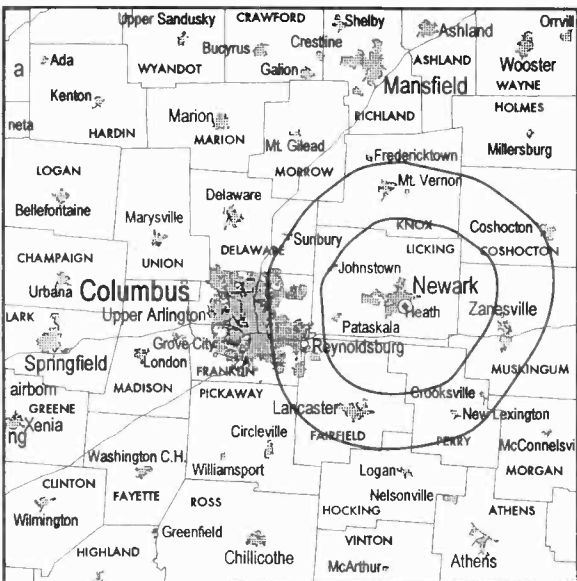
WLWQ 96.3 18/753



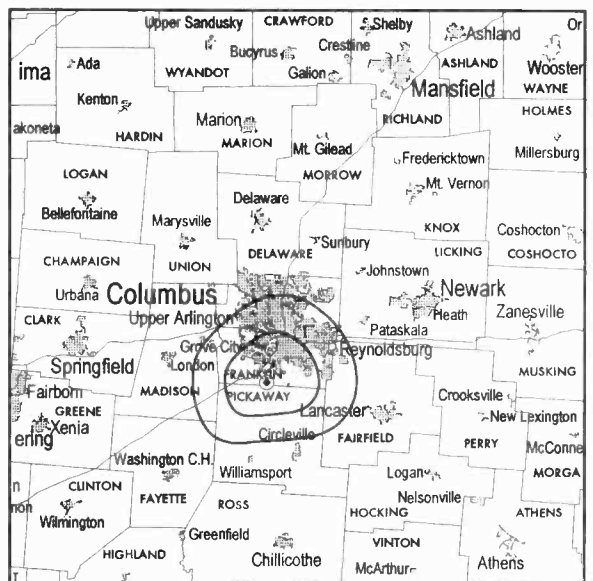
WNCI 97.9 175/560



WLLD 98.9 580w/753

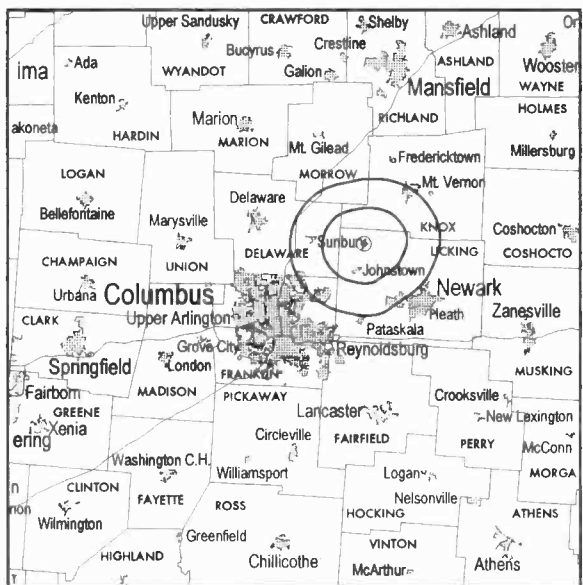


WCLT 100.3 50/388

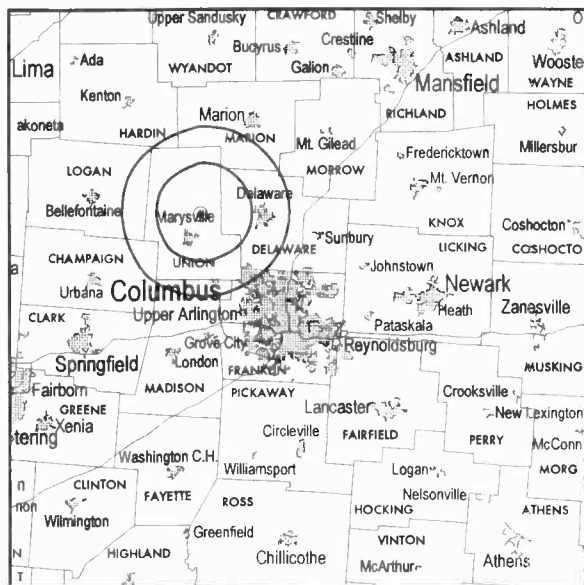


WWCD 101.1 6/328

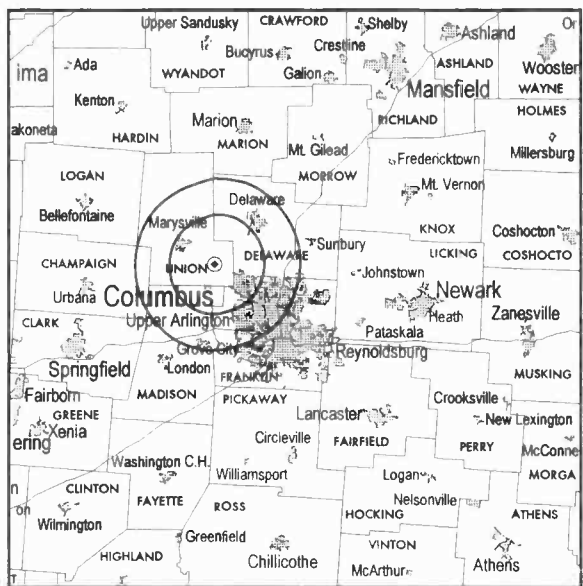
COLUMBUS, OH



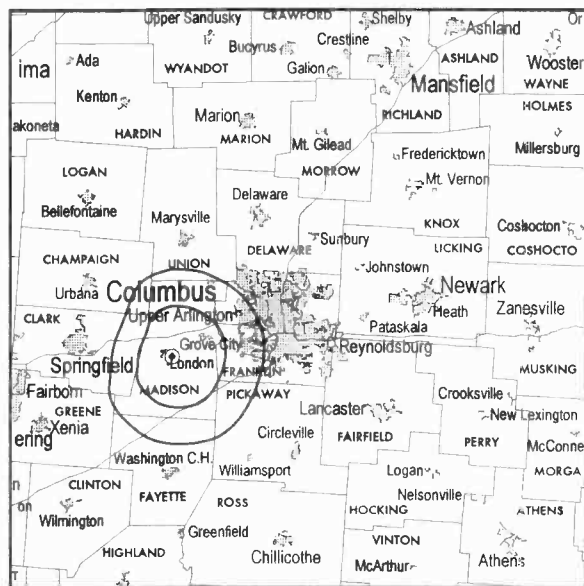
WSMZ 103.1 1.6/443



WZJZ 104.3 3.4/436



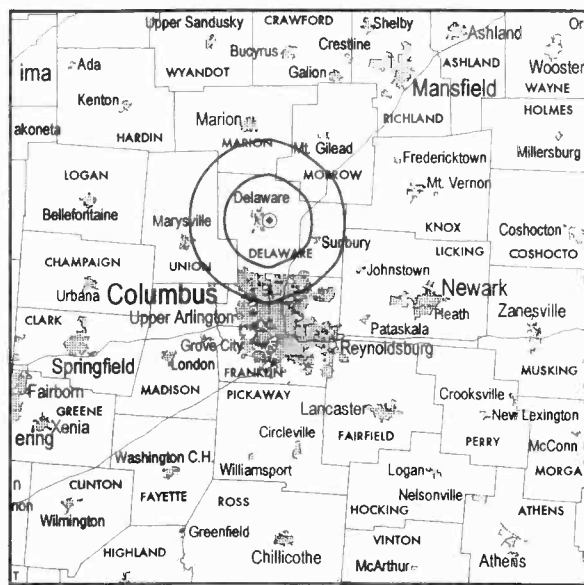
WAKS 105.7 2.5/512



WCKX 106.3 6/328



WJZA 107.5 1.9/413



WCEZ 107.9 6/285

DALLAS - FT. WORTH

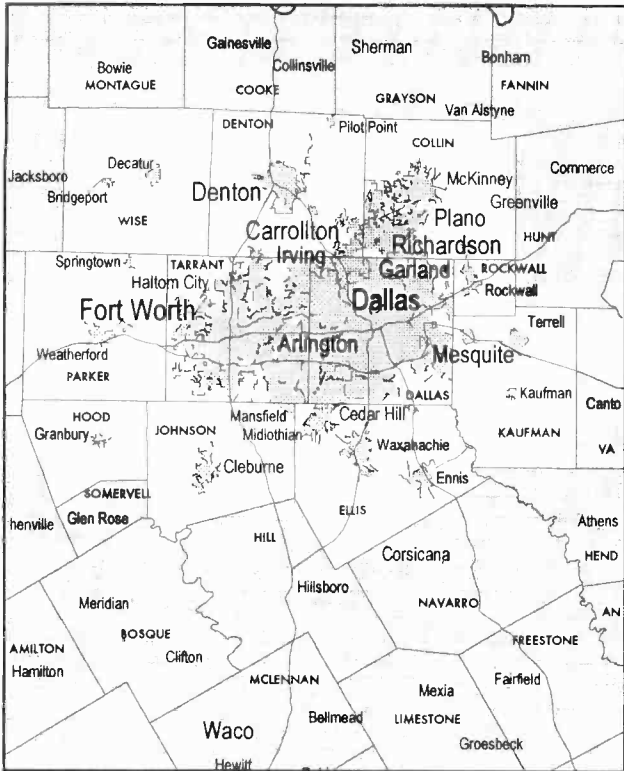
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KZPS UHF (Ch. 21/27/33) candelabra tower, in Dallas-Fort Worth antenna farm, Bellline Rd., Cedar Hill City of License: Dallas, TX	L	92.5	C	100.00	No	1590	485	1529	32 35 22	96 58 10
KLTY UHF candelabra, Cedar Hill City of License: Ft. Worth, TX	L	94.1	C	100.00	No	1590	485	1529	32 35 22	96 58 10
KDGE N of TX 902, 3 mi. W of Collinsville, TX City of License: Gainesville, TX	L	94.5	C	100.00	No	1896	578	1959	33 33 36	96 57 35
KEWS UHF candelabra, Cedar Hill City of License: Arlington, TX	L	94.9	C	100.00	No	1510	460	1529	32 35 22	96 58 10
KSCS Diplexed with KRRW 97.9, Ch. 5 tower, D-FW antenna farm, 1204 W. Bellline Rd., Cedar Hill City of License: Ft. Worth, TX	L	96.3	C	100.00	No	1611	491	1539	32 35 15	96 57 59
KEGL Ch. 11/13 tower, Parkerville and Clark Rds., Cedar Hill City of License: Ft. Worth, TX	L	97.1	C	100.00	No	1460	445	1553	32 34 43	96 57 12
KEGL CP New multi-station tower, Cedar Hill antenna farm City of License: Ft. Worth, TX Note:	C	97.1	C	100.00	No	1670	509	1532	32 35 05	96 57 46
KRRW Diplexed with KSCS 96.3, Ch. 5 tower, Cedar Hill City of License: Dallas, TX	L	97.9	C	100.00	No	1611	491	1539	32 35 15	96 57 59
KLUV UHF candelabra, Cedar Hill City of License: Dallas, TX	L	98.7	C	100.00	No	1590	485	1529	32 35 22	96 58 10
KHCK 1 mi. NW of FM Rd. 730, 10 mi. N of Decatur, Wise County, TX City of License: Denton, TX	L	99.1	C	100.00	No	1168	356	1254	33 23 22	97 33 53
KPLX Susquehanna tower, S of VHF candelabra, Cedar Hill City of License: Ft. Worth, TX	L	99.5	C	100.00	No	1678	511	1559	32 34 54	96 58 32
KRBV Susquehanna tower, Cedar Hill City of License: Dallas, TX	L	100.3	C	89.00	No	1280	390	1559	32 34 54	96 58 32
KRBV CP New multi-station tower, Cedar Hill antenna farm City of License: Dallas, TX	C	100.3	C	100.00	No	1670	509	1532	32 35 05	96 57 46
WRR Susquehanna tower, Cedar Hill City of License: Dallas, TX	L	101.1	C	100.00	No	1348	411	1559	32 34 54	96 58 32

DALLAS - FT. WORTH

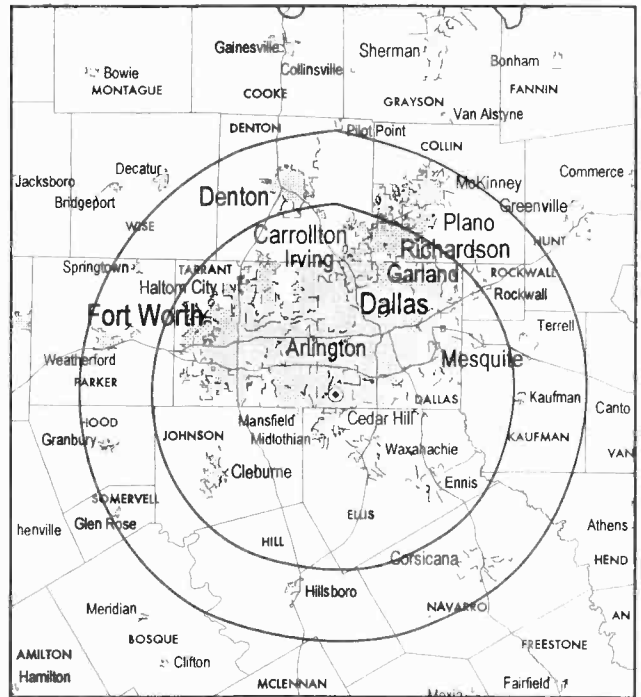
KTXQ	L	102.1	C	100.00	No	1447	441	1559	32 34 54	96 58 32
Susquehanna tower, Cedar Hill										
City of License: Ft. Worth, TX										
KDMX	L	102.9	C	100.00	No	1348	411	1559	32 34 54	96 58 32
Susquehanna tower, Cedar Hill										
City of License: Dallas, TX										
KVIL	L	103.7	C	100.00	No	1570	479	1559	32 34 54	96 58 32
Susquehanna tower, Cedar Hill										
City of License: Highland Park, TX										
KKDA	L	104.5	C	100.00	No	1590	485	1529	32 35 22	96 58 10
UHF candelabra, Cedar Hill										
City of License: Dallas, TX										
KYNG	L	105.3	C	100.00	No	1560	475	1520	32 35 07	96 58 06
Ch. 39 tower in antenna farm, 1200 W. Beltline Rd., Cedar Hill										
City of License: Dallas, TX										
KHKS	L	106.1	C	100.00	No	1590	485	1529	32 35 22	96 58 10
UHF candelabra, Cedar Hill										
City of License: Denton, TX										
KOAI	L	107.5	C1	25.10	No	1657	502	1520	32 35 07	96 58 06
Ch. 39 tower, Cedar Hill										
City of License: Ft. Worth, TX										
KOAI CP	C	107.5	C1	20.00	No	1670	509	1532	32 35 05	96 57 46
New multi-station tower, Cedar Hill antenna farm										
City of License: Ft. Worth, TX										
KICI	L	107.9	C1	100.00	No	843	257	853	31 55 00	96 33 24
Near junction of TX 709 and 642, Pursley, TX, 12 mi. SW of Corsicana										
City of License: Corsicana, TX										

Market overview/update: The overwhelming bulk of this market's FMs operate as tall-tower Class Cs from the Cedar Hill antenna farm southwest of Dallas, yielding good coverage of both Dallas and Ft. Worth. Since these Class C stations are essentially at parity with one another, city of license (Ft. Worth or Dallas) is essentially irrelevant in the marketplace. Since our first edition, former owner Evergreen pulled-off a very complex upgrade of the 94.9 facility (currently KEWS) taking it from C1 to full C status. The plan involved finding new frequencies for several co-and adjacent-channel stations in the region. Also, KDGE completed construction of its 2000' tower for improved coverage over a substantial portion of the metro. Hefel is now operating two Dallas area facilities on 107.9, with KICI Corsicana being the primary signal. A new C2 (50-kw) is in the works for Holtom City (a Ft. Worth suburb), but was not a granted CP at press time.

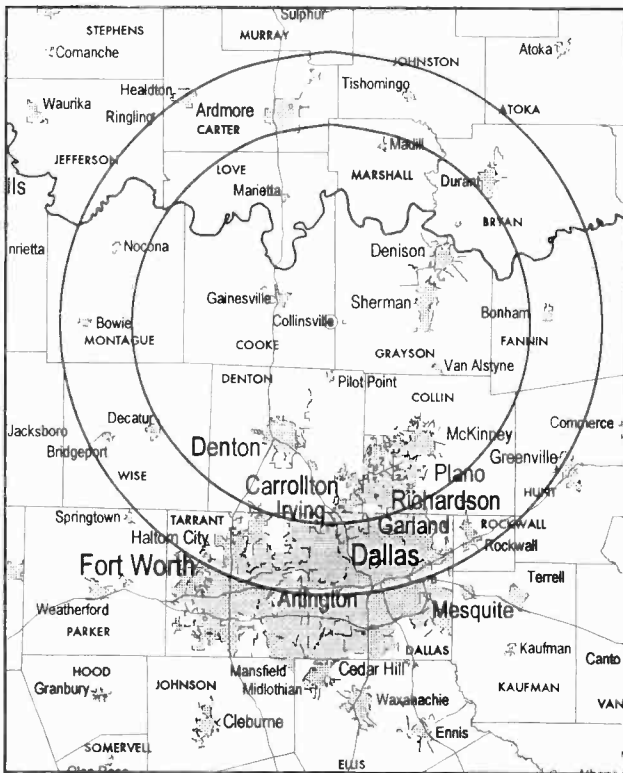
DALLAS - FT. WORTH



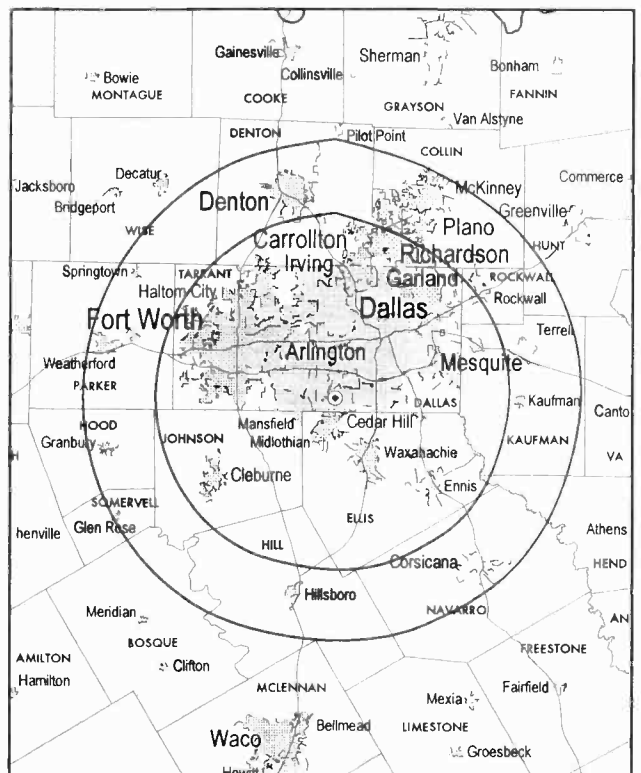
ARBITRON METRO AREA



KZPS	92.5	100/1590
KLTY	94.1	100/1590
KLUV	98.7	100/1590
KKDA	104.5	100/1590
KHKS	106.1	100/1590

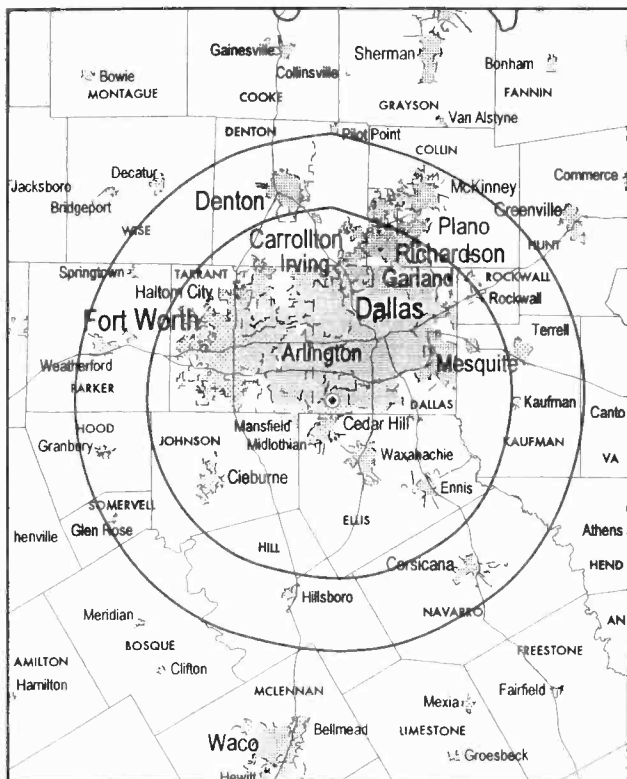


KDGE 94.5 100/1896

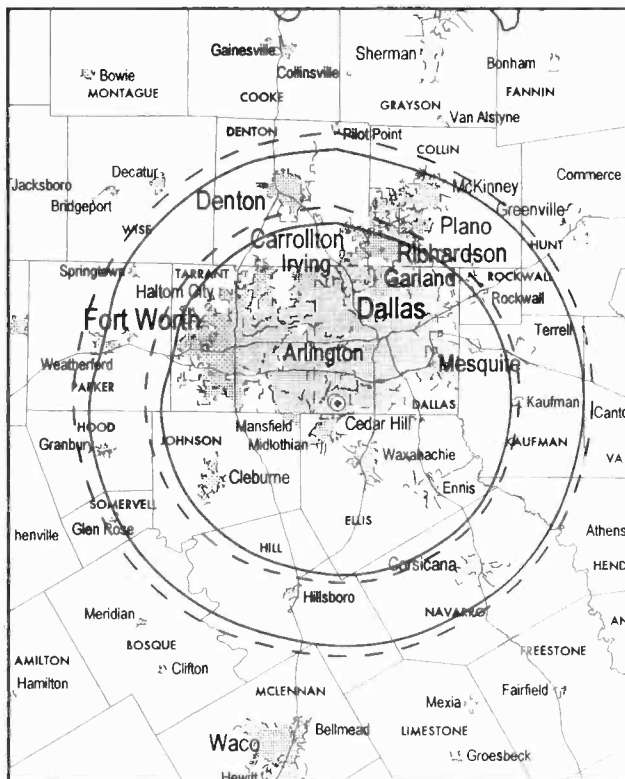


KEWS 94.9 100/1510

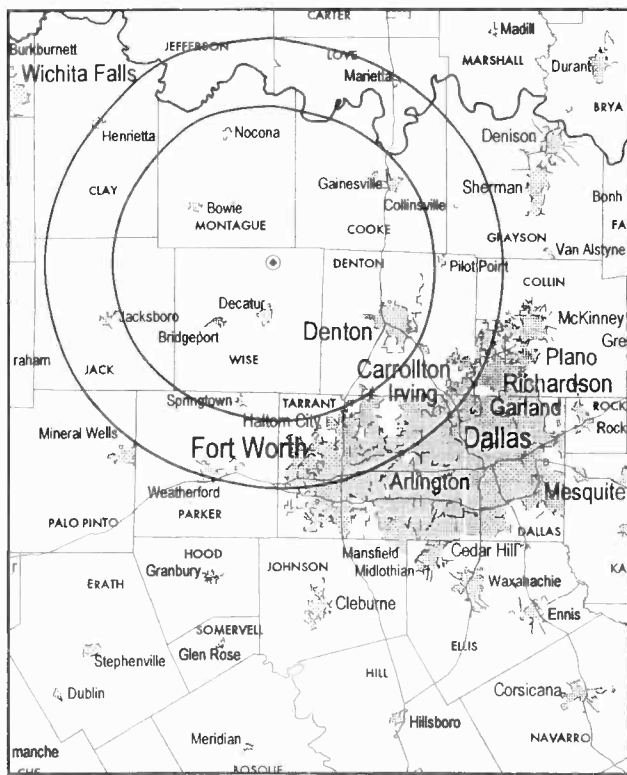
DALLAS - FT. WORTH



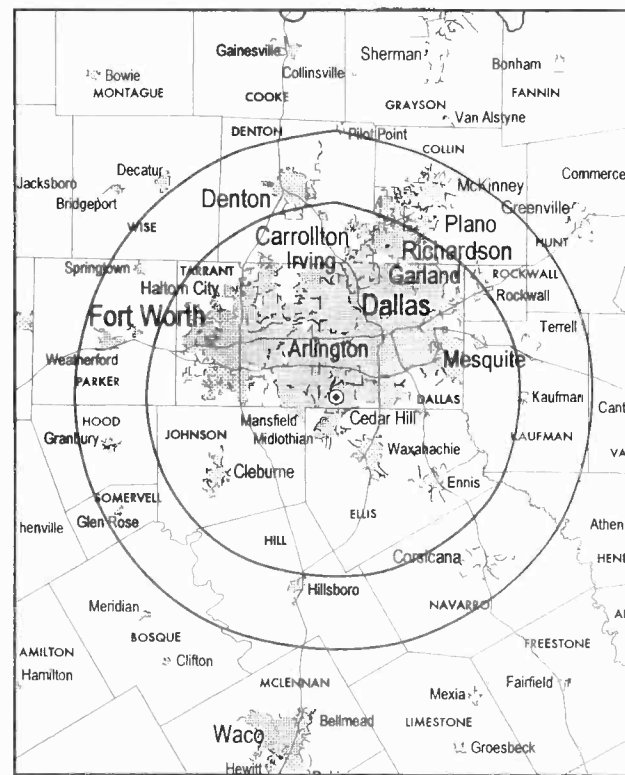
KSCS	96.3	100/1611
KRRW	97.9	100/1611



KEGL	97.1	100/1460
KEGL CP	97.1	100/1670

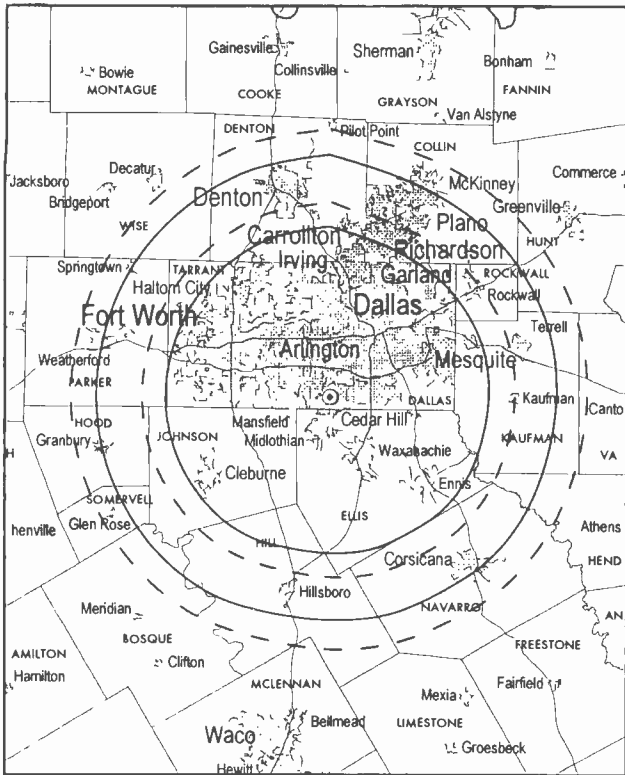


KHCK	99.1	100/1168
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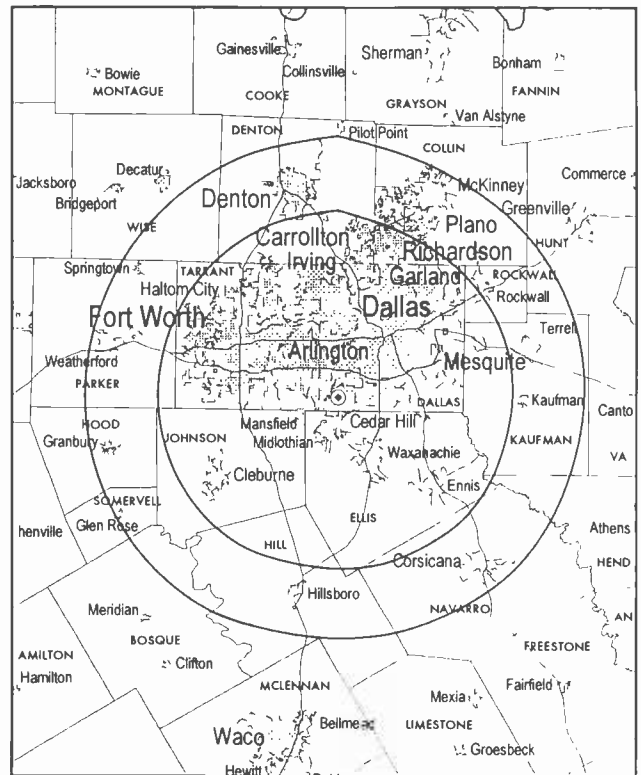


KPLX	99.5	100/1678
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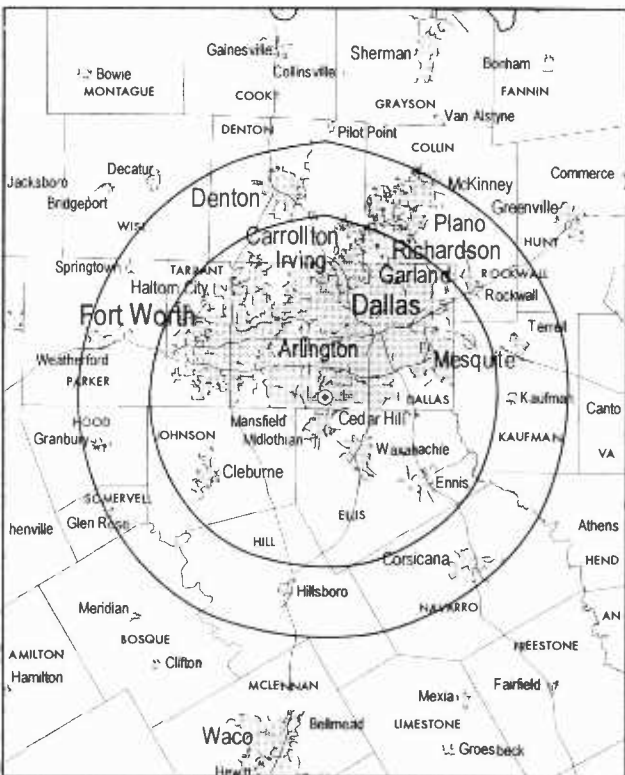
DALLAS - FT. WORTH



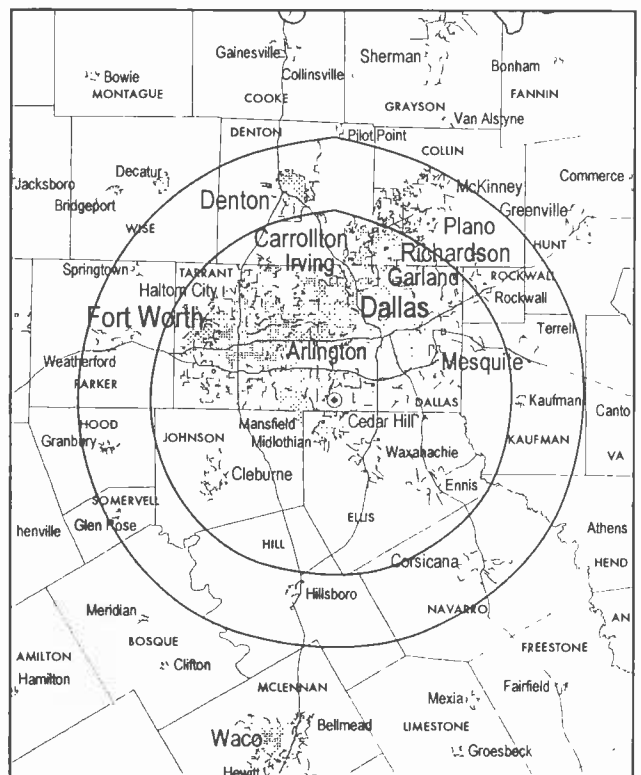
KRBV 100.3 89/1280
 KRBV CP 100.3 100/1670



WRR 101.1 100/1348
 KDMX 102.9 100/1348

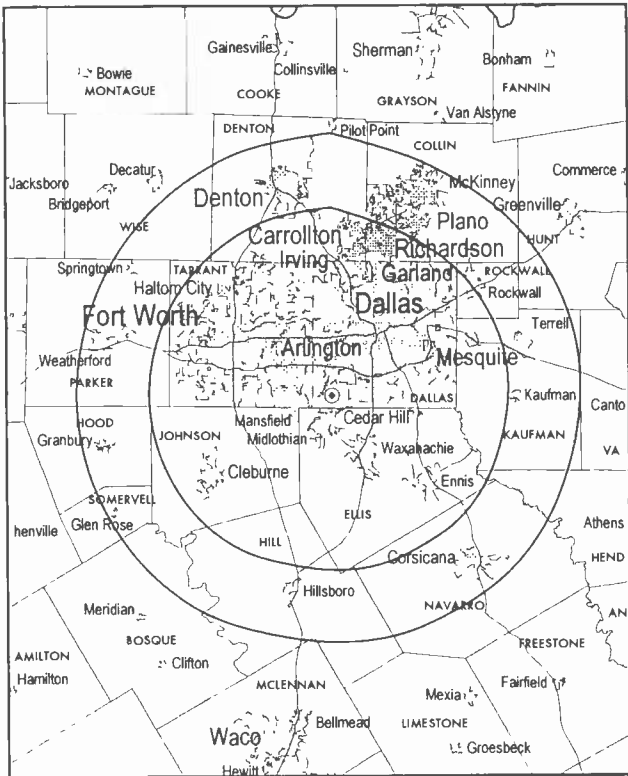


KTXQ 102.1 100/1447

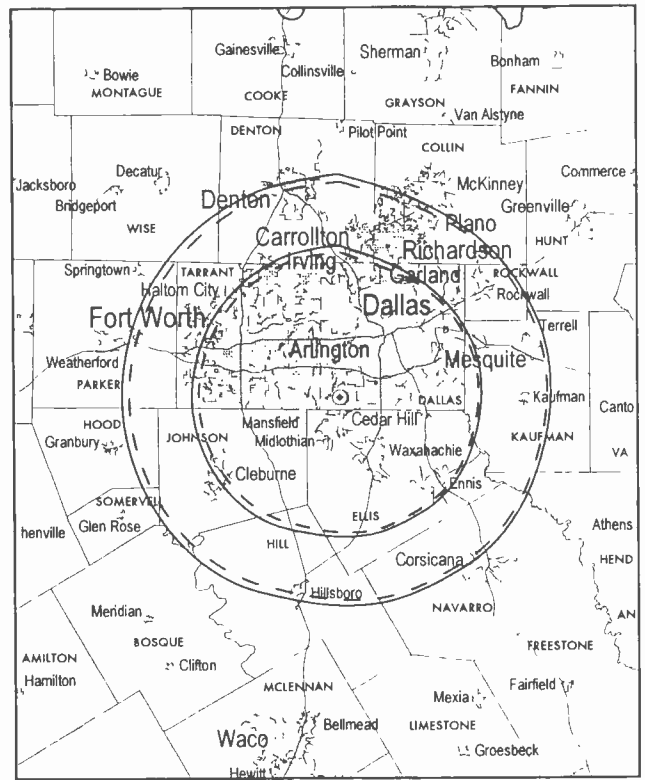


KVIL 103.7 100/1570

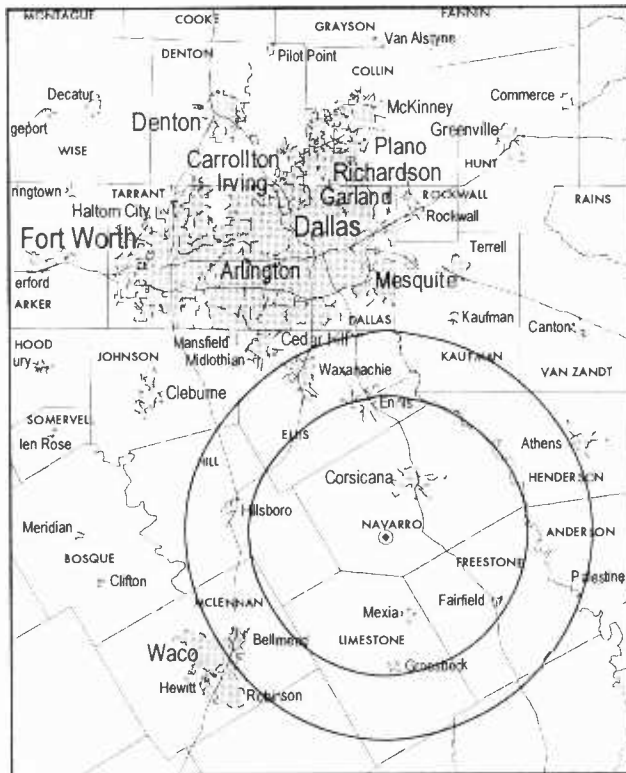
DALLAS - FT. WORTH



KYNG 105.3 100/1560



KOAI 107.5 25.1/1657
KOAI CP 107.5 20/1670



KICI 107.9 100/843

DAYTON

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WROU Ch. 22 tower, 1731 Soldiers Home-W. Carrollton Rd., Moraine antenna farm City of License: West Carrollton, OH	L	92.1	A	0.89	No	597	182	1096	39 43 15	84 15 39
WGTZ Mosier Industrial Park, Carr Dr., Brookville, OH City of License: Eaton, OH	L	92.9	B	39.80	No	551	168	500	39 50 10	84 24 16
WFCJ 7333 Manning Rd., Miamisburg City of License: Miamisburg, OH	L	93.7	B	50.00	No	492	150	569	39 39 36	84 18 50
WDOL 5230 Miami-Montgomery County Line Rd., near Union, OH, 4 mi. NW of Englewood City of License: Englewood, OH	L	94.5	A	6.00	No	328	100	266	39 55 10	84 21 20
WZLR US 68 at Boyd Rd., 4.2 mi. SE of downtown Xenia City of License: Xenia, OH	L	95.3	A	6.00	Yes	321	98	285	39 37 54	83 53 39
WCLR 1050 Akin Rd., 0.3 mi. N of Fessler-Buxton Rd., 5.5 mi. NW of Piqua City of License: Piqua, OH Note: Simulcast on WZLR 95.3 Xenia	L	95.7	B	50.00	No	476	145	500	40 13 02	84 17 35
WHKO Ch. 7 tower, 3316 Germantown St., Dayton City of License: Dayton, OH	L	99.1	B+	50.00	No	1066	325	1096	39 44 03	84 14 50
WLQT Rear of Stuart Hall, University of Dayton campus City of License: Kettering, OH	L	99.9	B	50.00	No	500	152	518	39 44 07	84 10 10
WKSW 460 E. Dallas Rd., 0.5 mi. E of US 68, 4 mi. S of Urbana, 9 mi. NNE of downtown Springfield City of License: Urbana, OH	L	101.7	A	3.20	No	407	124	368	40 02 57	83 46 06
WING Near intersection of Miller Rd. and OH 41, NW of Springfield City of License: Springfield, OH	L	102.9	B	50.00	No	492	150	473	39 57 11	83 52 07
WXEG Grounds of Dayton Mental Health Center, Wayne Avenue, Dayton City of License: Beavercreek, OH	L	103.9	A	1.15	No	522	159	420	39 44 12	84 09 25
WTUE E of I-75, 0.5 mi. S of Miami River, just W of Calvary Cemetery City of License: Dayton, OH	L	104.7	B	50.00	No	500	152	581	39 43 19	84 12 36
WPFB 4505 Central Avenue, Middletown City of License: Middletown, OH	L	105.9	B	33.90	No	593	180	540	39 30 57	84 21 05

DAYTON

WLSN L 106.5 B 50.00 No 479 146 500 40 08 49 84 36 36

5209 Horatio-Harris Creek Rd., 3 mi. N of Greenville
 City of License: Greenville, OH

WMMX L 107.7 B 50.00 No 420 128 401 39 43 36 84 12 23

On bluff at N end of Calvary Cemetery, E of I-75
 City of License: Dayton, OH

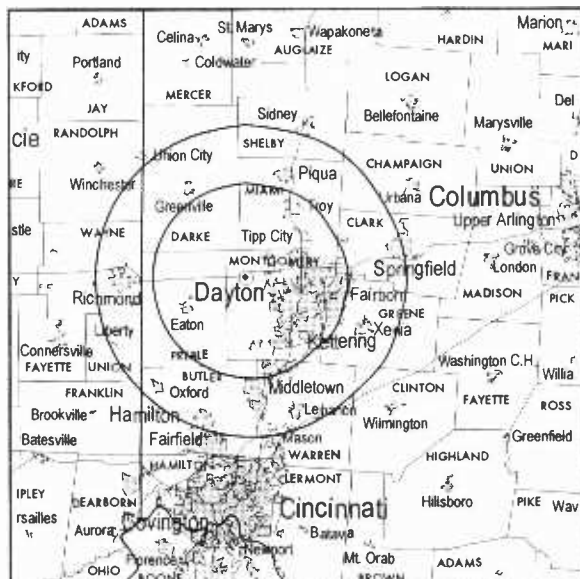
Market overview/update: As with Columbus, a mixed bag of Class A drop-ins and Class B move-ins since our last edition. Four significant new signals since the last edition: WROU, WDOL, WKSW and WLSN- three As and a B, respectively. Only one of the new As enjoys an in-city location (WROU).



ARBITRON METRO AREA



WROU 92.1 890w/597



WGTV 92.9 39.8/551

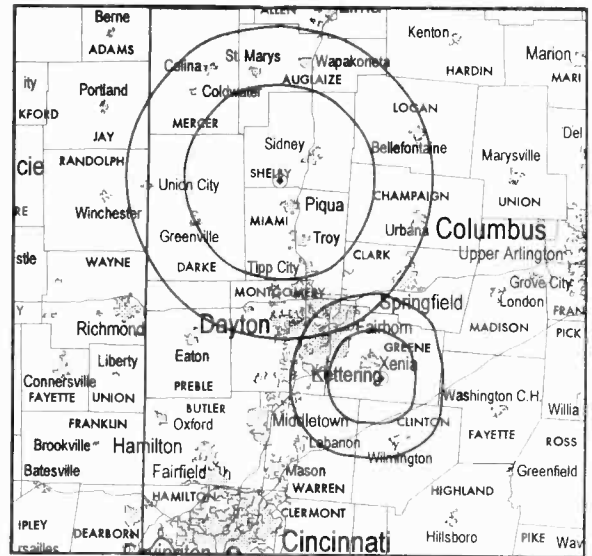


WFCJ 93.7 50/492

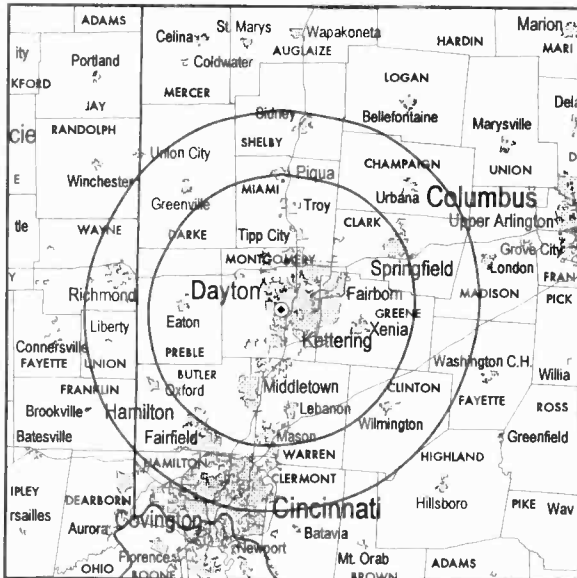
DAYTON



WDOL 94.5 6/328



WZLR 95.3 6/321
WCLR 95.7 50/476



WHKO 99.1 50/1066



WLQT 99.9 50/500



WKSU 101.7 3.2/407



WING 102.9 50/492

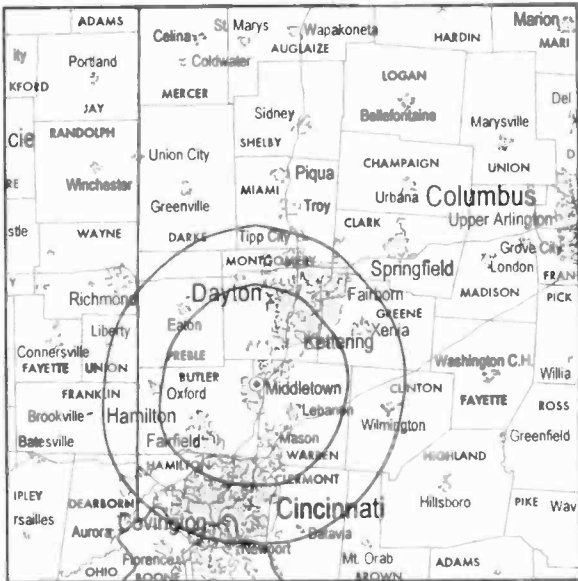
DAYTON



WXEG 103.9 1.15/522



WTUE 104.7 50/500



WPFB 105.9 33.9/593



WLSN 106.5 50/479

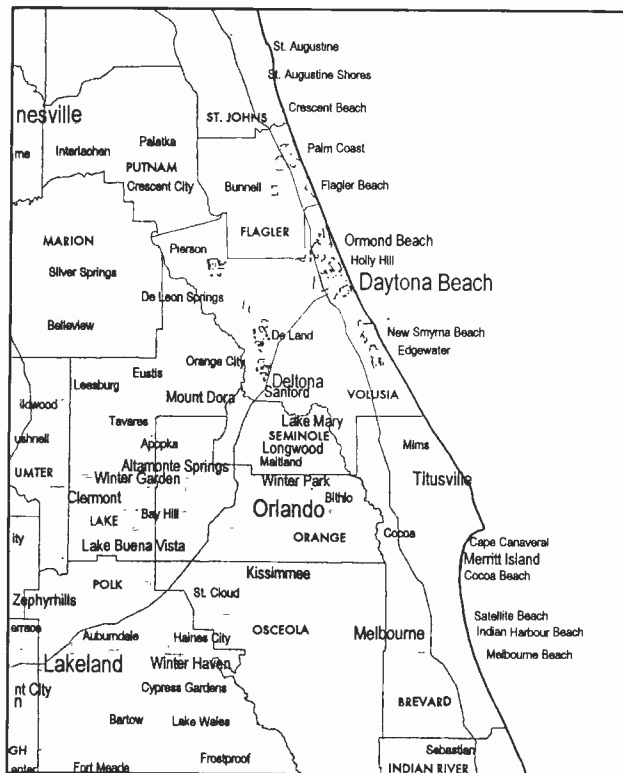


WMMX 107.7 50/420

DAYTONA BEACH

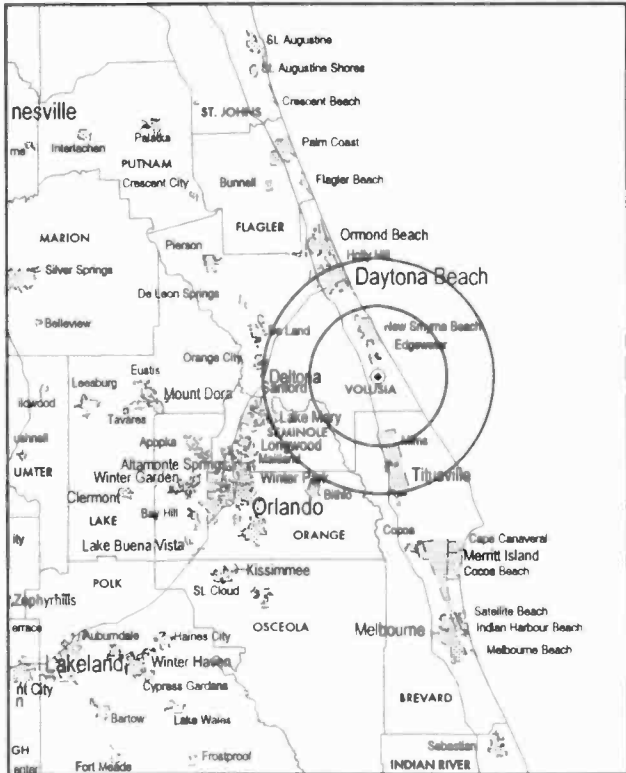
Call	Lic/CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WKRO Rural area, 6.3 mi. S of Edgewater and 2.6 mi. E of I-95 City of License: Edgewater, FL	L	93.1	C3	15.00	No	427	130	440	28 53 43	80 53 12
WTSM 1432 LPGA Blvd., Daytona Beach City of License: Ormond-by-the-Sea, FL	L	95.7	C3	25.00	No	328	100	351	29 14 10	81 04 23
WGNE Putnam Grove Rd., near US 1, 1.4 mi S of Oak Hill, FL (18 mi. N of Titusville) City of License: Titusville, FL	L	98.1	C1	100.00	No	476	145	500	28 50 54	80 51 44
WFKS On FL 13, 1.2 mi. N of Espanola City of License: Palatka, FL	L	99.9	C	100.00	No	1200	366	1170	29 31 08	81 19 02

Market overview/update: Daytona's locally-licensed Class C/C1 operations have long since migrated to Orlando, leaving Daytona to the local AMs, a new crop of move-in FMs and a slowly-emerging group of locally-licensed FMs. WFKS and WGNE are stretch move-ins which have now been around long enough to "take root," while WKRO and WNDB are relatively new C3 entrants. A new Class A is also set for the market.

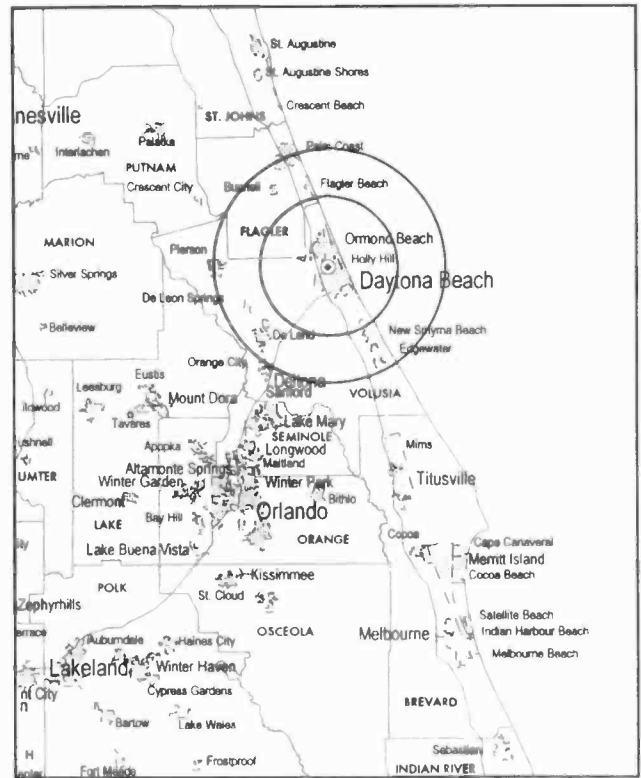


ARBITRON METRO AREA

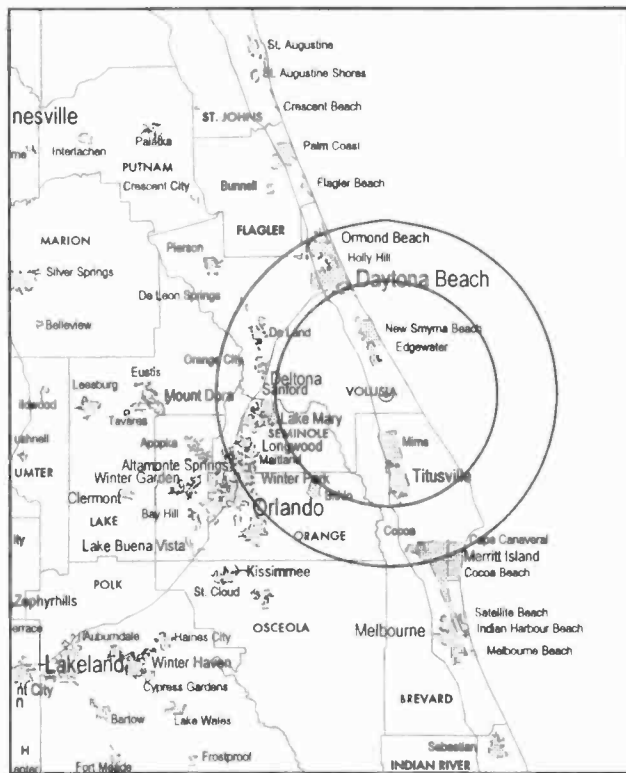
DAYTONA BEACH



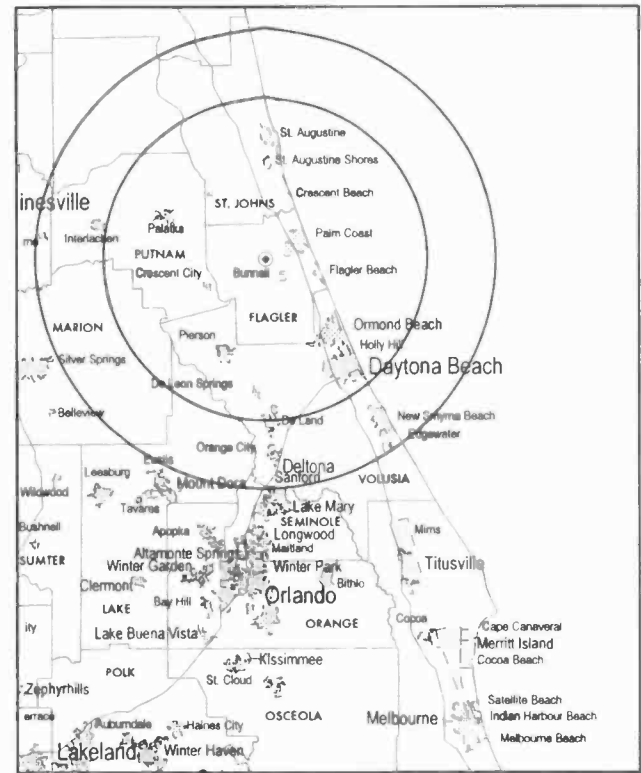
WKRO 93.1 15/427



WTSM 95.7 25/328



WGNE 98.1 100/476



WFKS 99.9 100/1200

DENVER

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KJMN Ponderosa Park, 5.6 mi. ENE of junction of CO 83 and 86, near Franklinton City of License: Castle Rock, CO	L	92.1	C2	30.00	No	627	191	323	39 25 15	104 39 15
KVOD Three-station tower, Weld County Road 17, between Co. Rds. 14 & 16, 1.5 mi. E of Frederick, CO City of License: Greeley, CO	L	92.5	C1	57.00	Yes	1237	377	1164	40 05 47	104 54 04
KTCL Three-station tower with KVOD 92.5 and KQKS 104.3 City of License: Ft. Collins, CO	L	93.3	C	100.00	Yes	1129	344	1164	40 05 47	104 54 04
KRKS Lee Hill, 2.9 mi. W of Boulder City of License: Boulder, CO	L	94.7	C	100.00	Yes	984	300	118	40 04 19	105 21 14
KHIH Lookout Mtn. antenna farm, near Golden (el. 7300') City of License: Denver, CO Note: Contours plotted using 7411' AMSL (2259 m) and 750' AAT as per license condition.	L	95.7	C	100.00	Yes	1608	490	190	39 43 59	105 14 10
KXPK On KYGO 98.5 tower, Squaw Mtn., SE of peak, S of Idaho Springs (Elevation: 10,700 ft.) City of License: Evergreen, CO	L	96.5	C	100.00	No	1739	530	180	39 40 35	105 29 09
KBCO El Dorado Mtn., 1.6 mi. SW of El Dorado Springs City of License: Boulder, CO	L	97.3	C	100.00	Yes	1541	470	180	39 54 48	105 17 32
KYGO On tower with KXPK 96.5, Squaw Mtn. City of License: Denver, CO	L	98.5	C	100.00	No	1821	555	180	39 40 35	105 29 09
KKHK Diplexed with KOSI 101.1, Lookout Mtn. antenna farm City of License: Denver, CO Note: Contours plotted using 7421' AMSL (2262 m) and 790' AAT as per license condition.	L	99.5	C	100.00	Yes	1624	495	161	39 43 45	105 14 06
KIMN Ch. 20 tower, Mt. Morrison, Red Rocks Park City of License: Denver, CO	L	100.3	C	100.00	Yes	1152	351	282	39 40 18	105 13 12
KOSI Diplexed with KHKK 99.5, Lookout Mtn. antenna farm City of License: Denver, CO Note: Contours plotted using 7421' AMSL (2262 m) and 790' AAT as per license condition	L	101.1	C	100.00	Yes	1624	495	180	39 43 45	105 14 06
KRFX Ch. 4 tower, Lookout Mtn. City of License: Denver, CO	L	103.5	C	100.00	No	1045	319	830	39 43 50	105 14 07
KQKS On tower with KVOD 92.5 and KTCL 93.3 City of License: Longmont, CO	L	104.3	C1	58.00	Yes	1204	367	1164	40 05 47	104 54 04

DENVER

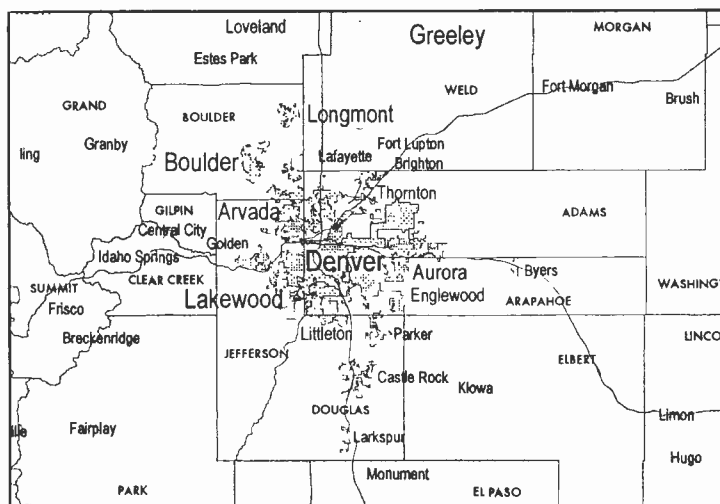
KXKL	L	105.1	C	100.00	No	1169	356	100	39 35 60	105 12 35
Mt. Chief, E of US 285, SE of Indian Hills										
City of License: Denver, CO										
KALC	L	105.9	C	100.00	Yes	1470	448	440	39 43 59	105 14 12
Ch. 2 tower, Lookout Mtn.										
City of License: Denver, CO										
Note: Contours plotted using 7523' AMSL (2293 m) and 900' AAT as per license condition										
KBPI	L	106.7	C	100.00	No	987	301	440	39 43 59	105 14 12
Ch. 2 tower, with KALC 105.9, Lookout Mtn.										
City of License: Denver, CO										
KWMX	L	107.5	C	100.00	No	1198	365	100	39 41 45	105 09 54
Green Mtn., W of Lakewood, SE of I-70										
City of License: Lakewood, CO										
Note: Contours plotted using 6827' AMSL (2081 m) and 670' AAT as per license condition										

Market overview/update: Denver's viable FM count has risen from 14 to 17 since our first edition. KXPK signed on as a brand, new full-coverage Class C drop-in, truly a rare event in a major market these days given the FM band's general level of saturation. Three Denver metro stations now operate from an 1164' tower northeast of the city. KVOD (formerly KZDG) is a full-power C1 move-in from Greeley. KQKS, formerly a restricted facility on El Dorado Mountain, became a full-power C1. KTCL has moved-in from Ft. Collins as a full Class C. KNRX Castle Rock upgraded from Class A to Class C2 from a ridge southeast of Denver. KIMN upgraded from Class C1 on a 500' tower in Denver to full Class C status on the Ch. 20 tower on Mt. Morrison in Red Rocks Park. And, early in 1996, Tribune moved KKHK (formerly KVOD) from a 400' tower in Denver to the KOSI antenna in the city's main antenna farm on Lookout Mountain.

Several Denver market FMs are required to use directional antennas to reduce radiation over the National Bureau of Standards laboratories at Table Mountain northeast of Boulder. This lab is a recognized radio "quiet zone."

Several FM stations in this market have been allowed by the FCC to employ a non-standard method of calculating height above average terrain. The stations, all located on either Lookout Mountain or Green Mountain west of the city, have been allowed to leave off negative height above average figures in the direction of the Rocky Mountains, resulting in higher HAAT figures in the direction of Denver itself. This enabled the stations to remain fully-protected Class C operations, even though their HAAT's would have been slightly below the Class C minimum of 984' if the standard calculation method were employed.

Each station's license has been altered to reflect figures resulting from use of the revised calculation method. Though these higher values are now the officially-licensed HAAT figures, each license carries a condition that the former data be used when calculating contours for coverage maps. In accordance with this condition, our maps are generated using the actual, previously-licensed HAAT values. The former values are: KHIH (95.7), 750'/229 M; KOSI (101.1) and KHKK (99.5), 790'/241 M; KALC (105.9), 900'/274 M; and KWMX (107.5), 670'/204 M.

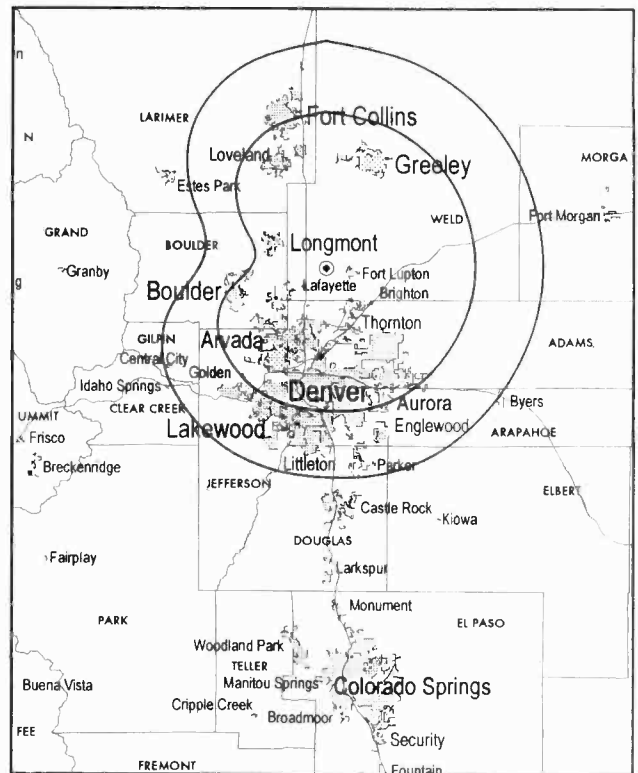


ARBITRON METRO AREA

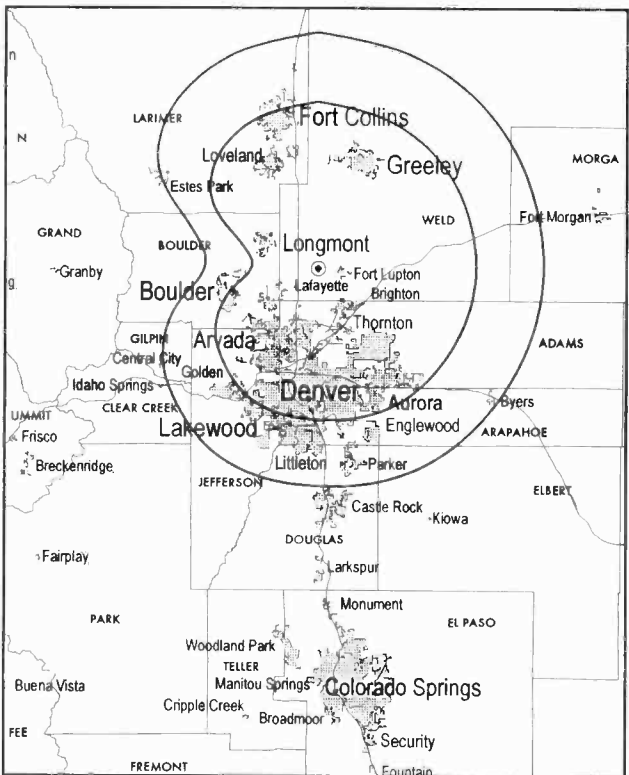
DENVER



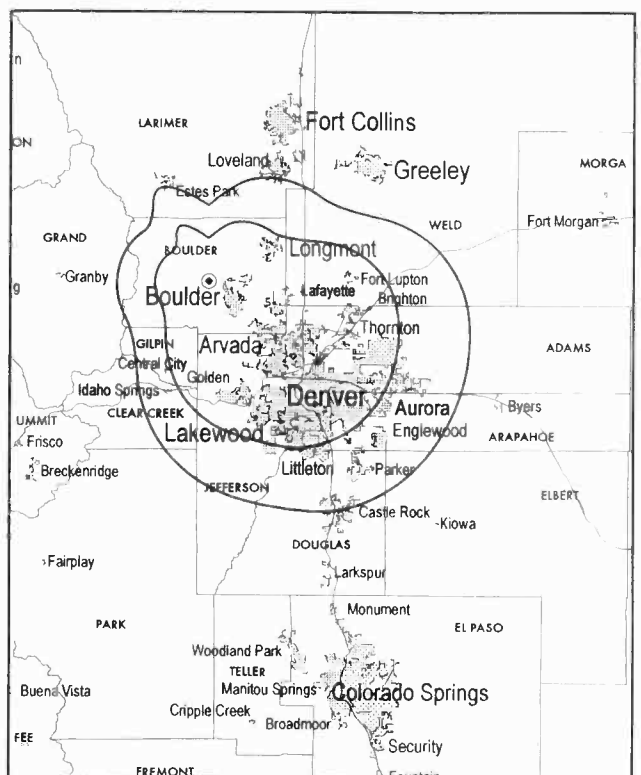
KJMN 92.1 30/627



KVOD 92.5 57/1237



KTCL 93.3 100/1129



KRKS 94.7 100/984

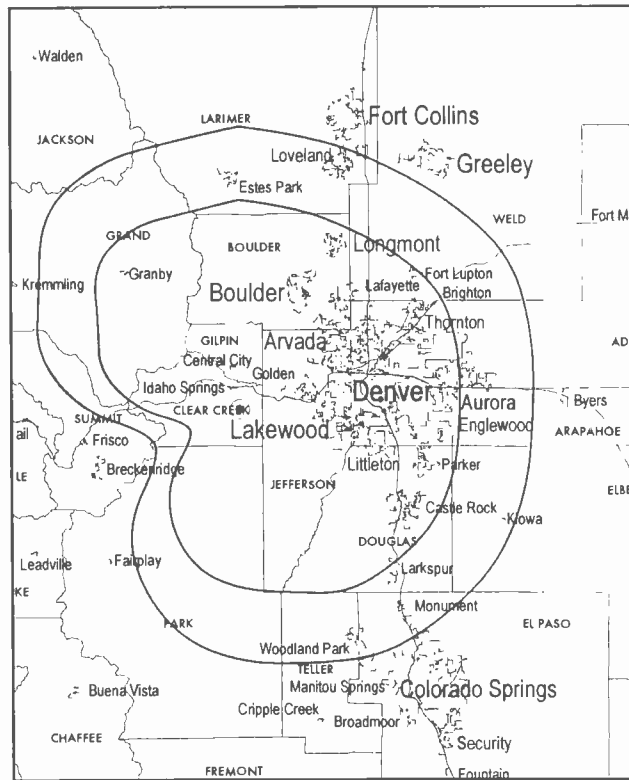
DENVER



KHII

95.7

100/1608



KXPX

96.5

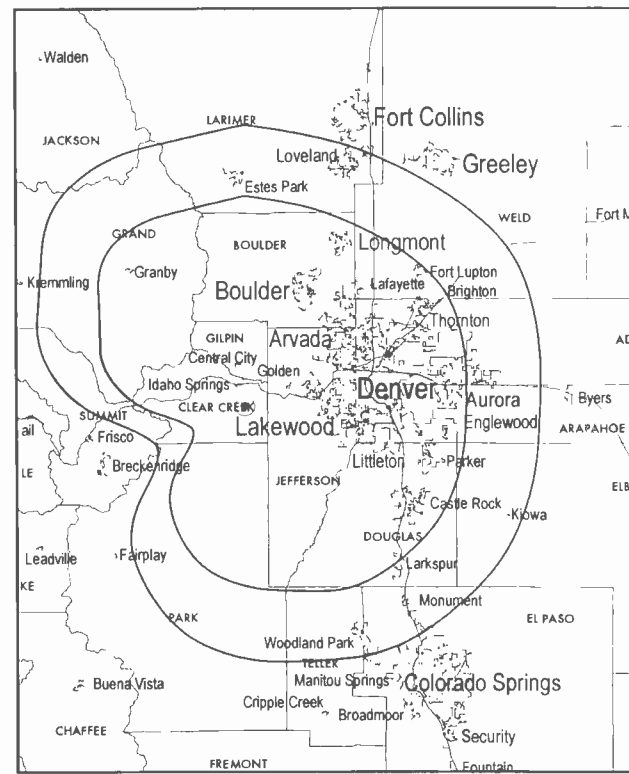
100/1739



KBCO

97.3

100/1541



KYGO

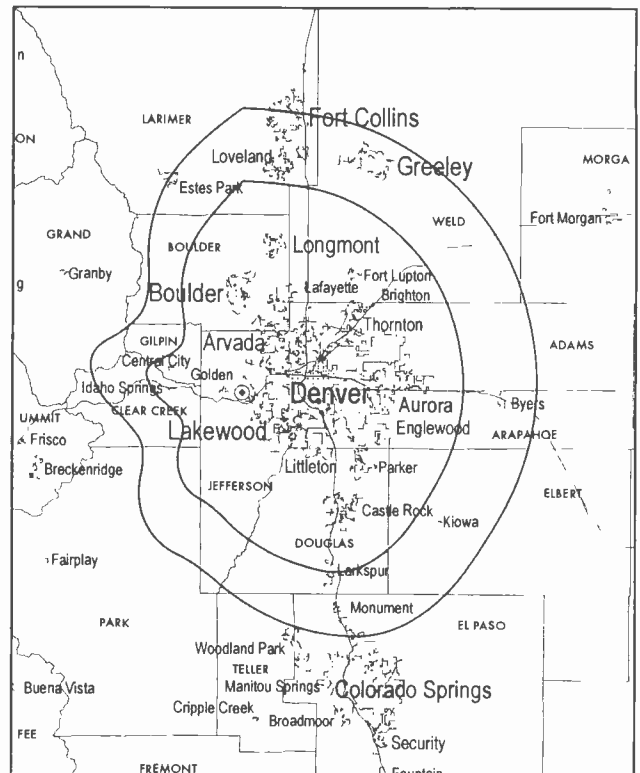
98.5

100/1821

DENVER



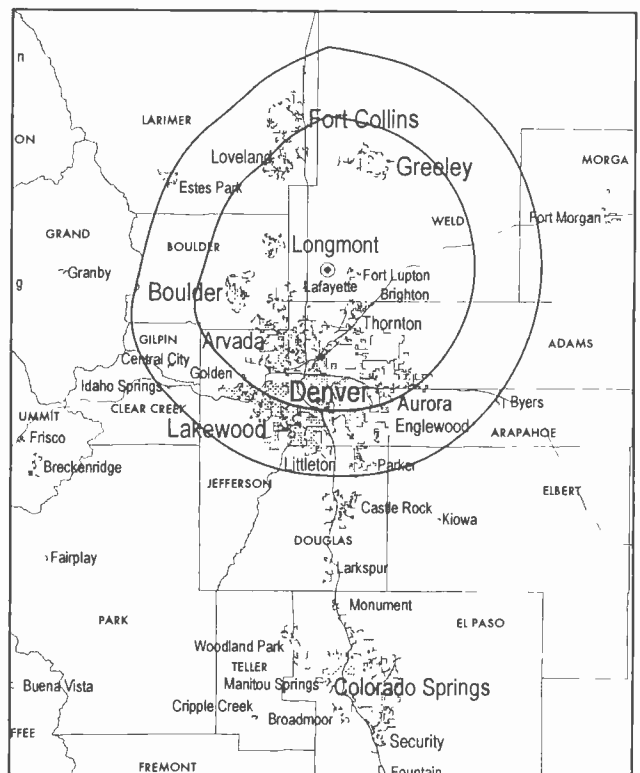
KIMN 100.3 100/1152



KOSI 101.1 100/1624
KKHK 99.5 100/1624



KRFX 103.5 100/1045

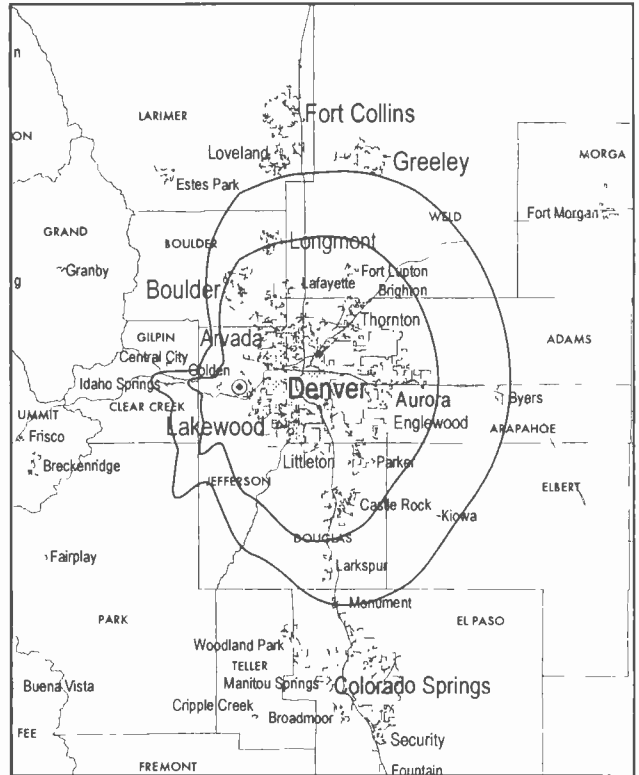


KQKS 104.3 58/1204

DENVER



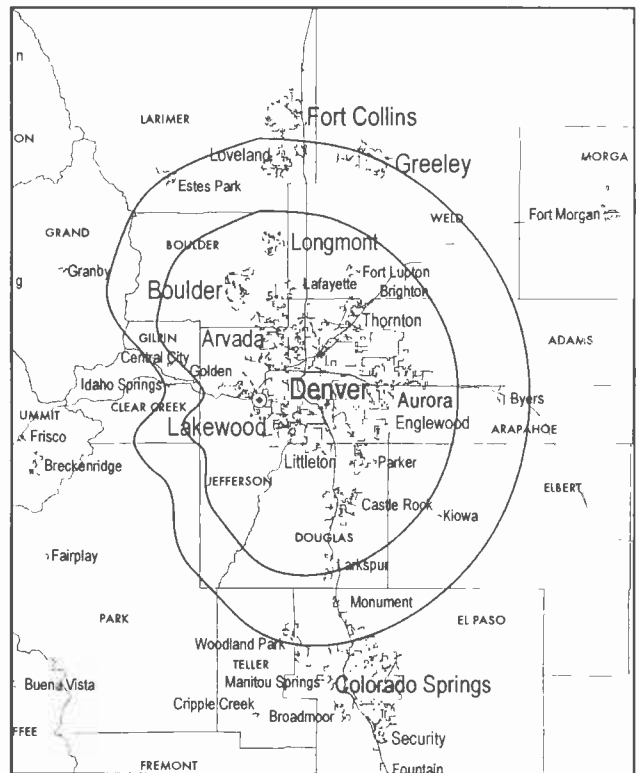
KXKL 105.1 100/1169



KALC 105.9 100/1470



KBPI 106.7 100/987



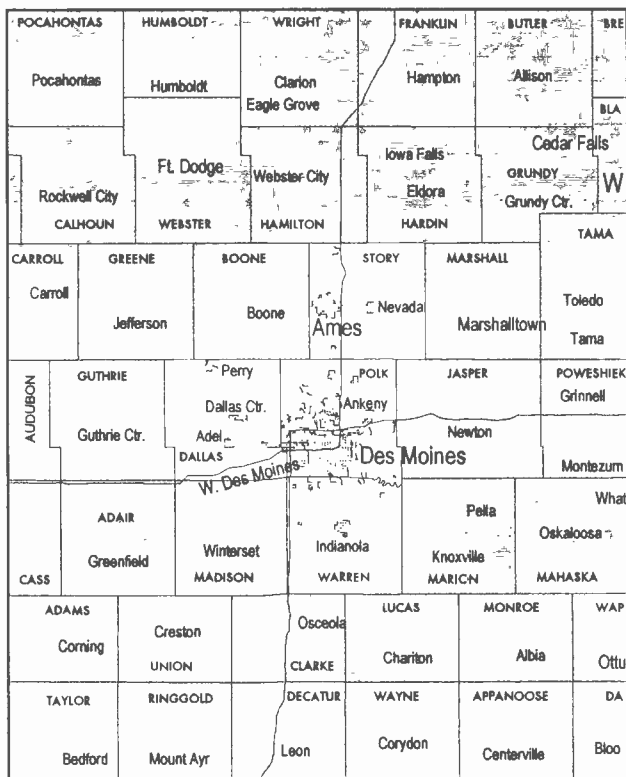
KWMX 107.5 100/1198

DES MOINES

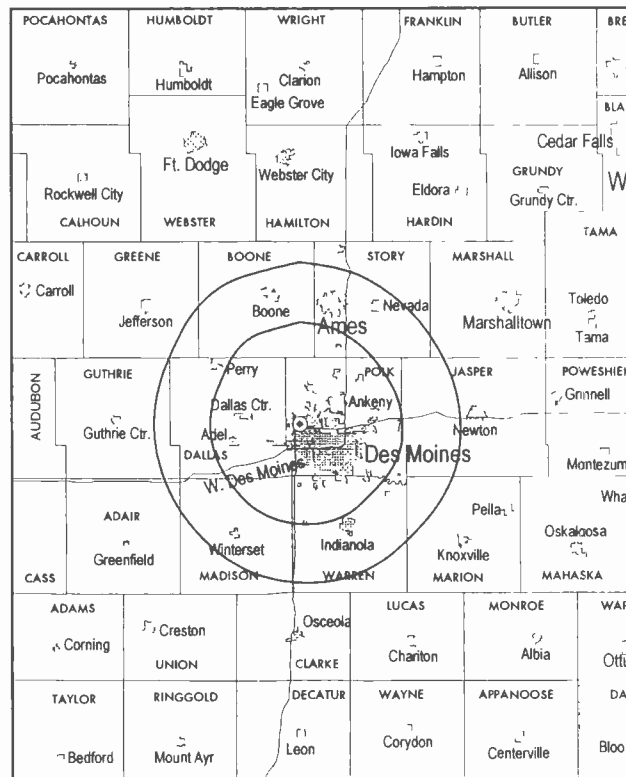
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KJJY On NW 100th Street, 0.9 mi. N of I-80, 2.5 mi. SE of Grimes City of License: Ankeny, IA	L	92.5	C2	41.00	No	541	165	500	41 39 53	93 45 24
KIOA Diplexed with KGGO 94.9, NE 38th Street, 0.5 mi. E of NE 22nd Avenue, Altoona, ENE of Des Moines City of License: Des Moines, IA	L	93.3	C	100.00	No	1066	325	1049	41 37 54	93 27 24
KGGO Diplexed with KIOA 93.3 City of License: Des Moines, IA	L	94.9	C	100.00	No	1066	325	1049	41 37 54	93 27 24
KHKI NW 100th Street, near NW 54th Avenue, 0.8 mi. N of I-35, 2.5 mi. SE of Grimes City of License: Des Moines, IA	L	97.3	C1	115.00	No	450	137	479	41 39 47	93 45 21
KRKQ NW 150th Avenue at NW 86th Street, 2.8 mi SW of Sheldahl, IA City of License: Boone, IA	L	98.3	C2	50.00	No	492	150	535	41 49 51	93 43 51
KLYF Ch. 13 tower, 1 mi. S of Alleman, IA City of License: Des Moines, IA	L	100.3	C	100.00	No	1700	518	2000	41 48 33	93 36 53
KSTZ Ch. 17 tower, US 69, 0.4 mi. S of NE 134th Avenue, Alleman, IA City of License: Des Moines, IA Note:	L	102.5	C	100.00	No	1260	384	1539	41 48 01	93 36 27
KAZR 0.3 mi. E of Vandalia, IA, 14 mi. E of downtown Des Moines City of License: Pella, IA	L	103.3	C1	100.00	No	745	227	0	41 32 18	93 17 58
KEZT Boone County Rd. R-26, 3 mi. NNE of Woodward, IA	L	104.1	C	100.00	No	1010	308	1029	41 54 09	93 54 15
KMXD 1549 NE 66th Avenue, Des Moines, 1 mi. W of I-35 City of License: Ankeny, IA	L	106.3	A	6.00	No	328	100	285	41 40 45	93 35 46
KKDM 1217 S 52nd Avenue, S of US 6, Prairie City, Jasper County City of License: Des Moines, IA	L	107.5	C1	100.00	No	705	215	699	41 38 36	93 17 21

Market overview/update: This market is new to the top 100 with this edition of the facilities book. Home to 12 FM's, a number which constitutes a fairly "normal" complement of home-city-licensed and move-in signals.

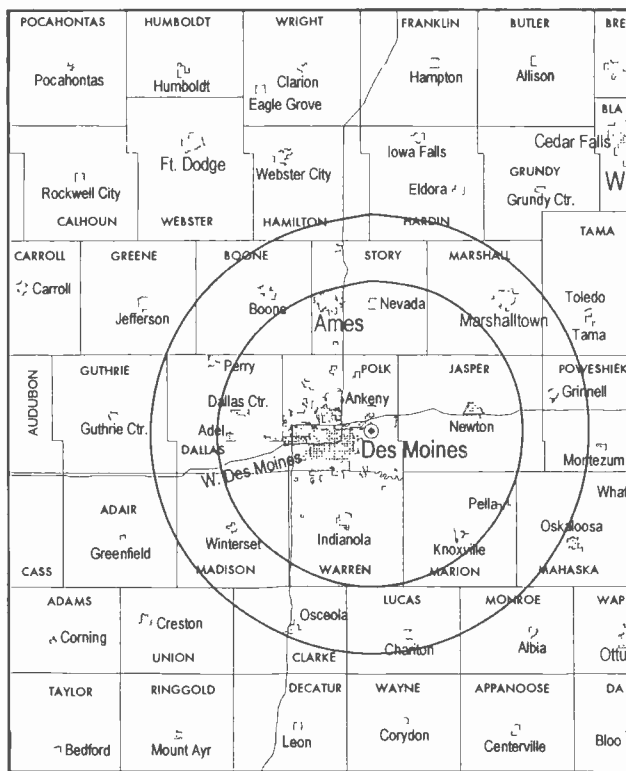
DES MOINES



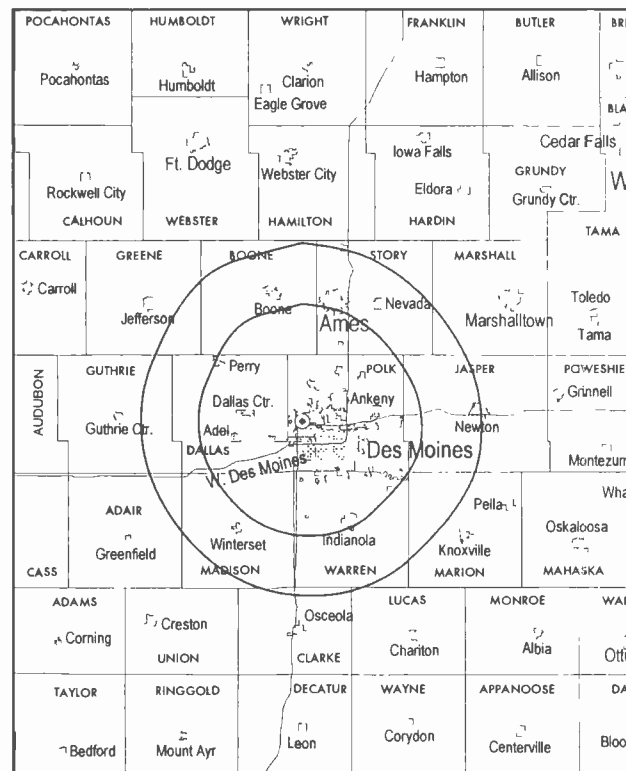
ARBITRON METRO AREA



KJJY 92.5 41/541

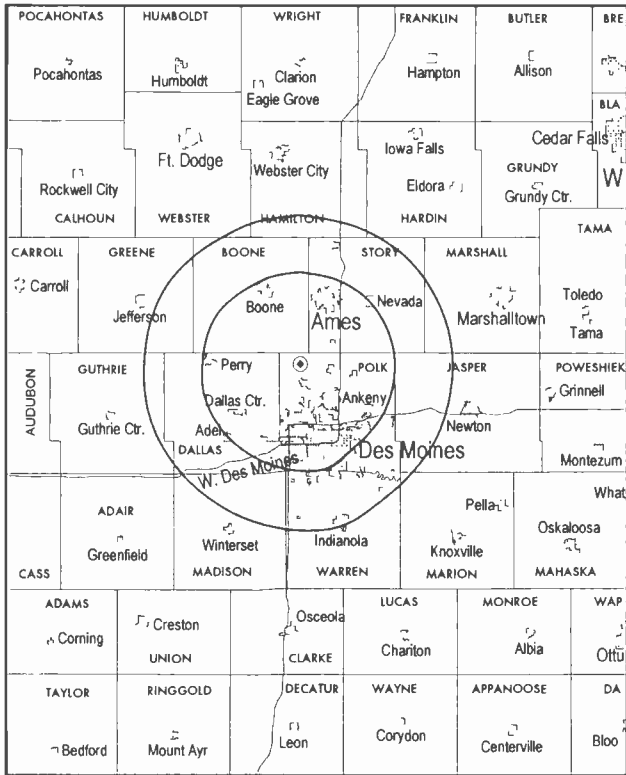


KIOA 93.3 100/1066
 KGGO 94.9 100/1066

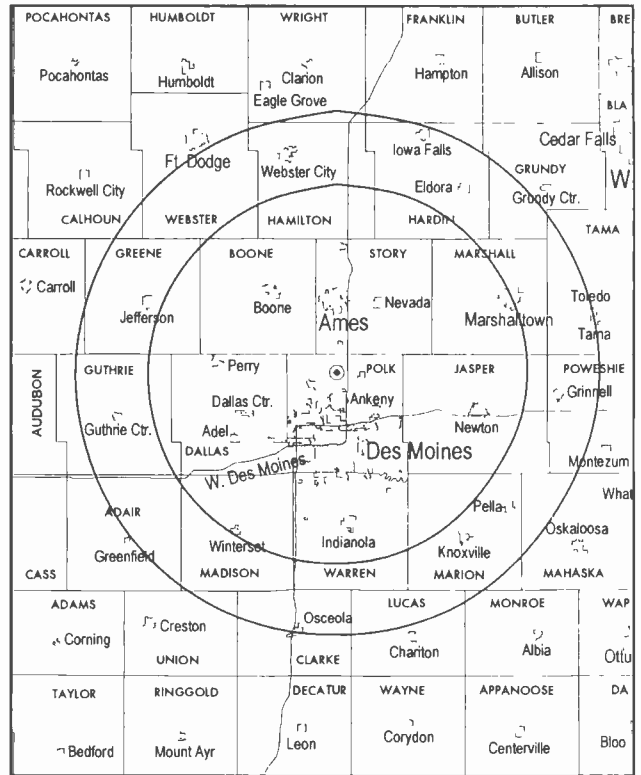


KHKI 97.3 115/450

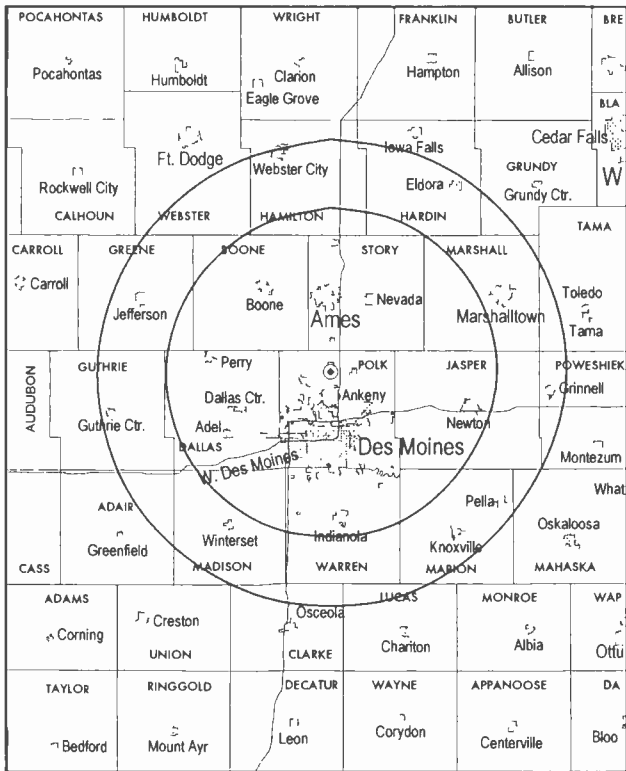
DES MOINES



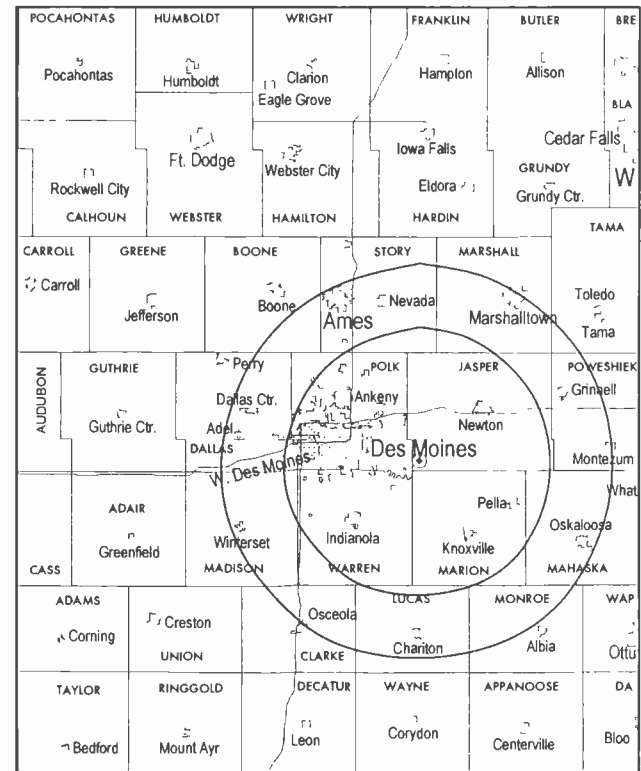
KRKQ 98.3 50/492



KLYF 100.3 100/1700

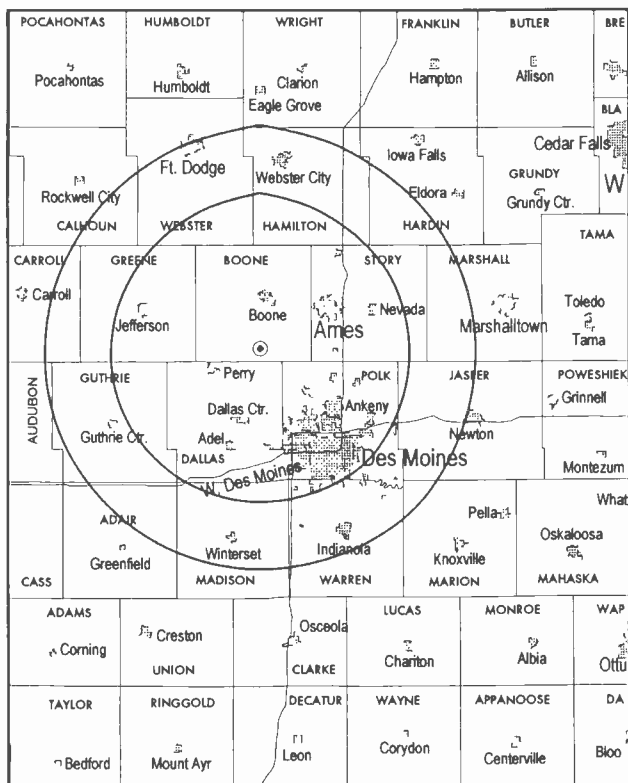


KSTZ 102.5 100/1260

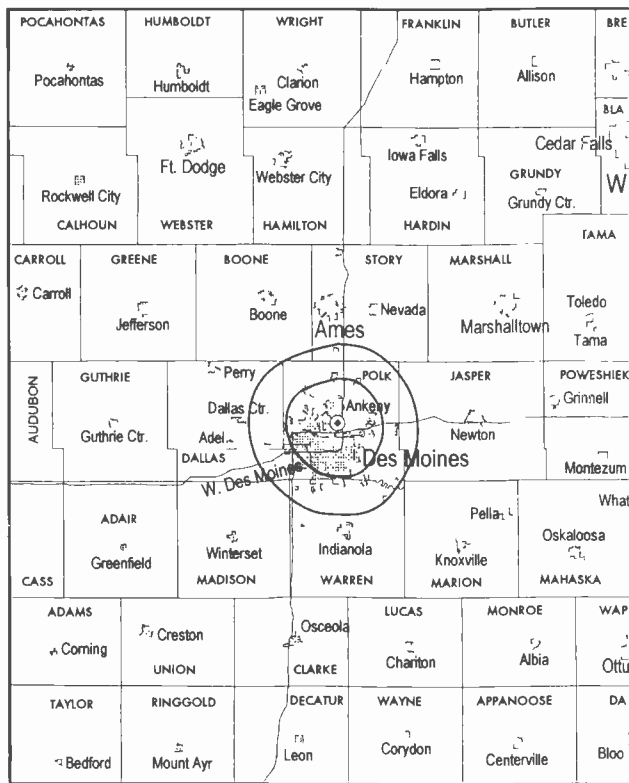


KAZR 103.3 100/745

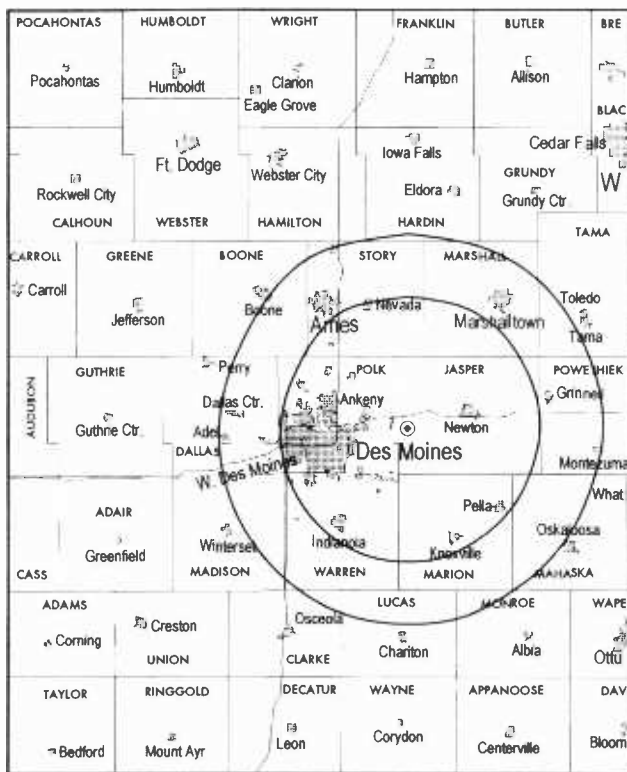
DES MOINES



KEZT 104.1 100/1010



KMXD 106.3 6/328



KKDM 107.5 100/705

DETROIT

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WMXD On tower with WWWW 106.7 atop 65 Cadillac Square, downtown Detroit City of License: Detroit, MI	L	92.3	B	21.50	Yes	459	140	560	42 19 55	83 02 42
WDRQ Multi-station FM tower, Greenfield at Ten Mile Rd., Southfield City of License: Detroit, MI	L	93.1	B	26.50	Yes	668	204	800	42 28 16	83 12 03
WCSX On tower with Ch. 62, 1 Radio Plaza, Northend & Ithaca Sts., near Oak Park City of License: Birmingham, MI	L	94.7	B	13.50	No	950	290	1000	42 27 13	83 09 50
WKQI 15401 W. Ten Mile Rd., Oak Park City of License: Detroit, MI	L	95.5	B+	100.00	No	426	131	471	42 28 22	83 11 59
WHYT On tower with WCSX 94.7 City of License: Detroit, MI	L	96.3	B	20.00	No	786	240	1000	42 27 13	83 09 50
WYST Ch. 4 tower, 26201 Greenfield, Southfield City of License: Detroit, MI	L	97.1	B	15.00	No	890	271	1068	42 28 58	83 12 19
WJLB 375 Midland, Highland Park City of License: Detroit, MI	L	97.9	B	50.00	No	490	149	497	42 24 22	83 06 44
WVMV 8009 Lyndon, Detroit City of License: Detroit, MI	L	98.7	B	50.00	No	463	141	466	42 23 42	83 08 58
WYCD On tower with WDRQ 93.1 City of License: Detroit, MI	L	99.5	B	17.50	Yes	787	240	800	42 28 16	83 12 03
WNIC 13961 Turner Avenue, Detroit City of License: Dearborn, MI	L	100.3	B	32.00	No	600	183	604	42 23 22	83 08 53
WRIF Ch. 7 tower, 20777 W. Ten Mile Rd., Southfield City of License: Detroit, MI	L	101.1	B+	27.20	No	880	268	1073	42 28 15	83 15 00
WDZR Radio Drive at Pitko Avenue, E of Gratiot Avenue, Mt. Clemens City of License: Mt. Clemens, MI	L	102.7	B	50.00	Yes	500	152	522	42 32 39	82 54 09
WMUZ 12300 Radio Place, E of Burt Rd., S of I-96, Detroit City of License: Detroit, MI	L	103.5	B	50.00	No	465	142	500	42 22 40	83 14 32
WOMC 2201 Woodward Heights Blvd., Ferndale City of License: Detroit, MI	L	104.3	B+	190.00	No	360	110	413	42 28 25	83 06 56

DETROIT

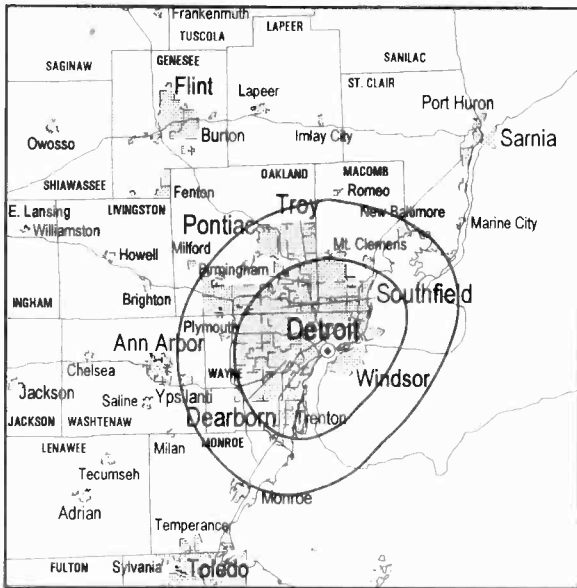
WQRS	L	105.1	B	20.00	No	784	239	800	42 28 16	83 12 03
On tower with WDRQ 93.1										
City of License: Detroit, MI										
WCHB	L	105.9	B	20.00	Yes	724	221	800	42 28 16	83 12 03
On tower with WDRQ 93.1										
City of License: Detroit, MI										
WWWW	L	106.7	B+	61.00	No	510	155	560	42 19 55	83 02 42
On tower with WMXD 92.3										
City of License: Detroit, MI										
WGPR	L	107.5	B	50.00	No	375	110	388	42 21 28	83 08 56
Atop 5057 Woodward Avenue, Detroit										
City of License: Detroit, MI										

Market overview/update: No new entrants or major upgrades since 1989. WMXD moved from atop the Renaissance Center to a different downtown location, the mast atop 65 Cadillac Square. No other significant changes in this market for several years.

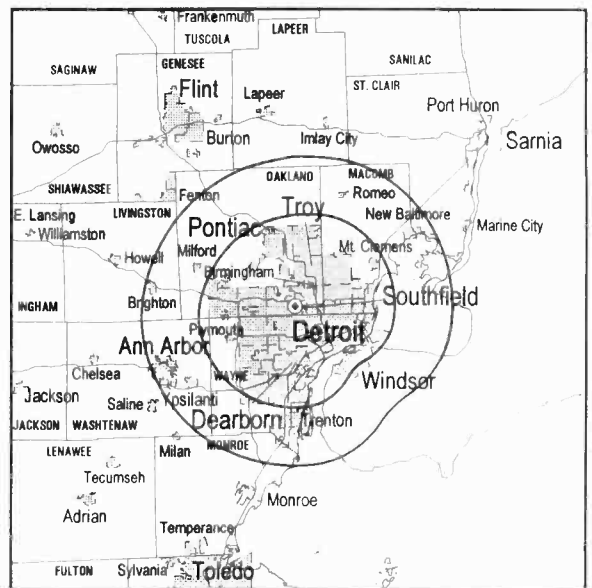


ARBITRON METRO

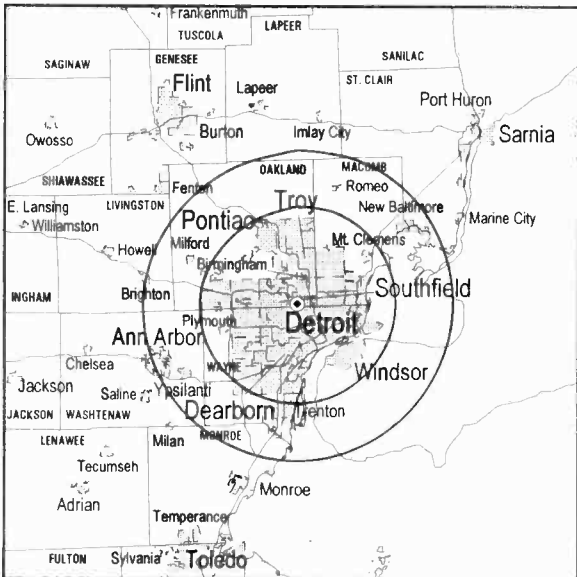
DETROIT



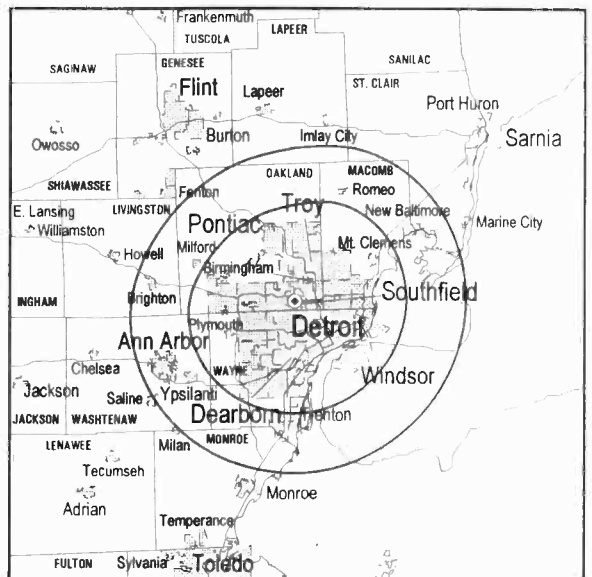
WMXD 92.3 21.5/459



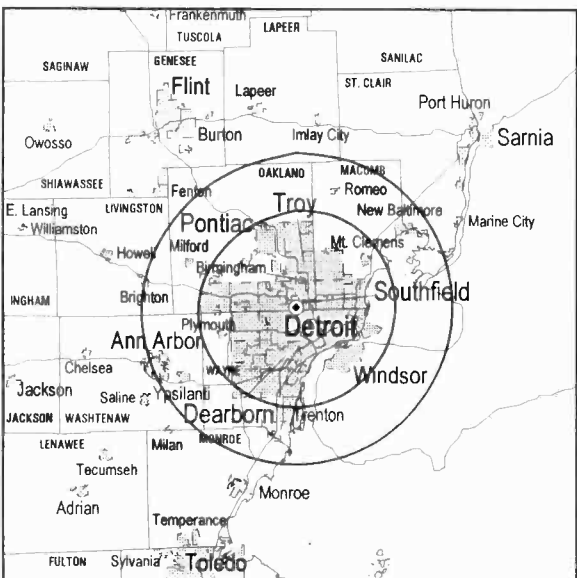
WDRQ 93.1 26.5/668



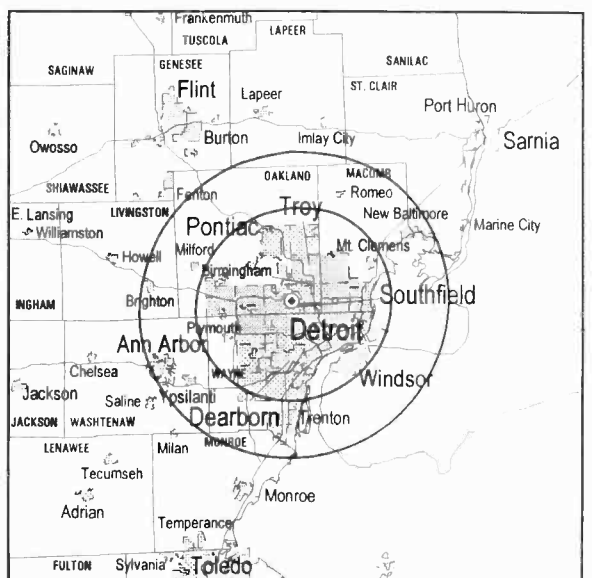
WCSX 94.7 13.5/950



WKQI 95.5 100/426

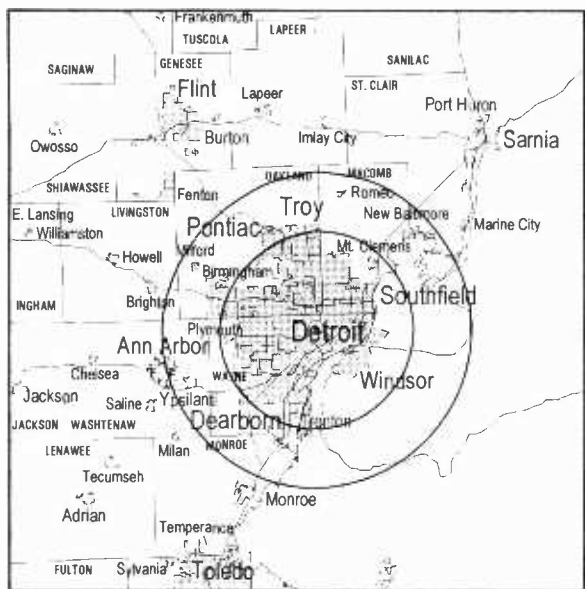


WHYT 96.3 20/786

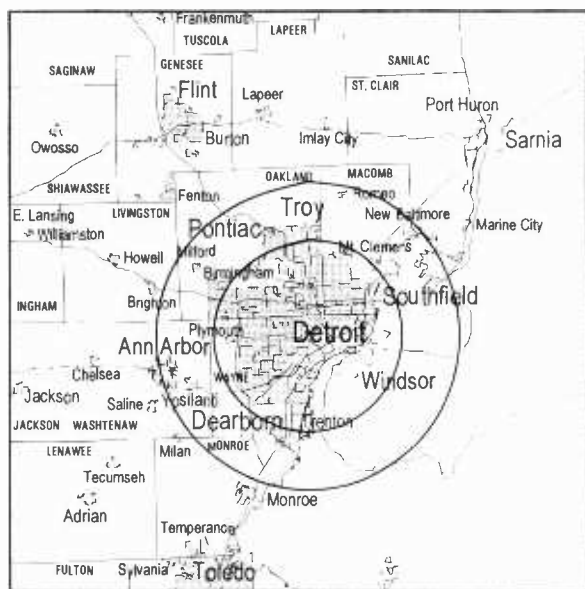


WYST 97.1 15/890

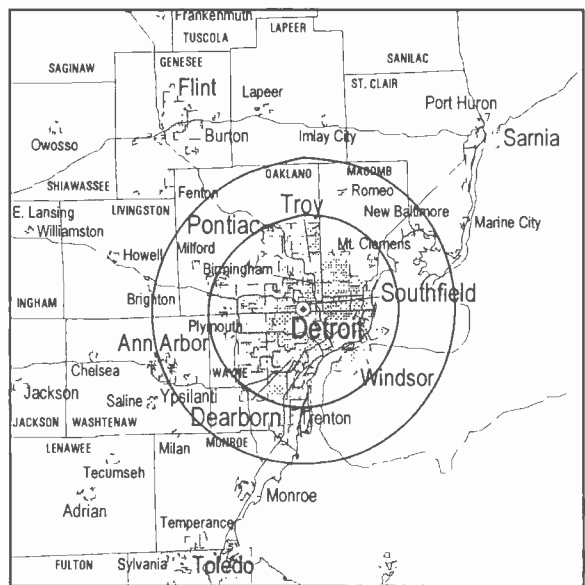
DETROIT



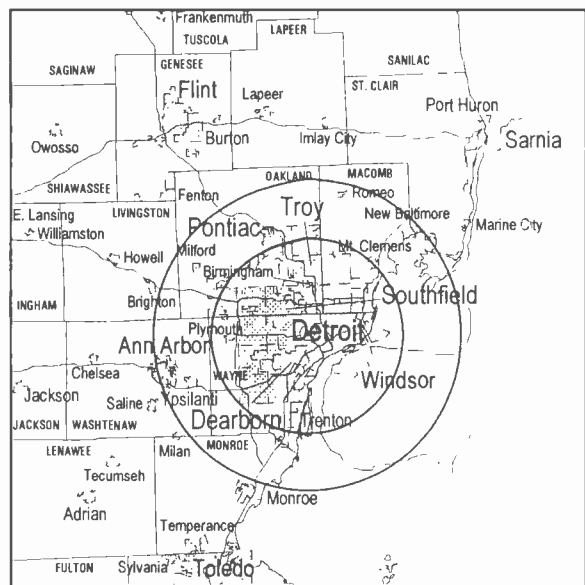
WJLB 97.9 50/490



WVMV 98.7 50/463



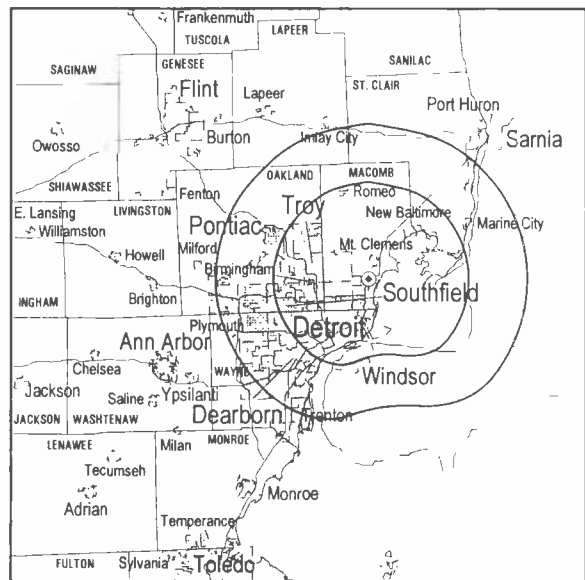
WYCD 99.5 17.5/787



WNIC 100.3 32/600



WRIF 101.1 27.2/880

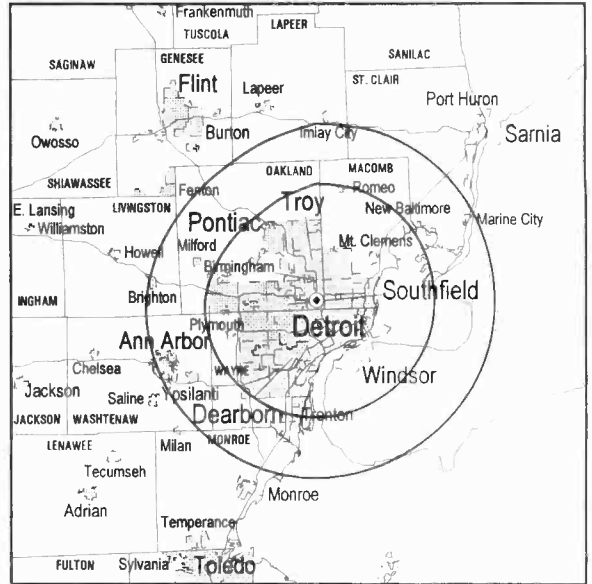


WDZR 102.7 50/500

DETROIT



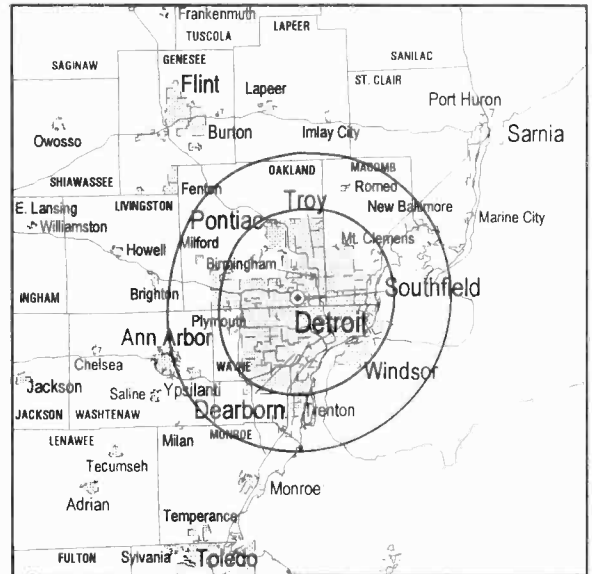
WMUZ 103.5 50/465



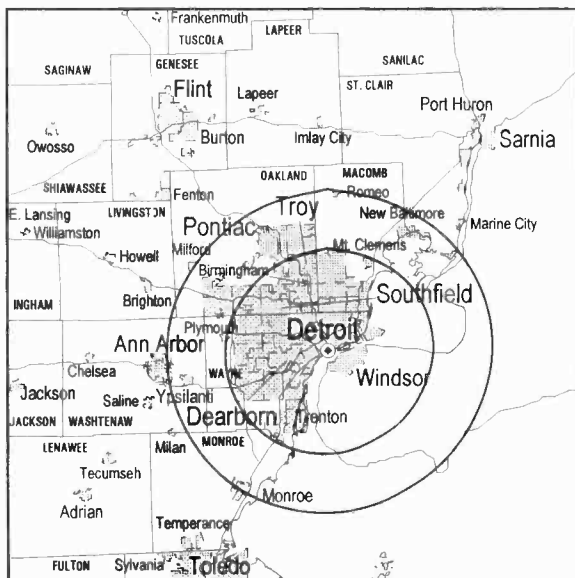
WOMC 104.3 190/360



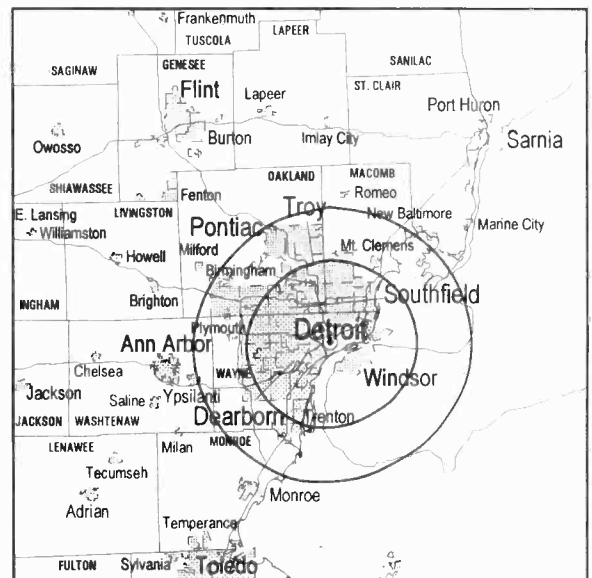
WQRS 105.1 20/784



WCHB 105.9 20/724



WWWV 106.7 61/510



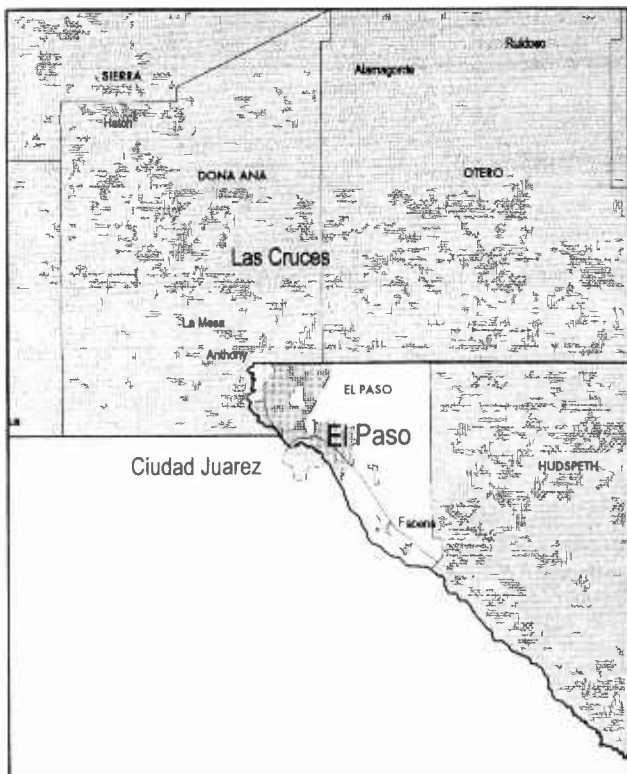
WGPR 107.5 50/375

EL PASO

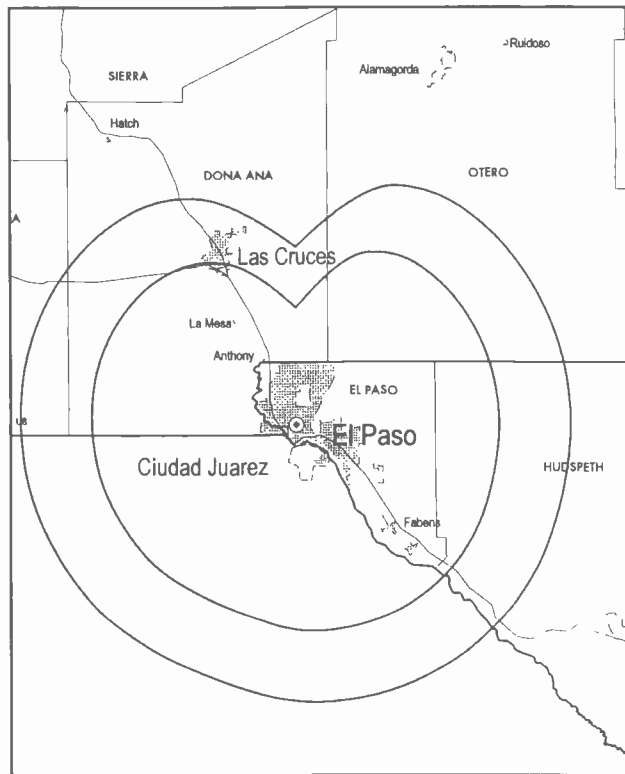
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KOFX Franklin Mts., N of Ranger Peak City of License: El Paso, TX	L	92.3	C	100.00	No	1860	567	324	31 48 55	106 29 20
KSII Commanche Peak, Franklin Mountains City of License: El Paso, TX	L	93.1	C	100.00	No	1420	433	410	31 47 46	106 28 57
KINT Commanche Peak, Franklin Mtns. City of License: El Paso, TX	L	93.9	C	100.00	No	1420	433	410	31 47 46	106 28 57
KSET Ch. 4 auxillary tower, South slope, Commanche Peak, Franklin Mtns. City of License: El Paso, TX	L	94.7	C	100.00	No	1194	364	289	31 47 34	106 28 47
KLAQ Diplexed with KHEY 96.3, Commanche Peak, Franklin Mtns. City of License: El Paso, TX	L	95.5	C	100.00	No	1388	424	250	31 47 47	106 28 55
KHEY Diplexed with KLAQ 95.5 City of License: El Paso, TX	L	96.3	C	100.00	No	1388	424	250	31 47 47	106 28 55
KBNA Ch. 4 auxillary tower, Franklin Mtns. City of License: El Paso, TX	L	97.5	C	100.00	No	1088	331	289	31 47 34	106 28 47
KTSM Ch. 9 tower, Ranger Peak, Franklin Mtns. City of License: El Paso, TX	L	99.9	C	100.00	No	1820	555	370	31 48 19	106 28 57
KPRR Ch. 4 auxillary tower, Franklin Mtns. City of License: El Paso, TX	L	102.1	C	100.00	No	1190	363	289	31 47 34	106 28 47
KPAS 1398 FM Rd 1110, Fabens City of License: Fabens, TX	L	103.1	A	3.00	No	300	91	405	31 35 42	106 11 58

All of El Paso's major FM's transmit from sites at various points in the Franklin Mountain range, which provide very good coverage of the entire metro area, including Ciudad Juarez, Mexico. All changes in the last five years have involved modest improvements to facilities already located at sites in this mountain range. No significant new signals in recent years.

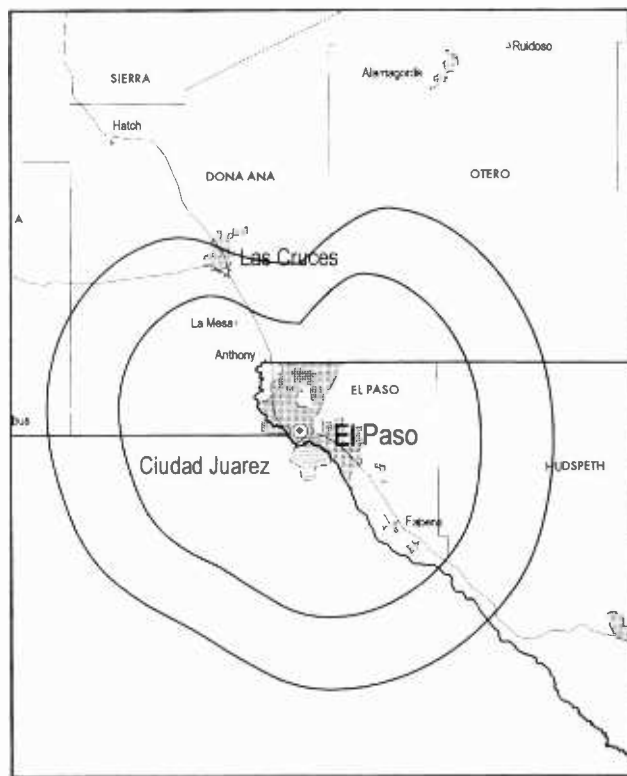
EL PASO



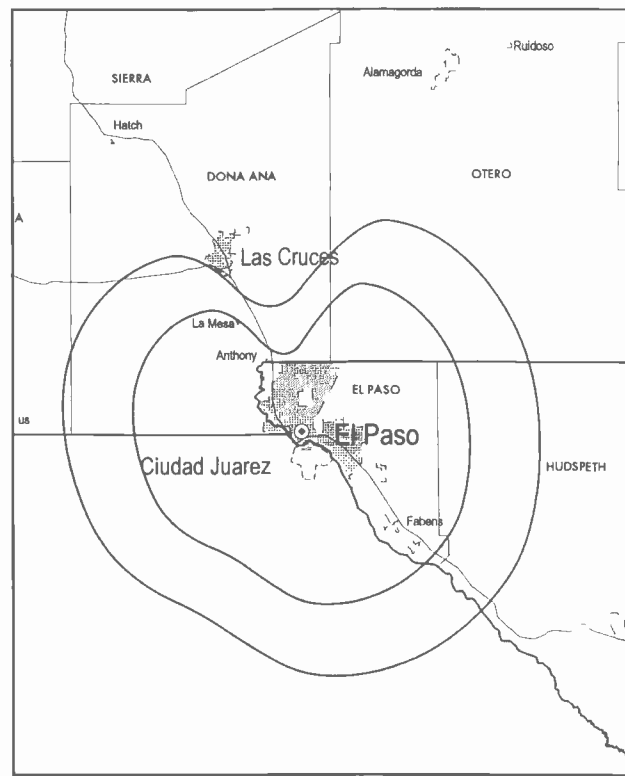
ARBITRON METRO AREA
(Metro is El Paso County)



KOFX 92.3 100/1860

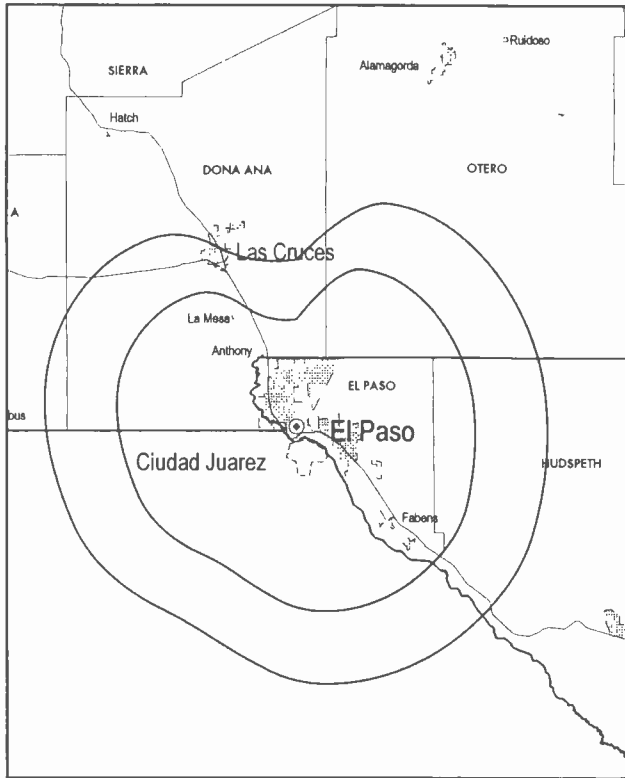


KSII 93.1 100/1420
KINT 93.9 100/1420

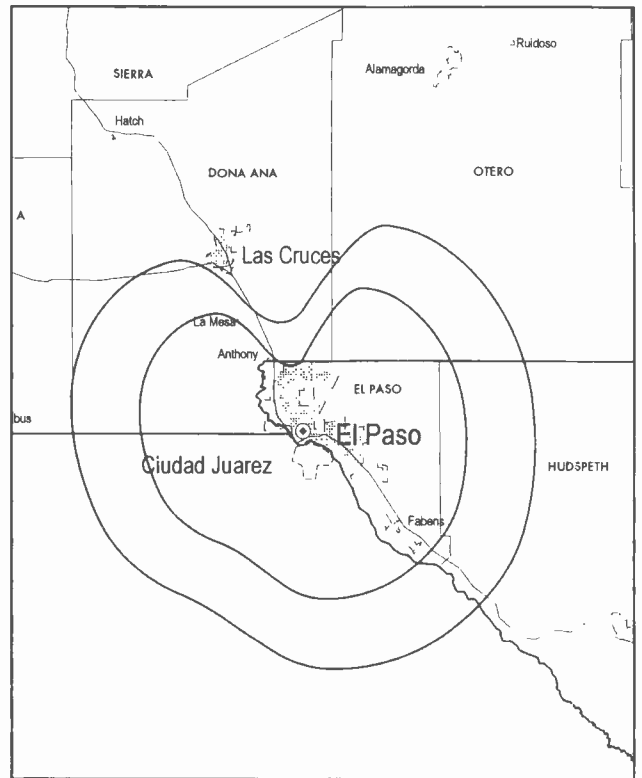


KSET 94.7 100/1194
KPRR 102.1 100/1190

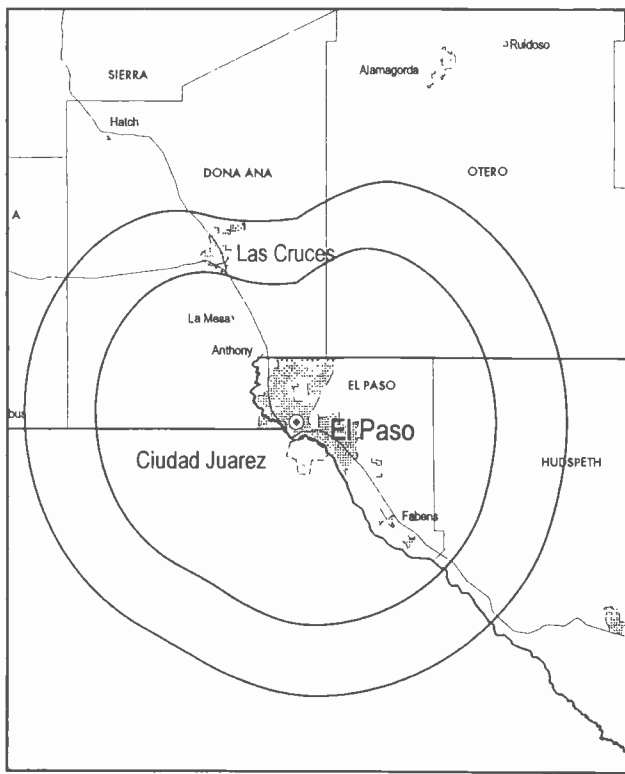
EL PASO



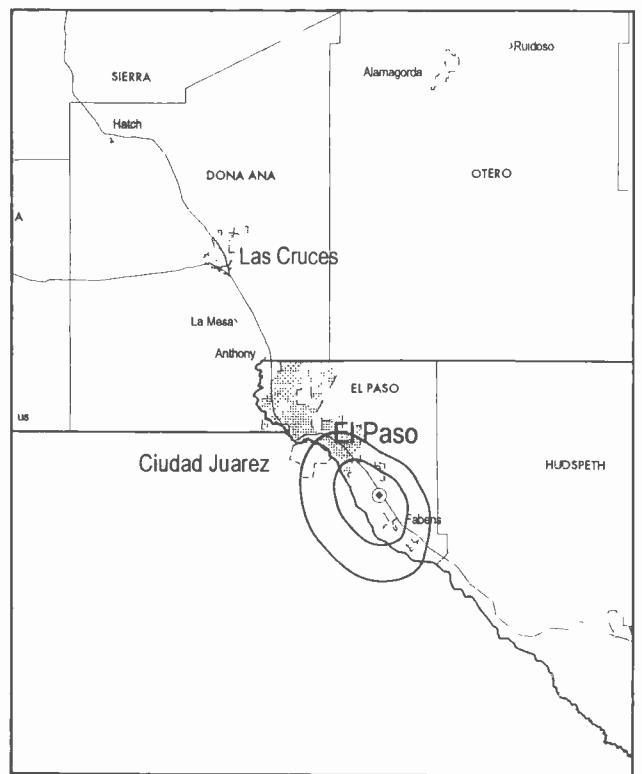
KLAQ 95.5 100/1388
 KHEY 96.3 100/1388



KBNA 97.5 100/1088



KTSM 99.9 100/1820



KPAS 103.1 3/300

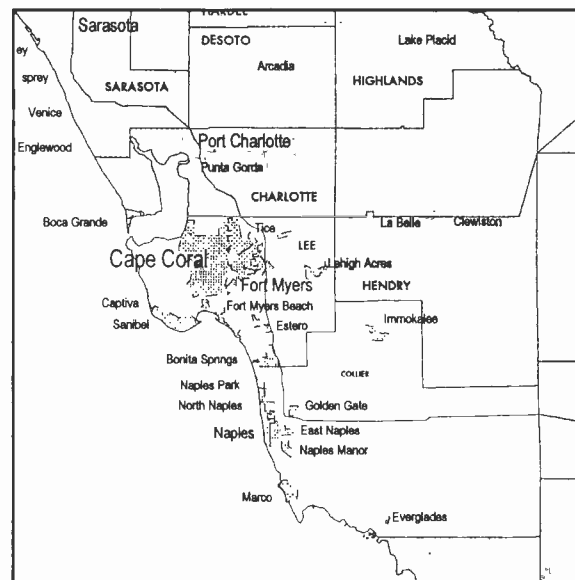
FORT MYERS - NAPLES

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WIKX 4810 Deltona Drive, Punta Gorda City of License: Punta Gorda, FL	L	92.9	C2	50.00	No	361	110	377	26 53 37	82 03 03
WNOG 0.25 mi E of County Barn Rd., 1 mi S of Davis Blvd., 3.5 mi ESE of downtown Naples City of License: Naples, FL	L	93.5	A	3.00	No	300	91	314	26 07 21	81 43 22
WARO 0.4 mi. S of E. Terry Street, 4 mi. E of Bonita Springs City of License: Naples, FL	L	94.5	C	100.00	No	1012	309	1039	26 20 26	81 42 48
WOLZ 16341 Old US 41 South, Ft. Myers City of License: Ft. Myers, FL	L	95.3	C1	79.00	No	476	145	500	26 30 18	81 51 14
WRXK Ch. 26 tower, 21990 Carter Rd., Estero City of License: Bonita Springs, FL	L	96.1	C	100.00	No	1119	341	1224	26 25 22	81 37 49
WINK Ch. 11 tower, on FL 31, 3.8 mi. S of Tuckers Corner City of License: Ft. Myers, FL	L	96.9	C	100.00	No	1322	403	1475	26 48 01	81 45 48
WDRR On tower with WOLZ 95.3 City of License: San Carlos Park, FL	L	98.5	A	2.20	No	371	113	500	26 30 18	81 51 14
WGUF US 41, 4 mi. NW of its junction with FL 92, SE of Naples Manor City of License: Marco, FL	L	98.9	A	4.10	No	328	100	338	26 01 50	81 38 33
WJBX On tower with WOLZ 93.5 City of License: Ft. Myers Beach, FL	L	99.3	C2	50.00	No	285	87	500	26 30 18	81 51 14
WFSN 5400 Easy St., Bokeelia, FL City of License: Port Charlotte, FL	L	100.1	C1	100.00	No	476	145	500	26 37 25	82 06 56
WAVV 1753 Benton Rd., 14 mi. E of Naples City of License: Marco, FL	L	101.1	C1	100.00	No	982	299	1022	26 10 57	81 34 32
WWGR Off Corkscrew Rd., 1.75 mi. S of Carter Rd., E of Estero City of License: Ft. Myers, FL	L	101.9	C	100.00	No	991	302	1022	26 25 23	81 37 07
WSGL 3 mi. SW of I-75/FL 951 interchange, 5 mi. ESE of downtown Naples City of License: Naples, FL	L	103.1	C3	14.00	No	440	134	452	26 07 33	81 43 17
WXKB Ch. 36 tower, 4.9 mi. SSW of Tuckers Corner City of License: Cape Coral, FL	L	103.9	C1	100.00	No	981	299	1477	26 47 43	81 48 04

FORT MYERS - NAPLES

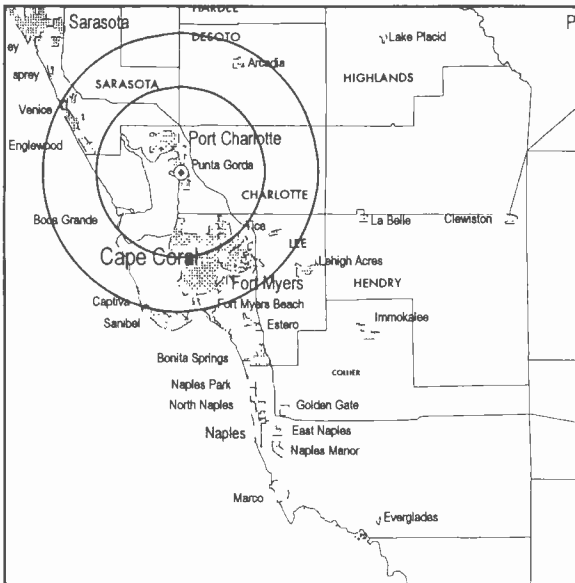
WCVU On tower with WIKX 92.9 City of License: Solana, FL	L	104.9	A	6.00	Yes	318	97	377	26 53 37	82 03 03
WXRМ On tower with WCKT 107.1 and 2 LPTV's, Channel 30 Drive, 2 mi. SSW of Bonita Springs City of License: Naples Park, FL	L	105.5	C3	6.30	No	650	198	735	26 19 00	81 47 13
WJST On tower with WOLZ 95.3 City of License: Ft. Myers Villa, FL	L	106.3	A	6.00	Yes	266	81	500	26 30 18	81 51 14
WCKT On tower with WXRМ 105.5 City of License: Lehigh Acres, FL	L	107.1	C2	25.50	No	719	216	735	26 19 00	81 47 13
WCKT CP Power increase on existing tower, theoretical coverage remains unchanged City of License: Lehigh Acres, FL	C	107.1	C2	28.50	No	650	198	735	26 19 00	81 47 13

Market overview/update: With 18 FM signals covering all or part of this recently-combined metro area, a contender for highest "signals-to-population" ratio in the top 100 markets. Recent newcomer to the top 100; not covered in our last edition. Several regionals with coverage of both cities. Each city also has several signals which do not reach the other city. Flat terrain poses few signal problems.

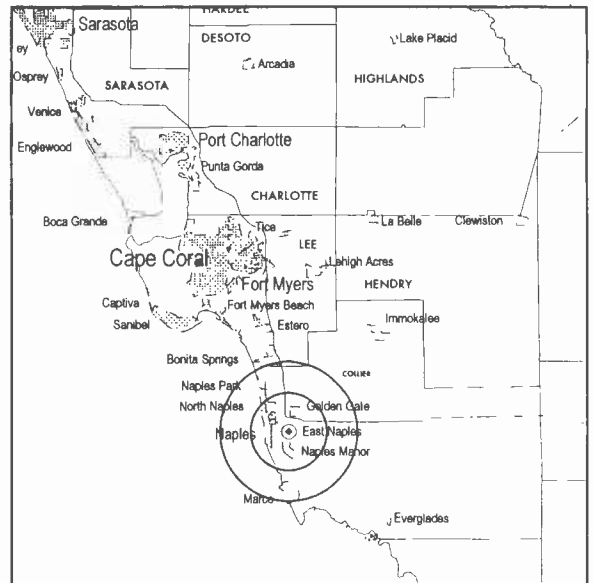


ARBITRON METRO AREA

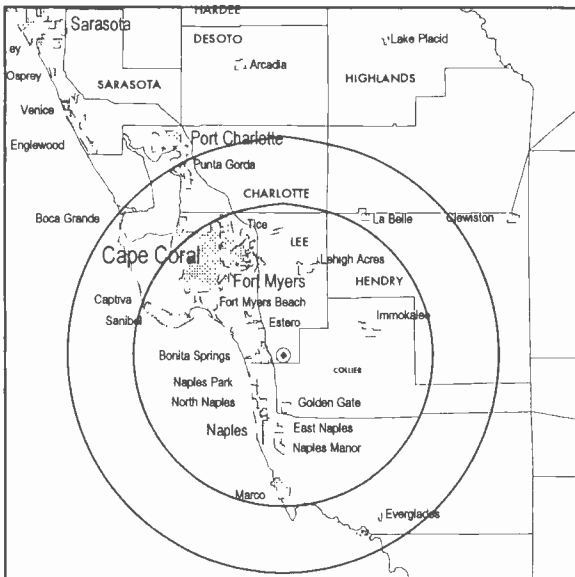
FORT MYERS - NAPLES



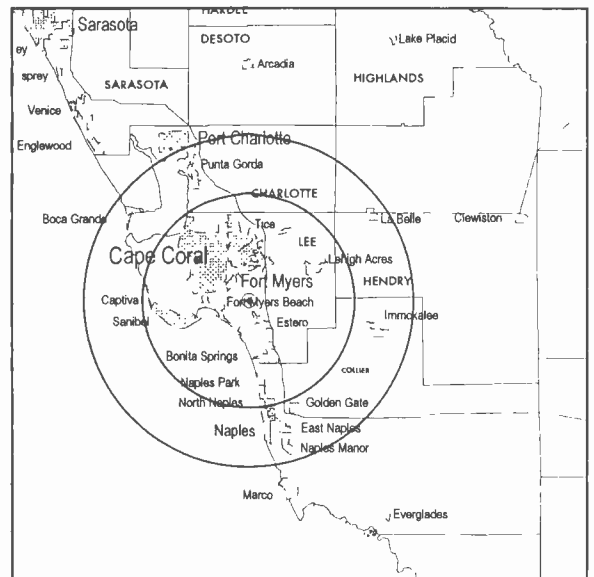
WIKX 92.9 50/361



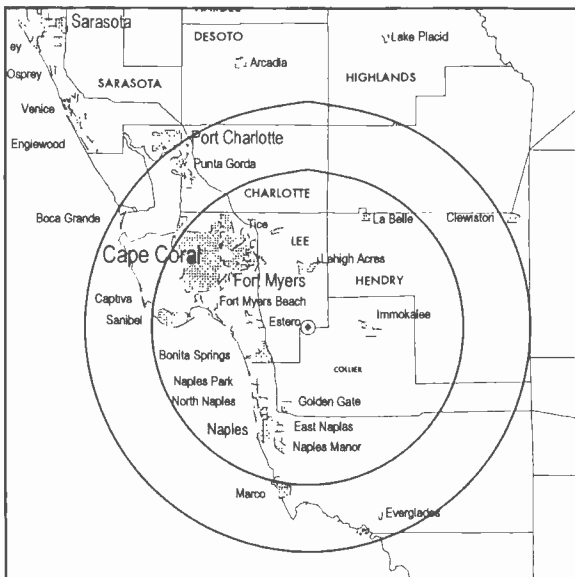
WNOG 93.5 3/300



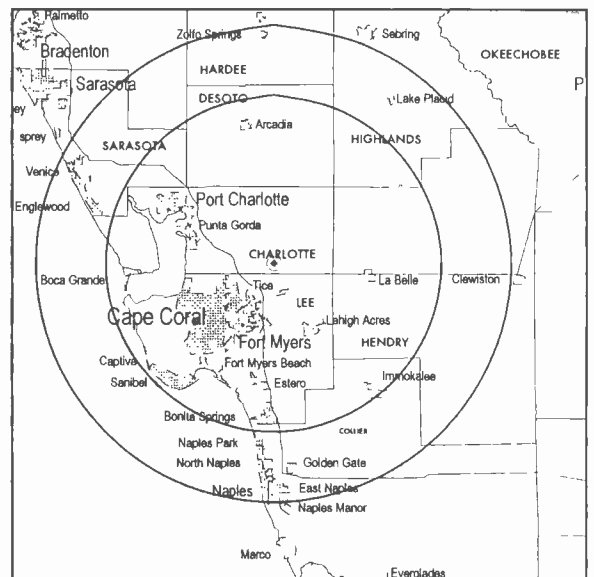
WARO 94.5 100/1012



WOLZ 95.3 79/476

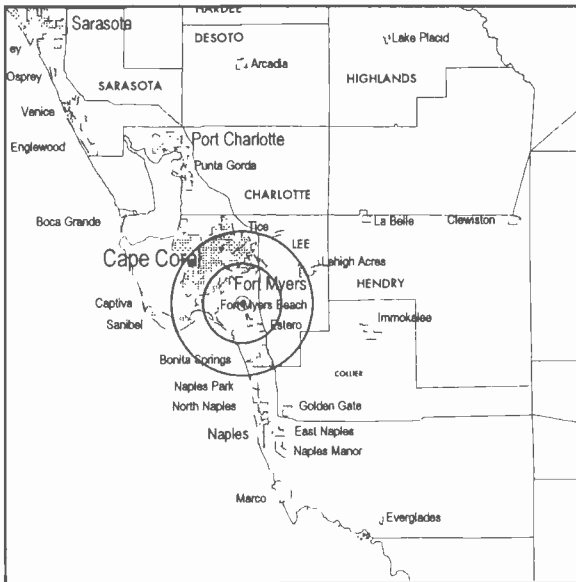


WRXK 96.1 100/1119

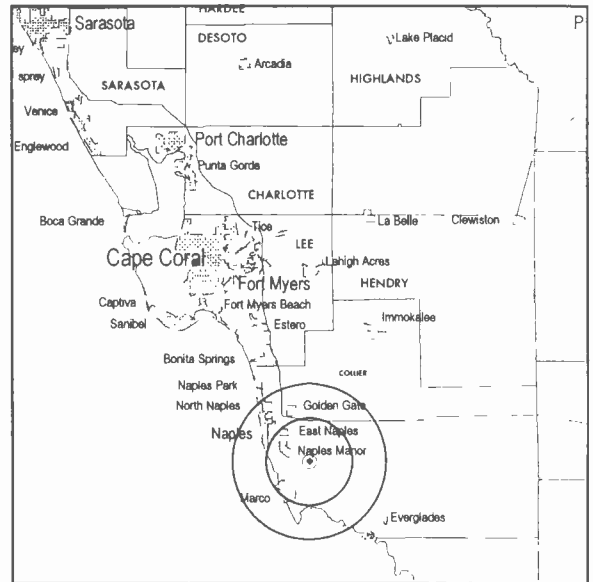


WINK 96.9 100/1322

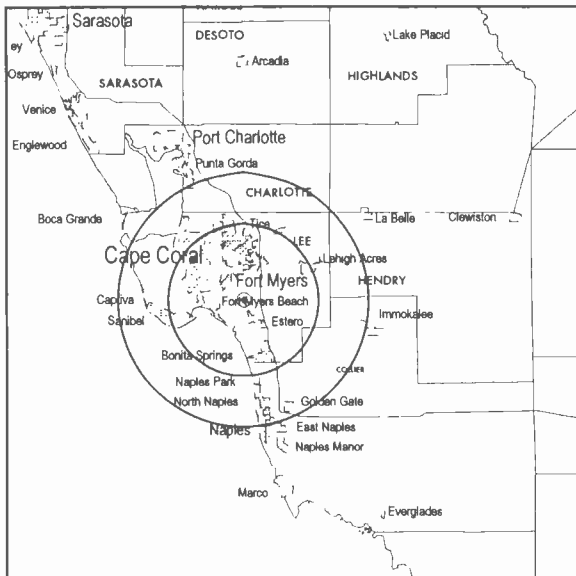
FORT MYERS - NAPLES



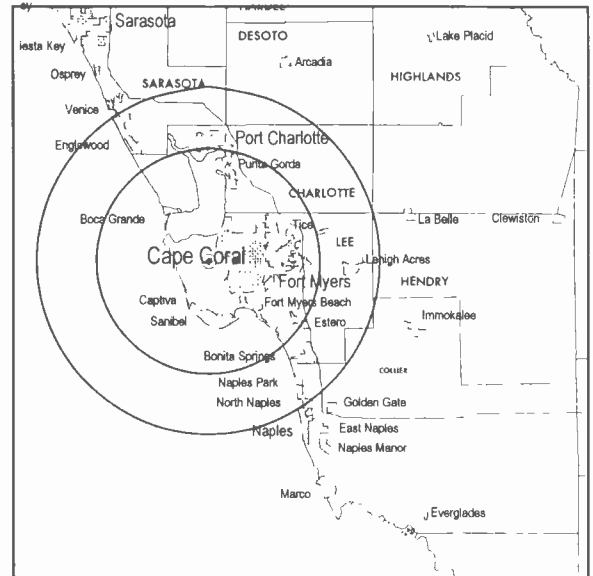
WDRR 98.5 2.2/371



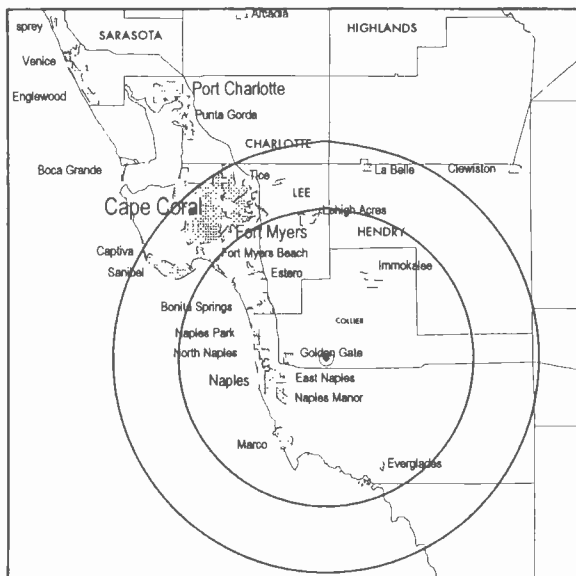
WGUF 98.9 4.1/328



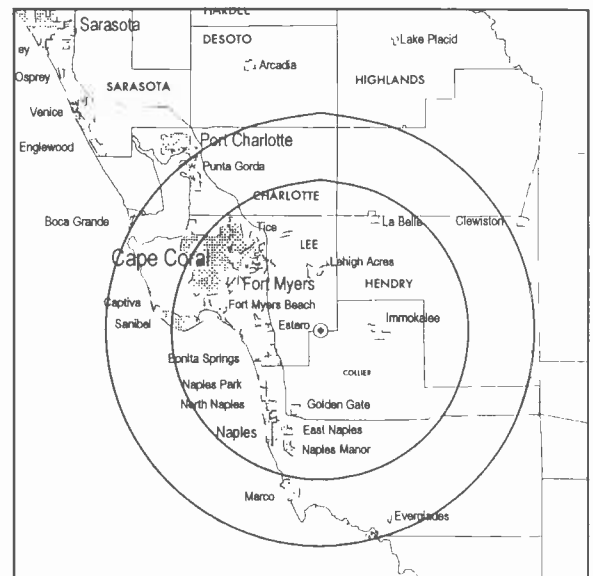
WJBX 99.3 50/285



WFSN 100.1 100/450

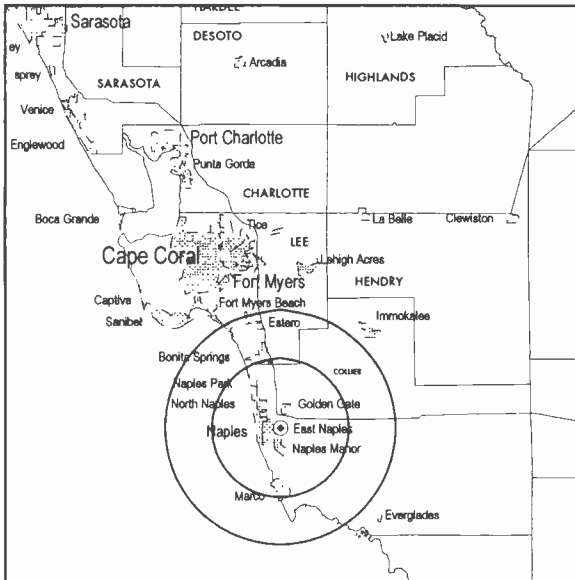


WAVV 101.1 100/982

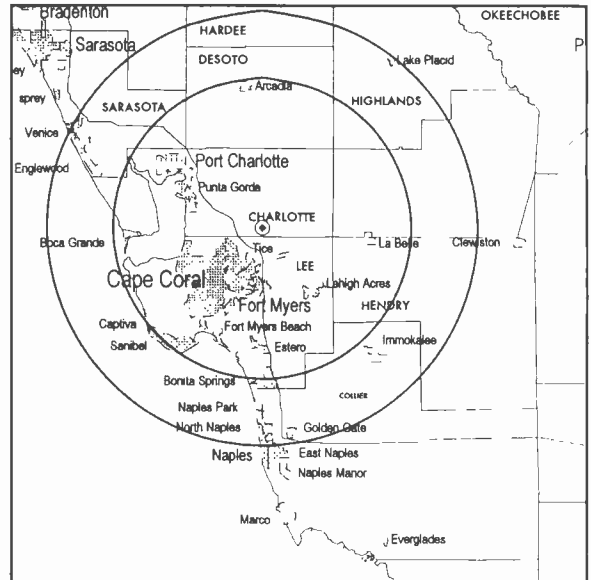


WWGR 101.9 100/991

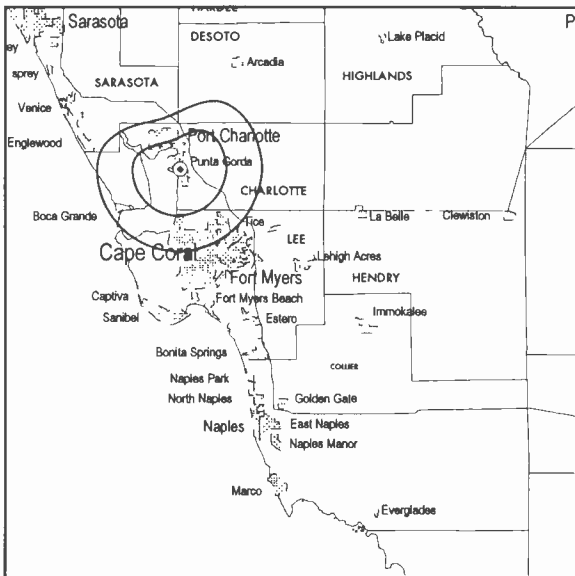
FORT MYERS - NAPLES



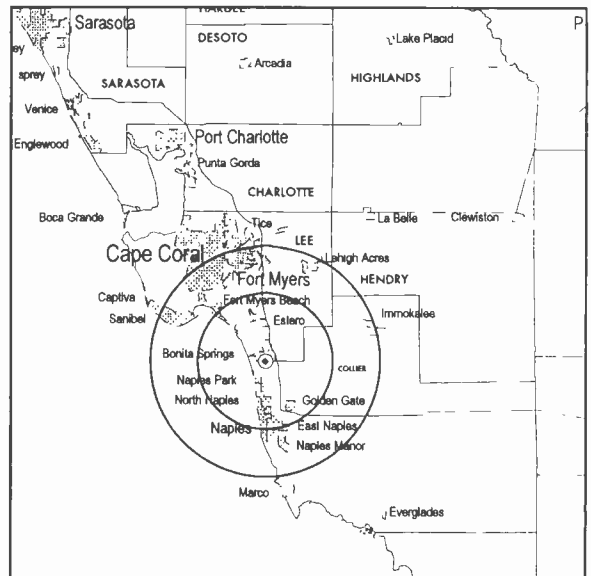
WSGL 103.1 14/440



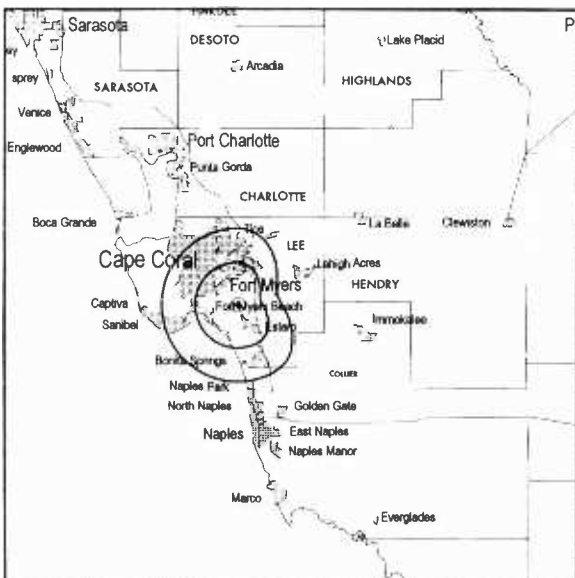
WXKB 103.9 100/981



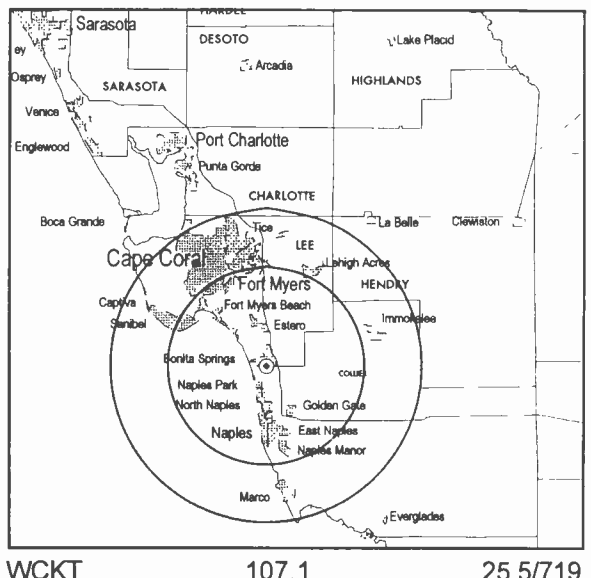
WCVU 104.9 6/318



WXRm 105.5 6.3/650



WJST 106.3 6/266



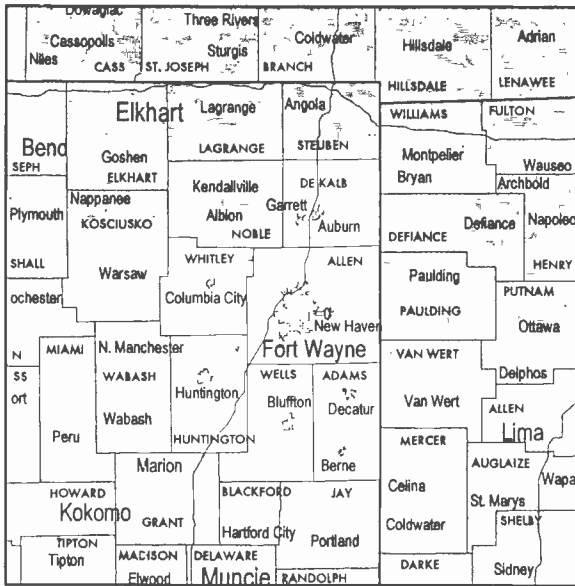
WCKT 107.1 25.5/719
WCKT CP 107.1 28.5/650

FORT WAYNE

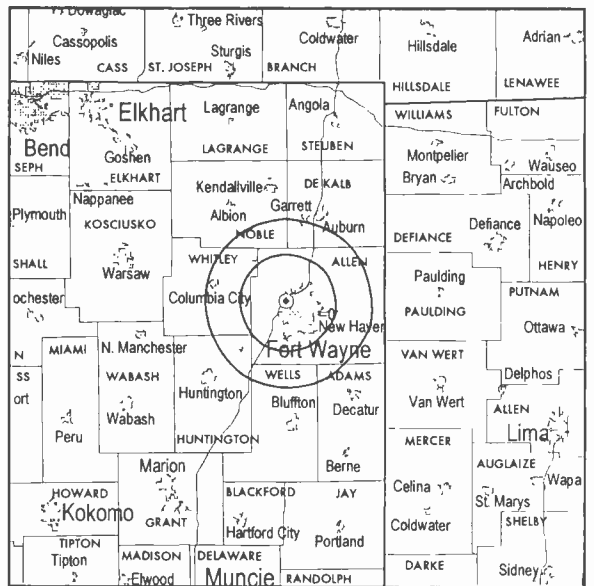
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WFWI On former WBNI 89.1 tower, 3431 Hillegas Rd., adjacent to I-69, Ft. Wayne	L	92.3	A	2.70	No	482	147	538	41 06 25	85 11 46
WBTU On IN 3, N of IN 8, 3 mi. S of Kendallville City of License: Kendallville, IN	L	93.3	B	50.00	No	492	150	450	41 23 55	85 15 08
WGL Kress Rd., 0.2 mi. W of I-69, 5 mi. ENE of Roanoke, 10 mi. SW of downtown Ft. Wayne City of License: Roanoke, IN	L	94.1	A	6.00	Yes	328	100	322	40 58 51	85 16 48
WAJI Ch. 39 tower, 3232 Hillegas Road, Ft. Wayne City of License: Fort Wayne, IN	L	95.1	B+	39.00	No	679	207	748	41 06 13	85 11 28
WMEE 3737 Hillegas Rd., Ft. Wayne City of License: Ft. Wayne, IN	L	97.3	B	26.00	No	689	210	720	41 06 42	85 11 43
WBYR Whitern and Hoagland Rds., Moore Twp., Allen County, IN City of License: Van Wert, OH	L	98.9	B	50.00	No	453	138	449	40 57 14	84 53 07
WLDE WFCV-AM 1090 array, 424 Reed Rd., Ft. Wayne City of License: Ft. Wayne, IN	L	101.7	A	3.00	No	328	100	397	41 05 02	85 04 39
WEXI US 24, near junction with Huntington County Road 675, 2.5 mi. S of Roanoke	L	103.1	A	3.00	No	300	91	375	40 55 33	85 23 15
WXKE 3530 Harris Rd., Ft. Wayne City of License: Ft. Wayne, IN	L	103.9	A	3.00	No	328	100	370	41 06 32	85 09 55
WQHK 13352 Monroeville Rd., Hoagland, Allen County, IN City of License: Decatur, IN	L	105.1	B1	13.50	Yes	449	137	433	40 58 38	84 57 58
WDJB Whitley County Roads 700 E and 400 S, SE of Coesse City of License: Columbia City, IN	L	106.3	A	1.95	No	407	124	374	41 06 25	85 21 34
WMRI W end of Indian Hills Drive, just W of IN 9/37, N side of Marion City of License: Marion, IN	L	106.9	B	50.00	No	500	152	535	40 35 52	85 39 21
WJFX WQHK-AM 1380 array, 2915 Maples Rd., Ft. Wayne City of License: New Haven, IN	L	107.9	A	2.50	Yes	358	109	368	41 00 10	85 05 50

Market overview/update: This market is new to Arbitron's top 100 with this edition. There has been much move-in/upgrade activity in the last five years. Ft. Wayne now has 13 competing FM signals, a fairly high number considering the market's population and revenues.

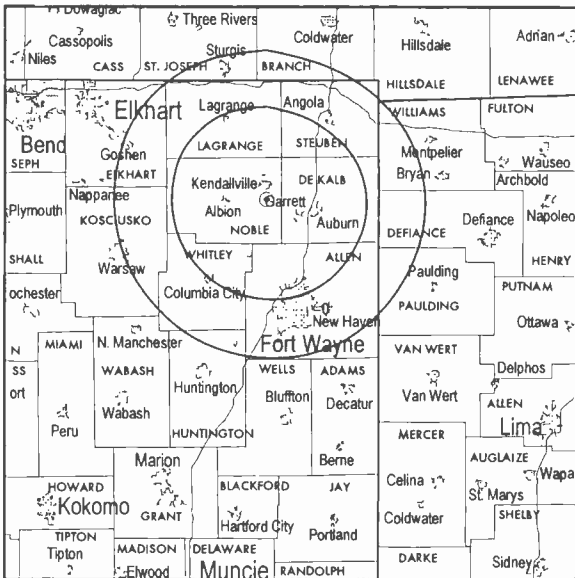
FORT WAYNE



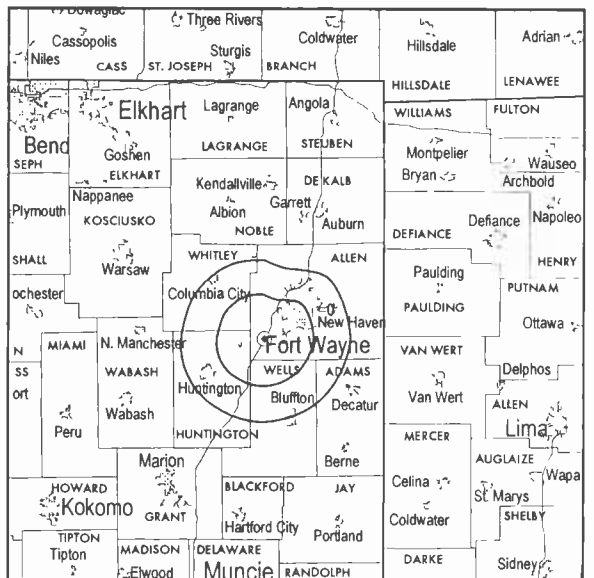
ARBITRON METRO AREA



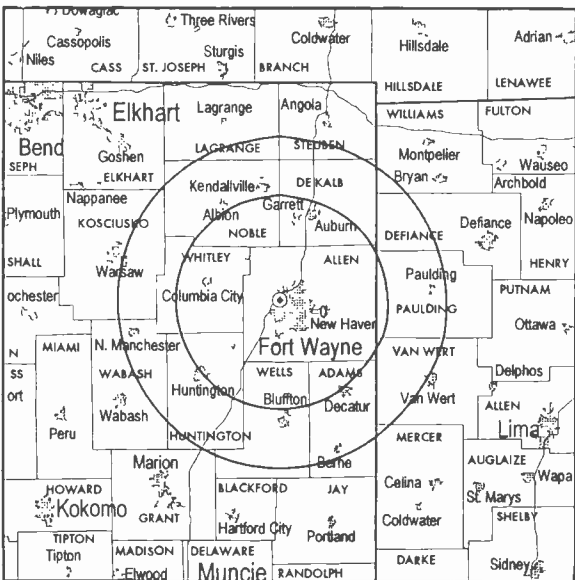
WFWI 92.3 2.7/482



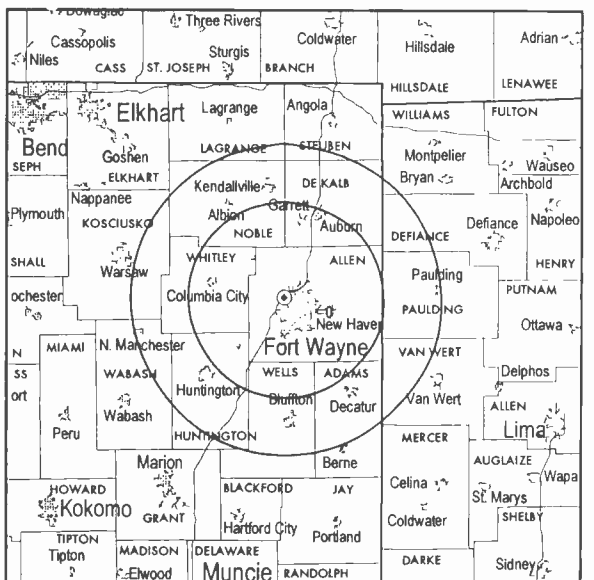
WBTU 93.3 50/492



WGL 94.1 6/328

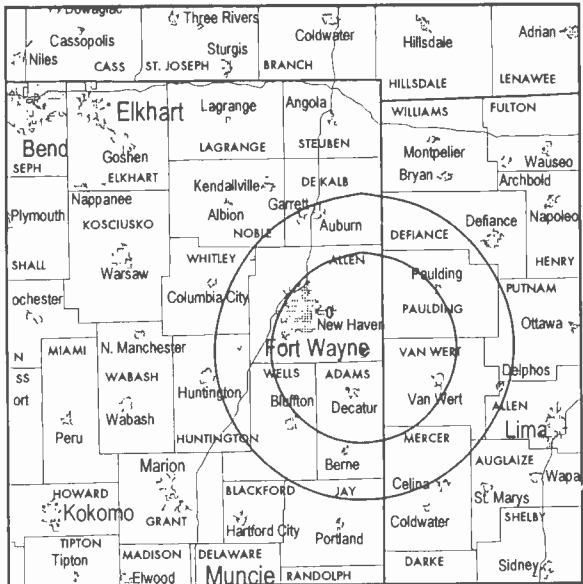


WAJI 95.1 39/679



WMEE 97.3 26/689

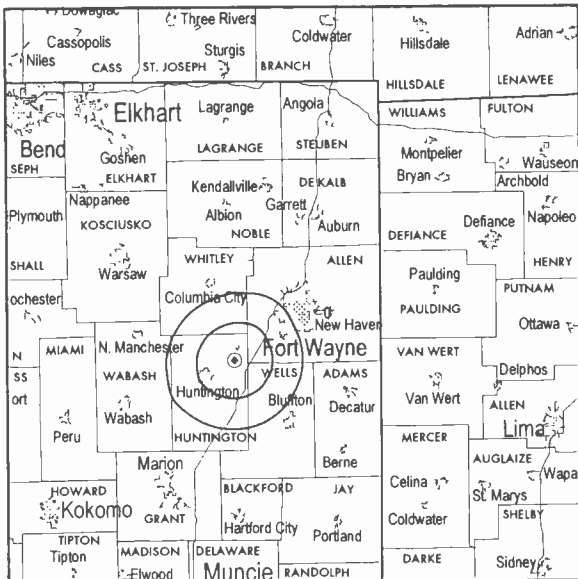
FORT WAYNE



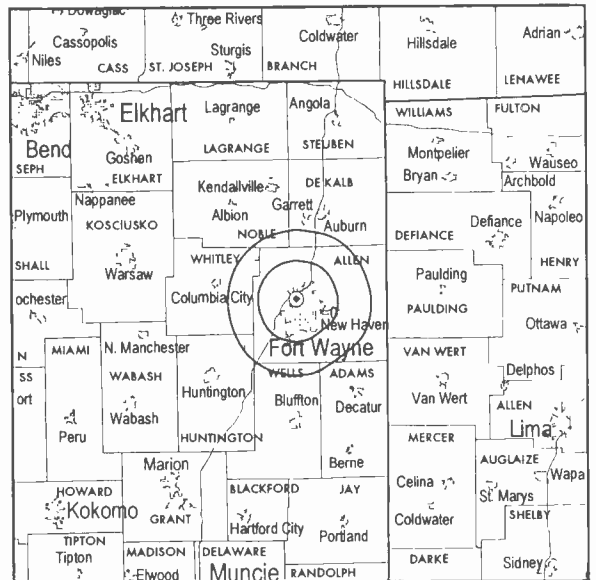
WBVR 98.9 50/453



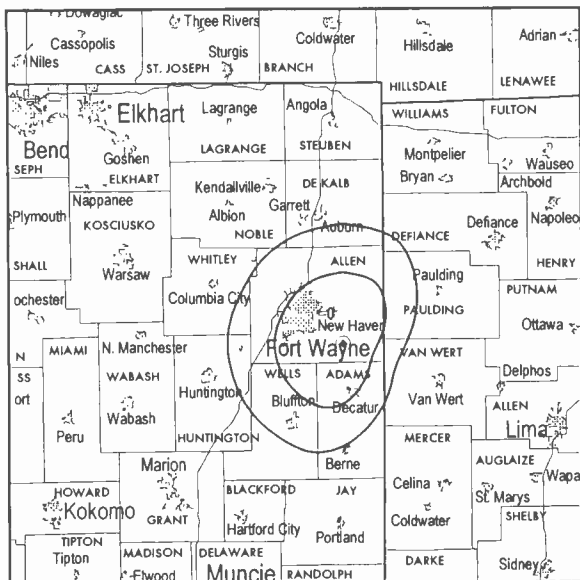
WLDE 101.7 3/328



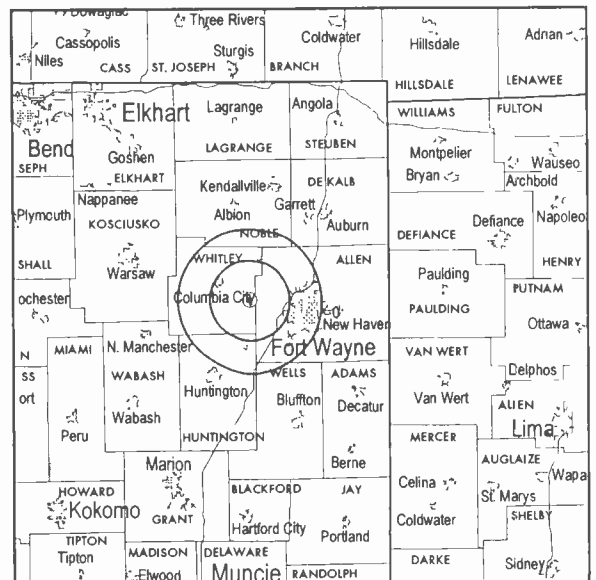
WEXI 103.1 3/300



WXKE 103.9 3/328

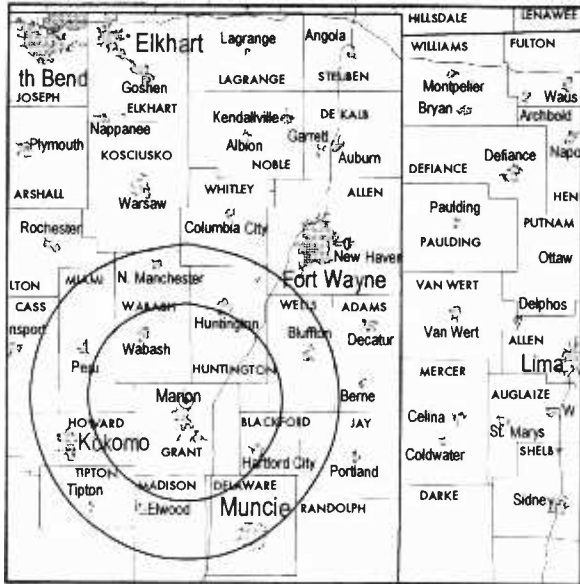


WQHK 105.1 13.5/449

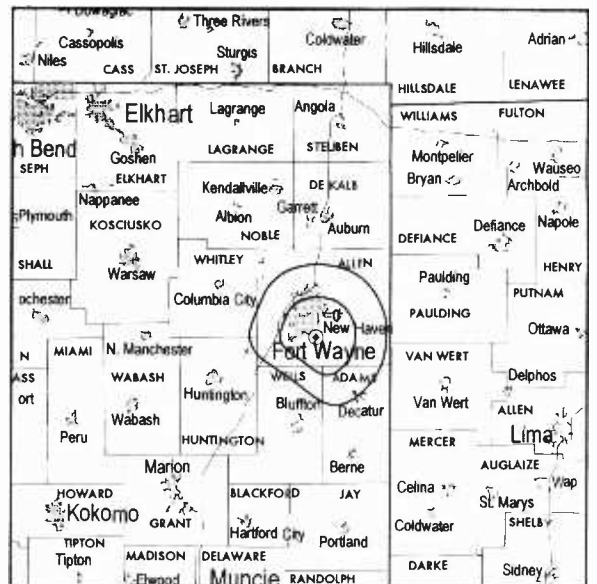


WDJB 106.3 1.95/407

FORT WAYNE



WMRI 106.9 50/500



WJFX 107.9 2.5/358

FRESNO

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KZFO KHOT-AM 1250 array, 28180 Avenue 15 at Hospital Ditch Rd. (Road 28), NE side of Madera City of License: Madera, CA	L	92.1	B1	25.00	No	312	95	322	36 57 58	120 02 06
KFSO Eshom Point, 5 mi. E of Badger, Sierra Nevada Mtns. (El. 5120') City of License: Visalia, CA	L	92.9	B	17.50	No	853	260	125	36 38 10	118 56 34
KSKS Fresno television antenna farm, Bald Mtn., Meadow Lakes (El. 4403') City of License: Fresno, CA	L	93.7	B+	68.00	No	1912	582	163	37 04 44	119 25 47
KTAA 16349 W. Neilson at Modoc, 1.7 mi. WNW of Kerman City of License: Kerman, CA	L	94.3	A	3.00	No	328	100	324	36 44 29	120 05 08
KBOS Eshom Point City of License: Tulare, CA	L	94.9	B	16.50	No	847	259	200	36 38 15	118 56 35
KJFX Keys Mtn., near Millerton and Toll House Rds., NE of Clovis City of License: Fresno, CA	L	95.7	B	17.50	No	850	259	160	36 56 55	119 29 09
KEZL Chestnut Ave. at North Ave., SE of downtown Fresno City of License: Fowler, CA	L	96.7	B1	25.00	Yes	328	100	325	36 41 39	119 43 57
KSEQ Eshom Point City of License: Visalia, CA	L	97.1	B	17.00	No	777	237	101	36 38 08	118 56 32
KNAX On tower with KOQO 101.9, Meadow Lakes Antenna farm City of License: Fresno, CA	L	97.9	B	2.10	No	1988	606	203	37 04 29	119 25 52
KJOI Eshom Point City of License: Dinuba, CA	L	98.9	B	19.00	No	820	250	122	36 38 15	118 56 35
KJWL Atop 2220 Tulare St., downtown Fresno City of License: Fresno, CA	L	99.3	A	5.00	No	348	106	341	36 44 07	119 47 10
KRBT Owens Mtn., S of Auberry Rd., N of Clovis (El. 1608') City of License: Fresno, CA Note:	L	101.1	B	10.00	No	1076	328	98	36 55 48	119 38 27
KOQO On tower with KNAX 97.9, Meadow Lakes antenna farm City of License: Fresno, CA	L	101.9	B	2.25	No	1948	594	203	37 04 29	119 25 52
KTHT Round Mtn., 14.5 mi. E of Fresno City of License: Fresno, CA	L	102.7	B	50.00	No	500	152	313	36 49 07	119 30 33

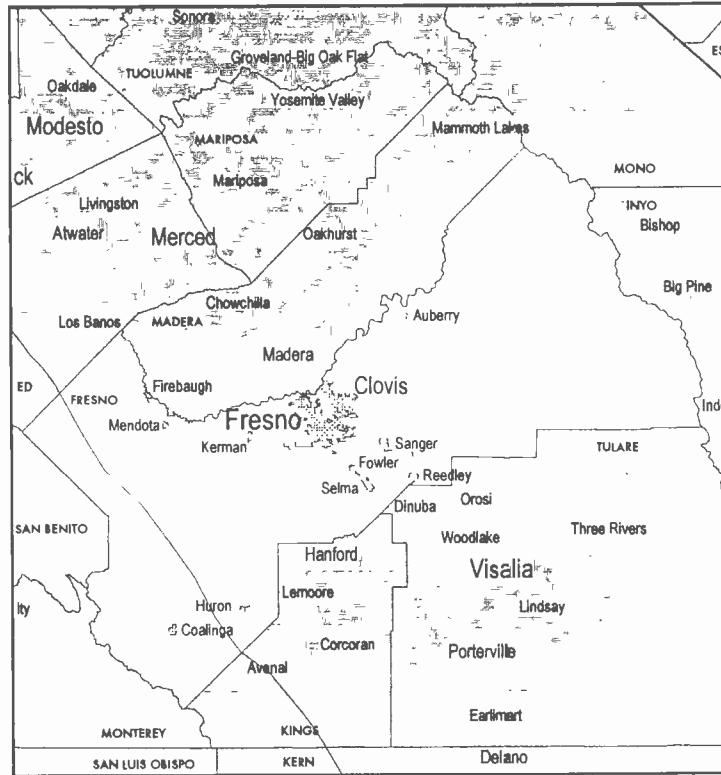
FRESNO

KRZR	L	103.7	B	50.00	No	500	152	512	36 33 36	119 45 20
E. Nebraska Ave. at S. Cedar Ave., 6 mi. SW of Fowler, 5 mi. ENE of Caruthers										
City of License: Hanford, CA										
KFRR	L	104.1	B	17.00	No	853	260	167	36 38 12	118 56 34
Eshom Point										
City of License: Woodlake, CA										
KLBN	L	105.1	B1	0.57	No	1969	600	200	37 04 25	119 25 52
42001 Radio Lane, Meadow Lakes antenna farm, Auberry										
City of License: Auberry, CA										
KKDJ	L	105.9	B	2.40	No	1960	597	200	37 04 23	119 25 51
Meadow Lakes antenna farm										
City of License: Fresno, CA										
KMPH	L	107.5	B	20.50	No	783	239	132	36 38 12	118 56 34
Eshom Point										
City of License: Hanford, CA										

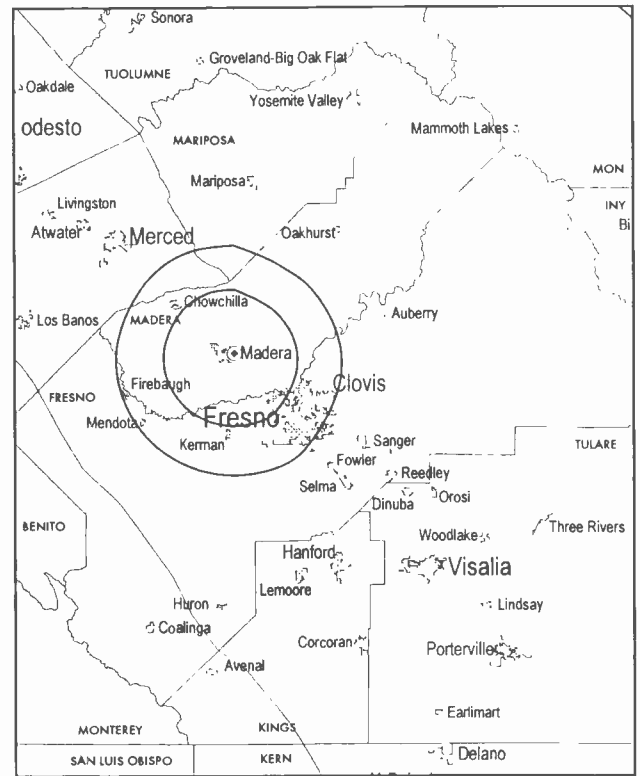
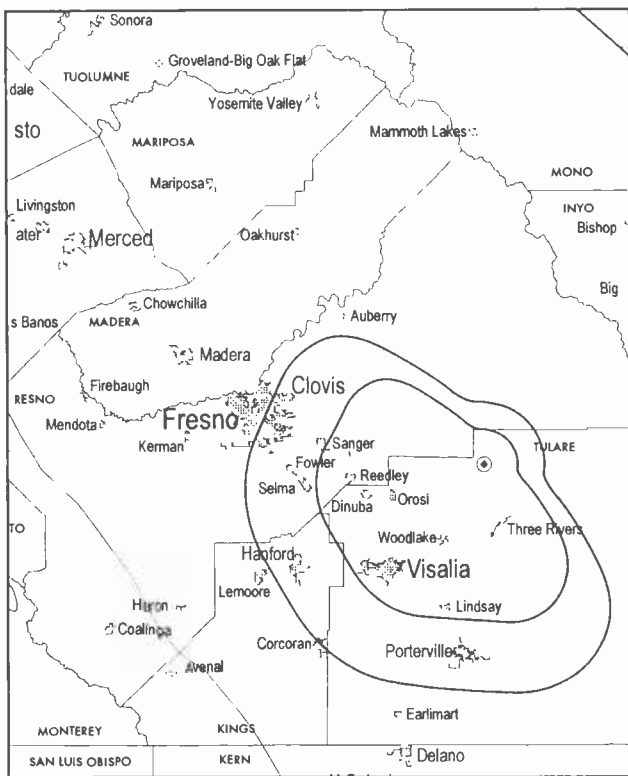
Market overview/update: There are five newcomers to this market since our last edition, bringing the number of FMs up to 18 - not a small number given this metro's relatively small population. Fresno and Los Angeles are the only top 100 markets in the Class B power zone (50-kw or equivalent power restriction) where several stations operate from transmitter sites situated at elevations in excess of 4,000'. While almost all of Los Angeles' FMs are grandfathered at powers far in excess of the class maximum, Fresno has only one "superpower" FM (KSKS). The rest of this market's FMs operate at standard Class B power. It should be noted that Fresno's standard Bs transmitting from Meadow Lakes and Eshom Point (elevations 4403' and 5120', respectively) cover somewhat more than their maps show. Our "standard" FCC maps show city-grade contours for these stations that fall short of fully covering the city of Fresno. But, by using the far-more-complex and precise Longley-Rice contour prediction methodology, the Meadow Lakes B's do city-grade all of Fresno, and the Eshom Point stations city-grade the bulk of it. Also aiding reception of signals originating a bit further-than-average from a city is the fact that all of Fresno's higher-powered signals now originate from sites well away from the city. Thus, slightly weaker signals, such as those from Eshom Point, do not have to overcome the huge RF fields present when most of the market's signals originate from a mid-city location.

Market activity since '89: KNAX moved from a tower behind the Fresno *Bee* building in downtown Fresno to Meadow Lakes. KRBT moved from a mast atop a downtown building to a new tower atop Owens Mountain north of Clovis (elevation 1,608'). A new drop-in, KJWL, later positioned its antenna atop that same downtown building. KFRR, a drop-in licensed to Woodlake, joined five other Class B stations operating from Eshom Point. KLBN (formerly KGST) began operations as a B1 transmitting from Meadow Lakes. KTAA, a Class A, begin operations from a tower in Kerman. KZFQ Madera upgraded to 25-kw and began showing in Fresno.

FRESNO



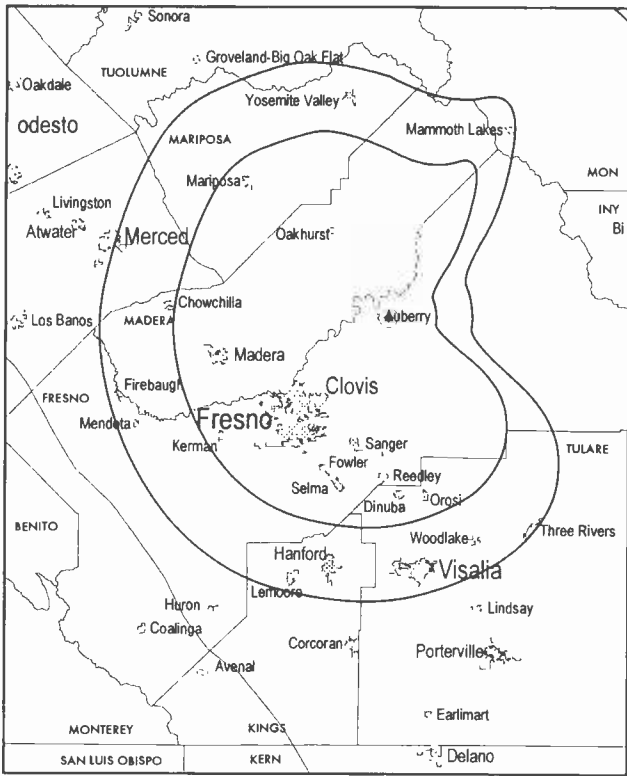
ARBITRON METRO AREA



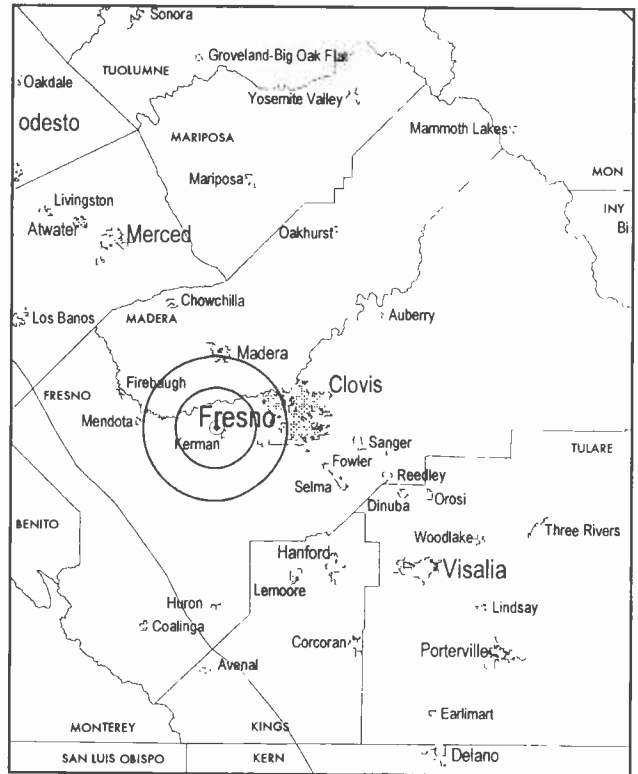
KFSO	92.9	17.5/853
KBOS	94.9	16.5/847
KJOI	98.9	19/820
KFRR	104.1	17/853

KZFO	92.1	25/312
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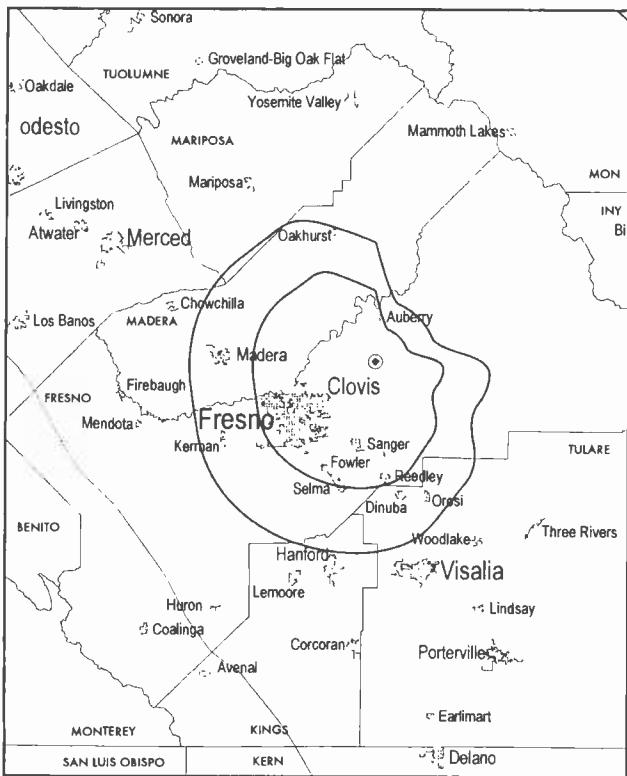
FRESNO



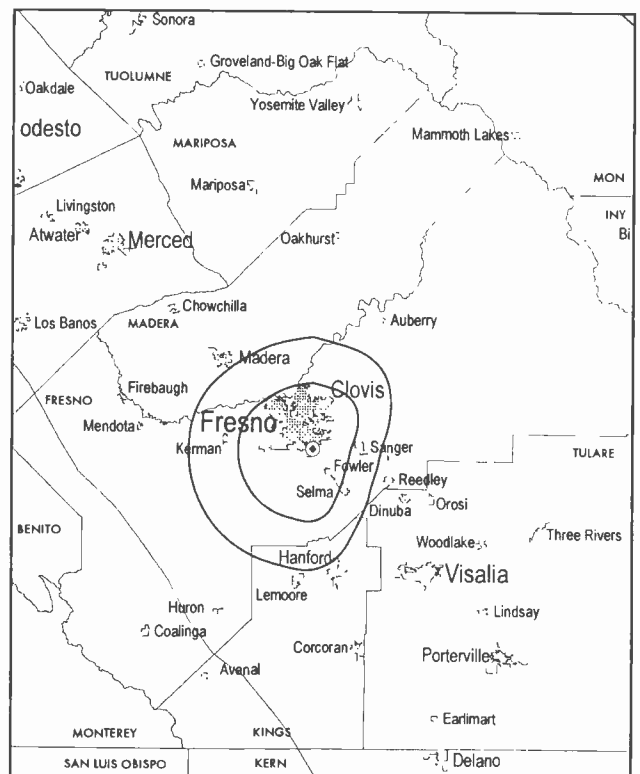
KSKS 93.7 68/1912



KTAJ 94.3 3/328

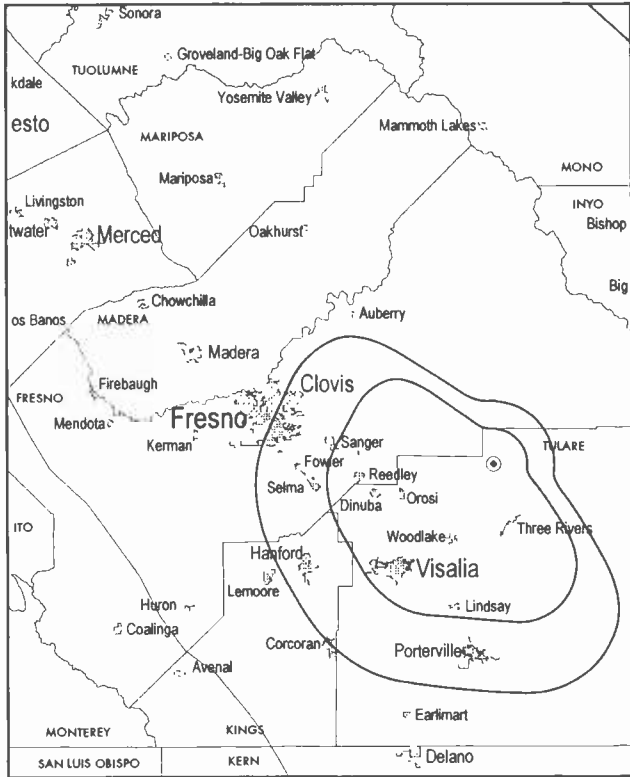


KJFX 95.7 17.5/850

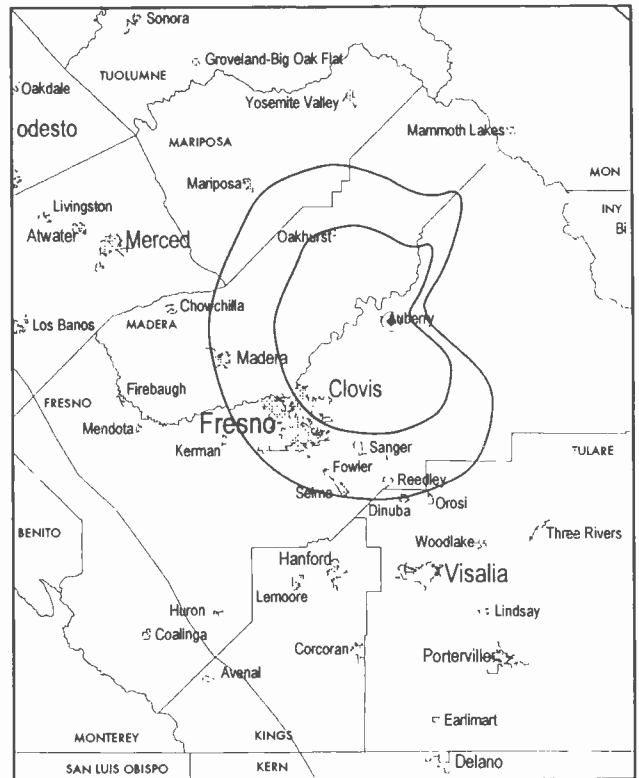


KEZL 96.7 25/328

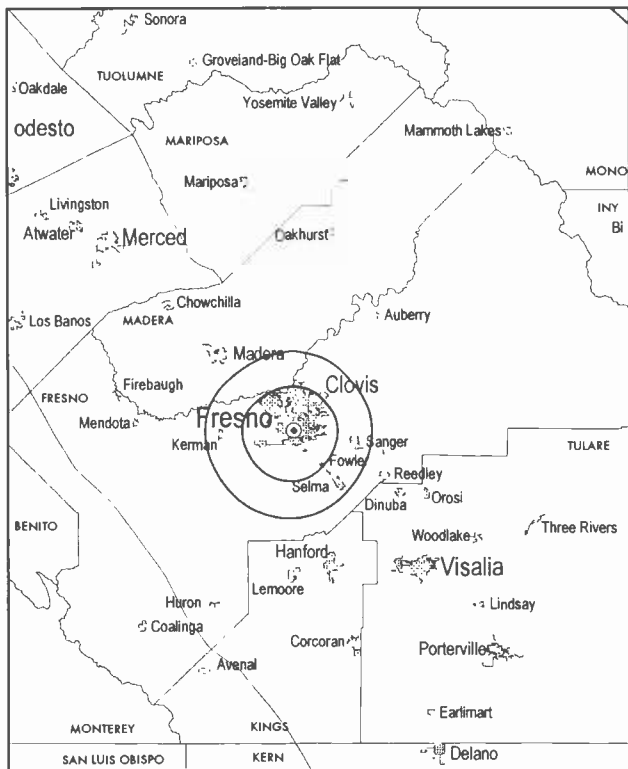
FRESNO



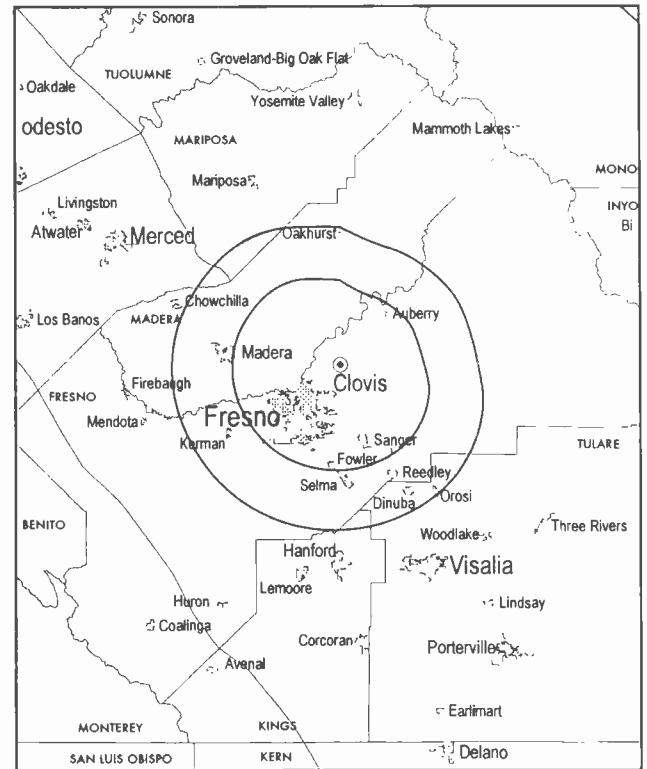
KSEQ 97.1 17/777
KMPH 107.5 20.5/783



KNAX 97.9 2.1/1988
KOQO 101.9 2.25/1948

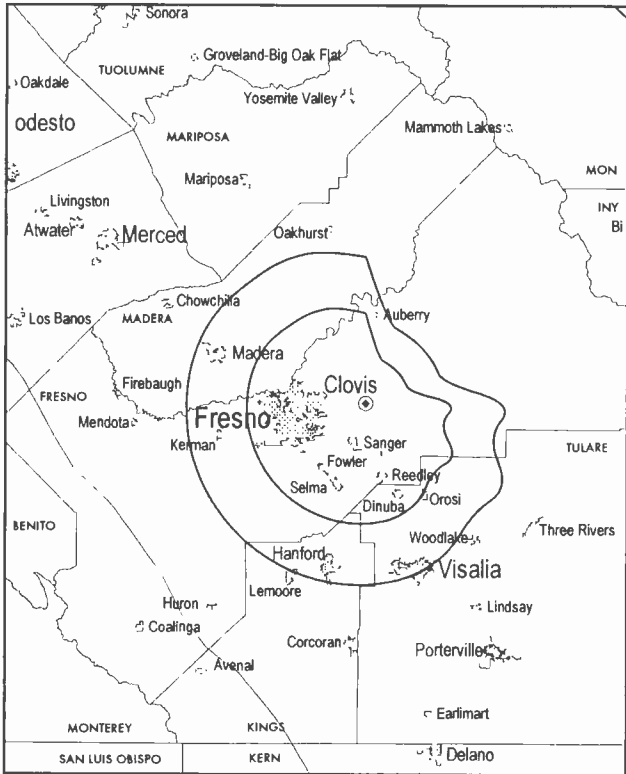


KJWL 99.3 5/348

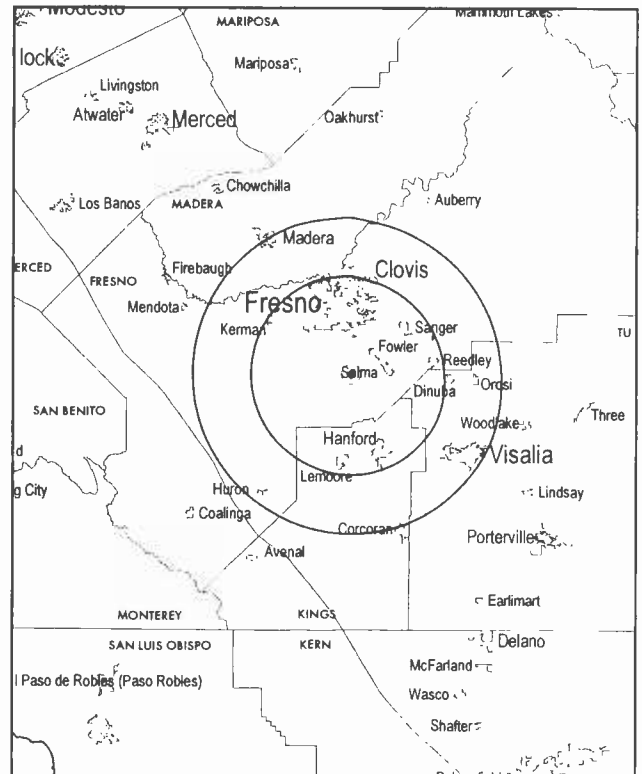


KRBT 101.1 10/1076

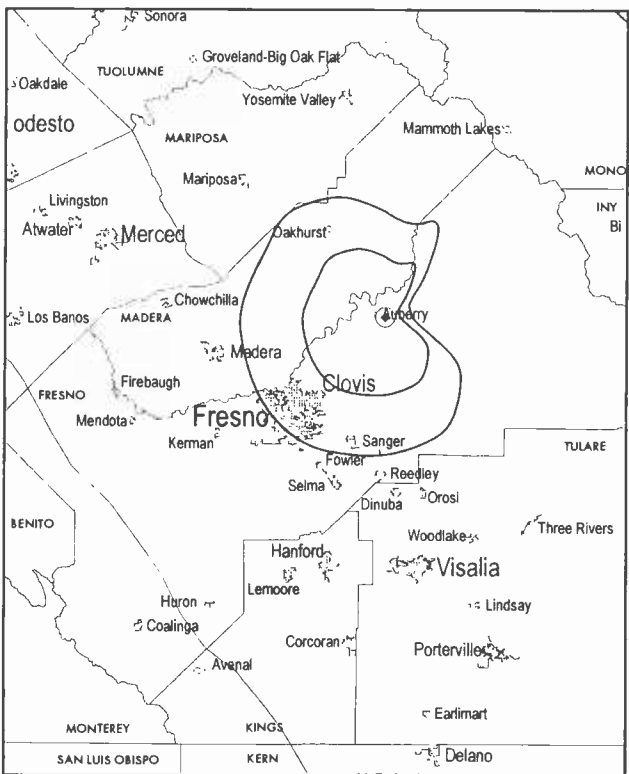
FRESNO



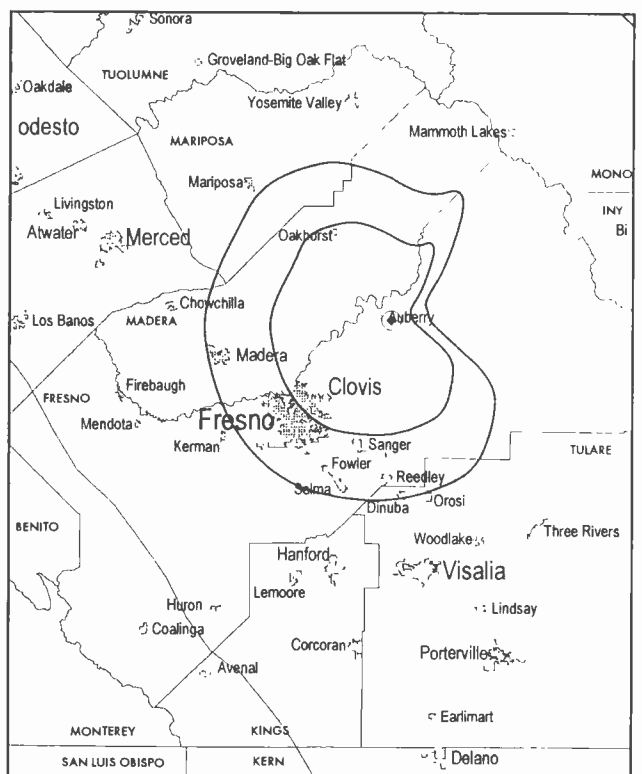
KTHT 102.7 50/500



KRZR 103.7 50/500



KLBN 105.1 570w/1969



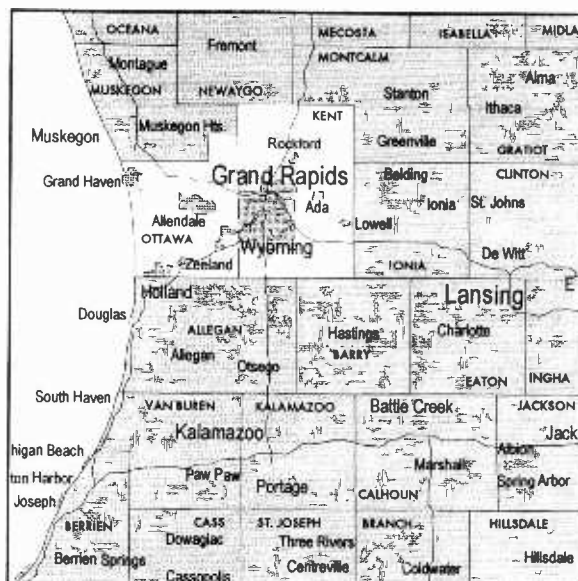
KKDJ 105.9 2.4/1960

GRAND RAPIDS

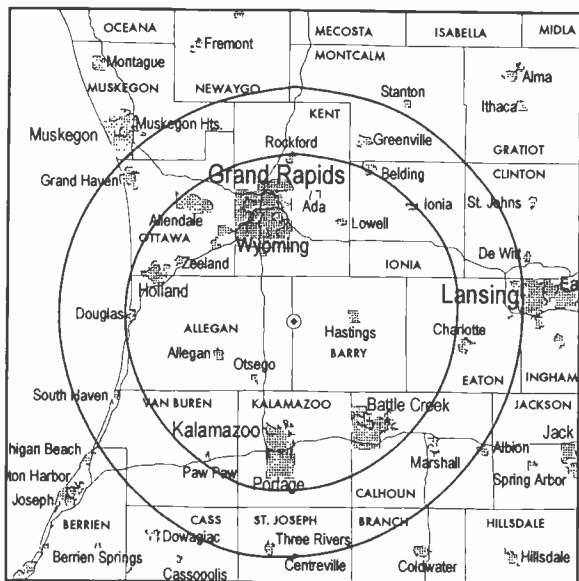
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WBCT Ch. 3 tower, SE of Wayland, near Yankee Springs State Recreation Area City of License: Grand Rapids, MI Note: Highest ERP currently licensed in the US	L	93.7	B+	320.00	No	780	238	1130	42 37 56	85 32 16
WKLQ New Holland Rd., W of 72nd Avenue, near Hudsonville City of License: Holland, MI	L	94.5	B	50.00	No	500	152	490	42 51 20	85 57 45
WLHT 3826 Cordes Avenue (MI 37) at Four Mile Rd., near interchange with I-96 City of License: Grand Rapids, MI	L	95.7	B	40.00	No	554	168	499	43 01 57	85 41 47
WAKX 3507 Felch Street, Jamestown City of License: Holland, MI	L	96.1	B	50.00	Yes	492	150	420	42 49 10	85 52 09
WLAV Pettis Avenue, between Four Mile and Five Mile Rds. City of License: Grand Rapids, MI	L	96.9	B	50.00	No	489	149	597	43 02 01	85 31 15
WGRD 625 92nd Street, Cutlerville City of License: Grand Rapids, MI	L	97.9	B	13.00	No	590	180	331	42 47 46	85 38 58
WFGR On WLHT 95.7 tower City of License: Grand Rapids, MI	L	98.7	A	2.75	No	492	150	499	43 01 57	85 41 47
WJQK 2640 72nd Street, Zeeland City of License: Zeeland, MI	L	99.3	A	4.70	No	371	113	404	42 48 59	85 57 24
WCUZ Five Mile Rd., 0.2 mi. W of Lincoln Lake Rd. City of License: Grand Rapids, MI	L	101.3	B	50.00	No	420	128	400	43 02 28	85 21 28
WFUR 399 Garfield Avenue SW, Grand Rapids City of License: Grand Rapids, MI	L	102.9	B	50.00	No	492	150	633	42 57 13	85 41 55
WSNX Corner of Sherman and Ensley Rds., Ravenna, 11 mi. E of Muskegon City of License: Muskegon, MI	L	104.5	B	32.00	No	620	189	623	43 12 16	86 01 45
WOOD Ch. 8 tower, SW of Middleville City of License: Grand Rapids, MI	L	105.7	B+	265.00	No	810	247	1015	42 41 13	85 30 35
WMUS Near junction of MI 46 and Hilton Park Rd., E of Muskegon City of License: Muskegon, MI	L	106.9	B	50.00	No	480	146	499	43 13 47	86 05 05
WODJ Near intersection of Three Mile & Lincoln Lake Rds., N of Lowell City of License: Greenville, MI	L	107.3	B	50.00	No	492	150	412	43 01 10	85 20 58

GRAND RAPIDS

Market overview/update: This market already had seen major move-in/upgrade activity by the time our previous edition was published. Two stations have become players since then, bringing the market's signal total to 14. WFGR, a new Class A, signed on from the WLHT tower in Grand Rapids, and WJQK Zeeland has begun to show consistently.



ARBITRON METRO AREA

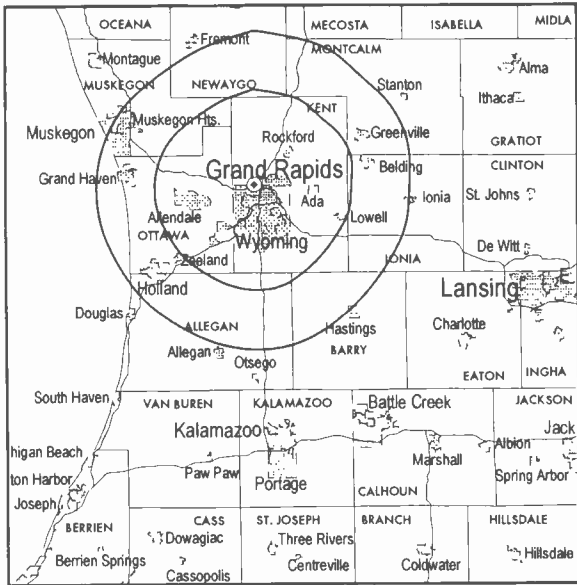


WBCT 93.7 320/780



WKLQ 94.5 50/500

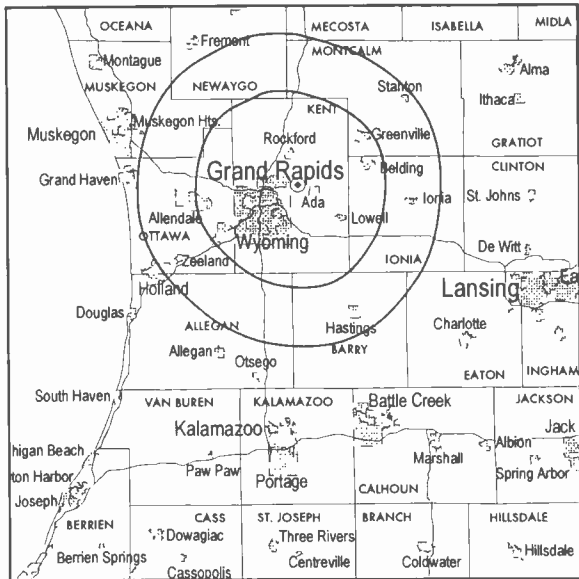
GRAND RAPIDS



WLHT 95.7 40/554



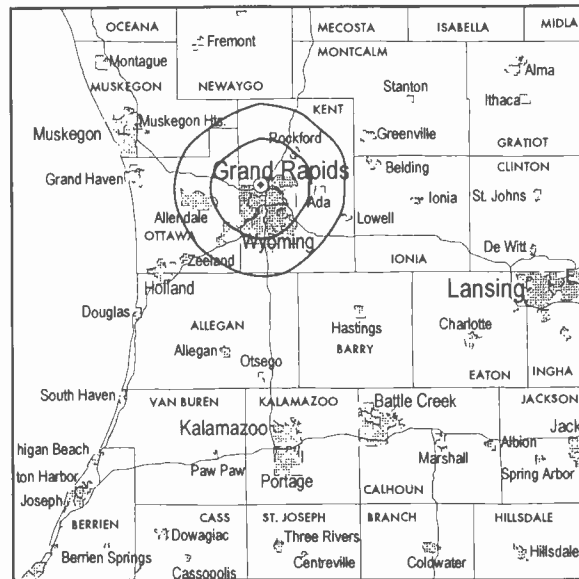
WAKX 96.1 50/492



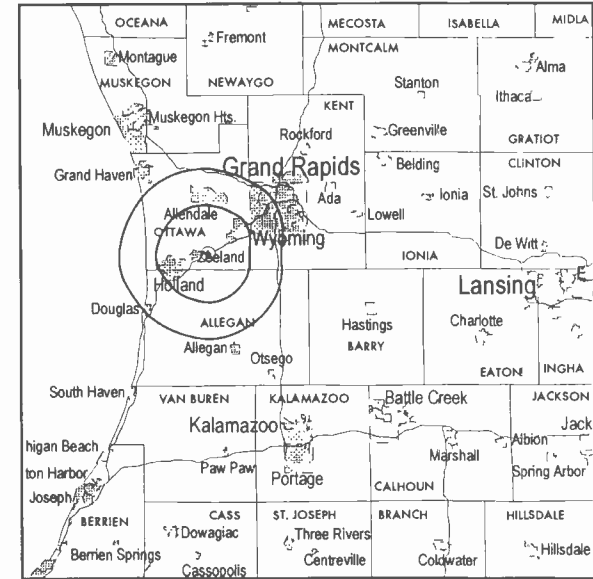
WLAV 96.9 50/489



WGRD 97.9 13/590

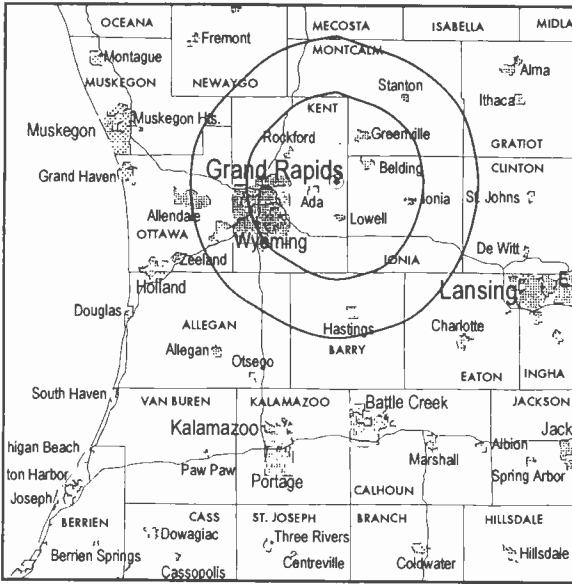


WFGR 98.7 2.75/492

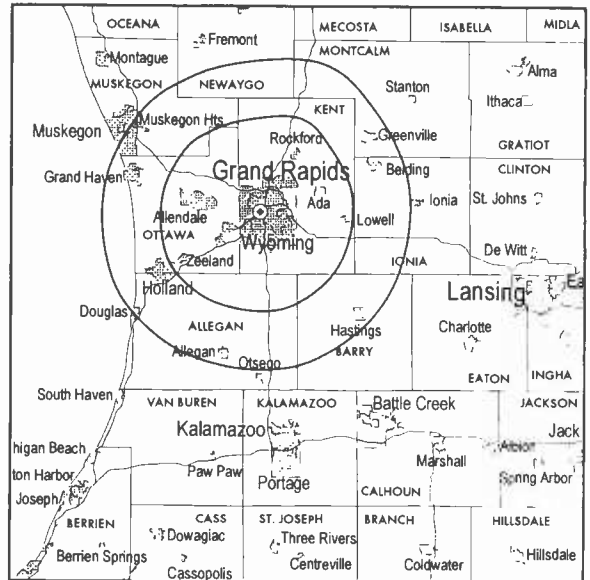


WJQK 99.3 4.7/371

GRAND RAPIDS



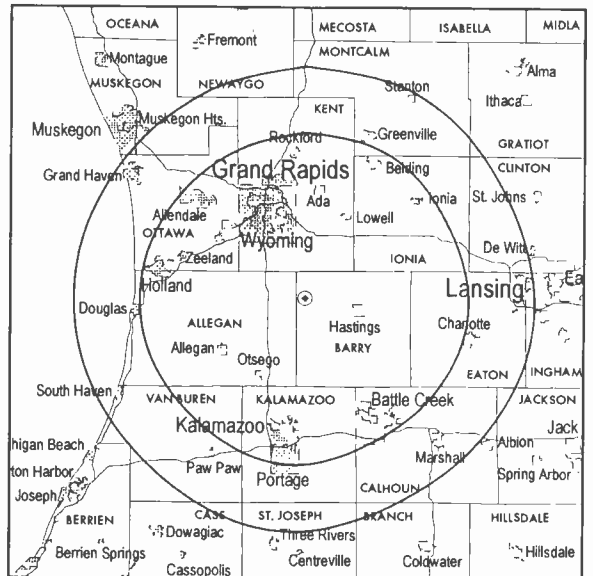
WCUZ 101.3 50/420



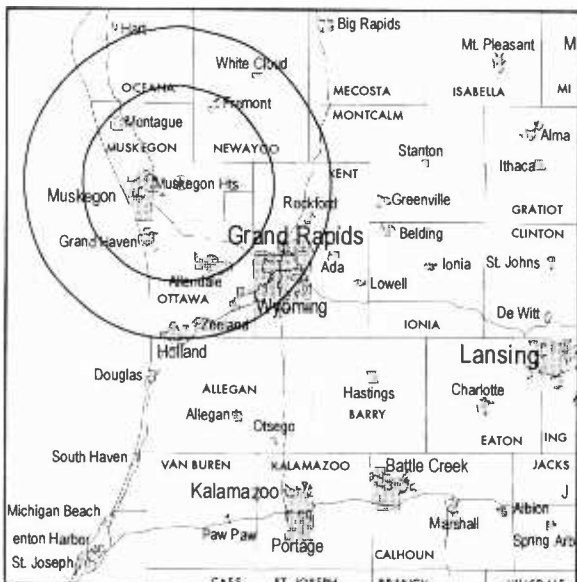
WFUR 102.9 50/492



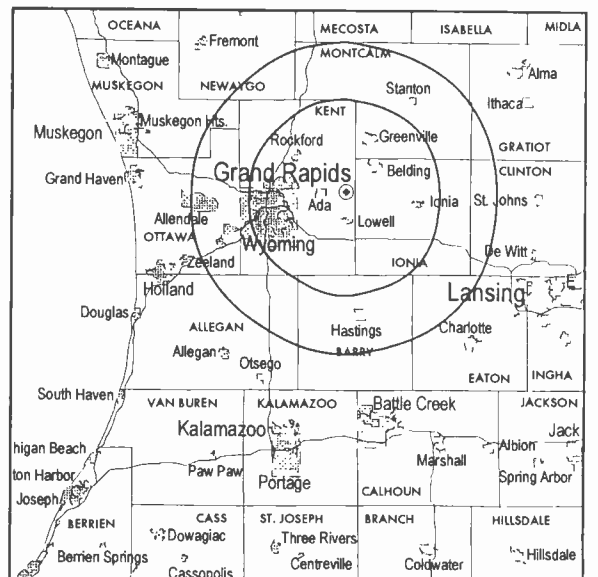
WSNX 104.5 32/620



WOOD 105.7 265/810



WMUS 106.9 50/480



WODJ 107.3 50/492

GREENSBORO - WINSTON-SALEM - HIGH POINT

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WKRR NC 1951, 2 mi. NW of Randleman City of License: Asheboro, NC	L	92.3	C	100.00	Yes	1288	393	1347	35 49 59	79 50 02
WMQX US 220 @ NC 68, NW of Summerfield City of License: Winston-Salem, NC	L	93.1	C	100.00	No	1099	335	1103	36 16 33	79 56 27
WWGL NC 1477, near intersection with NC 1441, Reedy Creek, 12 mi. S of Winston-Salem City of License: Lexington, NC	L	94.1	C	100.00	Yes	1014	309	1050	35 55 02	80 17 37
WXRA At junction of NC 2317 and 2323, 4.2 mi. SE of Madison City of License: Eden, NC	L	94.5	C1	100.00	Yes	982	299	1041	36 20 48	79 54 30
WHPE 1714 Tower Ave., High Point City of License: High Point, NC	L	95.5	C1	100.00	No	522	159	377	35 55 10	80 01 47
WQMG Off county road 1132, 2.5 mi. NW of US 220/NC 62 intersection, 2.2 mi. SW of Sumner City of License: Greensboro, NC	L	97.1	C	100.00	Yes	1234	376	1092	35 56 43	79 51 44
WFAZ WOKX-AM 1590 tower, 1607 Country Club Dr., NW section of Thomasville City of License: Thomasville, NC	L	98.3	A	1.70	No	420	128	397	35 57 41	80 02 13
WKSI US 220, 3 mi. S of I-85, near Sumner City of License: Greensboro, NC	L	98.7	C	100.00	No	1035	315	1029	35 58 09	79 49 29
WMAG Ch. 2 tower, 1.7 mi. WSW of Level Cross, NW of Randleman City of License: High Point, NC	L	99.5	C	100.00	Yes	1500	456	1911	35 52 13	79 50 25
WHSL On tower with WKSI 98.7 City of License: High Point, NC	L	100.3	C	100.00	No	1035	315	1029	35 58 09	79 49 29
WPCM Cane Creek Mtn., S of Burlington City of License: Burlington, NC	L	101.1	C	100.00	Yes	1190	363	939	35 56 31	79 26 33
WJMH On tower with WMQX 93.1 City of License: Reidsville, NC	L	102.1	C	100.00	No	1204	367	1103	36 16 33	79 56 27
WTQR Near Ch. 12 tower on Sauratown Mtn., 3 mi. E of Pilot Mountain, NC City of License: Winston-Salem, NC	L	104.1	C	100.00	No	1420	433	104	36 22 28	80 22 31
WFMX Woodleaf Rd. (NC 1003), 4 mi. ESE of Cool Spring, 2.6 mi. SSE of US 64/I-40 junction City of License: Statesville, NC	L	105.7	C	100.00	No	1516	462	1447	35 49 55	80 42 13

GREENSBORO - WINSTON-SALEM - HIGH POINT

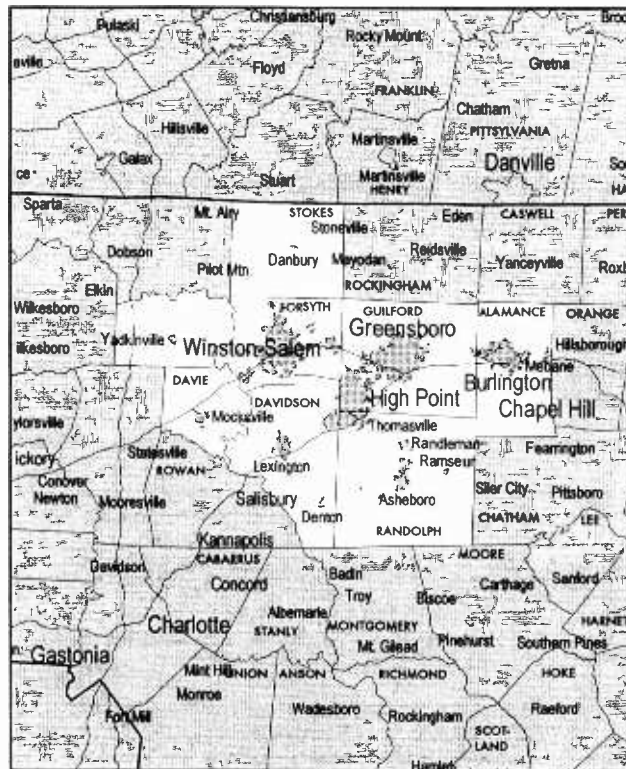
WKZL

L 107.5 C 100.00 No 994 303 1103 36 16 33 79 56 27

On tower with WMQX 93.1 and WJMH 102.1

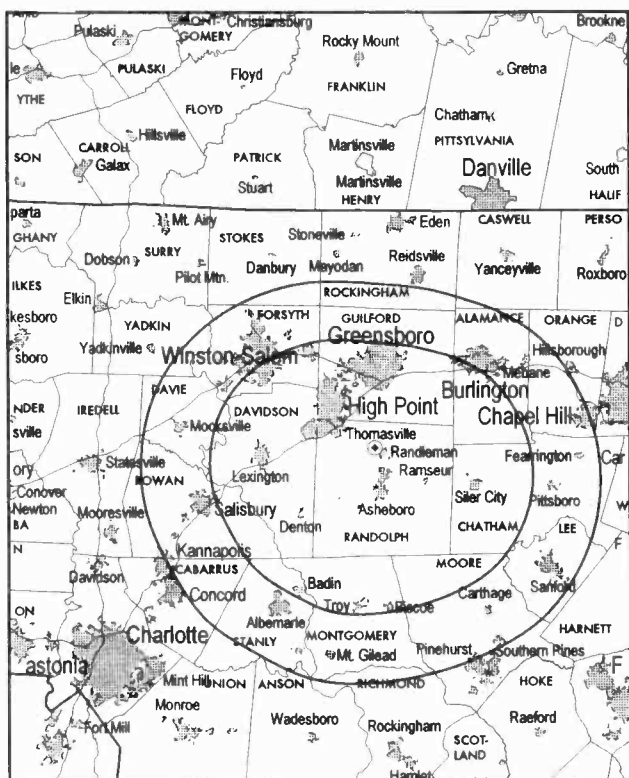
City of License: Winston-Salem, NC

Market overview/update: Within the first few years of the deregulatory era, almost every FM in the Greensboro/Winston region had upgraded for multi-city coverage. Since our last edition, WJMH has upgraded from Class C1 to full C, and from 66-kw to 100-kw on the same tower. WKZL upgraded from C1 at 500' in Kernersville to full Class C on the WMQX/WJMH tower. WWGL Lexington built a 1000' tower to upgrade from Class C1 to full C. In this edition, we've added WFMX Statesville and WFAZ Thomasville (the latter not due to ratings, but because it's a signal of interest in a growing market). We have also moved WPCM Burlington from Raleigh to Greensboro due to its more consistent ratings performance in this market.

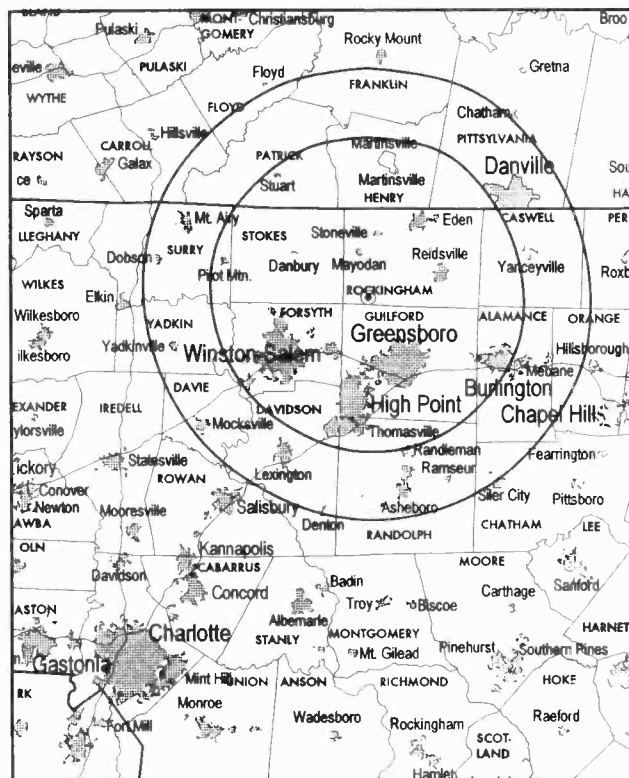


ARBITRON METRO AREA

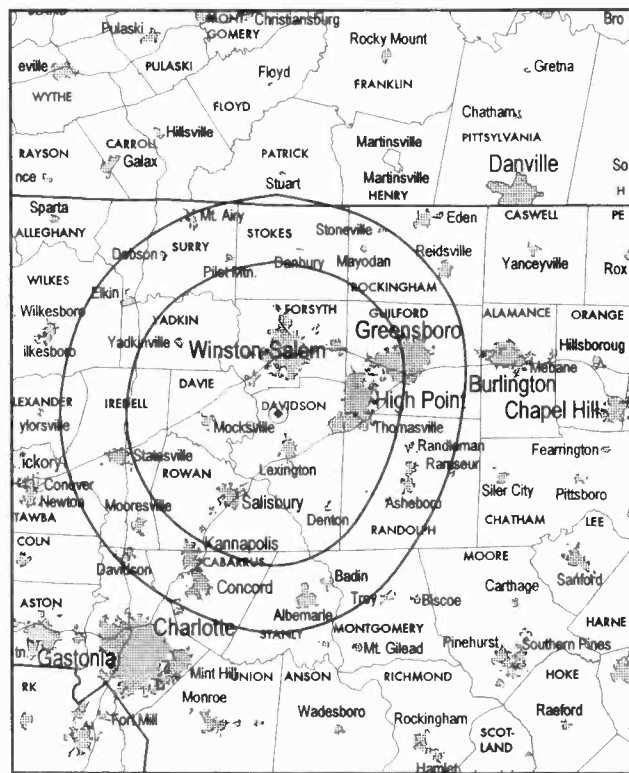
GREENSBORO - WINSTON-SALEM - HIGH POINT



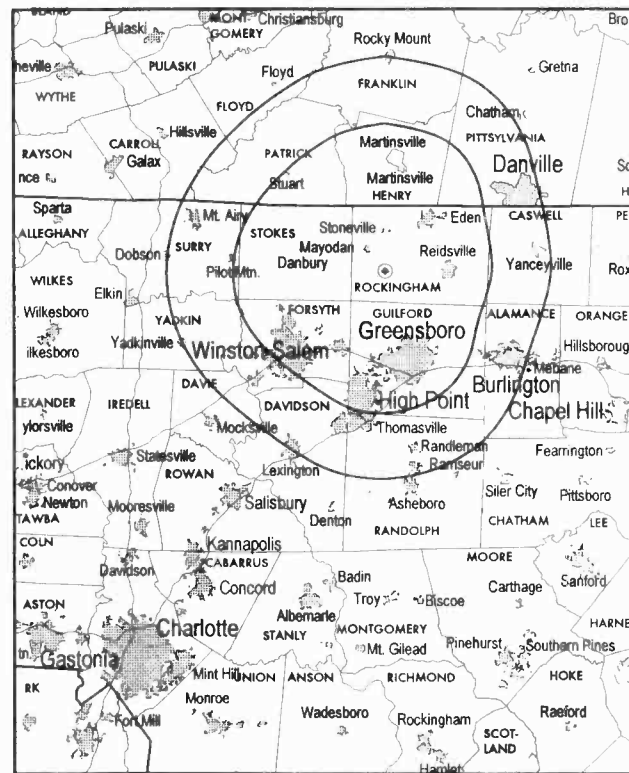
WKRR 92.3 100/1288



WMQX 93.1 100/1099

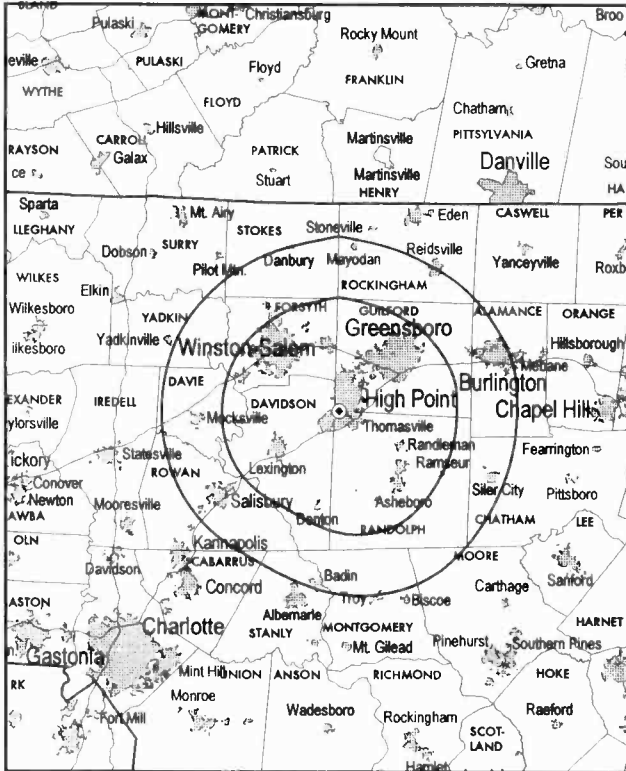


WWGL 94.1 100/1014

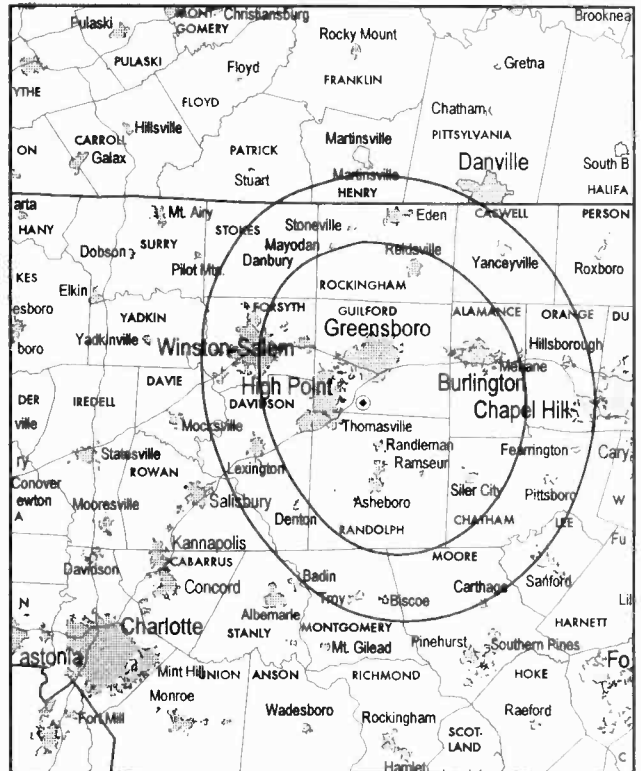


WXRA 94.5 100/982

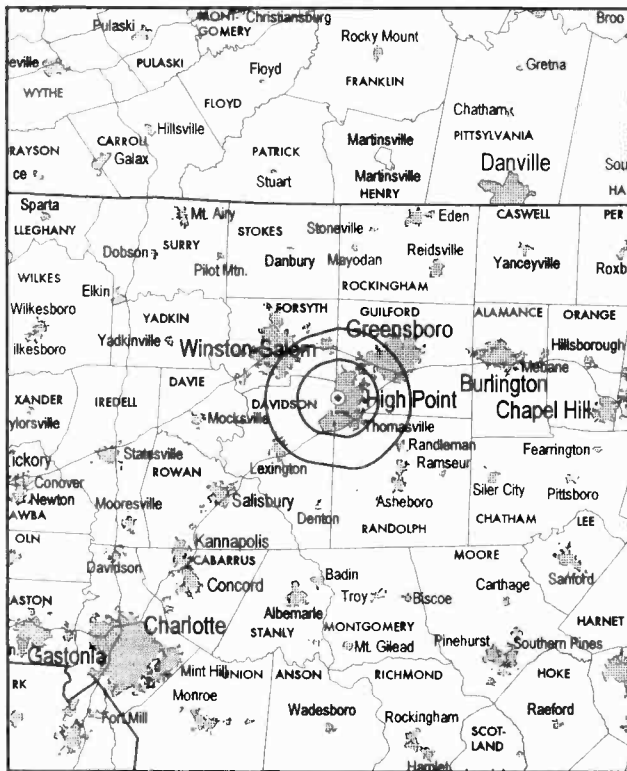
GREENSBORO - WINSTON-SALEM - HIGH POINT



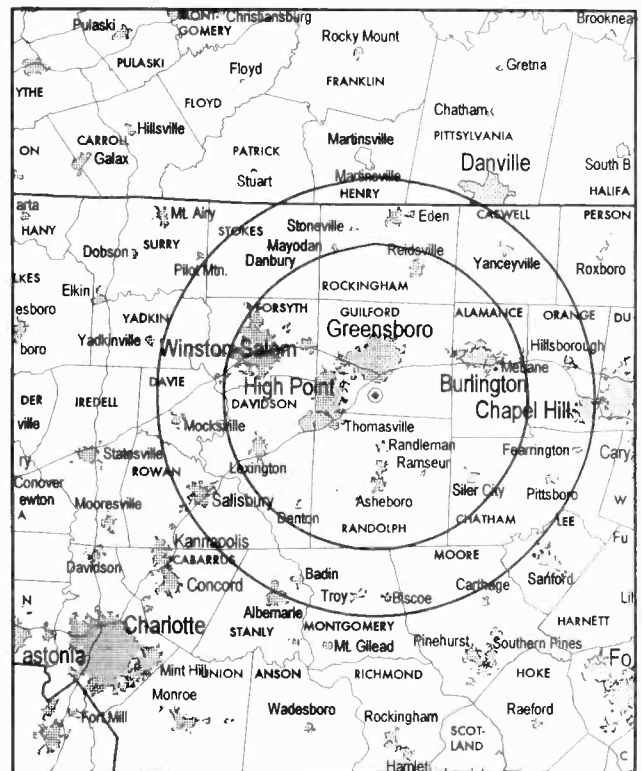
WHPE 95.5 100/522



WQMG 97.1 100/1234

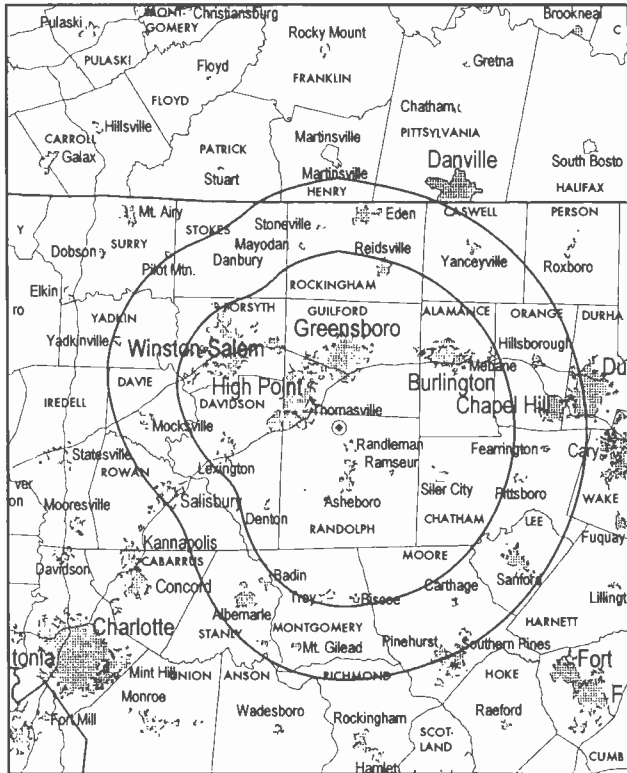


WFAZ 98.3 1.7/420



WKSI 98.7 100/1035
WHSL 100.3 100/1035

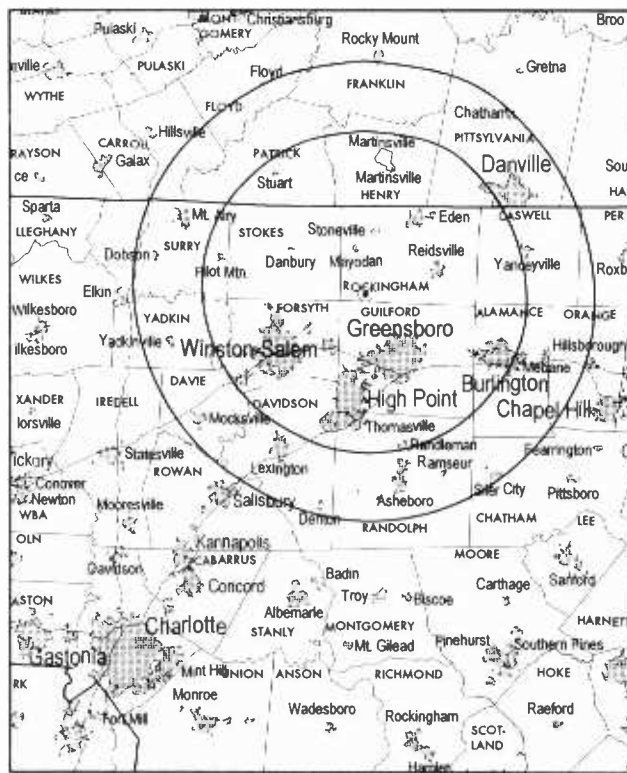
GREENSBORO - WINSTON-SALEM - HIGH POINT



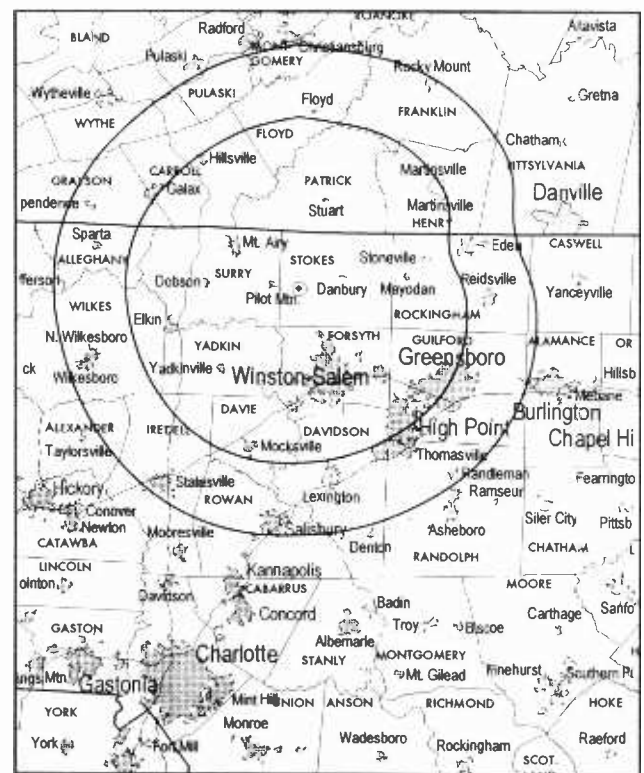
WMAG 99.5 100/1500



WPCM 101.1 100/1190

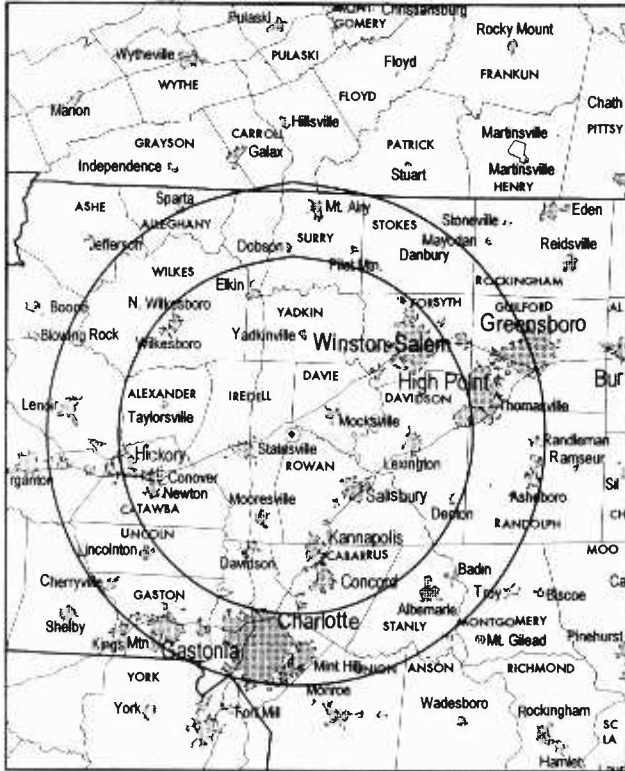


WJMH 102.1 100/1204



WTQR 104.1 100/1420

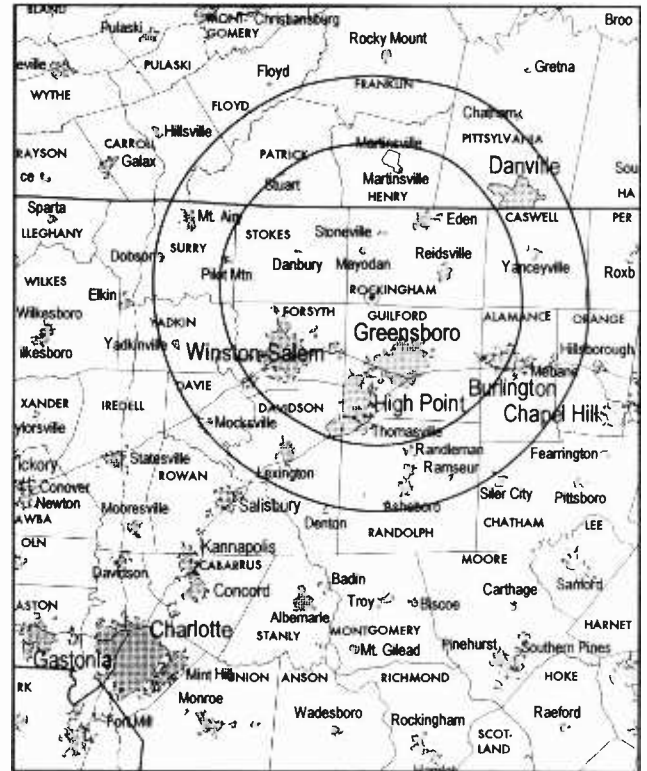
GREENSBORO - WINSTON-SALEM - HIGH POINT



WFMX

105.7

100/1516



WKZL

107.5

100/994

GREENVILLE - NEW BERN - JACKSONVILLE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WQSL On tower with WXQR 105.5, 3.4 mi. SE of Folkstone, 1 mi. SW of NC 210/Co. Rd. 1518 intersection City of License: Jacksonville, NC	L	92.3	C2	22.50	No	725	221	801	34 31 10	77 26 52
WERO Ch. 7/9 tower, 3 mi. E of Grifton City of License: Washington, NC	L	93.3	C	100.00	No	1780	543	2000	35 21 55	77 23 38
WNBR On NC 1120, 2 mi. S of Arapahoe, Pamlico County, 1.8 mi. S of intersection of Neuse & Point Rds. City of License: Oriental, NC Note: Simulcast on WZBR 97.7 Kinston	L	94.1	C3	11.00	No	486	148	500	35 00 02	76 49 58
WRNS Ch. 12 tower, near junction of NC 41 and 1002, 3 mi. NNE of Trenton City of License: Kinston, NC	L	95.1	C	100.00	No	1500	457	1995	35 06 18	77 20 15
WRHT 410 Hibbs Rd., 3.3 mi. SE of junction of NC 1124 & 1129, 9 mi. W of Morehead City City of License: Morehead City, NC Note: Simulcast on WCBZ 103.7 Williamston	L	96.3	C1	100.00	No	492	150	500	34 45 06	76 52 57
WZBR US 70 Bypass, Kinston City of License: Kinston, NC Note: Simulcasts WNBR 94.1 Oriental	L	97.7	A	3.00	No	248	76	299	35 15 30	77 36 19
WCZI 4 mi. SE of Chocowinity on St Hwy 1123 City of License: Washington, NC	L	98.3	A	1.35	No	489	149	495	35 29 14	77 02 42
WKO0 Between US 17 & Stump Sound, E of Holly Ridge, 19 mi. S of Jacksonville City of License: Jacksonville, NC Note: Simulcast on WKJA 101.1 Belhaven	L	98.7	C1	100.00	No	978	298	1014	34 29 38	77 29 18
WXNR On tower with WIKS 101.9, near junction of NC 1401 & 1423, Spring Garden, 9 mi. NW of New Bern City of License: Grifton, NC	L	99.5	C2	16.50	No	843	257	1037	35 12 07	77 11 15
WKJA On County Road 1912, 1.2 mi. E of Aurora, NC City of License: Belhaven, NC Note: Simulcasts WKO0 98.7 Jacksonville	L	101.1	C2	31.00	No	614	187	650	35 18 12	76 45 50
WIKS On tower with WXNR 99.5 City of License: New Bern, NC	L	101.9	C1	100.00	No	983	299	1037	35 12 07	77 11 15
WMGV NC 55, W of Grantsboro, E of New Bern City of License: Newport, NC	L	103.3	C1	100.00	No	981	299	1024	35 07 55	76 52 32

GREENVILLE - NEW BERN - JACKSONVILLE

WCBZ	L	103.7	C1	100.00	Yes	981	299	1013	35 53 47	76 58 58
Hwy. 1522, Near junction with Hwy 1521, E of US 13/17, 5 mi. NE of Williamston										
City of License: Williamston, NC										
Note: Simulcast with WRHT 96.3 Morehead City										
WXQR	L	105.5	C2	19.00	No	794	242	801	34 31 10	77 26 52
On tower with WQSL 92.3										
City of License: Jacksonville, NC										
WTKF	L	107.3	C3	7.00	No	607	185	843	34 53 01	76 30 21
Ch. 8 tower, Open Grounds Farm, Carteret, NC, 14 mi. NE of Morehead City										
City of License: Atlantic, NC										
WNCT	L	107.9	C	100.00	No	1700	518	2000	35 21 55	77 23 38
On tower with WDLX 93.3										
City of License: Greenville, NC										

Market overview/update: From many standpoints, signal infrastructure included, one of the hardest of all markets to quantify. More so than any other, this is a market defined by the signal reach of three enormous television signals and several huge radio signals. It is most unusual among markets in that it has no natural center, or even a large city. Nor does the group of cities comprise a natural retail market. The radio market is defined by its five largest and most centrally-located signals, WDLX, WNCT, WRNS, WIKS and to a slightly lesser extent, WSFL. The other signals shown have strengths in parts of the region, and several have combined into interesting simulcast operations. Jacksonville is now included in this market. Counting new signals and upgrades, the market's signal count has risen from nine in '89 to 15 in this edition.

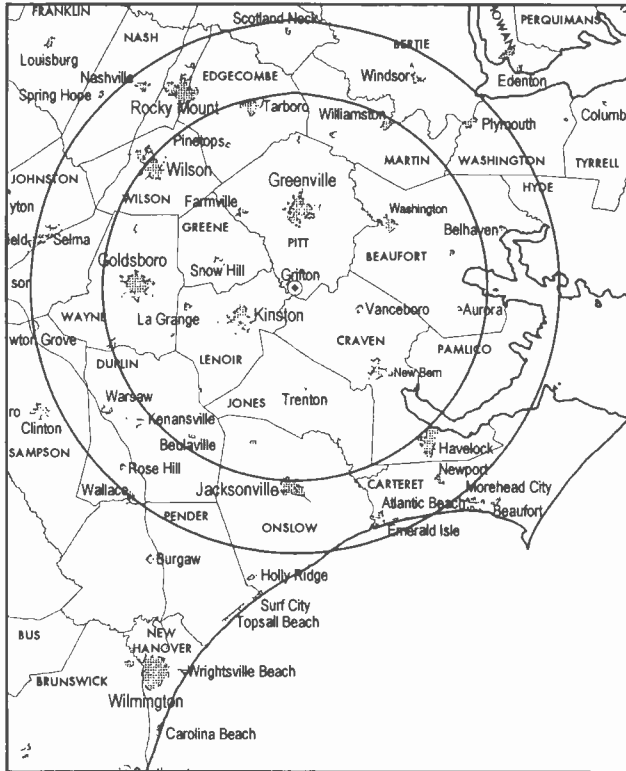


ARBITRON METRO AREA



WQSL 92.3 22.5/725

GREENVILLE - NEW BERN - JACKSONVILLE



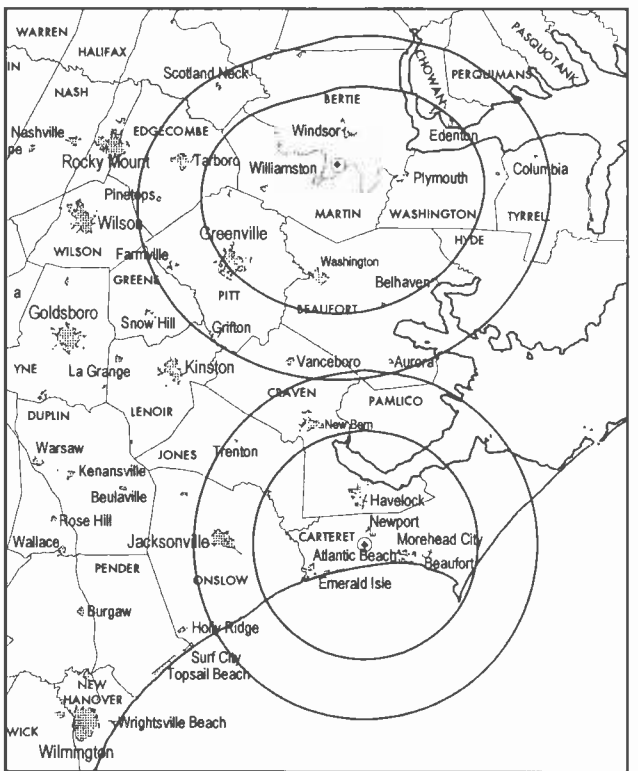
WERO 93.3 100/1780



WNBR 94.1 11/486
WZBR 97.7 3/248



WRNS 95.1 100/1500

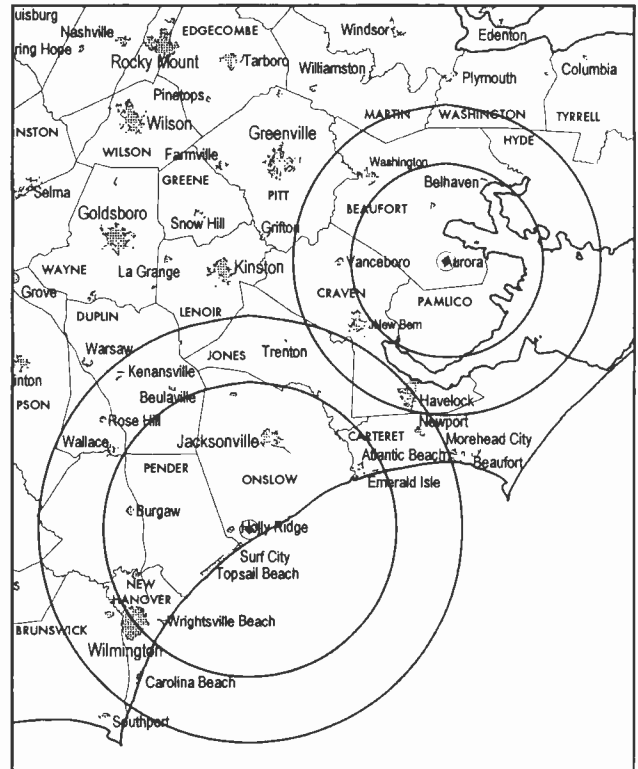


WRHT 96.3 100/492
WCBZ 103.7 100/981

GREENVILLE - NEW BERN - JACKSONVILLE



WCZI 98.3 1.35/489



WKOO 98.7 100/978
WKJA 101.1 31/614



WXNR 99.5 16.5/843



WIKS 101.9 100/983

GREENVILLE - NEW BERN - JACKSONVILLE



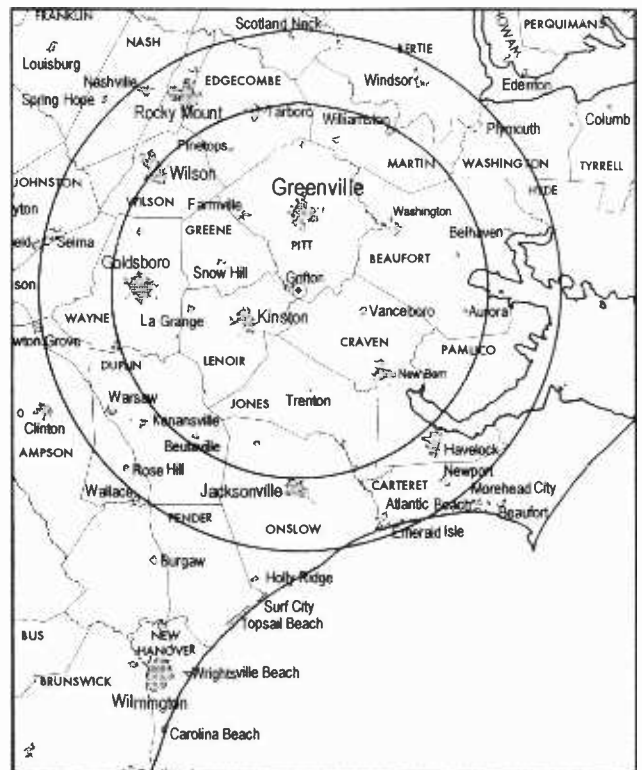
WMGV 103.3 100/981



WXQR 105.5 19/794



WTKF 107.3 7/607



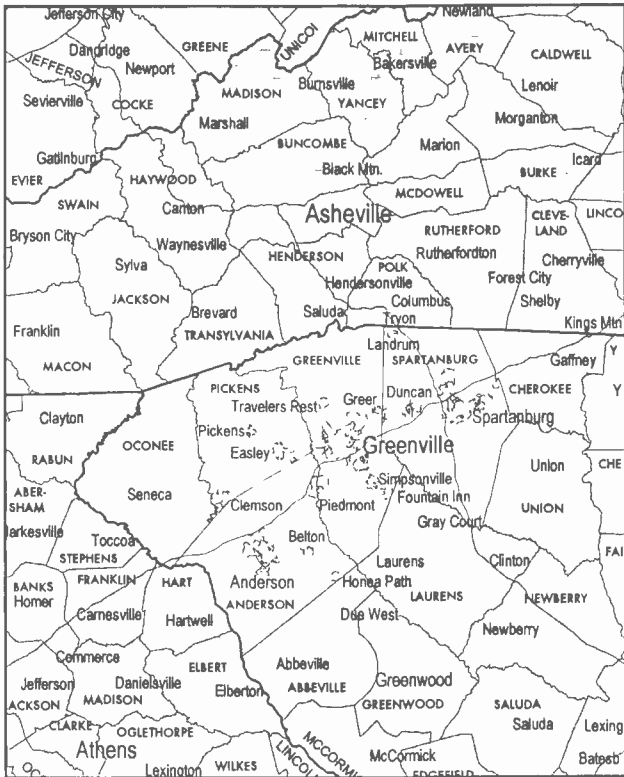
WNCT 107.9 100/1700

GREENVILLE - SPARTANBURG

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WESC Solomon Jones Rd., Caesars Head, SC City of License: Greenville, SC	L	92.5	C	100.00	No	2000	610	1280	35 08 16	82 36 31
WFNQ 0.5 mi. NE of Tryon Peak, 1.3 mi. N of I-26, NW of Columbus, NC City of License: Forest City, NC	L	93.3	C	93.00	No	2030	619	500	35 16 19	82 14 00
WFBC Ch. 4 tower, Caesars Head, SC City of License: Greenville, SC	L	93.7	C	100.00	No	1850	564	892	35 06 40	82 36 17
WMUU Off Altamont Rd., atop Paris Mtn., N of Greenville City of License: Greenville, SC	L	94.5	C	100.00	No	1200	366	200	34 56 29	82 24 41
WSPA Ch. 7 tower, Hogback Mtn., SW of Tryon, NC City of License: Spartanburg, SC	L	98.9	C	100.00	No	1910	582	257	35 10 12	82 17 27
WSSL NW corner of roads 32 and 110, Gray Court, SC City of License: Gray Court, SC	L	100.5	C	100.00	No	1240	378	1200	34 34 19	82 06 41
WROQ Ch. 40 tower, Woodside Rd., 0.9 mi. W of Fairview Rd., Fork Shoals, SC City of License: Anderson, SC	L	101.1	C	100.00	Yes	986	301	1051	34 38 51	82 16 13
WMYI Pinnacle Mtn. Rd., near Sky Valley Pioneer Camp, SW of Flat Rock, NC City of License: Hendersonville, NC	L	102.5	C1	20.00	No	1782	542	612	35 13 22	82 32 57
WXWZ Wasp Nest Rd. at Mosely Rd., 3.7 mi. N of Lyman City of License: Greer, SC Note: Simulcasts WXWX 103.9 Easley	L	103.3	A	2.70	No	495	151	499	34 59 54	82 08 17
WOLI Kay Dr., SE of Latham Rd., E of Easley City of License: Easley, SC Note: Simulcast on WXWZ 103.3 Greer	L	103.9	A	6.00	No	328	100	380	34 50 21	82 31 37
WJMZ Stringer's Ridge, S of SC 88, 7 mi. S of Easley City of License: Anderson, SC	L	107.3	C	100.00	No	1010	308	1006	34 42 06	82 36 20

Market overview/update: From the standpoint of signal infrastructure, a remarkably stable market over the past five years. There have been no move-ins or drop-ins, with the exception of a single Class A, WXWZ, licensed to Greer. The rest of this market's operations had already built up to full-coverage facilities as the 1980's drew to a close. Relatively few full-coverage signals for the size of the market. Interesting side note: Asheville is *not* part of the Greenville-Spartanburg radio market, and only three Greenville FMs throw reasonably clean signals over much of Asheville. Transmitters for WESC, WFBC and WMYI are positioned such that they look up the French Broad River valley, and thus cover much of Asheville. Nonetheless, all three experience quite a bit of noise in Asheville from the mountainous terrain.

GREENVILLE - SPARTANBURG



ARBITRON METRO AREA



WESC 92.5 100/2000



WFNC 93.3 93/2030

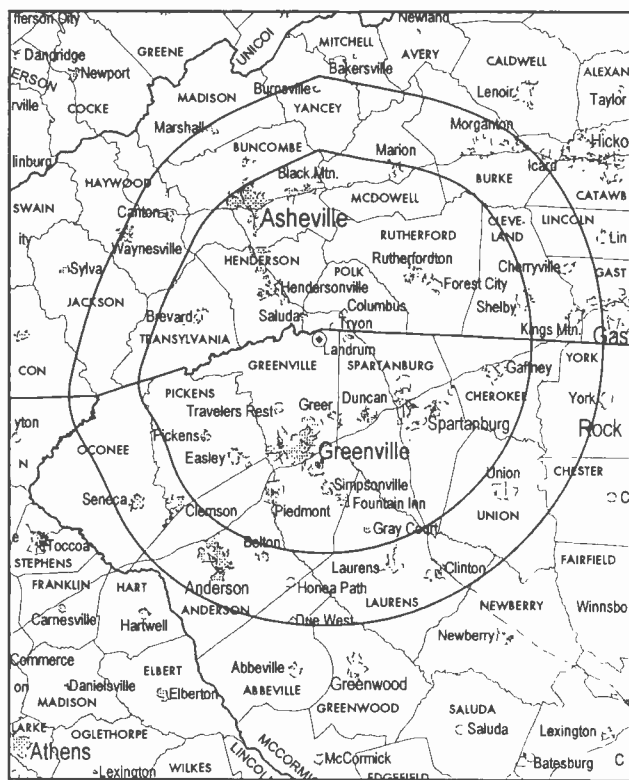


WFBC 93.7 100/1850

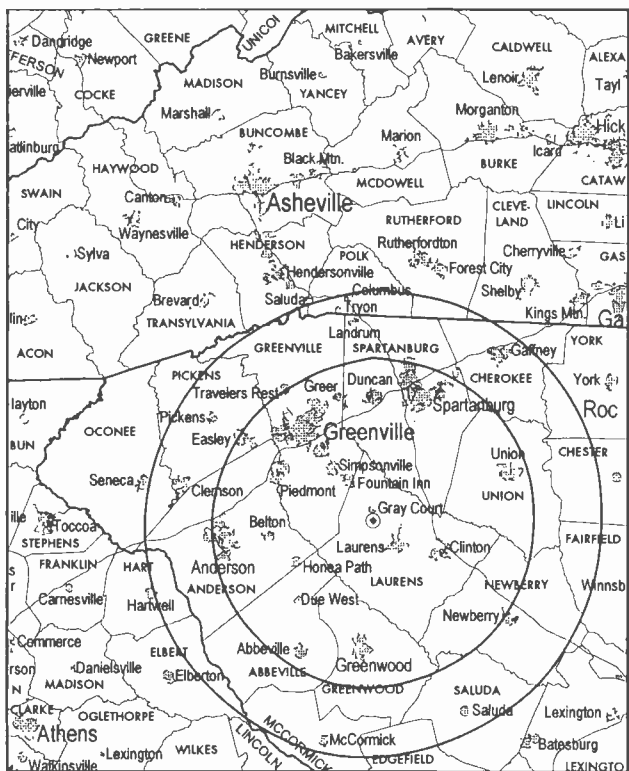
GREENVILLE - SPARTANBURG



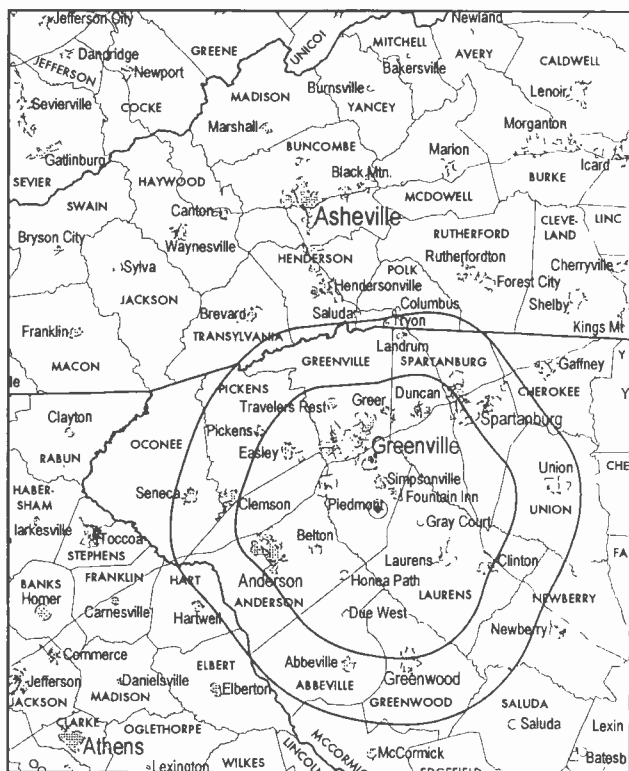
WMUU 94.5 100/1200



WSPA 98.9 100/1910

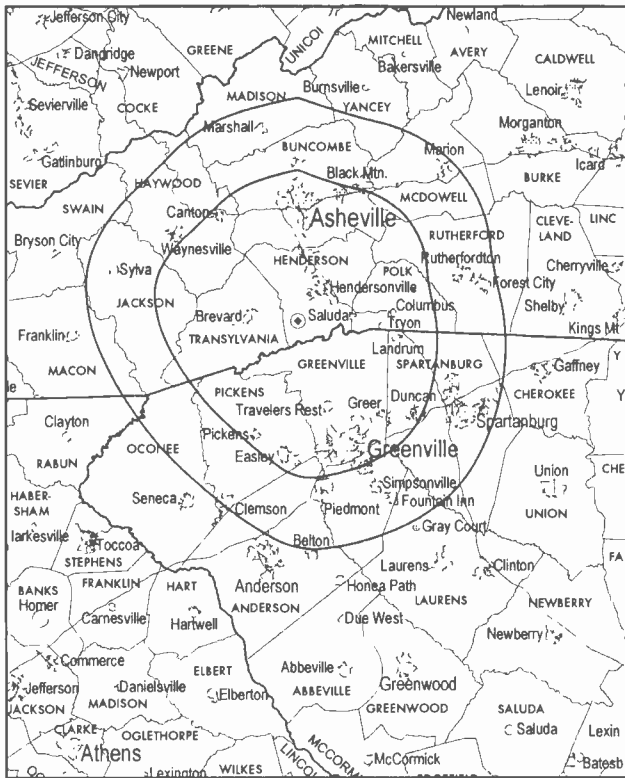


WSSL 100.5 100/1240



WROQ 101.1 100/986

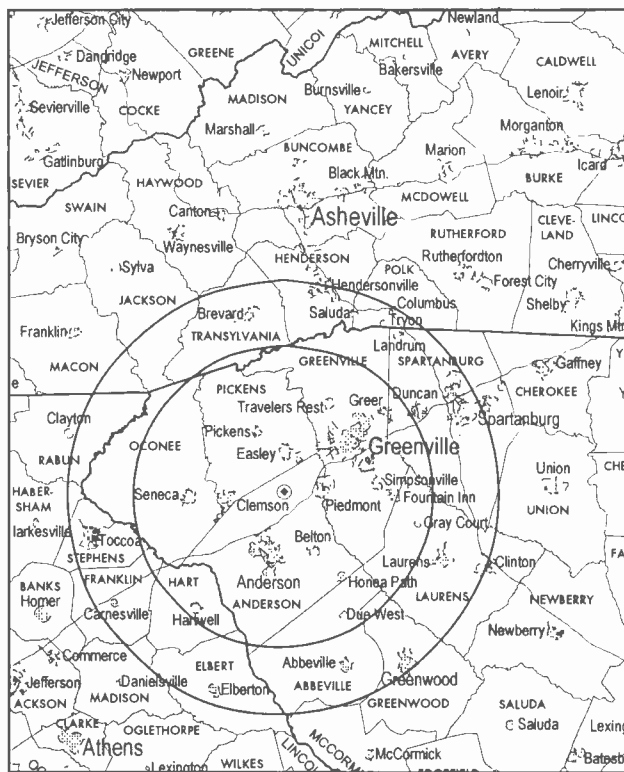
GREENVILLE - SPARTANBURG



WMYI 102.5 20/1782



WXWZ 103.3 2.7/495
WOLI 103.9 6/328



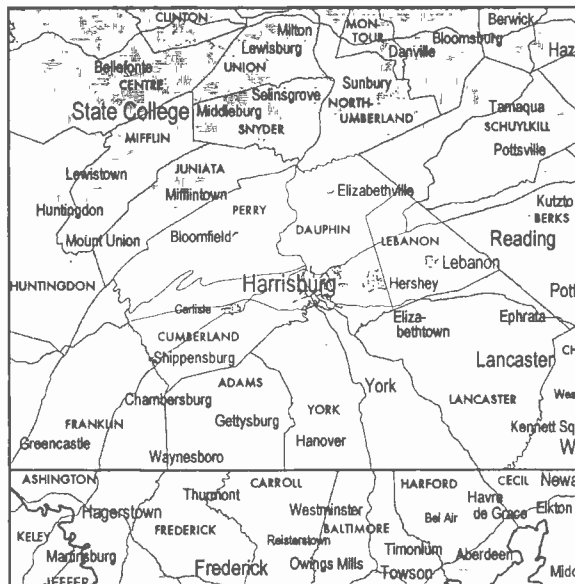
WJMZ 107.3 100/1010

HARRISBURG

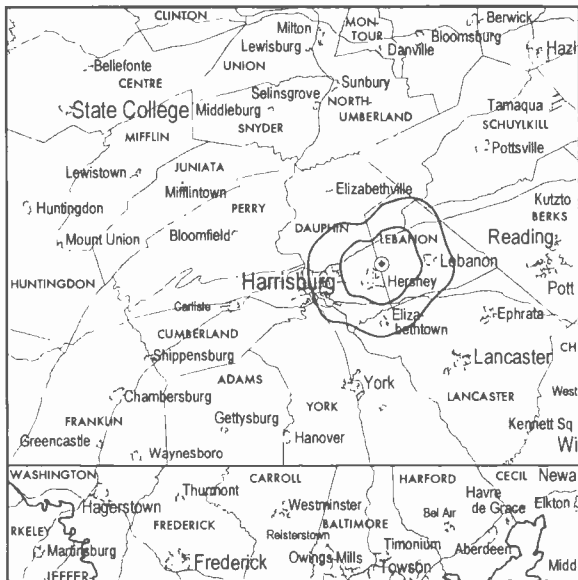
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WNCE Gravel Hill Rd., 1 mi. N of downtown Palmyra City of License: Palmyra, PA	L	92.1	A	3.30	No	300	91	223	40 19 35	76 36 33
WTPA Hilltop near junction of PA 114 and 262, just W of I-83, 6 mi. S of downtown Harrisburg City of License: Mechanicsburg, PA	L	93.5	A	1.25	No	719	219	399	40 10 38	76 52 38
WYMJ Ch. 27 tower, Blue Mtn., 1 mi. NW of Summerdale City of License: Harrisburg, PA	L	94.9	B	25.00	Yes	700	213	609	40 18 57	76 57 02
WRVV Ch. 21 tower, Blue Mtn., off Roberts Valley Rd., E of Rockville City of License: Harrisburg, PA	L	97.3	B	17.00	No	840	256	500	40 20 44	76 52 09
WYCR High Rock, Heidelberg Township, 4.5 mi. NE of Hanover City of License: Hanover, PA	L	98.5	B	10.65	No	926	282	348	39 51 30	76 56 52
WWKL Adjacent to WCMB-AM 1460 array, Watt St. & Poplar Church Rd., Wormleysburg City of License: Harrisburg, PA	L	99.3	A	6.00	No	328	100	396	40 15 44	76 54 37
WROZ Ch. 8 tower, 2.2 mi. NE of Hallam City of License: Lancaster, PA	L	101.3	B	6.90	No	1293	394	823	40 02 04	76 37 08
WHYL E of PA 34, on slope of Blue Mtn. near Sterrett's Gap, 7 mi. NE of Carlisle City of License: Carlisle, PA	L	102.3	A	3.00	Yes	328	100	253	40 17 23	77 08 10
WARM Ch. 43 tower, 1.6 mi. NE of Hallam City of License: York, PA	L	103.3	B	6.40	No	1306	398	947	40 01 38	76 36 00
WNNK Blue Mountain, 1 mi. NW of Summerdale City of License: Harrisburg, PA	L	104.1	B	22.50	No	725	221	151	40 18 57	76 57 02
WQXA WQXA-AM 1250 tower, Pleasureville Hill, 2.9 mi NE of York City of License: York, PA	L	105.7	B	25.10	Yes	704	215	364	39 59 56	76 41 43
WRKZ 919 Radio Rd., SE of PA 241, 1 mi. N of Elizabethtown City of License: Hershey, PA	L	106.7	B	14.00	No	928	283	843	40 10 16	76 35 50

Market overview/update: Generally, a stable signal situation. WTPA and WWKL upgraded from 3-kw to 6-kw Class A status. WRKZ completed construction of an 843' tower (up from the former 410' stick). Without changing its technical facility, the former WCTX in Palmyra grabbed the WNCE ("Nice") call letters abandoned by WROZ and began making modest showings with a combination of Easy Listening and Standards.

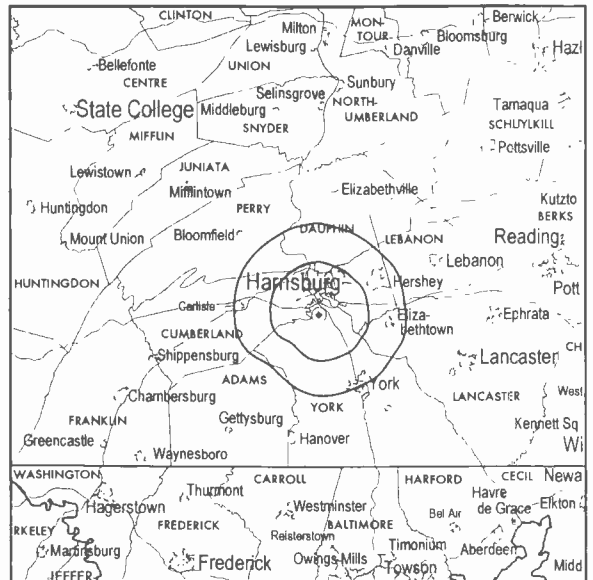
HARRISBURG



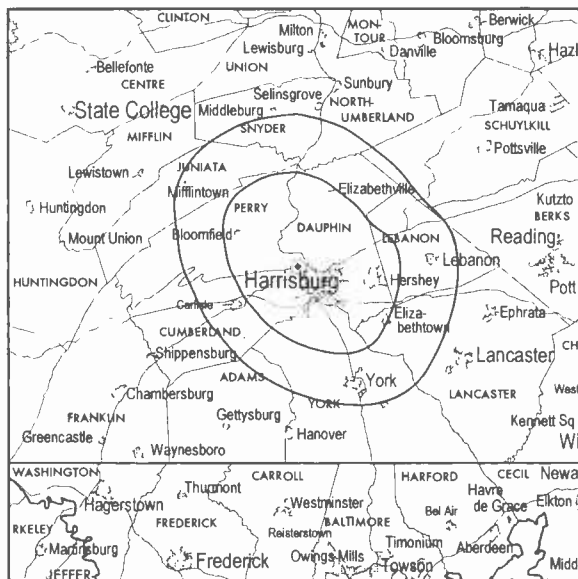
ARBITRON METRO AREA



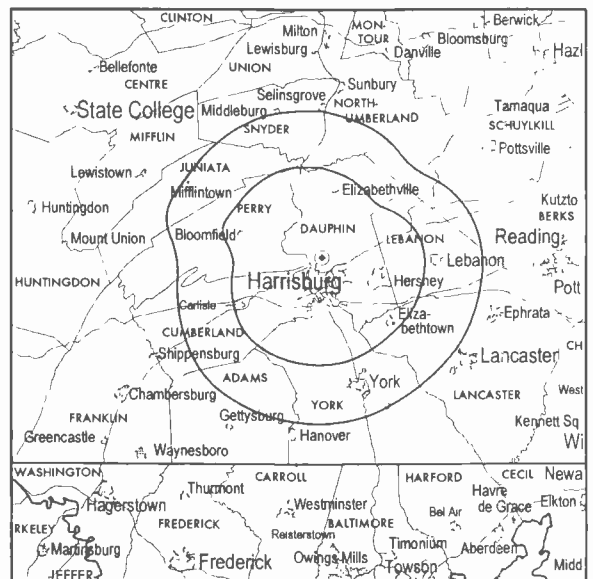
WNCN 92.1 3.3/300



WTPA 93.5 1.25/719

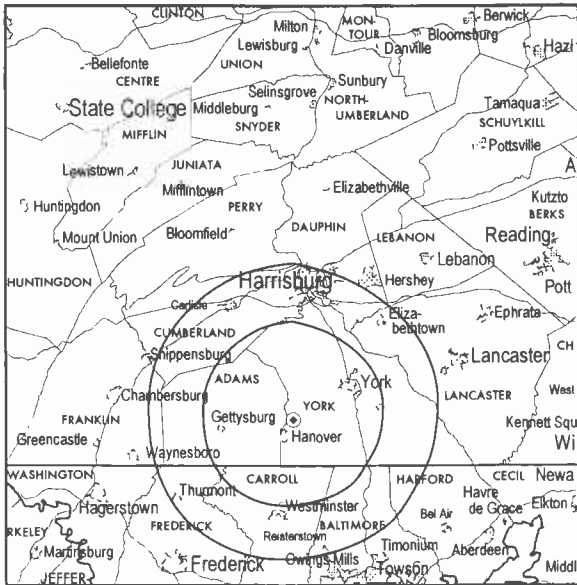


WYMJ 94.9 25/700



WRVW 97.3 17/840

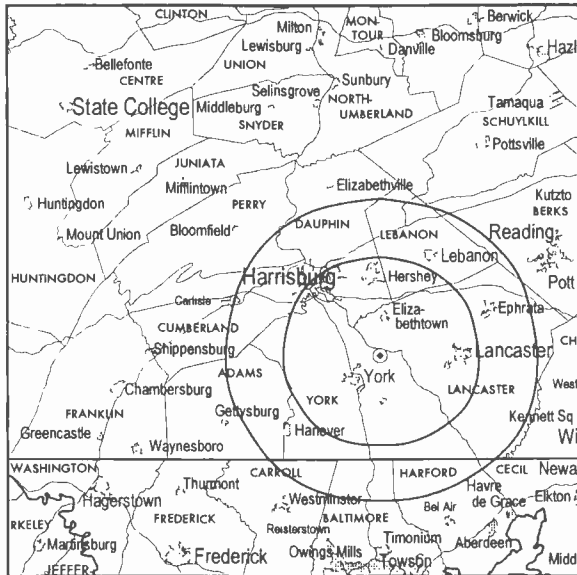
HARRISBURG



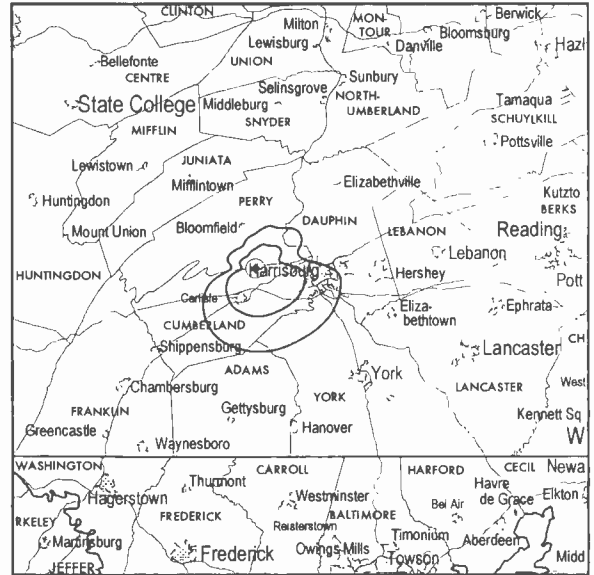
WYCR 98.5 10.65/926



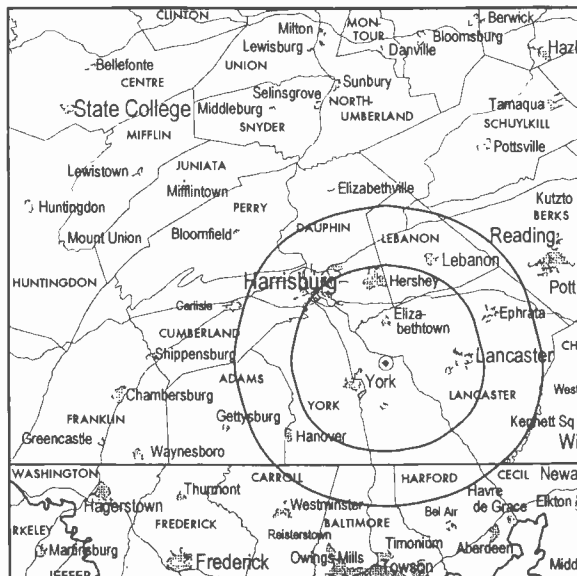
WWKL 99.3 6/328



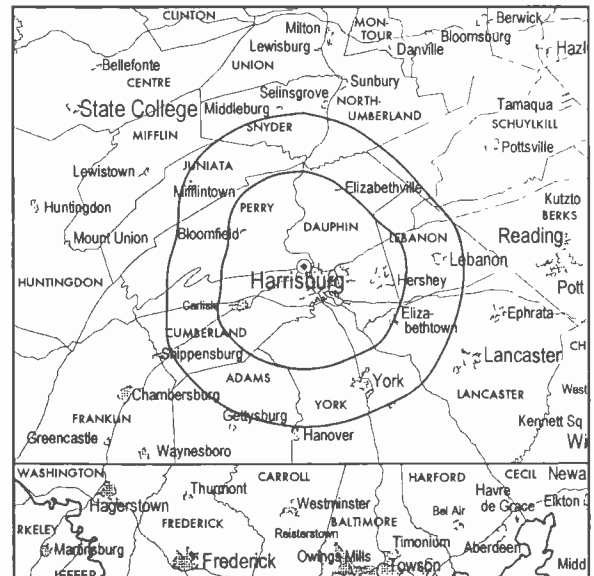
WROZ 101.3 6.9/1293



WHYL 102.3 3/328

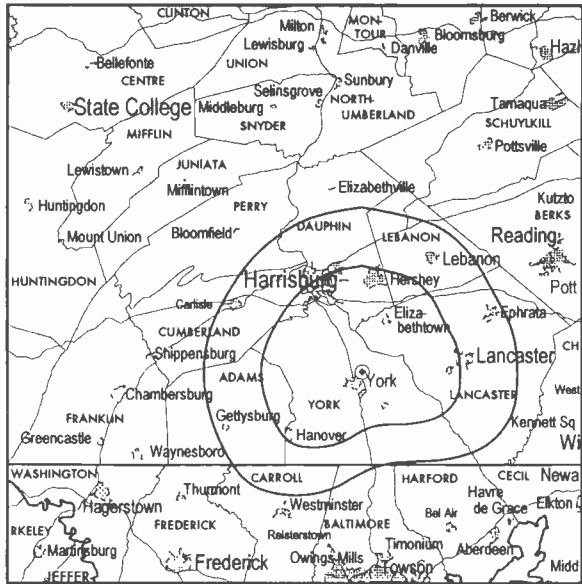


WARM 103.3 6.4/1306



WNNK 104.1 22.5/725

HARRISBURG



WQXA 105.7 25.1/704

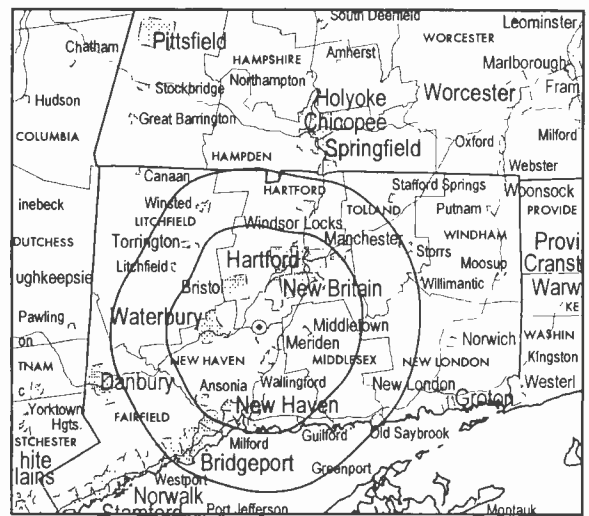
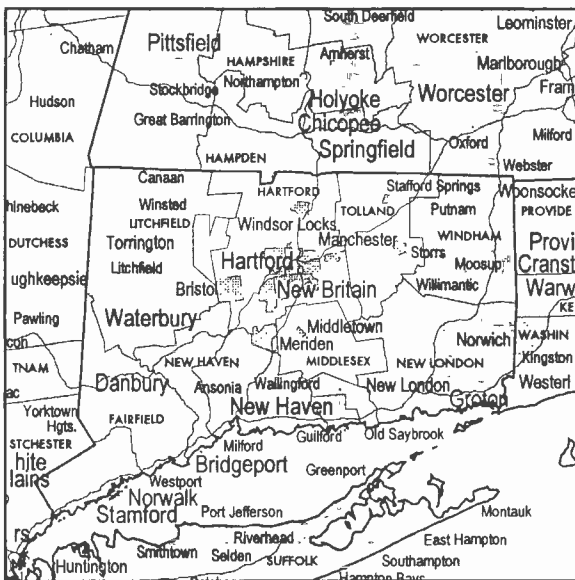


WRKZ 106.7 14/928

HARTFORD

Call	Lic/CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WVYZ	L	92.5	B	17.00	No	879	268	194	41 33 47	72 50 42
Antenna farm, West Peak State Park, Meriden Mtn., between Meriden and Southington, SSW of Hartford										
City of License: Waterbury, CT										
WZMX	L	93.7	B	17.00	No	850	259	180	41 33 42	72 50 41
West Peak, Meriden Mtn.										
City of License: Hartford, CT										
WKSS	L	95.7	B	16.50	Yes	879	268	200	41 33 41	72 50 39
West Peak, Meriden Mtn.										
City of License: Meriden, CT										
WTIC	L	96.5	B	20.00	No	810	247	455	41 46 27	72 48 20
357 Deercliff, Talcott Mtn., between West Hartford and Avon										
City of License: Hartford, CT										
WRCH	L	100.5	B	7.50	No	1250	381	1339	41 42 13	72 49 57
Rattlesnake Mtn., 200 ft. SW of Colt Highway, Farmington										
City of License: New Britain, CT										
WDRC	L	102.9	B	19.50	No	810	247	135	41 33 44	72 50 40
West Peak, Meriden Mtn.										
City of License: Hartford, CT										
WMRQ	L	104.1	B	18.00	Yes	866	255	200	41 33 41	72 50 39
On tower with WKSS 95.7										
City of License: Waterbury, CT										
WHCN	L	105.9	B	16.00	Yes	867	264	200	41 33 47	72 50 42
West Peak, Meriden Mtn.										
City of License: Hartford, CT										
WCCC	L	106.9	B	23.20	No	725	221	347	41 47 48	72 47 50
3114 Albany Avenue, Talcott Mtn., between West Hartford and Avon										
City of License: Hartford, CT										

Market overview/update: No major signal changes, no drop-ins or move-ins.



WVYZ	92.5	17/879
WZMX	93.7	17/850
WDRC	102.9	19.5/810

HARTFORD



WKSS 95.7 16.5/879



WTIC 96.5 20/810



WRCH 100.5 7.5/1250



WMRQ 104.1 18/866



WHCN 105.9 16/867



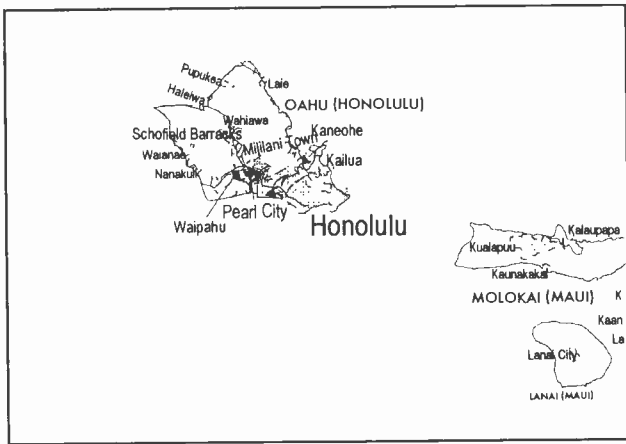
WCCC 106.9 23.2/725

HONOLULU

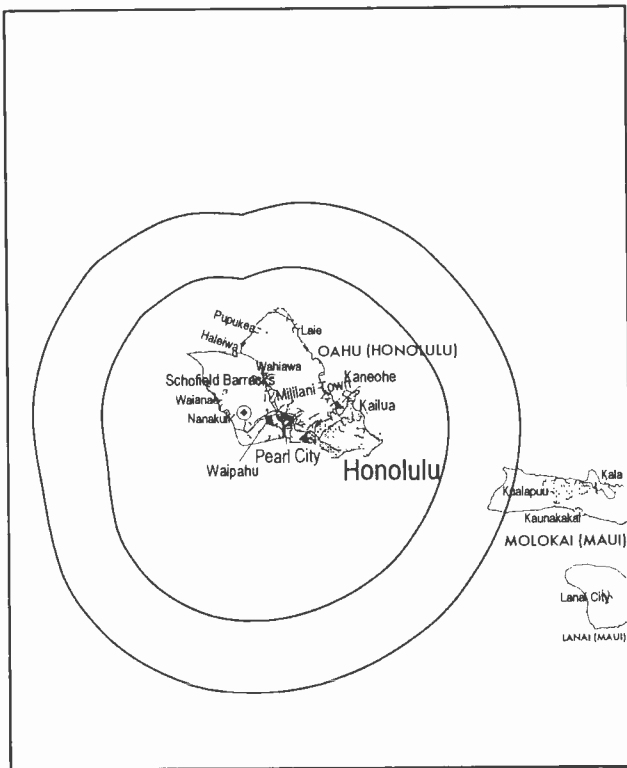
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KSSK Palehua Rd., Palikea Ridge of Waianae Mtns., 6 mi. W of Waipahu City of License: Waipahu, HI	L	92.3	C	100.00	Yes	1950	594	180	21 23 49	158 05 58
KQMQ Ch. 9 tower, 1534 Kapiolani Blvd. City of License: Honolulu, HI	L	93.1	C1	54.00	No	-119	-36	436	21 17 46	157 50 36
KIKI KSSK 590/KHVH 830 AM Tower, corner of Kokea St. and Dillingham Blvd., W of downtown City of License: Honolulu, HI	L	93.9	C1	100.00	No	-144	-44	440	21 19 26	157 52 32
KUMU Tapa Tower, Hilton Hawaiian Village Hotel, 2005 Kalia Rd., Waikiki City of License: Honolulu, HI	L	94.7	C1	100.00	No	78	24	492	21 17 09	157 50 19
KAIM 1142 12th Avenue, Honolulu City of License: Honolulu, HI	L	95.5	C1	100.00	No	-24	-7	227	21 17 08	157 48 08
KRTR Crest of Wiliwilinui Ridge of Koolau Mtns, with Ch. 26, above Aina Haina, S of Waimanalo City of License: Kailua, HI	L	96.3	C	75.00	No	2140	652	100	21 19 49	157 45 24
KPOI Atop Ala Moana Hotel, 410 Atkinson Dr. City of License: Honolulu, HI	L	97.5	C1	83.00	No	46	14	472	21 17 37	157 50 32
KKLV Atop Century Square Building, 1188 Bishop St., downtown Honolulu City of License: Honolulu, HI	L	98.5	C1	51.00	No	59	18	456	21 18 49	157 51 43
KCCN Adjacent to KSSK-FM tower, Palikea Ridge of Waianae Mtns. City of License: Honolulu, HI	L	100.3	C	100.00	Yes	1965	599	203	21 23 51	158 06 51
KUCD On tower with KCCN 100.3, KINE 105.1 and KGMZ 107.9 City of License: Pearl City, HI	L	101.9	C	100.00	Yes	1965	599	203	21 23 51	158 06 51
KDEO On tower with KSSK 92.3 City of License: Waipahu, HI	L	102.7	C	61.00	Yes	1893	577	180	21 23 49	158 05 58
KINE On tower with KCCN 100.3, KUCD 101.9 and KGMZ 107.9 City of License: Honolulu, HI	L	105.1	C	100.00	Yes	1965	599	203	21 23 51	158 06 51
KGMZ On tower with KCCN 100.3, KUCD 101.9 and KINE 105.1 City of License: Aiea, HI	L	107.9	C	100.00	Yes	1965	599	203	21 23 51	158 06 51

HONOLULU

Market overview/update: Three new Class C FM's have come on the air since '89, KCCN, KGMZ and KUCD. There is an additional CP for Kaneohe, KBLZ, which is to be co-located with KRTR on Wiliwilinui Ridge. KKLV has moved from the old "Ward Avenue" multi-AM tower to a new antenna atop the Century Square Building in downtown Honolulu. The move was enough to raise it from 279' below average terrain, to 59' above average terrain. Following publication of our first edition, many readers asked how several Honolulu FM's could be on tall structures, but end up being *below* average terrain. Answer: The FCC calculates average terrain using readings along radials from the eight "cardinal" points on the compass (N, NE, E, SE, and so on). The Koolau Mountains rise to an elevation of 3100' immediately above the city of Honolulu - far higher than the structures from which the stations transmit. Radials over the ocean register a "zero" value. The resulting "average" terrain figure is a negative number. Still the coverage is viable, since the antennas are "line-of-sight" to a major percentage of Honolulu's populace. KSSK, KINE, KCCN, KDEO, KGMZ and KUCD transmit from a common site in the Waianae Mountains in the western part of the island of Oahu. The island's best overall (but most environmentally-sensitive) transmitter site is Wiliwilinui Ridge, which has a direct view of both the windward (Kaneohe/Kailua) and leeward (Honolulu) sides of the island. Currently, KRTR shares this site with Hawaii Public Radio and TV and Ch. 26.



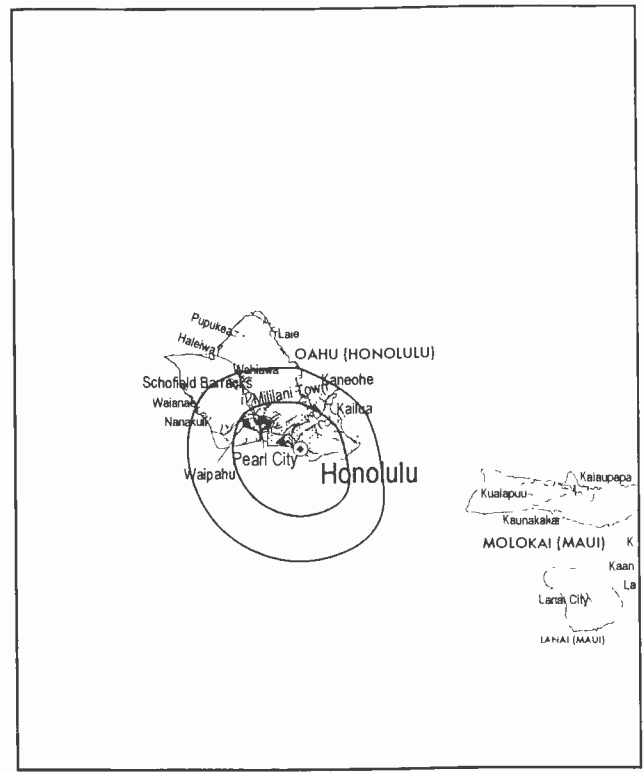
ARBITRON METRO AREA
The island of Oahu (City and County of Honolulu)
is the metro.



KSSK

92.3

100/1950

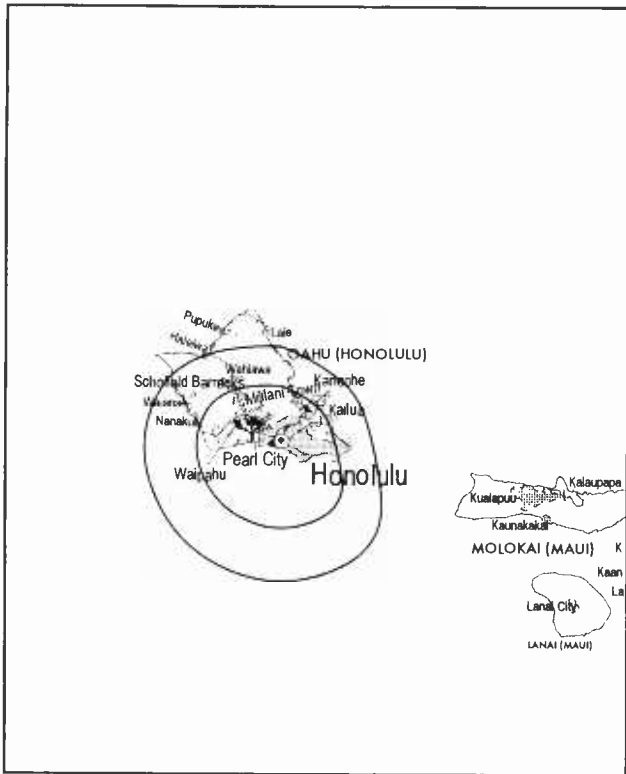


QMQ

93.1

54/-119

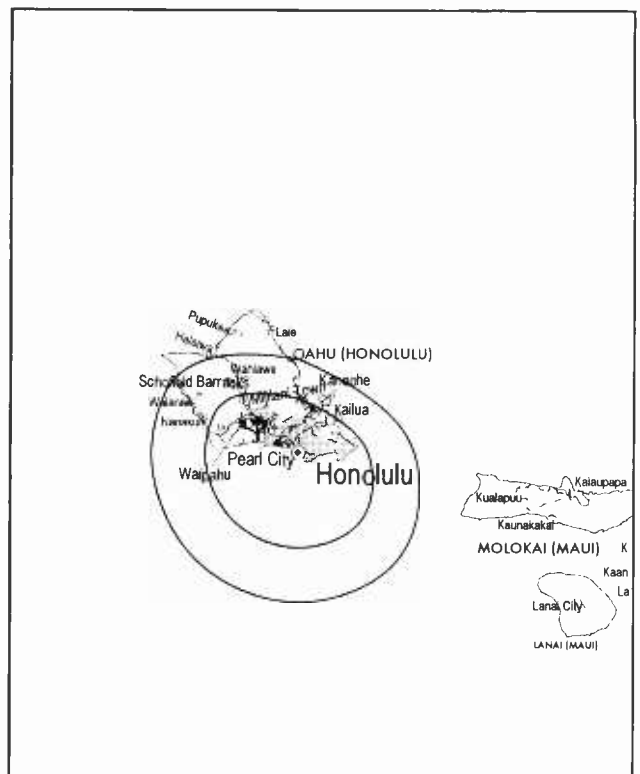
HONOLULU



KIKI

93.9

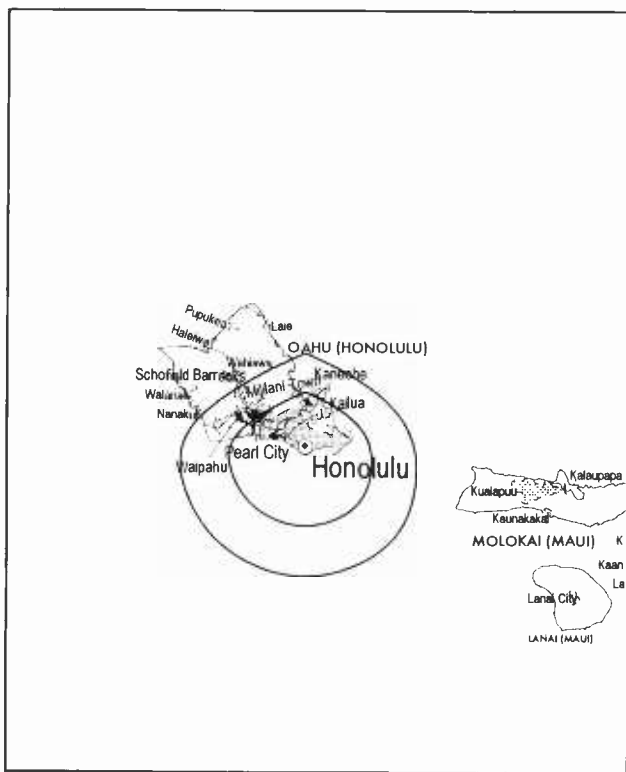
100-144



KUMU

94.7

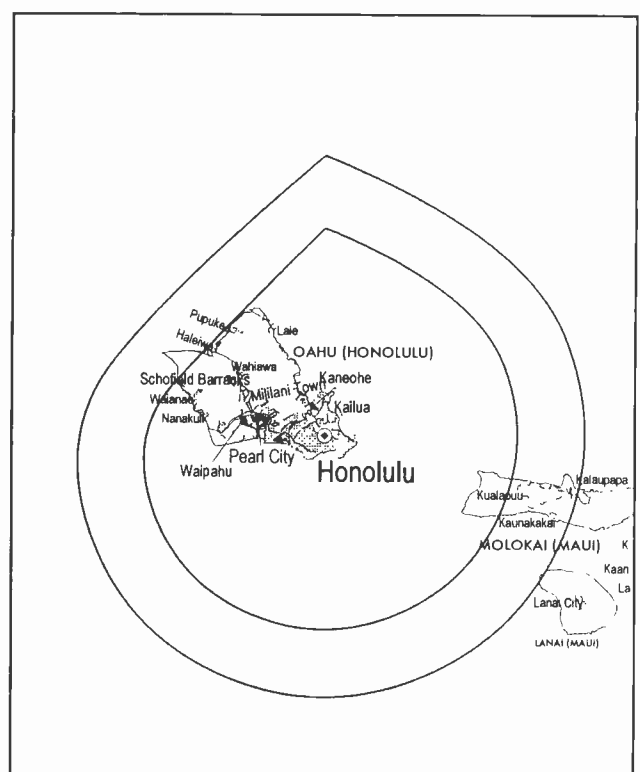
100/78



KAIM

95.5

100-24

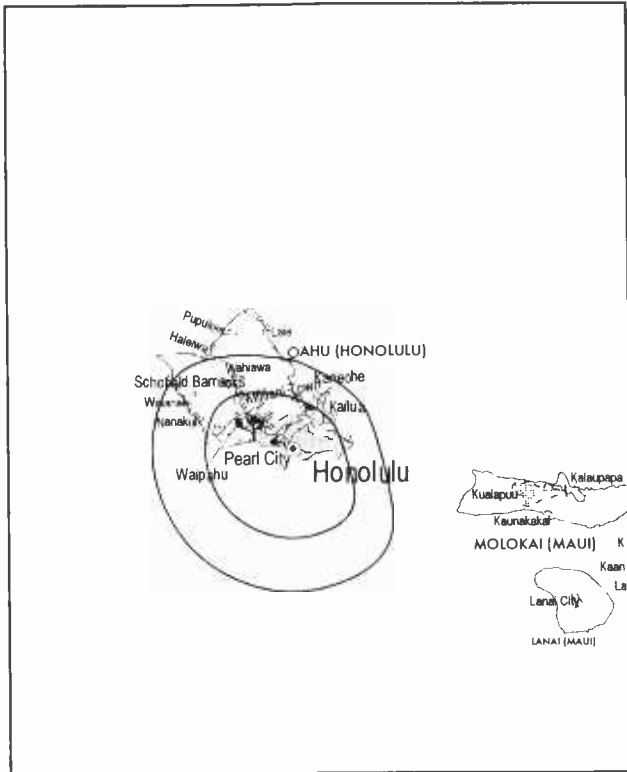


KRTR

96.3

75/2140

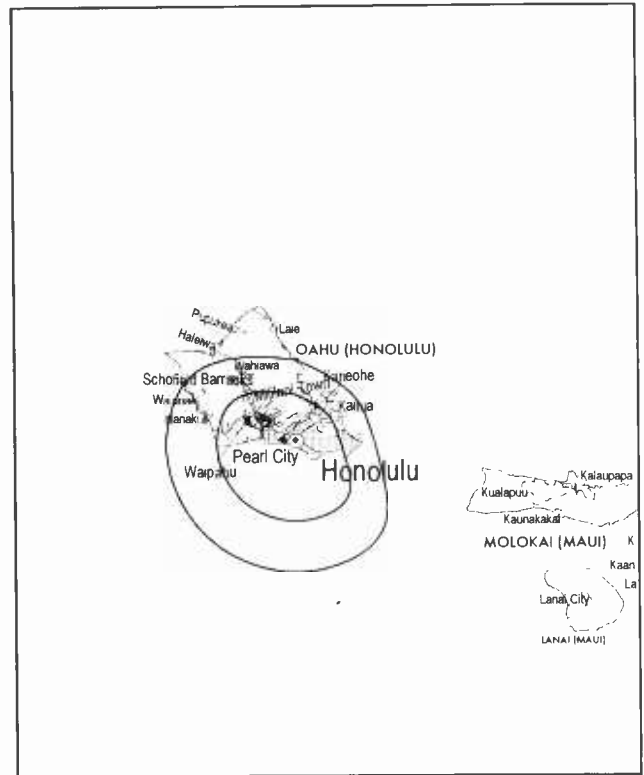
HONOLULU



KPOI

97.5

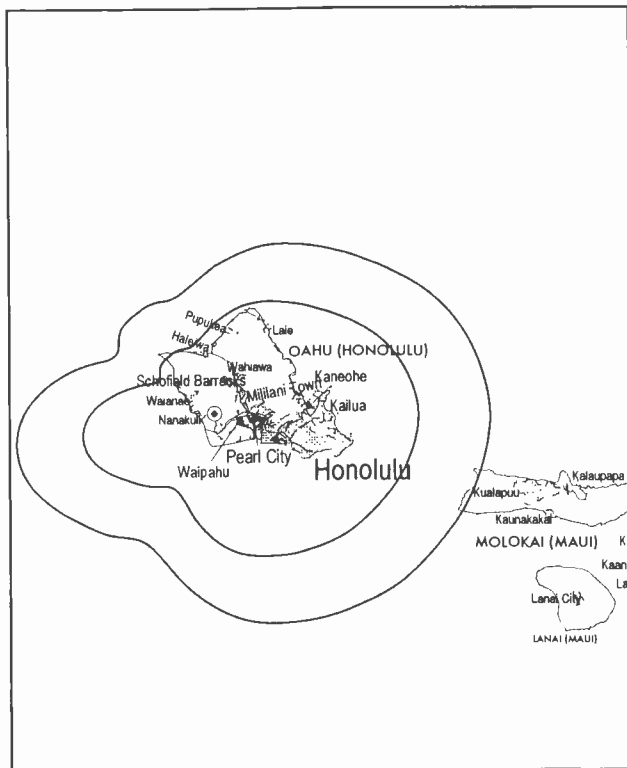
83/46



KKLV

98.5

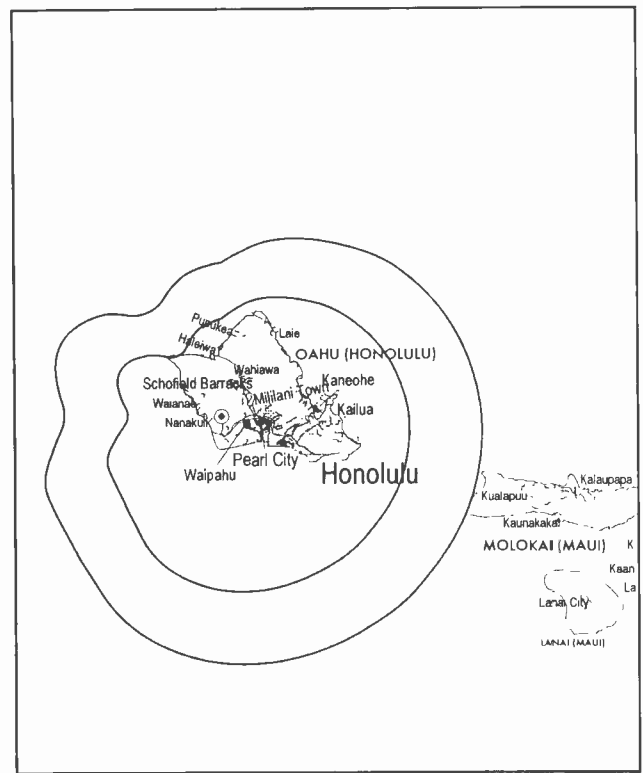
51/59



KCCN
KUCD
KINE
KGMZ

100.3
101.9
105.1
107.9

100/1965
100/1965
100/1965
100/1965



KDEO

102.7

61/1893

HOUSTON

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KRTS On Ch. 48 tower, 3111 W. Parkwood, Alvin City of License: Seabrook, TX	L	92.1	C2	33.00	No	604	184	1197	29 27 57	95 13 23
KRTS CP On TX 30, 3.5 mi. NW of Liverpool, Brazoria County City of License: Seabrook, TX	C	92.1	C1	100.00	No	981	299	1017	29 19 11	95 19 14
KKBQ Senior Road Tower, 4110 McHard Rd., 0.6 mi. E of Missouri City limits, 15 mi. SW of Houston City of License: Pasadena, TX	L	92.9	C	100.00	No	1920	585	1970	29 34 34	95 30 36
KLTN Clear Channel tower, 4 mi. E of Devers, 2 mi. N of US 90 City of License: Port Arthur, TX	L	93.3	C	100.00	No	1952	595	1992	30 03 05	94 31 37
KKRW Ch. 13/26 tower, 5038 Mc Hard Rd. City of License: Houston, TX	L	93.7	C	100.00	Yes	1720	524	1970	29 34 27	95 29 37
KLDE Senior Road Tower City of License: Houston, TX	L	94.5	C	100.00	No	1920	585	1970	29 34 34	95 30 36
KIKK Senior Road Tower City of License: Houston, TX	L	95.7	C	100.00	No	1920	585	1970	29 34 34	95 30 36
KHMX Senior Road Tower City of License: Houston, TX	L	96.5	C	100.00	No	1920	585	1970	29 34 34	95 30 36
KOND 2.8 mi N of Shepard and 2.8 mi NW of intersection of TX150 & FM 222, San Jacinto County City of License: Cleveland, TX	L	97.1	C1	100.00	No	981	299	1001	30 32 06	95 01 05
KOND CP Increase to Class C, 1847' at same site City of License: Cleveland, TX	C	97.1	C	100.00	No	1847	563	1880	30 32 06	95 01 04
KBXX Senior Road Tower City of License: Houston, TX	L	97.9	C	100.00	No	1920	585	1970	29 34 34	95 30 36
KHYS Clear Channel tower, with KLTN 93.3, KMIA 100.7 and KXTJ 107.9, Devers City of License: Port Arthur, TX	L	98.5	C	100.00	No	1952	595	1992	30 03 05	94 31 37
KODA Senior Road Tower City of License: Houston, TX	L	99.1	C	100.00	No	1920	585	1970	29 34 34	95 30 36
KILT Senior Road Tower City of License: Houston, TX	L	100.3	C	100.00	No	1920	585	1970	29 34 34	95 30 36

HOUSTON

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KMIA Clear Channel tower, with KLTN 93.3, KHYS 98.5 and KXTJ 107.9, Devers City of License: Winnie, TX	L	100.7	C	100.00	No	1952	595	1992	30 03 05	94 31 37
KLOL Senior Road Tower City of License: Houston, TX	L	101.1	C	100.00	No	1920	585	1970	29 34 34	95 30 36
KMJQ On Ch. 13/26 tower with KRRW 93.7 City of License: Houston, TX	L	102.1	C	100.00	No	1720	524	1970	29 34 27	95 29 37
KQUE 315 N. Ennis St., Houston City of License: Houston, TX	L	102.9	C	100.00	No	984	300	1007	29 45 26	95 20 18
KJOJ NE of Ranch Rd. 457, near San Bernard Nat'l. Wildlife Reserve, E of Sargent City of License: Freeport, TX	L	103.3	C	100.00	No	994	303	1047	28 48 57	95 36 03
KRBE Senior Road Tower City of License: Houston, TX	L	104.1	C	100.00	No	1920	585	1970	29 34 34	95 30 36
KHCB Ch 2/39 tower, 1.5 mi. E of Missouri City city limits City of License: Houston, TX	L	105.7	C	100.00	No	1613	492	1970	29 34 06	95 29 57
KQQK 10335 FM Rd. 2004, Hitchcock, TX City of License: Galveston, TX	L	106.5	C	100.00	No	1322	403	1371	29 18 00	94 06 40
KKHT Scott Rd., near Security, TX City of License: Conroe, TX	L	106.9	C	100.00	No	1129	344	1177	30 20 02	95 12 51
KKHT CP 2.5 mi. E of Splendora, TX, 0.15 mi. due E of Montgomery-Liberty County line City of License: Conroe, TX	C	106.9	C	100.00	No	1900	579	1932	30 13 50	95 07 25
KTBZ 2.9 mi. SE of Liverpool, TX City of License: Lake Jackson, TX	L	107.5	C	98.00	No	1973	601	1998	29 17 16	95 13 53
KXTJ Clear Channel tower, with KLTN 93.3, KHYS 98.5 and KMIA 100.7, Devers City of License: Beaumont, TX	L	107.9	C	100.00	Yes	1807	551	1992	30 03 05	94 31 37

HOUSTON

Market overview/update: Houston, which has 13 full-power, central-city FM signals, has become the breeding ground for a unique phenomenon: the long-stretch, tall-tower, second-adjacent move-in. A couple of 2,000' towers have already been built just for Houston FM move-ins, and several 1000'+ FM move-in sticks ring the environs. Several unusual circumstances support this phenomenon. Geographically, the place is huge - it may be the least-compact major metro in America (and the low density means that slightly less signal strength can provide satisfactory service). Second, the terrain is tabletop flat, meaning that 100-kw from a 2000' tower goes a long way. Because of these factors, the cities from which Houston move-in signals are drawn have been a bit farther away from the central city than the national average.

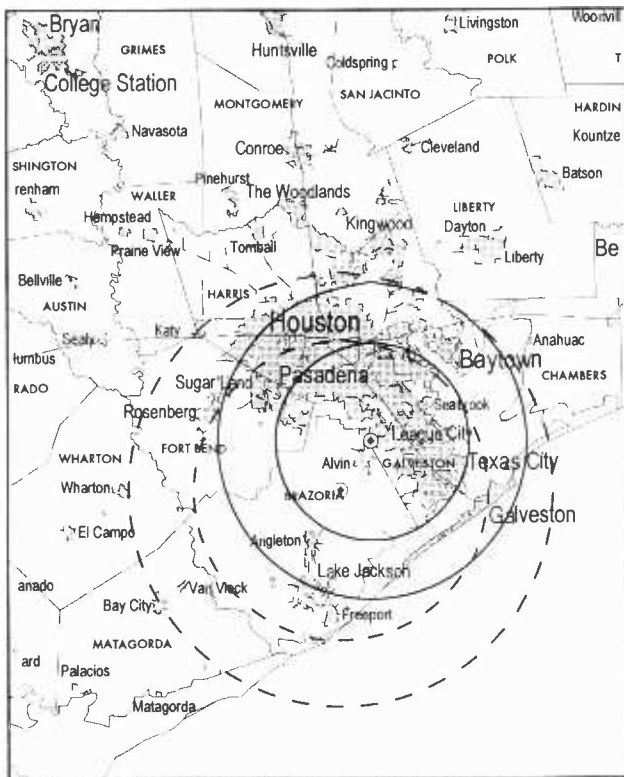
Since our last edition, the biggest change in the market is that three additional stations have gone up on the Clear Channel Tower near Devers, joining the KHYS move-in, for which the tower was originally built. They are KLTN (93.3), KXTJ (107.9) and KMIA, which was granted a city-of-license change from Jasper to Winnie. KLTN and KXTJ are licensed in the Beaumont/Port Arthur market. KRTS Seabrook upgraded from Class A to Class C2 since our last edition, and holds a CP to upgrade to Class C1. KQQK was finally able to construct its tall tower. KKHT Conroe still holds a CP to construct a 1932' tower north of Houston (delayed due to FAA restrictions). KOND Cleveland holds a CP to build an 1880' tower at its current site in San Jacinto County.

Nine Houston FM's transmit from the jointly-developed Senior Road Tower in the antenna farm area to the southwest of the city. Each of the partner stations has identical theoretical coverage - 100-kw, non-directional, at 1920' above average terrain - just a few feet short of the full 1968' maximum Class C power ceiling. Senior Road is, by far, the tallest structure ever built strictly as a multi-station FM facility. And it marks one of the few times that most of a market's radio operators have agreed to work together to develop a common antenna site. Senior Road ranks with the Guy Gannett 441 tower in Miami as the largest and most complex transmission facilities built primarily for FM.



ARBITRON METRO AREA

HOUSTON



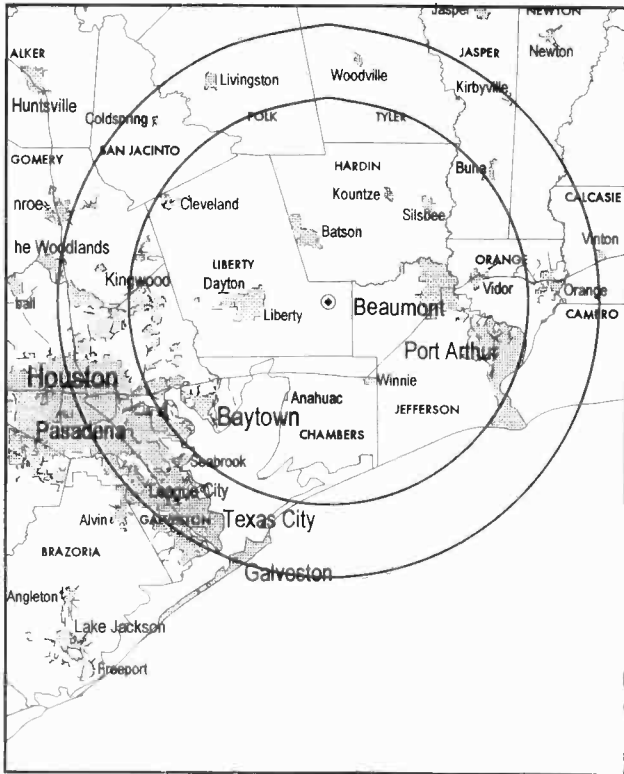
KRTS	92.1	33/604
KRTS CP	92.1	100/981



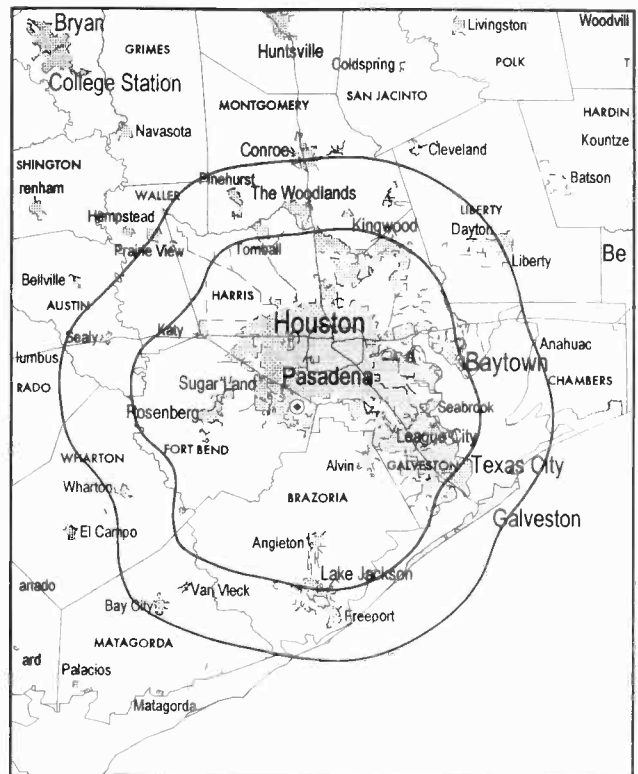
SENIOR ROAD TOWER

KKBQ	92.9	100/1920
KLDE	94.5	100/1920
KIKK	95.7	100/1920
KHMX	96.5	100/1920
KBXX	97.9	100/1920
KODA	99.1	100/1920
KILT	100.3	100/1920
KLOL	101.1	100/1920
KRBE	104.1	100/1920

HOUSTON



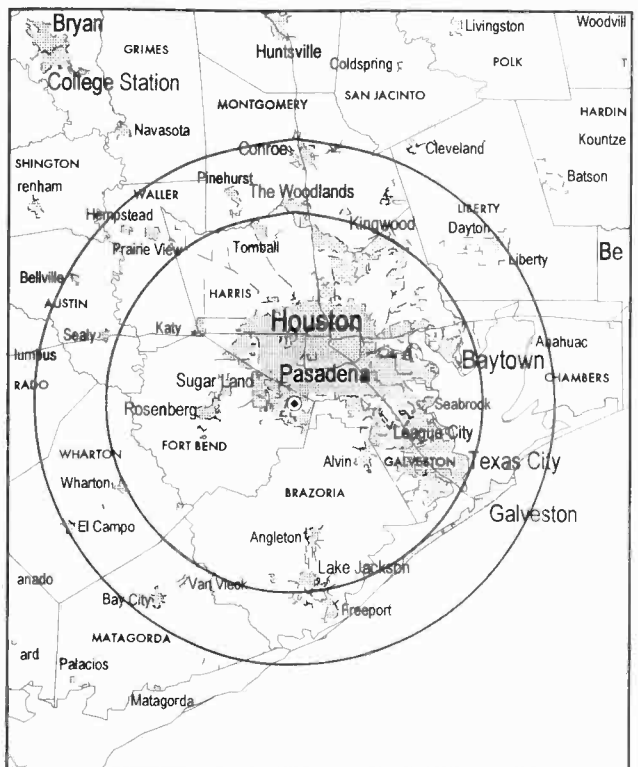
KLTN	93.3	100/1952
KHYS	98.5	100/1952
KMIA	100.7	100/1952



KKRW	93.7	100/1720
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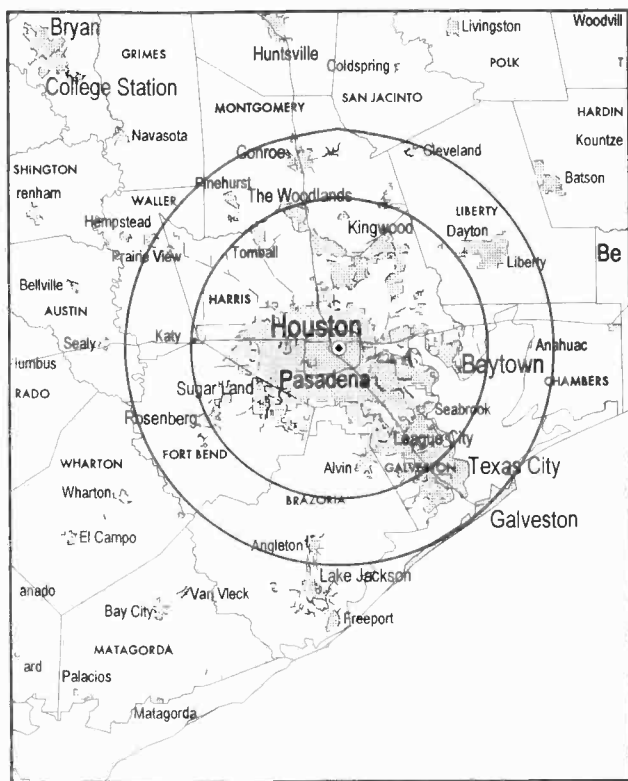


KOND	97.1	100/981
KOND CP	97.1	100/1847



KMJQ	102.1	100/1720
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HOUSTON



KQUE 102.9 100/984



KJOJ 103.3 100/994

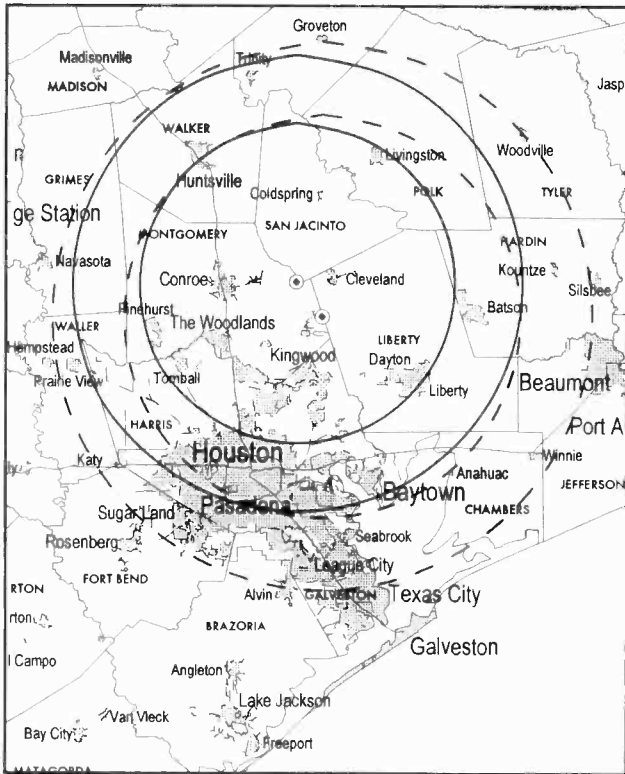


KHCB 105.7 100/1613

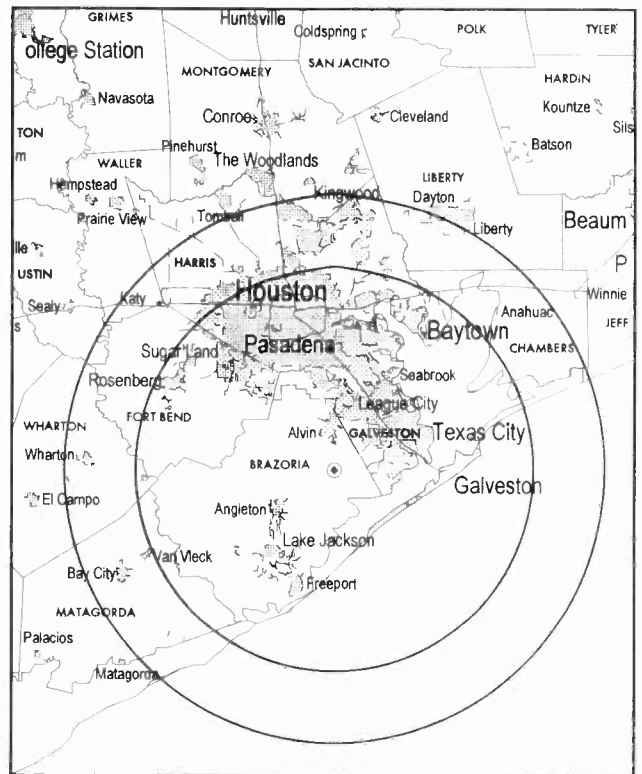


KQQK 106.5 100/1322

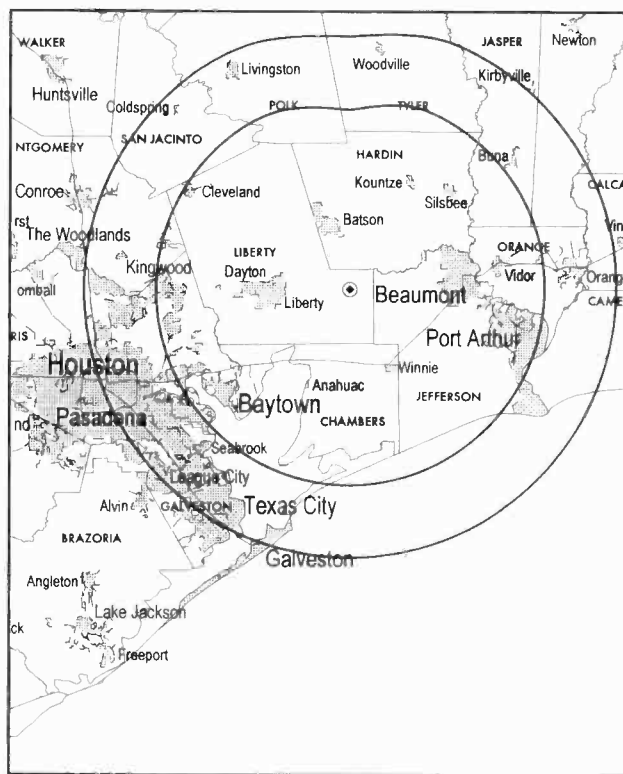
HOUSTON



KKHT 106.9 100/1129
 KKHT CP 106.9 100/1900



KTBZ 107.5 98/1973



KXTJ 107.9 100/1807

INDIANAPOLIS

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WTTS Ch. 4 tower, Trafalgar City of License: Bloomington, IN	L	92.3	B+	37.00	No	1090	332	1170	39 24 27	86 08 52
WNAP 9301 Burk Road, Indianapolis City of License: Indianapolis, IN	L	93.1	B	12.50	No	1022	312	995	39 46 03	86 00 12
WGLD 10511 Greenfield Avenue, SE of Noblesville City of License: Noblesville, IN	L	93.9	A	2.75	No	492	150	500	40 00 55	85 58 58
WFBQ Ch. 59 tower, 2350 Westlane Rd., Indianapolis City of License: Indianapolis, IN	L	94.7	B+	47.00	No	892	272	1014	39 53 20	86 12 07
WFMS On tower with WNAP 93.1 City of License: Indianapolis, IN	L	95.5	B	13.00	No	990	302	995	39 46 03	86 00 12
WHHH Atop Bank One Bldg., 111 Monument Circle, downtown Indianapolis City of License: Indianapolis, IN	L	96.3	A	0.64	No	715	218	829	39 46 11	86 09 26
WENS Southport Rd., 4 mi. SE of Beech Grove City of License: Shelbyville, IN	L	97.1	B	23.00	No	739	225	694	39 40 02	86 01 51
WXIR S of US 36, 3 mi. NE of Plainfield City of License: Plainfield, IN	L	98.3	A	3.00	No	300	91	292	39 45 33	86 22 30
WZPL On tower with WNAP 93.1 City of License: Greenfield, IN	L	99.5	B	12.60	No	990	302	995	39 46 03	86 00 12
WIRE Boone County Rd. 550, 6.1 mi. SSE of Lebanon City of License: Lebanon, IN	L	100.9	A	3.00	No	300	91	292	39 57 35	86 26 46
WQFE SE of Jct of County Rd 800 E and 400 N, 2 Mi SE of Brownsburg City of License: Brownsburg, IN Note: Holds CP to increase to 3.7kw on existing antenna	L	101.9	A	2.50	No	253	77	151	39 49 07	86 22 40
WRZX Adjacent to Ch. 6 tower, 79th St. & Township Line Rd. City of License: Indianapolis, IN	L	103.3	B	18.00	No	850	259	891	39 53 43	86 12 04
WGRL On tower with Ch. 69, W. 46th St. at White River, Butler University campus City of License: Indianapolis, IN	L	104.5	B	50.00	No	492	150	643	39 50 25	86 10 34
WTLC Former WFMS tower, 2255 Hawthorne Lane City of License: Indianapolis, IN	L	105.7	B	50.00	No	450	137	520	39 48 01	86 04 39

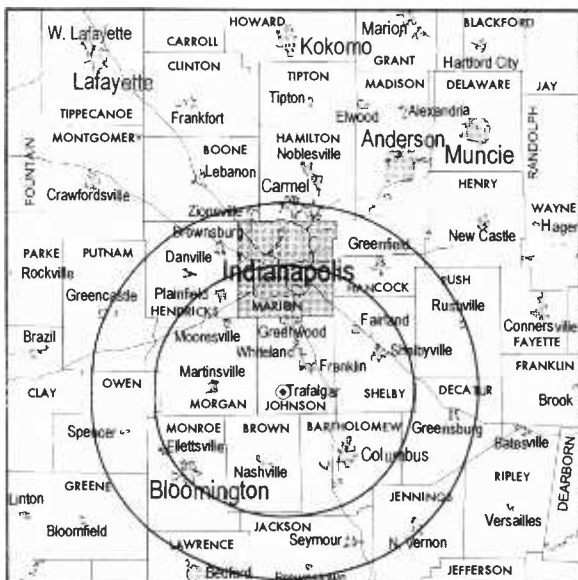
INDIANAPOLIS

WGGR	L	106.7	A	3.00	No	328	100	381	39 42 42	86 08 45
Madison Ave., just S of Sumner Ave., Indianapolis										
City of License: Greenwood, IN										
WSYW	L	107.1	A	0.88	No	604	184	500	39 48 06	86 34 24
W of IN 236, 3.7 mi NW of Danville										
City of License: Danville, IN										
WTP1	L	107.9	B	21.90	No	762	232	891	39 53 43	86 12 04
On tower with WRZX 103.3										
City of License: Indianapolis, IN										

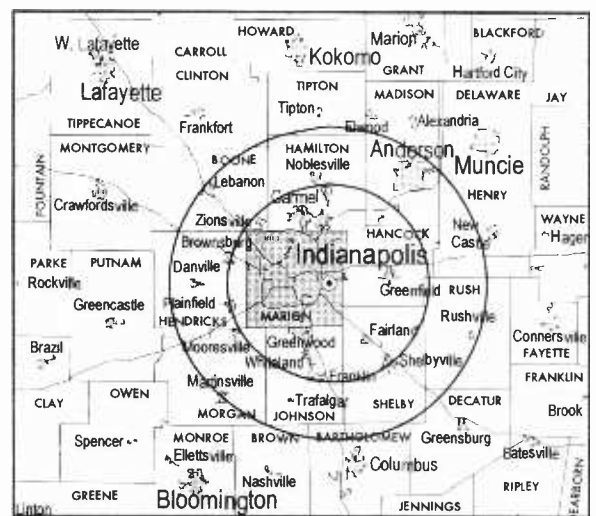
Market overview/update: There have been no major changes at the 12 FM stations listed in the Indianapolis section of our first edition. However, five stations have joined the market's ranks in the interim. Susquehanna bought the Class B facility on 104.5 from Butler University, and has converted it to commercial operation as WGRL. Butler's existing facility was well-positioned and full-power for the class, and remains the station's licensed main transmitter. Also, four Class As have come on since '89. WHHH is atop the tallest downtown building. WGLD transmits from a 500' stick just south of Noblesville, and WGGR, licensed to Greenwood, transmits from a substantial tower on the southwest side of the city. WQFE Brownsburg beams in from west of the city.



ARBITRON METRO AREA



WTT5 92.3 37/1090

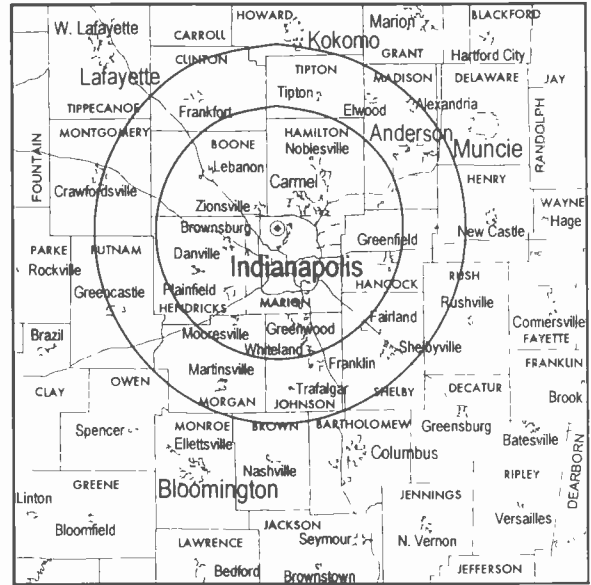


WNAP	93.1	12.5/1022
WFMS	95.5	13/990
WZPL	99.5	12.6/990

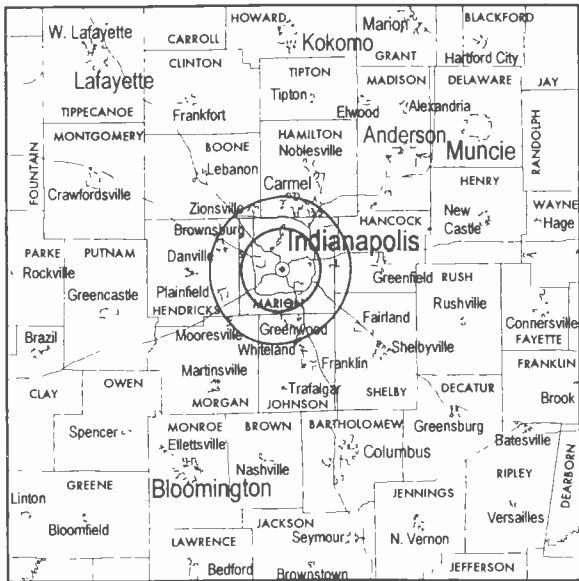
INDIANAPOLIS



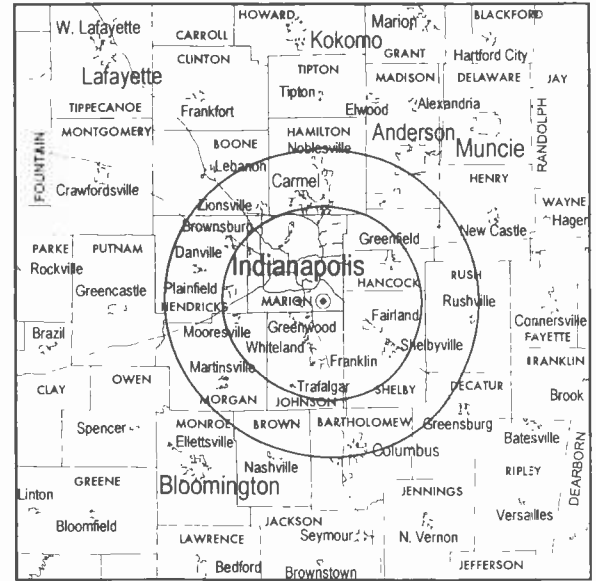
WGLD 93.9 2.75/492



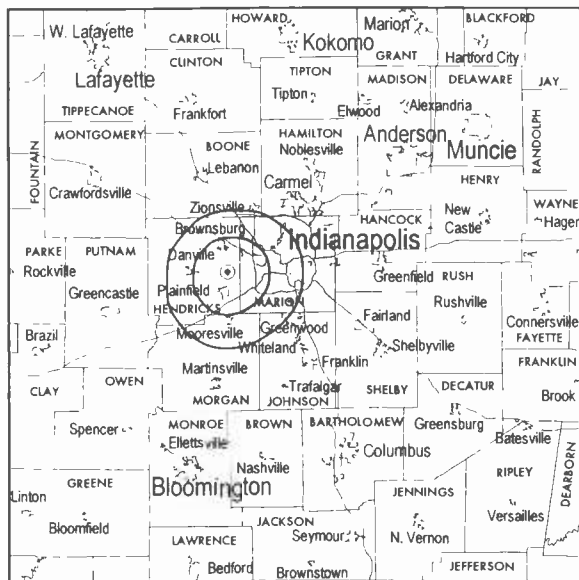
WFBQ 94.7 47/892



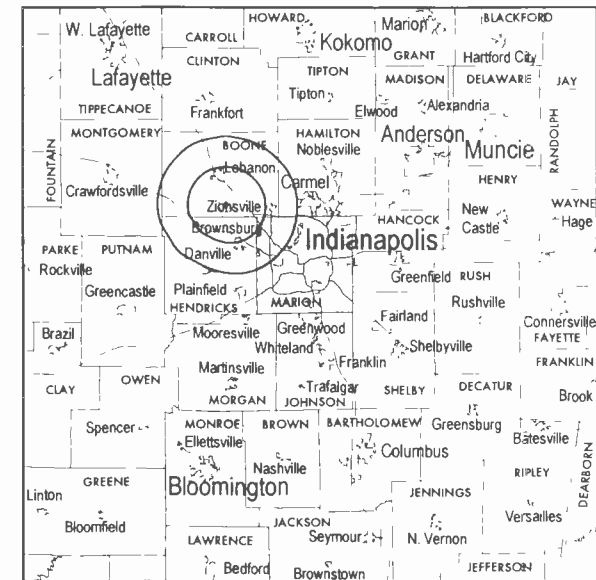
WHHH 96.3 640w/715



WENS 97.1 23/739

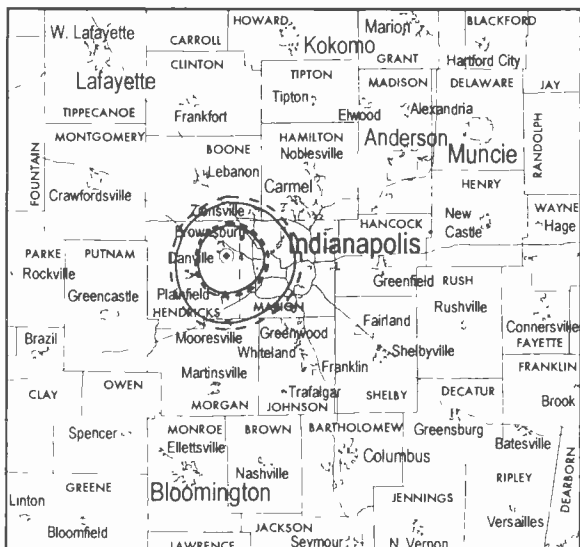


WXIR 98.3 3/300

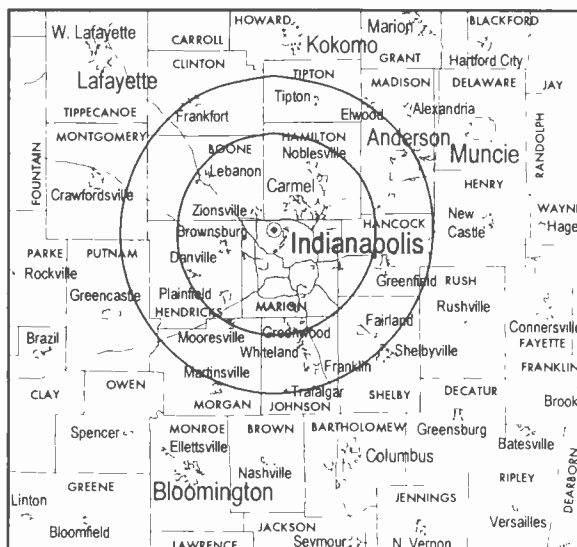


WIRE 100.9 3/300

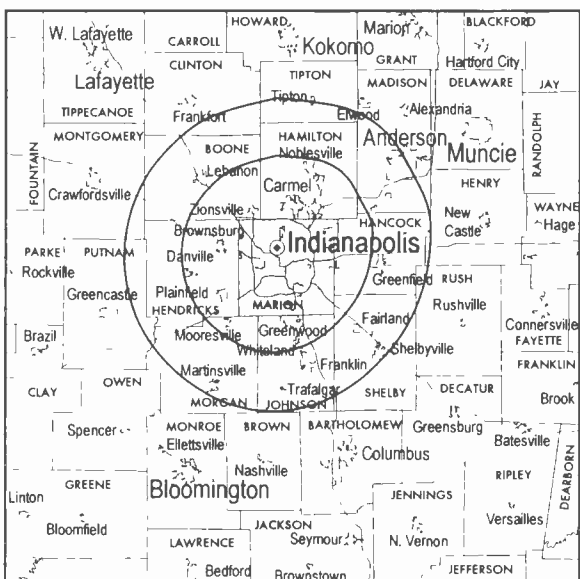
INDIANAPOLIS



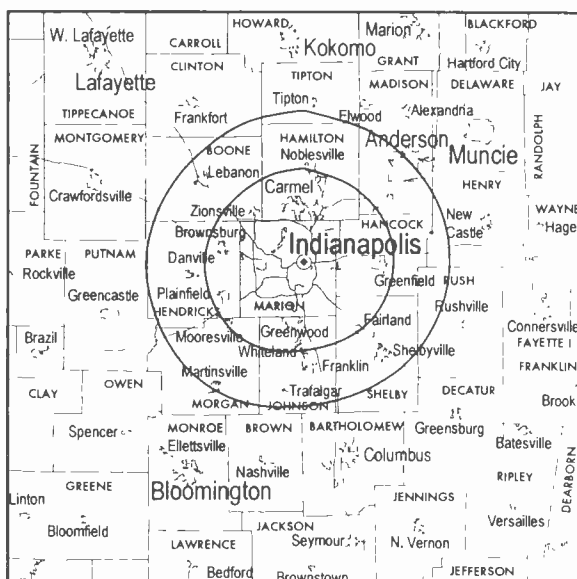
WQFE 101.9 2.5/253
 WQFE CP 101.9 3.7/253



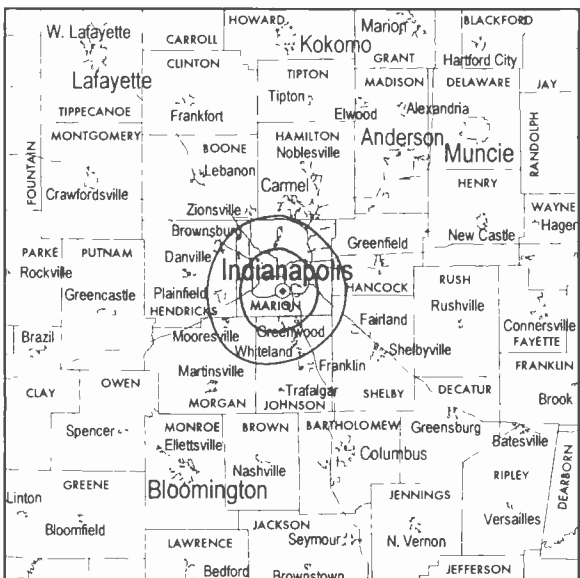
WRZX 103.3 18/850
 WTPI 107.9 21.9/762



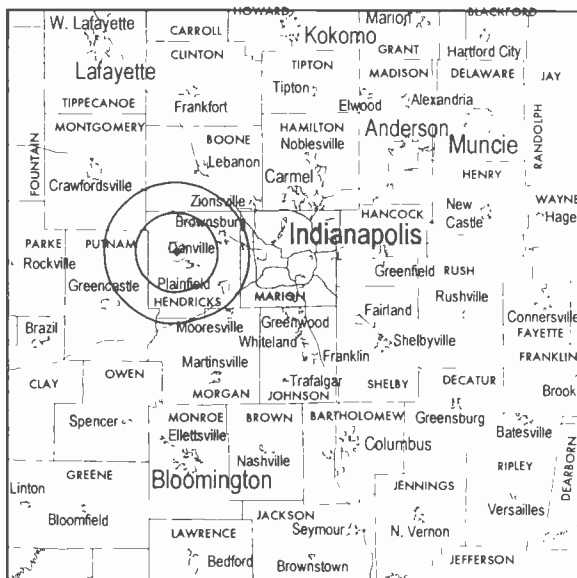
WGRL 104.5 50/492



WTLC 105.7 50/450



WGGR 106.7 3/328



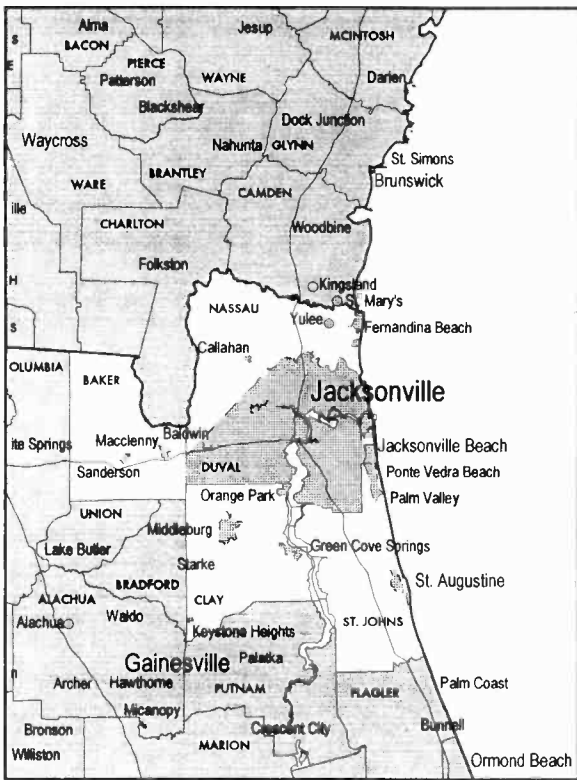
WSYW 107.1 880w/604

JACKSONVILLE

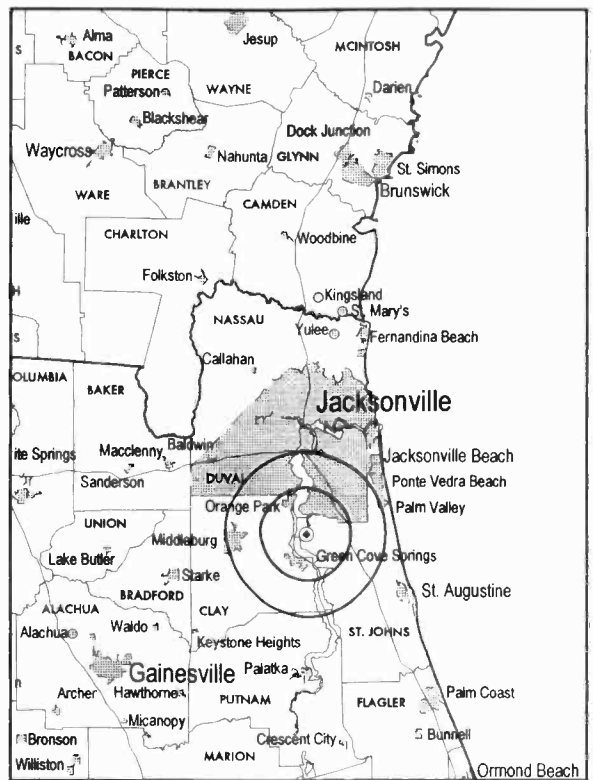
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WJBT 0.5 mi. S of Switzerland, E of FL 13 City of License: Green Cove Springs,	L	92.7	A	6.00	No	300	91	330	30 04 12	81 38 50
WPLA Lina Rd., 2 mi. SW of Nassauville City of License: Callahan, FL	L	93.3	C2	50.00	No	463	141	486	30 33 22	81 33 13
WAPE Former Ch. 12/7 tower, 1084 E. Adams St., downtown Jacksonville City of License: Jacksonville, FL	L	95.1	C	100.00	No	984	300	1032	30 19 22	81 38 34
WEJZ Diplexed with WAPE 95.1 City of License: Jacksonville, FL	L	96.1	C	100.00	No	984	300	1032	30 19 22	81 38 34
WKQL Four-station diplexed antenna, Jacksonville antenna farm, 9090 Hogan Rd. City of License: Jacksonville, FL	L	96.9	C	100.00	No	1014	309	1069	30 16 34	81 33 53
WFSJ US 1 at Duval/St. Johns County line City of License: St. Augustine, FL	L	97.9	C2	50.00	Yes	482	147	500	30 06 14	81 28 11
WQIK With WKQL 96.9 City of License: Jacksonville, FL	L	99.1	C	100.00	No	1014	309	1069	30 16 34	81 33 53
WWRR 3.2 mi. WNW of Kingsland, GA City of License: Brunswick, GA	L	100.7	C1	36.00	No	1463	446	1504	30 49 17	81 44 13
WSOL Diplexed with WWRR 100.7 City of License: Brunswick, GA	L	101.5	C	100.00	No	1463	446	1504	30 49 17	81 44 13
WIVY With WKQL 96.9 City of License: Jacksonville, FL	L	102.9	C	100.00	No	1014	309	1069	30 16 34	81 33 53
WFYV With WKQL 96.9 City of License: Jacksonville, FL	L	104.5	C	100.00	No	1014	309	1069	30 16 34	81 33 53
WPVJ Channel 47 tower, Hogan Road antenna farm City of License: Ponte Vedra, FL	L	106.5	A	6.00	Yes	328	100	974	30 16 34	81 33 58
WROO Ch. 30/7 tower, Jacksonville antenna farm, 8675 Hogan Rd. City of License: Jacksonville, FL	L	107.3	C1	100.00	No	705	215	1030	30 16 53	81 34 15

Market overview/update: Jacksonville has a very favorable stations-to-population ratio. There are only seven "core," full-coverage FMs. WKQL, WQIK, WIVY and WFYV are full class C operations diplexed into a "master" antenna in the Hogan Road antenna farm. WROO is a C1 on an adjacent TV tower. WAPE and WEJZ are full Cs diplexed on an antenna mounted on the former Ch. 12 tower just east of downtown. All seven have fairly similar coverage. Since our last edition, WJBT (92.7) has gone from 3-kw to 6-kw. There have been two 50-kw move-ins: WPLA, with a 500' tower just over the Nassau County line to the northeast, and WFSJ, with a 500' tower just over the St. Johns County line to the south.

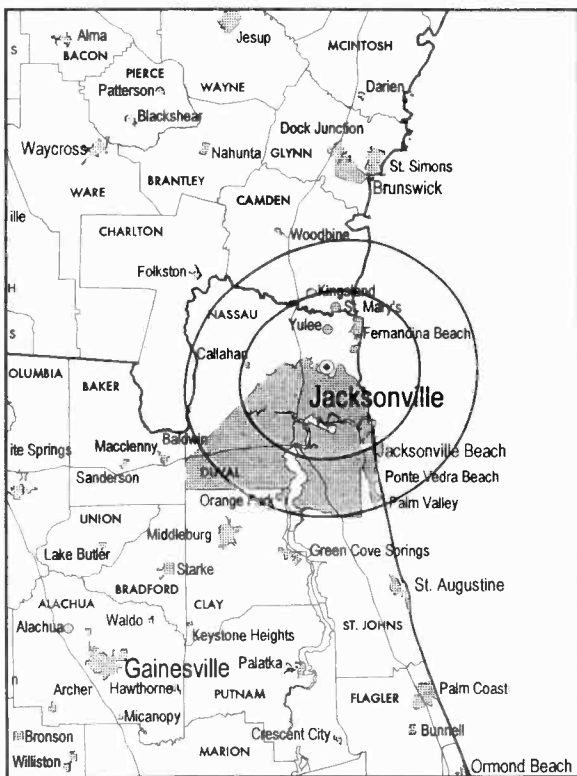
JACKSONVILLE



ARBITRON METRO AREA



WJBT 92.7 6/300

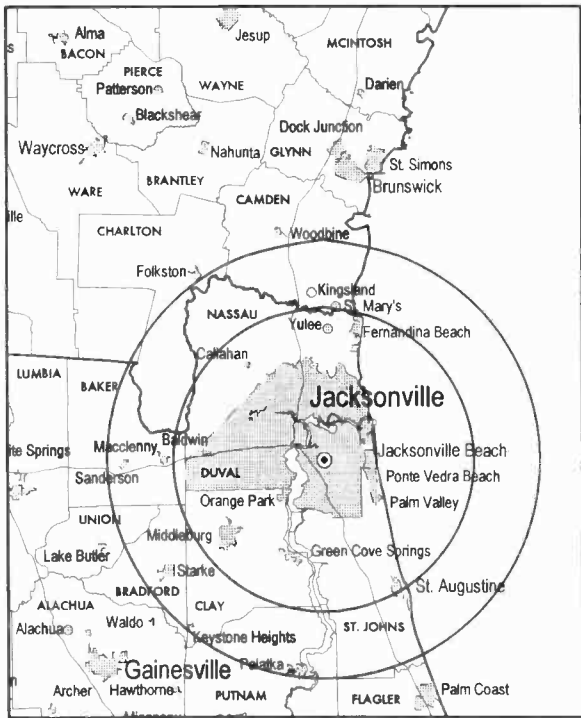


WPLA 93.3 50/463

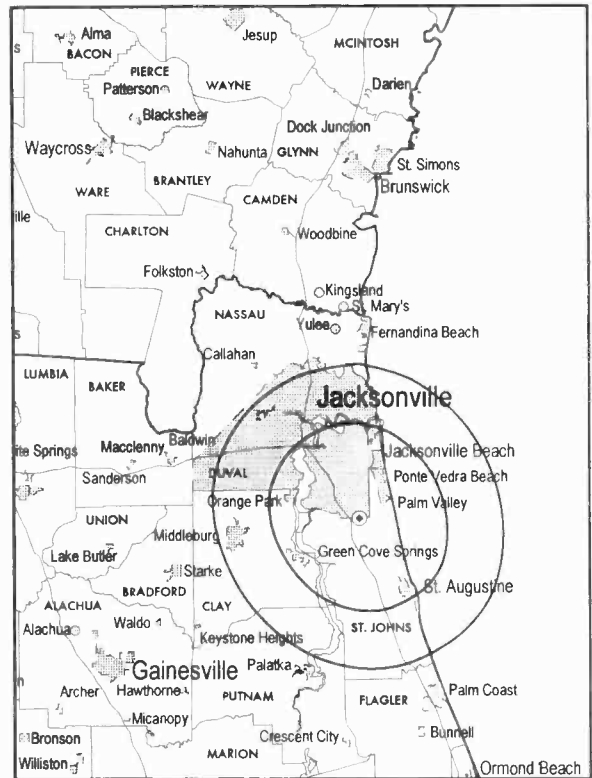


WAPE 95.1 100/984
WEJZ 96.1 100/984

JACKSONVILLE



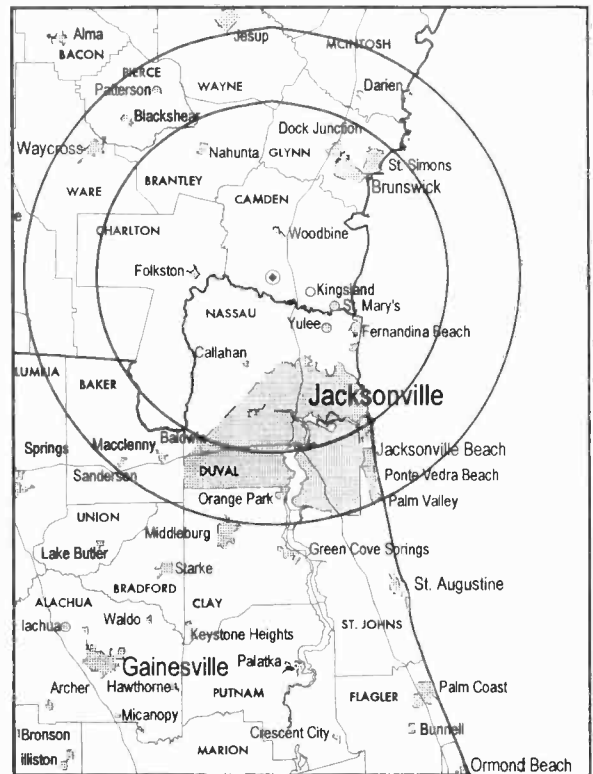
WKQL	96.9	100/1014
WQIK	99.1	100/1014
WIVY	102.9	100/1014
WFYV	104.5	100/1014



WFSJ	97.9	50/482
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WWRR	100.7	36/1463
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WSOL	101.5	100/1463
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JACKSONVILLE



WPVJ

106.5

6/328



WROO

107.3

100/705

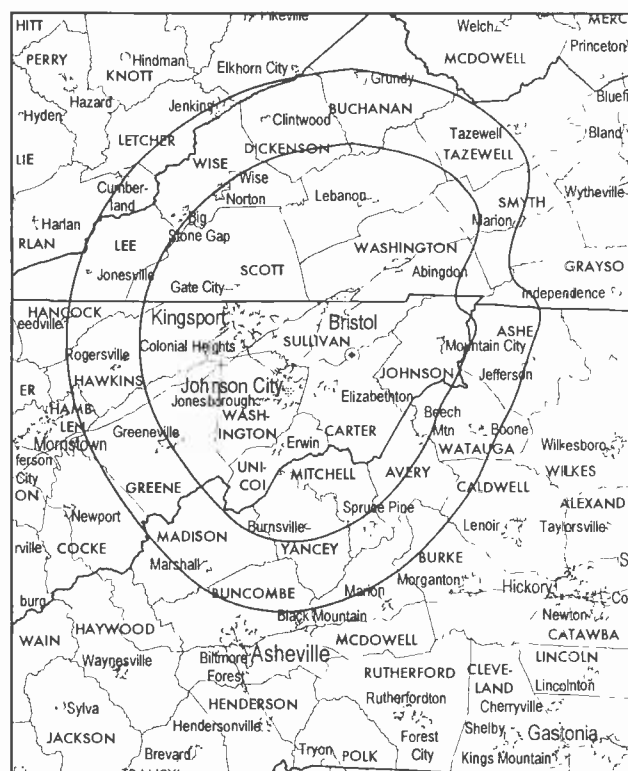
JOHNSON CITY - BRISTOL - KINGSPORT

Call	Lic/CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WXBQ Holston Mtn., adjacent to Chs. 11 & 19, 7.5 mi. NE of Elizabethton City of License: Bristol, TN	L	96.9	C	75.00	Yes	2240	683	153	36 25 59	82 08 11
WTFM Ch. 19 tower, Holston Mtn. City of License: Kingsport, TN	L	98.5	C	74.00	Yes	2241	683	225	36 25 54	82 08 15
WAEZ 7999 Holston Mtn. Rd., on Lock Ridge, E of US 19, 3 mi. N of Elizabethton City of License: Elizabethton, TN	L	99.3	C3	3.80	No	794	242	79	36 19 27	82 20 33
WQUT Former Ch. 11 tower, Buffalo Mtn., 3.5 mi. SE of Johnson City City of License: Johnson City, TN	L	101.5	C	100.00	No	1497	457	350	36 16 07	82 20 21
WKOS Eden's View Extension, Chestnut Ridge, ENE of Kingsport City of License: Kingsport, TN	L	104.9	A	2.75	Yes	492	150	190	36 33 13	82 27 00

Market overview/update: There remain only five "core" FM's in this market. Since '89, WTFM has moved from Bay's Mountain overlooking Kingsport to the region's main antenna farm atop Holston Mountain, vastly improving its coverage. WAEZ, formerly a Class A on a high knob above Johnson City, has upgraded to Class C3, and a site on a ridge of Holston Mountain north of Elizabethton. WKOS, still a Class A, has upgraded from 3-kw equivalent power to 6-kw equivalent power.

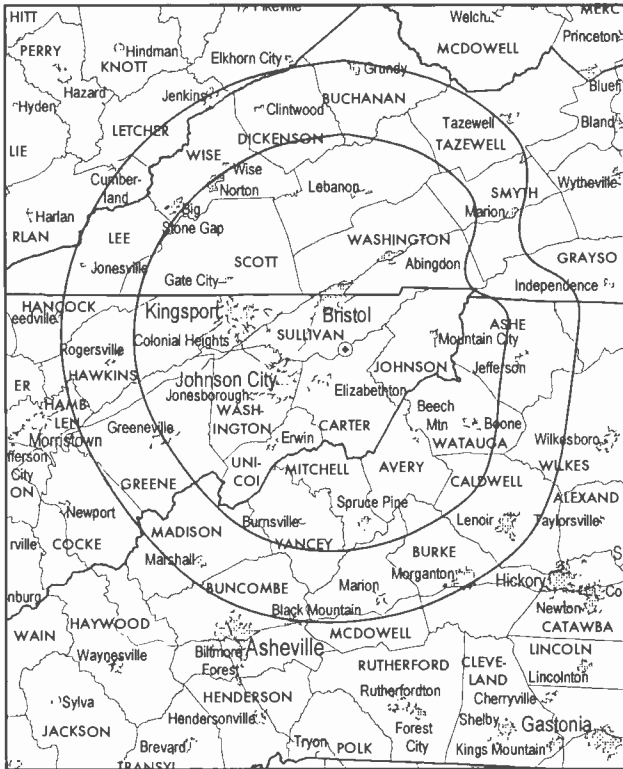


ARBITRON METRO AREA

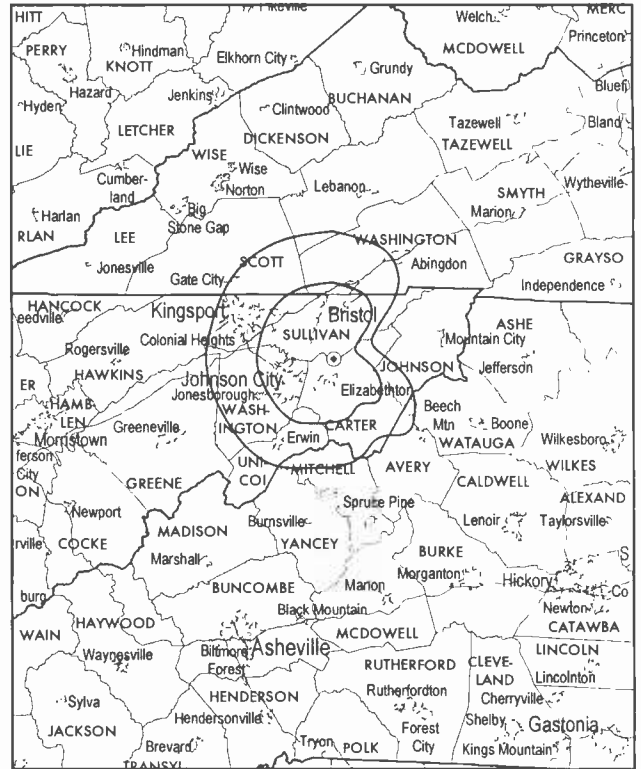


WXBQ 96.9 75/2240

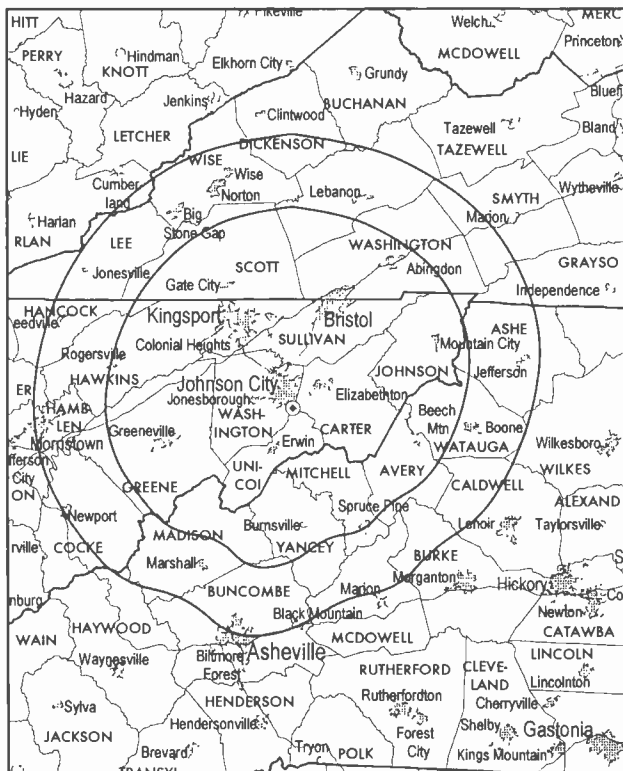
JOHNSON CITY - BRISTOL - KINGSPORT



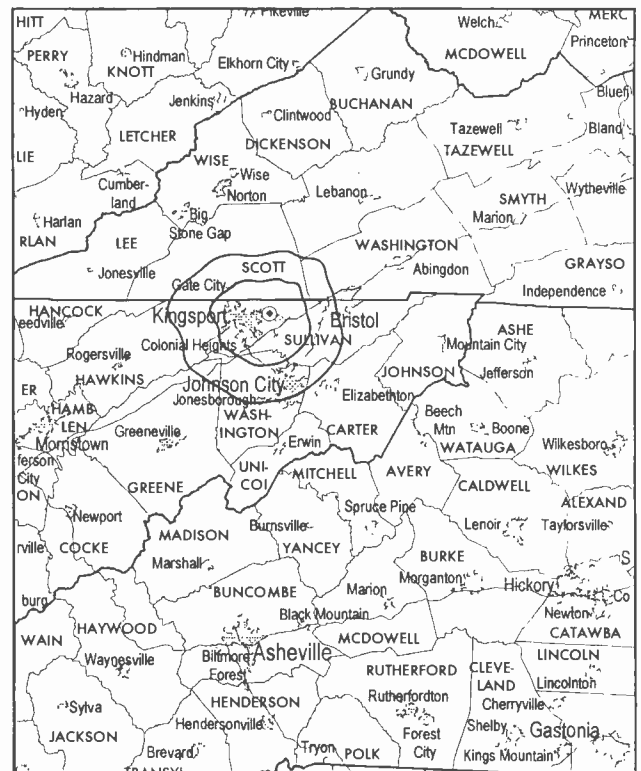
WTFM 98.5 74/2241



WAEZ 99.3 3.8/794



WQUT 101.5 100/1497



WKOS 104.9 2.75/492

KANSAS CITY

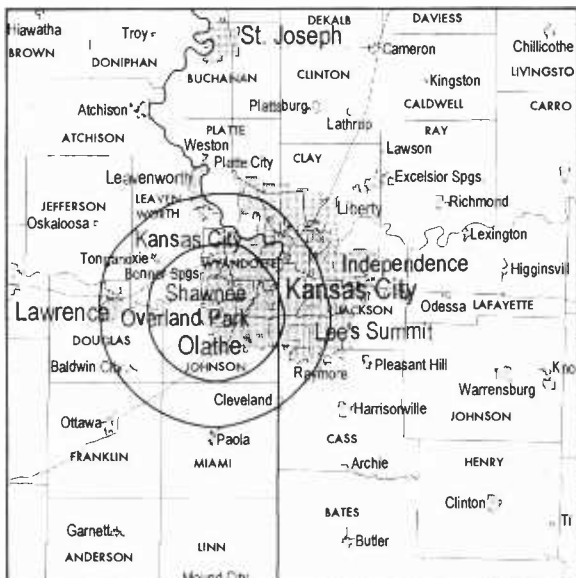
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KCCV Off Lone Elm at 111th St., just SE of KS 7/10 interchange, 3.8 mi. NNW of downtown Olathe City of License: Olathe, KS	L	92.3	C3	8.10	No	564	172	500	38 56 10	94 50 41
KMXV 6621 E. 58th Terrace, 0.6 mi. WNW of I-435/63rd St. interchange, Kansas City, MO City of License: Kansas City, MO	L	93.3	C	100.00	No	1056	325	1090	39 00 57	94 30 24
KFKF On tower with KMXV 93.3 City of License: Kansas City, KS	L	94.1	C	100.00	No	995	303	1090	39 00 57	94 30 24
KCMO On Ch. 5 tower, 125 E. 31st Street, Kansas City, MO City of License: Kansas City, MO	L	94.9	C	100.00	No	1057	322	1044	39 04 14	94 34 59
KXTR On tower with KMXV 93.3 City of License: Kansas City, MO	L	96.5	C	100.00	No	984	300	1090	39 00 57	94 30 24
KUDL 2800 Wallace St., S of 27th St., Kansas City, MO City of License: Kansas City, KS	L	98.1	C	100.00	No	995	303	1020	39 04 24	94 29 06
KQRC On Ch. 5 tower with KCMO 94.9 City of License: Leavenworth, KS	L	98.9	C	100.00	No	1057	322	1044	39 04 14	94 34 59
KLTH Ch. 9 tower, 5701 E. 22nd St., Kansas City, MO City of License: Kansas City, MO	L	99.7	C	100.00	No	1010	308	1085	39 05 01	94 30 57
KCFX On tower with KUDL 98.1 City of License: Harrisonville, MO	L	101.1	C1	97.00	No	994	303	1020	39 04 24	94 29 06
KYYS Ch. 4 tower, Signal Hill, 3030 Summit Ave., Kansas City, MO City of License: Kansas City, MO	L	102.1	C	100.00	No	1000	305	1163	39 04 20	94 35 45
KPRS On tower with KMXV 93.3 City of License: Kansas City, MO	L	103.3	C	100.00	No	995	303	1090	39 00 57	94 30 24
KBEQ On Ch. 19/62 tower, 2100 Stark, opposite Jewish Cemetery, Kansas City, MO City of License: Kansas City, MO	L	104.3	C	100.00	No	987	301	1225	39 04 59	94 28 49
KCIY On tower with KUDL 98.1 City of License: Liberty, MO	L	106.5	C1	100.00	No	981	299	1020	39 00 57	94 30 24
KISF Lafayette Co. Rd. 97, 2 mi. NNE of Odessa, MO, 2 mi. N of I-70, 2.3 mi. E of MO 131 City of License: Lexington, MO	L	107.3	C	100.00	No	1184	361	0	39 02 15	93 55 48

KANSAS CITY

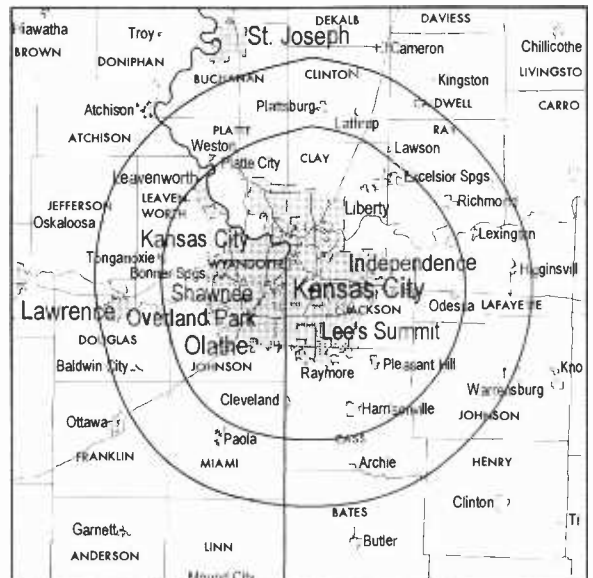
Market overview/update: Three significant facility changes since our last book. KCFX, while remaining a 100-kw C1, has moved from a tower near Harrisonville in suburban Cass County to a slot on the KUDL/KCIY tower in Kansas City's antenna farm area, thus becoming a full-market facility. A frequency change was also involved in that move. KISF Liberty built a 100+ ' tower a few miles east of the city, adding significant metro coverage. KCCV signed on as a Class C3 operation transmitting from the southwest section of the metro.



ARBITRON METRO AREA

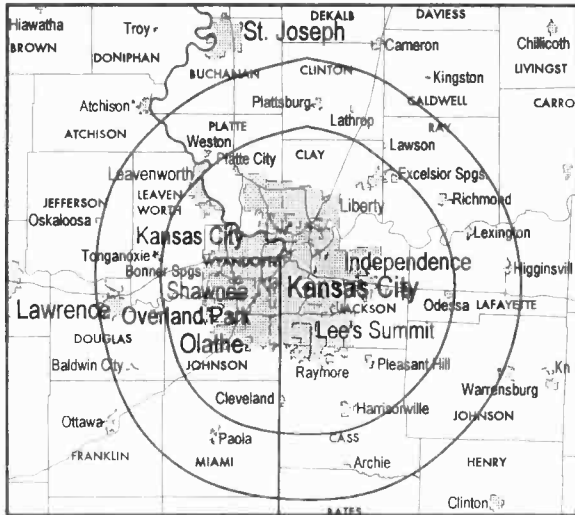


KCCV 92.3 8.1/564

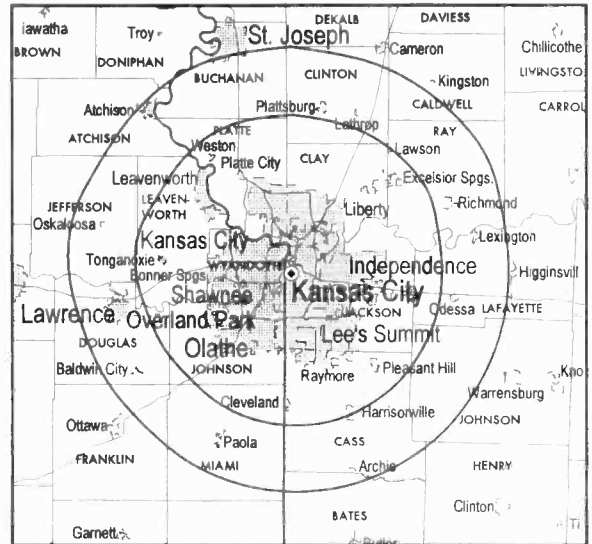


KMXV 93.3 100/1056

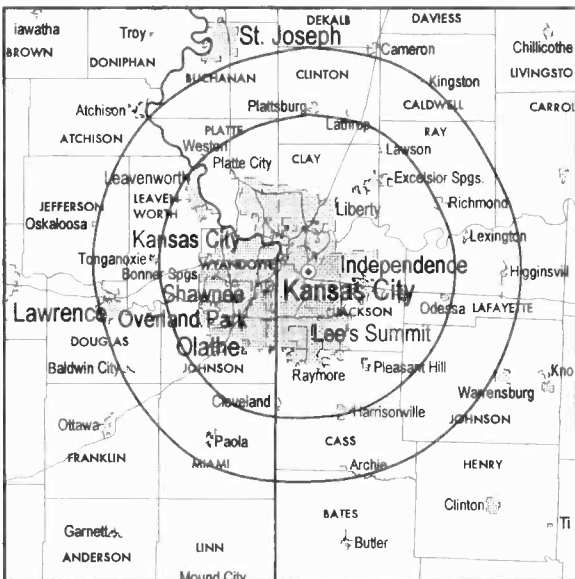
KANSAS CITY



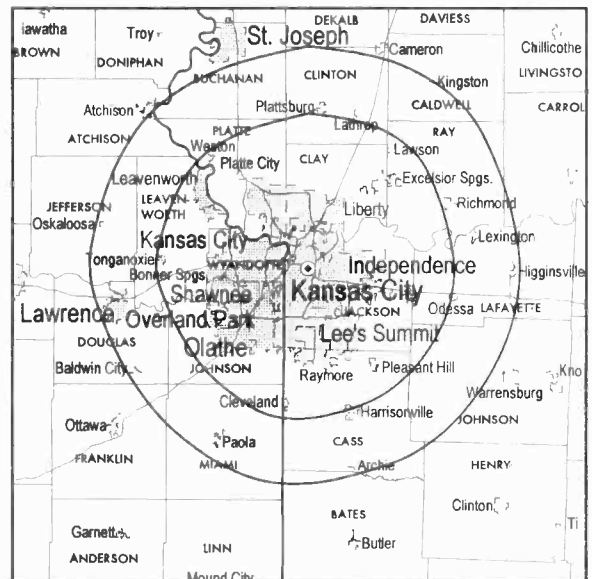
KKF	94.1	100/995
KXTR	96.5	100/984
KPRS	103.3	100/995



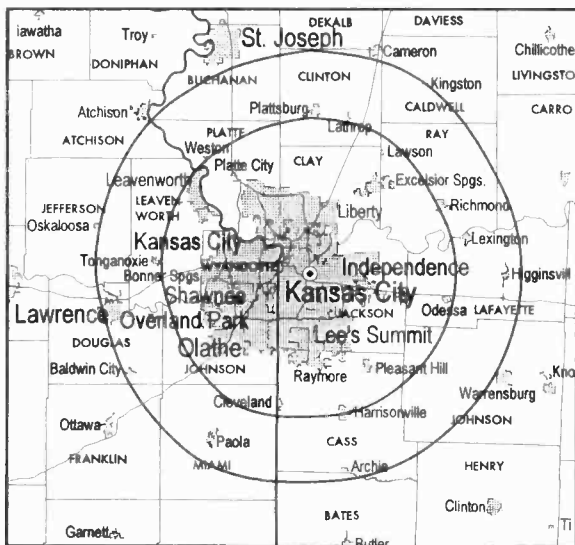
KCMO	94.9	100/1057
KQRC	98.9	100/1057



KUDL	98.1	100/995
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KLTH	99.7	100/1010
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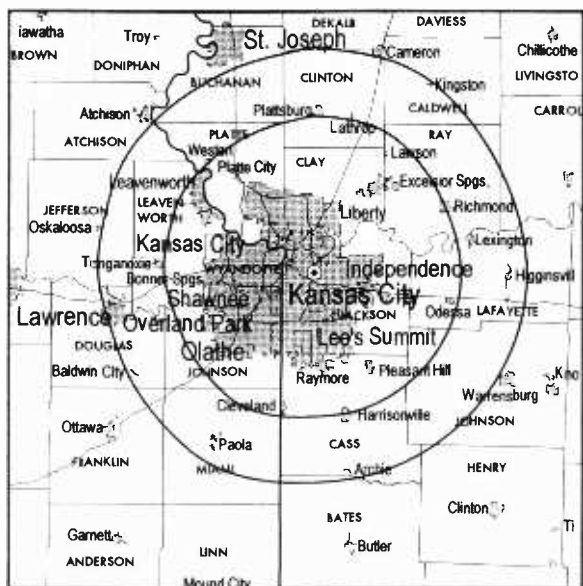


KCFX	101.1	97/994
KCIY	106.5	100/981

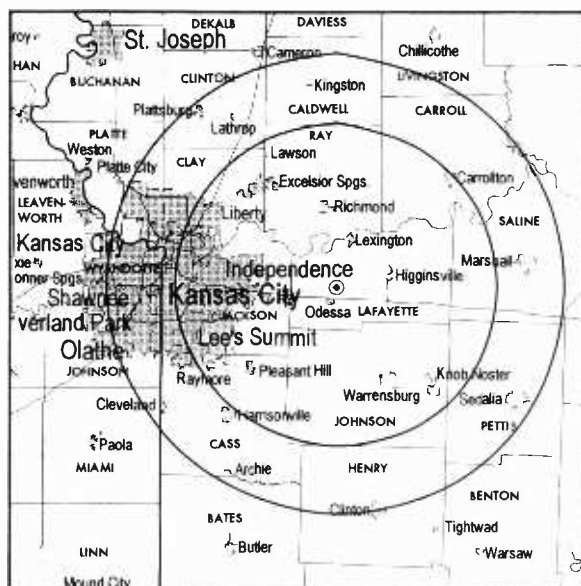


KYYS	102.1	100/1000
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KANSAS CITY



KBEQ 104.3 100/987



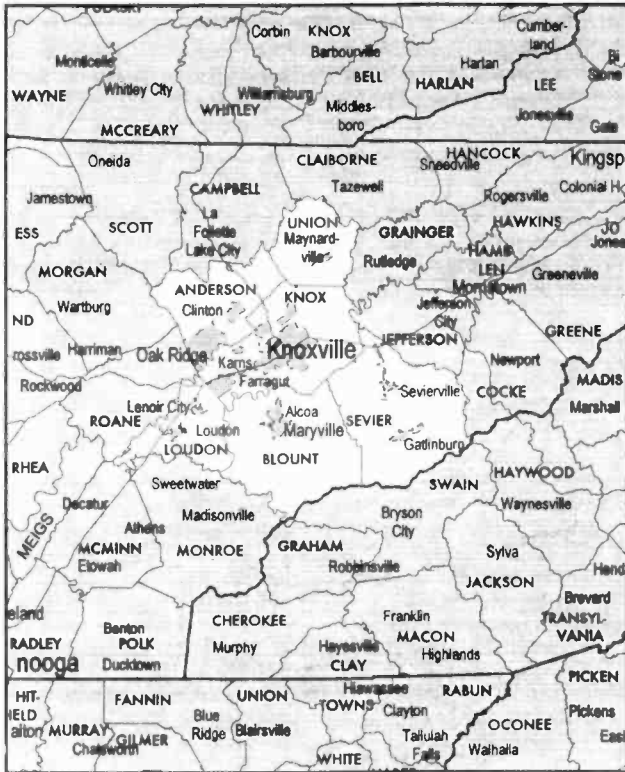
KISF 107.3 100/1184

KNOXVILLE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WWST 6307 Vance Rd., off Jackson Rd., on a ridge S of Oak Ridge Hwy., NW Knoxville City of License: Karns, TN	L	93.1	A	2.40	No	512	156	279	35 57 46	84 01 23
WNFZ On Beaver Ridge, Pellissippi Pkwy. N. of Carmichael Rd., SE of Oak Ridge City of License: Oak Ridge, TN	L	94.3	A	2.50	No	515	157	151	35 56 28	84 09 28
WYFC Ventis Lane, Copper Ridge, 0.55 mi. W of I-75, just N of Powell, TN City of License: Clinton, TN	L	95.3	A	0.54	No	670	204	396	36 04 21	84 01 18
WJBZ Atop Bays Mtn., 0.3 mi. W of Ray Gap, Sevier County City of License: Seymour, TN	L	96.3	A	2.90	No	479	146	200	35 56 17	83 42 11
WJXB Atop Ch. 8 tower, Sharp's Ridge, Knoxville City of License: Knoxville, TN	L	97.5	C	100.00	No	1298	395	1088	36 00 36	83 55 57
WOKI Cross Mtn., near Briceville, Campbell County, TN City of License: Oak Ridge, TN	L	100.3	C	100.00	No	2000	610	155	36 11 53	84 13 51
WMYU Greentop Peak, Chilhowee Mtns., 7 mi. SW of Sevierville City of License: Sevierville, TN	L	102.1	C1	15.10	No	1979	603	200	35 48 41	83 40 08
WIMZ Former Ch. 10 tower, 2 mi. SW of Blaine, near Knox/Jefferson County line City of License: Knoxville, TN	L	103.5	C	100.00	No	1722	525	1720	36 08 06	83 43 29
WQBB Ch. 8 tower, Sharp's Ridge City of License: Knoxville, TN	L	104.5	A	2.80	No	486	148	1088	36 00 36	83 55 57
WXST Myer St., Harrison Hills, just W of US 321, 1.2 mi. NW of downtown Lenoir City, TN City of License: Loudon, TN	L	105.3	A	6.00	No	328	100	174	35 48 40	84 16 02
WIVK Greentop Peak, Chilhowee Mtns., adjacent to WMYU 102.1 City of License: Knoxville, TN	L	107.7	C	91.00	No	2054	626	342	35 48 41	83 40 10

Market overview/update: Only four big-signal Class Cs and a solid-signal C1 continue as the signal "core" of this market. Five new Class A signals have become factors (to varying degrees) in Knoxville since our last edition. WQBB and WWST are the most centrally-located, while WJBZ, WNFZ and WXST beam in from hills in surrounding suburban areas. Knoxville's growth has been more to the west than to the east, giving a bit of a "leg up" to the As situated in that direction. WQBB enjoys the best location of the As, operating from the Ch. 8 tower on Sharp's Ridge in the middle of the city.

KNOXVILLE



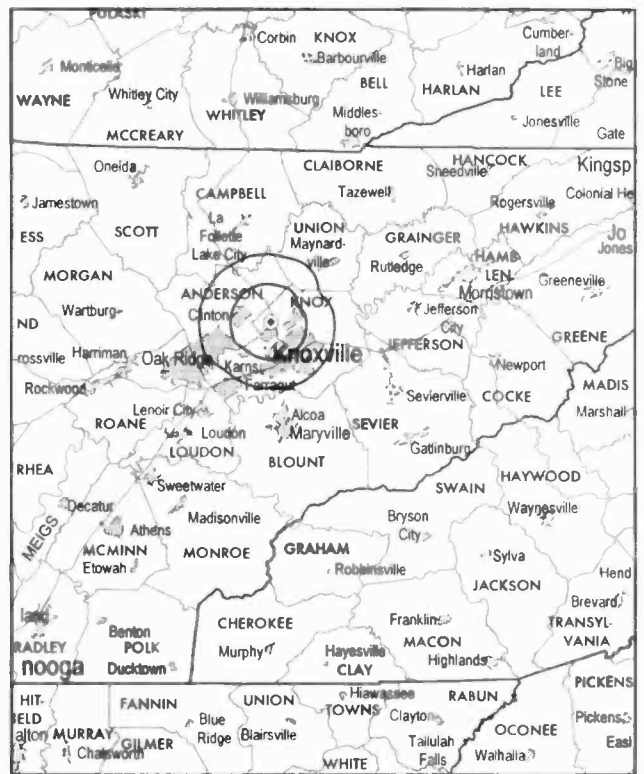
ARBITRON METRO AREA



WWST 93.1 2.4/512



WNFZ 94.3 2.5/515



WFYC 95.3 540w/670

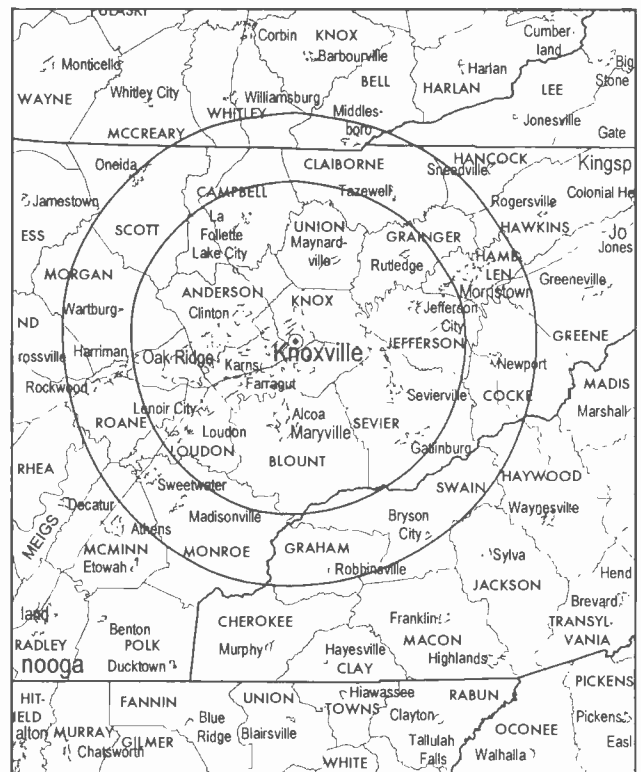
KNOXVILLE



WJBZ

96.3

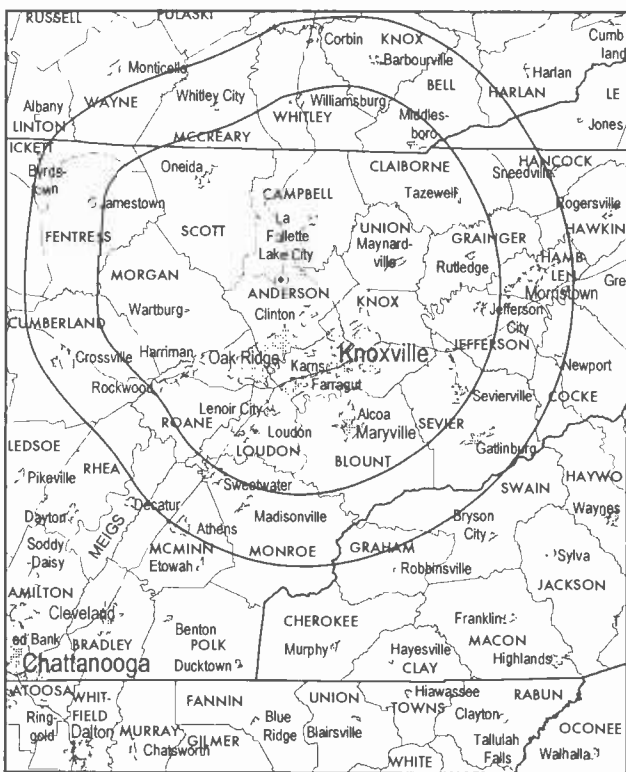
2.9/479



WJXB

97.5

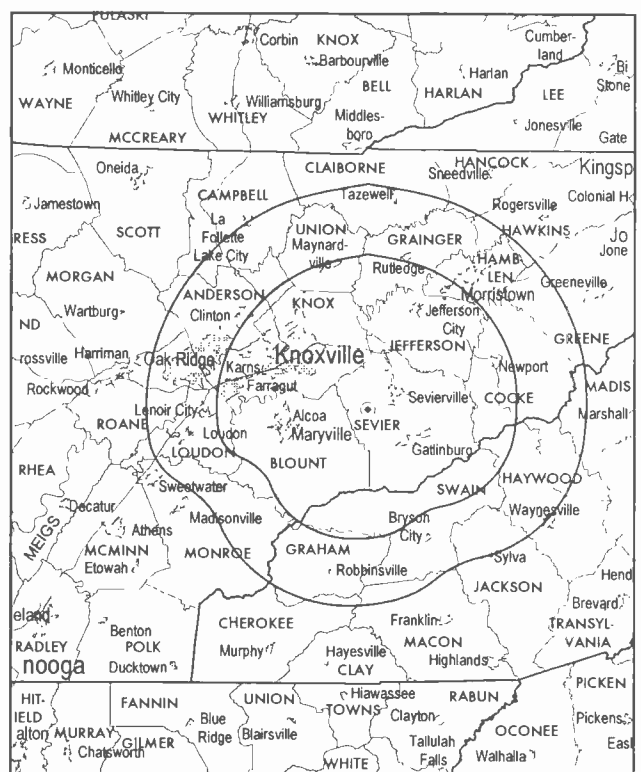
100/1298



WOKI

100.3

100/2000

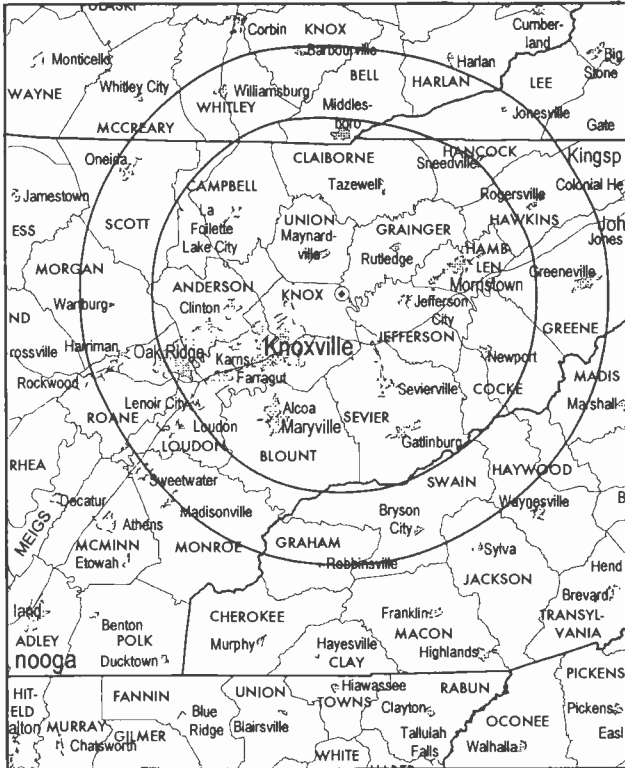


WMYU

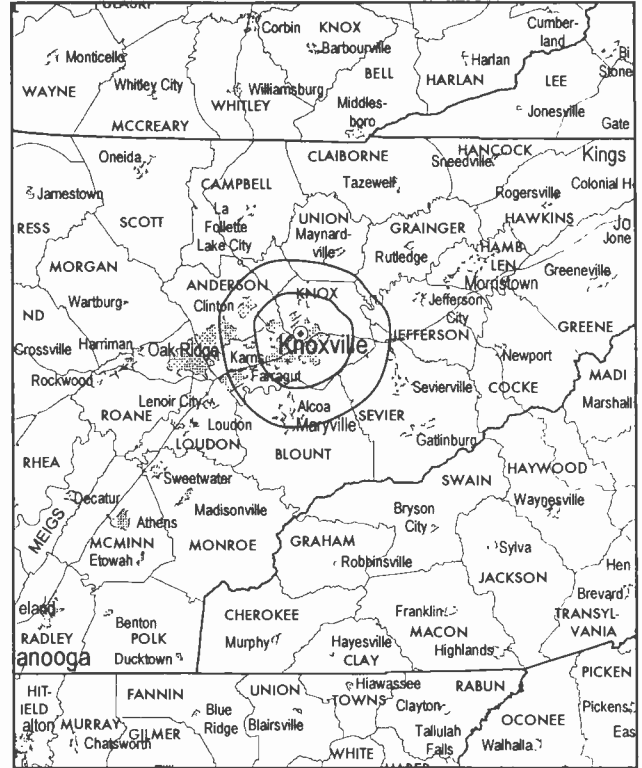
102.1

15.1/1979

KNOXVILLE



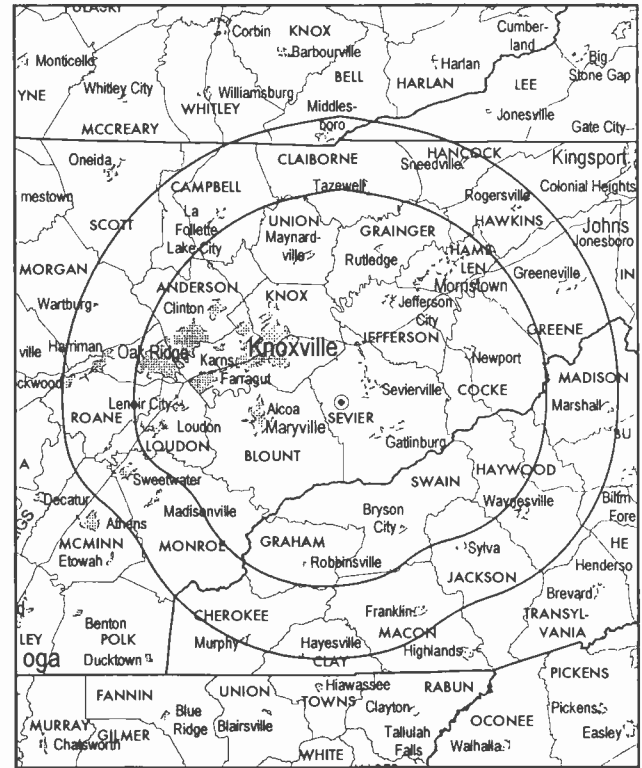
WMZ 103.5 100/1722



WQBB 104.5 2.8/486



WXST 105.3 6/328



WVJK 107.7 91/2054

LAFAYETTE, LA

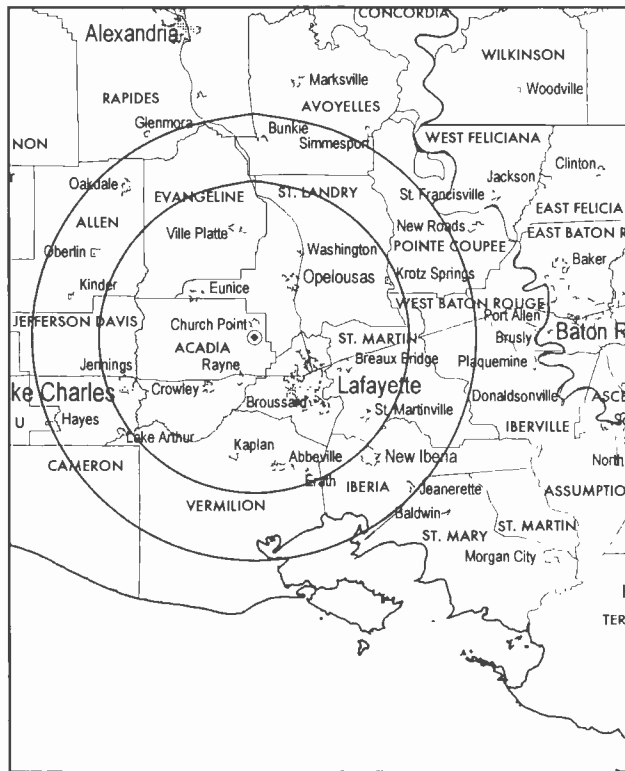
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KSMB Ch. 15 tower, 3 mi. S of Church Point, 10 mi. NW of Lafayette City of License: Lafayette, LA	L	94.5	C	100.00	No	1077	329	1178	30 21 44	92 12 53
KFTE On tower with KMDL 97.3, 316 Iberia St., Youngsville City of License: Breaux Bridge, LA	L	96.5	C3	22.50	No	328	100	541	30 06 09	91 59 30
KMDL On tower with KFTE 96.5 City of License: Kaplan, LA	L	97.3	C2	48.00	No	502	153	541	30 06 09	91 59 30
KXKC Diplexed with KTDY 99.9, Section 28 Rd., Parks, St. Martin Parish, LA City of License: New Iberia, LA	L	99.1	C	100.00	No	984	300	1042	30 12 04	91 46 33
KTDY Diplexed with KXKC 99.1 City of License: Lafayette, LA	L	99.9	C	100.00	No	984	300	1042	30 12 04	91 46 33
KSIG 322 Coast Rd., Rayne, LA City of License: Basile, LA	L	102.1	C2	50.00	No	492	150	528	30 19 59	92 21 29
KAJN Ch. 3 tower, 5.8 mi. NW of Kaplan, 25 mi. SW of Lafayette City of License: Crowley, LA	L	102.9	C	100.00	No	1500	457	1793	30 02 19	92 22 15
KNEK 1 mi. SW of junction of LA 178 and LA 182, 14 mi. NNW of Lafayette City of License: Washington, LA	L	104.7	C3	25.00	No	328	100	354	30 25 17	92 06 50
KROF Highway 167, 2 mi. N of Abbeville City of License: Abbeville, LA	L	105.1	C3	25.00	No	292	89	305	30 00 40	92 07 21
KVOL I-49 at Flagg Station Rd., 1.5 mi. S of Opelousas City of License: Opelousas, LA	L	105.9	A	3.40	No	433	132	453	30 27 53	92 04 31
KFXZ 0.5 mi. S of Leroy, Vermillion Parish City of License: Maurice, LA	L	106.3	A	2.60	No	495	151	500	30 04 16	92 11 53
KPEL 3 mi. S of Youngsville, LA City of License: Erath, LA	L	107.7	C3	10.00	Yes	469	143	584	30 02 54	91 59 49

Market overview/update: A newcomer to the top 100 since our last edition. Signals in several power classes are fairly widely disbursed. The common thread of the market is really the loosely-defined region unofficially called "Acadiana," or perhaps more frequently, "Cajun Country." Lafayette is the "capital," but there are several other fairly significant population centers. No surprise, the most dominant stations are the big, centrally-positioned Class C operations, and the better-situated stations in the intermediate power classes.

LAFAYETTE, LA



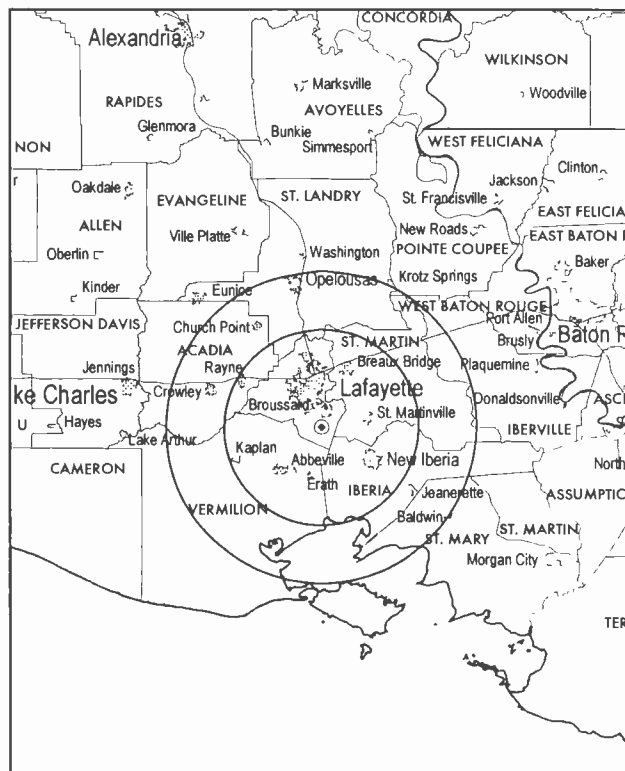
ARBITRON METRO AREA



KSMB 94.5 100/1077

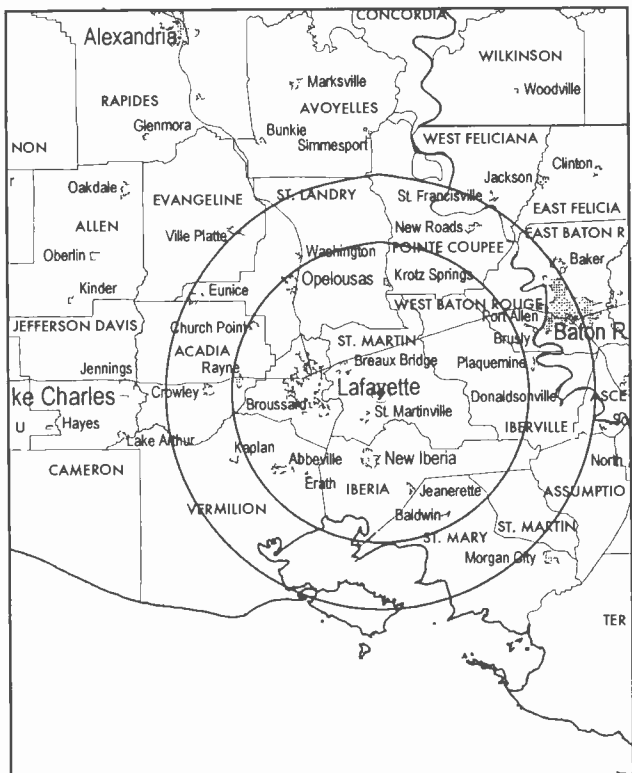


KFTE 96.5 22.5/328

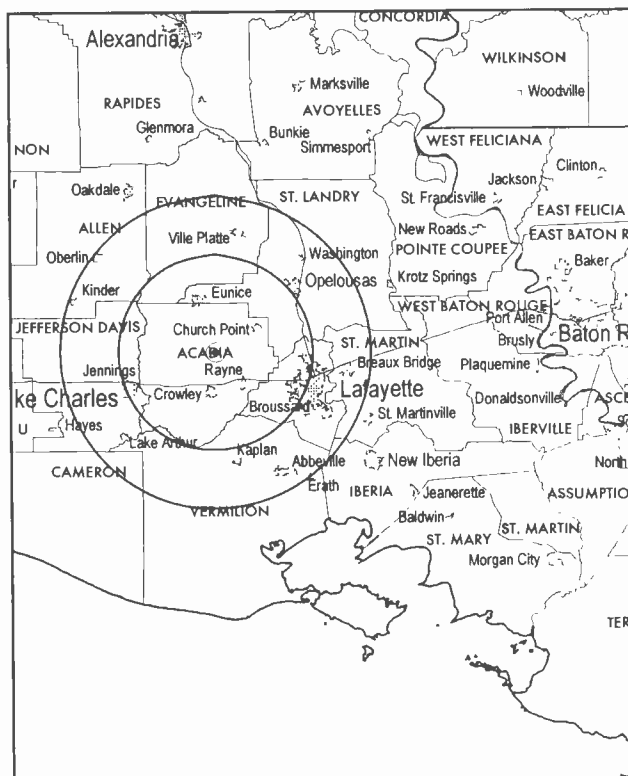


KMDL 97.3 48/502

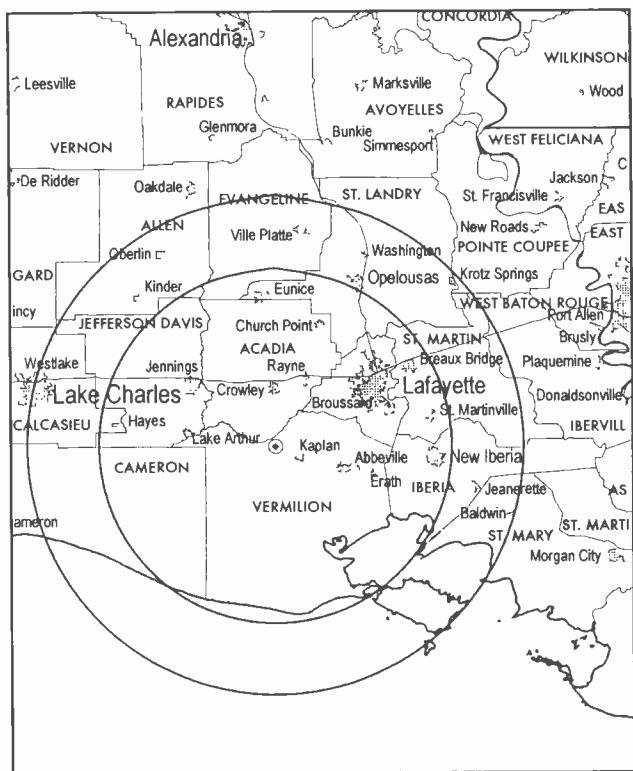
LAFAYETTE, LA



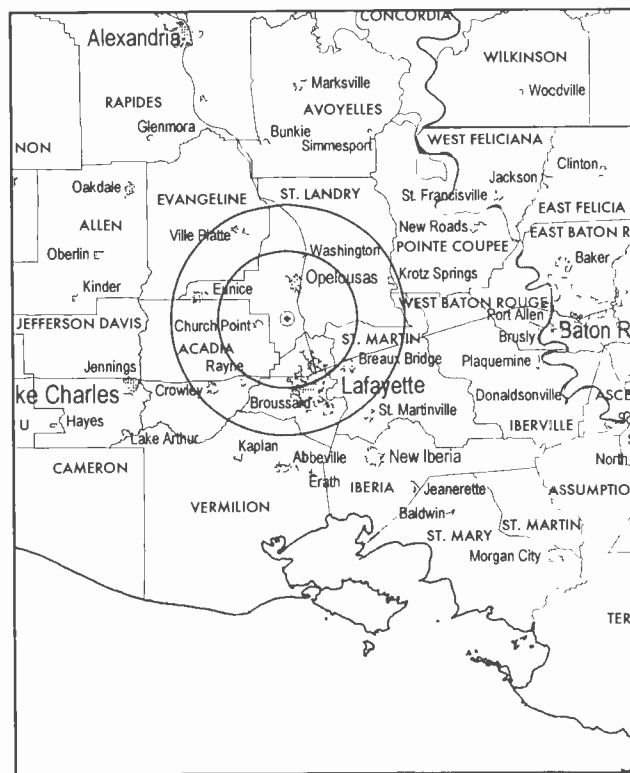
KXKC 99.1 100/984
 KTDY 99.9 100/984



KSIG 102.1 50/492



KAJN 102.9 100/1500

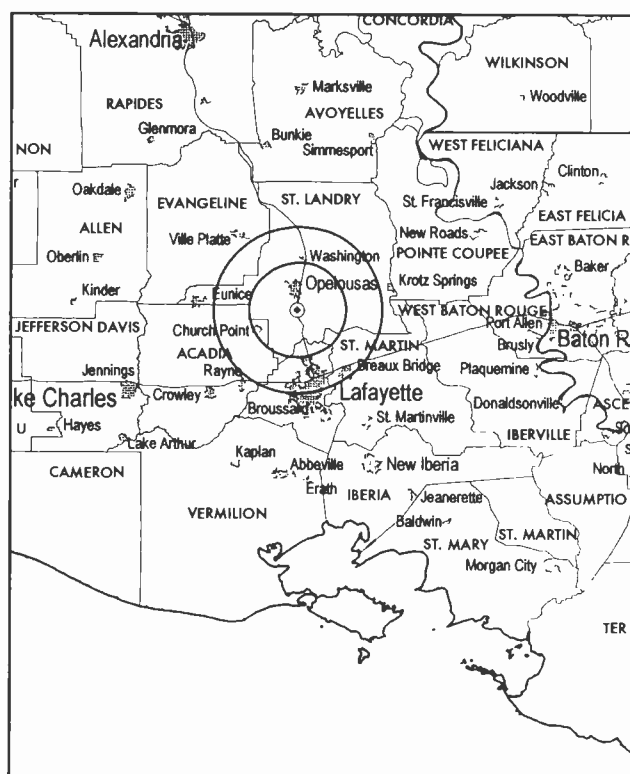


KNEK 104.7 25/328

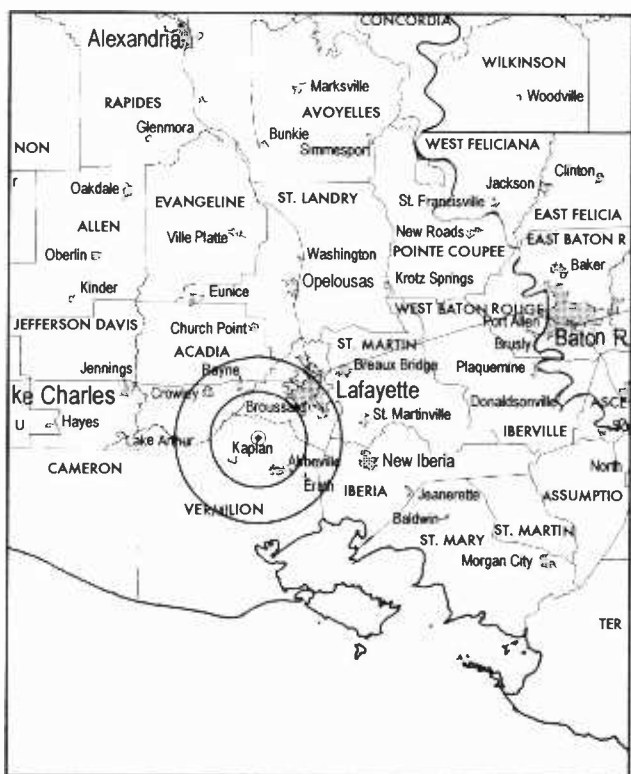
LAFAYETTE, LA



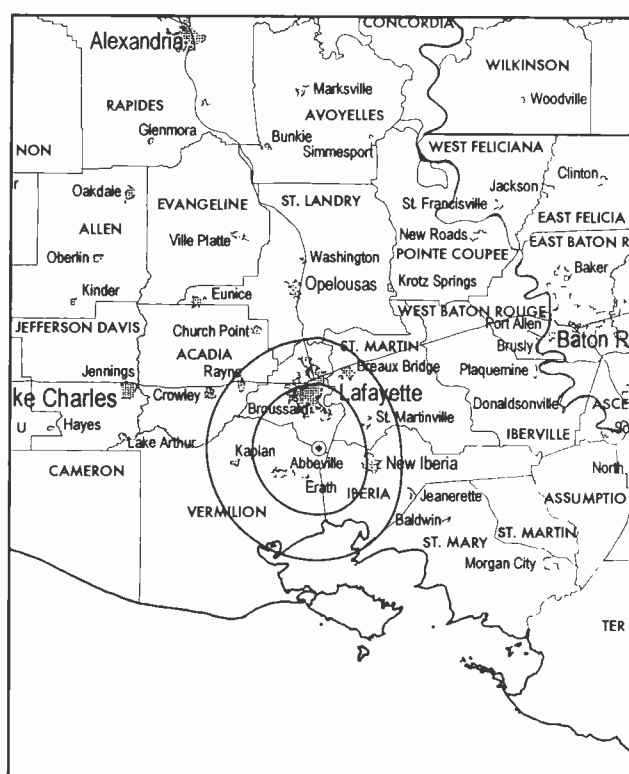
KROF 105.1 25/292



KVOL 105.9 3.4/433



KFXZ 106.3 2.6/495



KPFL 107.7 10/469

LAS VEGAS

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KOMP Slope of Black Mtn., near Chs. 8 & 13, 9 mi. SW of downtown Henderson City of License: Las Vegas, NV	L	92.3	C	100.00	No	1520	463	150	35 56 50	115 03 01
KOMP CP Mt. Potosi City of License: Las Vegas, NV	C	92.3	C	23.00	No	3845	1172		35 58 02	115 30 06
KBGO Potosi Mtn., 24 mi. SW of Las Vegas (El. 8350') City of License: Las Vegas, NV	L	93.1	C	24.00	No	3743	1141	194	35 58 02	115 30 06
KJMZ NE end of Black Mtn., in Las Vegas antenna farm, 2.5 mi. SW of downtown Henderson City of License: Henderson, NV	L	94.1	C	100.00	No	1210	369	220	36 00 26	115 00 24
KWNR Las Vegas antenna farm, NE end of Black Mtn. City of License: Henderson, NV	L	95.5	C	100.00	No	1160	354	240	36 00 31	115 00 22
KKLZ Las Vegas antenna farm, NE end of Black Mtn. City of License: Las Vegas, NV	L	96.3	C	100.00	No	1176	358	240	36 00 29	115 00 20
KXPT Near crest of Black Mtn., adjacent to Chs. 8 & 13, 9 mi. SW of Henderson City of License: Las Vegas, NV	L	97.1	C	100.00	No	1919	585	183	35 56 44	115 02 31
KLUC On tower with KKLZ 96.3, Las Vegas antenna farm, NE end of Black Mtn. City of License: Las Vegas, NV	L	98.5	C	100.00	No	1180	360	240	36 00 29	115 00 20
KMZQ On tower with KFMS 101.9 and KEDG 103.5, Las Vegas antenna farm, NE end of Black Mtn. City of License: Henderson, NV	L	100.5	C	100.00	No	1104	337	220	36 00 28	115 00 20
KFMS On tower with KMZQ 100.5 and KEDG 103.5, Las Vegas antenna farm, NE end of Black Mtn. City of License: Las Vegas, NV	L	101.9	C	100.00	No	1180	360	220	36 00 28	115 00 20
KEDG On tower with KMZQ 100.5 and KFMS 101.9, Las Vegas antenna farm, NE end of Black Mtn. City of License: Las Vegas, NV	L	103.5	C	100.00	No	1158	353	220	36 00 28	115 00 20
KJUL Potosi Mtn. City of License: North Las Vegas, NV	L	104.3	C	24.50	No	3727	1136	59	35 58 02	115 30 06
KRBO 2.8 mi. WNW of US95/NV 157 (Mt. Charleston Rd.) intersection City of License: Las Vegas, NV	L	105.1	C2	50.00	No	36	11	351	38 08 16	115 56 05
KQOL Red Mtn., 6.5 mi. ESE of downtown Henderson, 2 mi. NW of Boulder City City of License: Boulder City, NV	L	105.5	C2	3.70	Yes	1588	484	49	35 59 45	114 51 15

LAS VEGAS

KSNE L 106.5 C 100.00 No 1155 352 253 36 00 30 115 00 20

On Ch. 3 tower, Las Vegas antenna farm, NE end of Black Mtn.

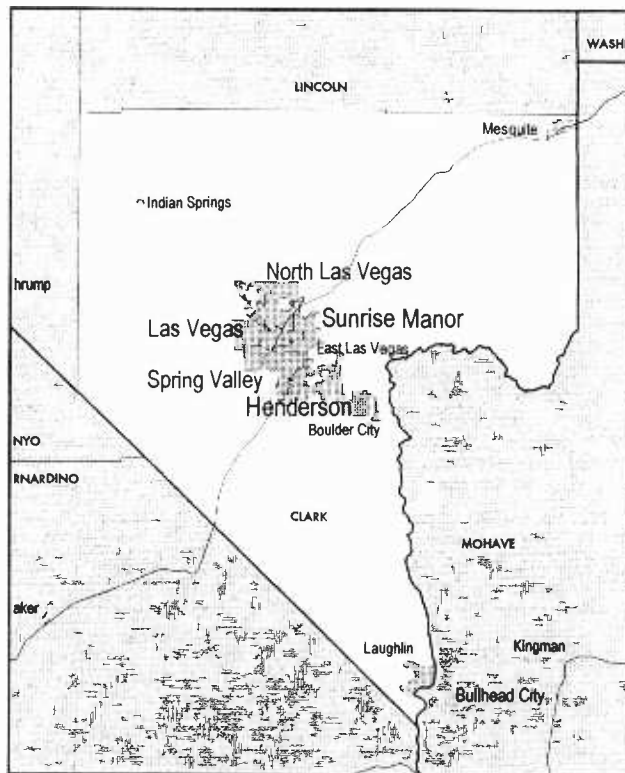
City of License: Las Vegas, NV

KFBI L 107.5 C 25.00 No 3678 1121 49 35 57 57 115 30 03

Potosi Mtn.

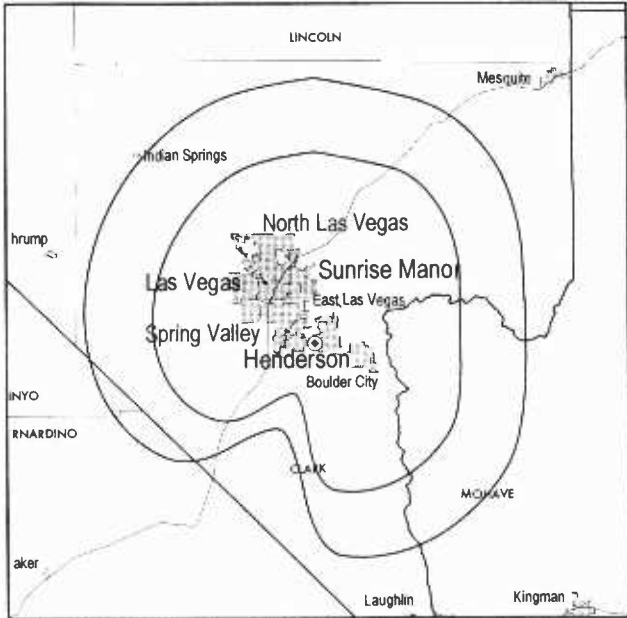
City of License: Pahrump, NV

Market overview/update: The station count here has increased by only one since '89. KRBO signed on as 50-kw C2 from a tower on a ridge above Mt. Charleston Road well to the northwest of the city. The distant site was necessary to avoid a short-spacing with Las Vegas' only other less-than-full-C facility, KQOL (formerly KRRI). KRBO is a second-adjacent to KQOL. The bulk of the rest of Las Vegas' FM's are situated on either Black Mountain or Potosi Mountain. In our opinion, Black Mountain above Henderson is the best overall transmitter site here because it is line-of-sight to 97%+ of the local population and stations can operate at the full 100-kw power level. Potosi's great height, and location to the southwest, yields greater overall coverage, including a long stretch of I-15, the Los Angeles-to-Las Vegas route. Potosi's downsides: shadowing in parts of fast-growing Henderson and the far northwestern side of the city, and an RF limit at 25-kw. Black Mountain's downside: little coverage on I-15. Cars on I-15 don't get Arbitron diaries, but on the other hand, many hotel/casino advertisers like the "bonus" coverage. Two stations at a higher point on Black Mountain, KOMP and KXPT have more coverage than stations in the main Black Mountain antenna farm, but as a swap-off, experience some shadowing in Henderson. KOMP holds a CP to move to Potosi. Note: KMZQ and KSNE are also in the Black Mountain antenna farm, with power/antenna configurations similar to other stations at that site. Their coverage plots vary somewhat from the other stations, so we included separate maps. Power toward populated areas differs very little, if any, from other Black Mountain stations.



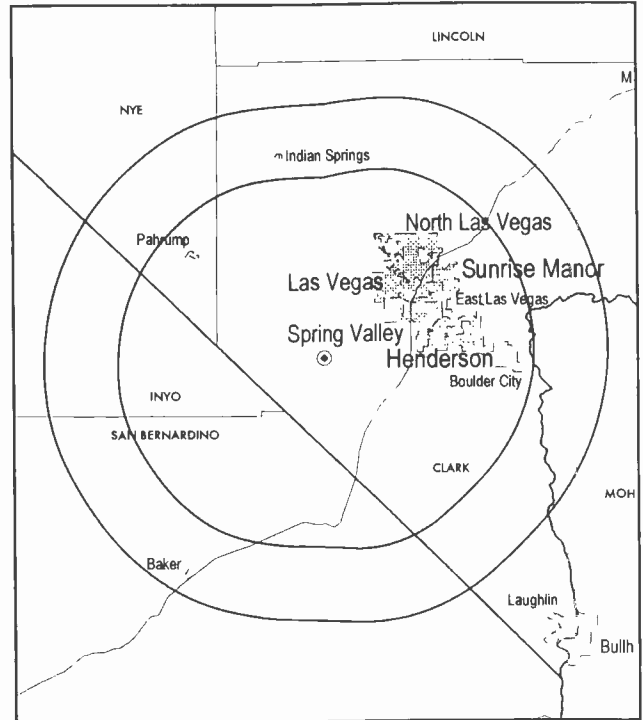
ARBITRON METRO AREA

LAS VEGAS



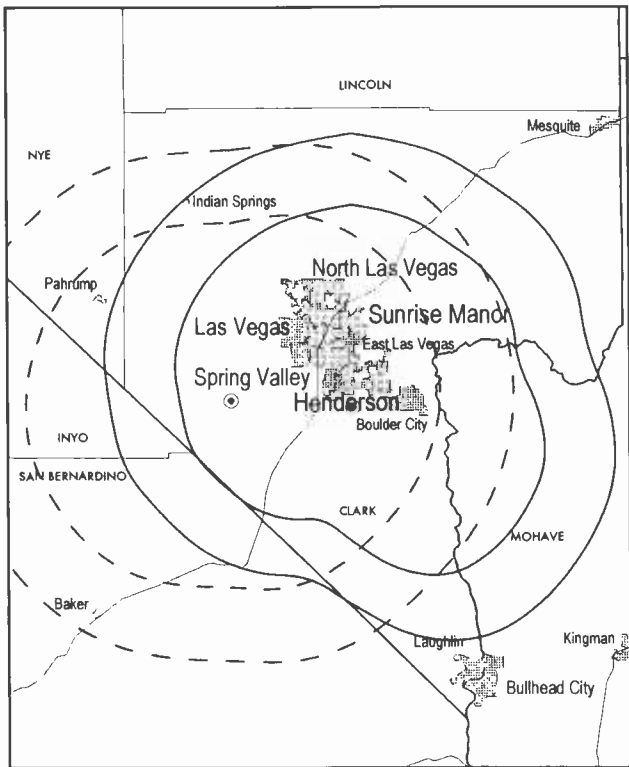
BLACK MOUNTAIN ANTENNA FARM

KJMZ	94.1	100/1210
KWNR	95.5	100/1160
KKLZ	96.3	100/1176
KLUC	98.5	100/1180
KFMS	101.9	100/1180
KEDG	103.5	100/1158

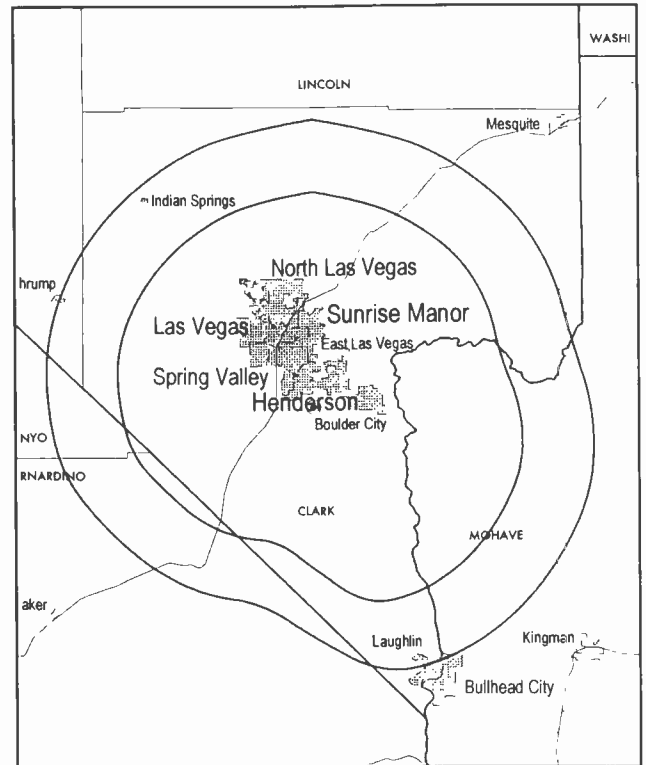


POTOSI MOUNTAIN STATIONS

KBGO	93.1	24/3743
KJUL	104.3	24.5/3727
KFBI	107.5	25/3678

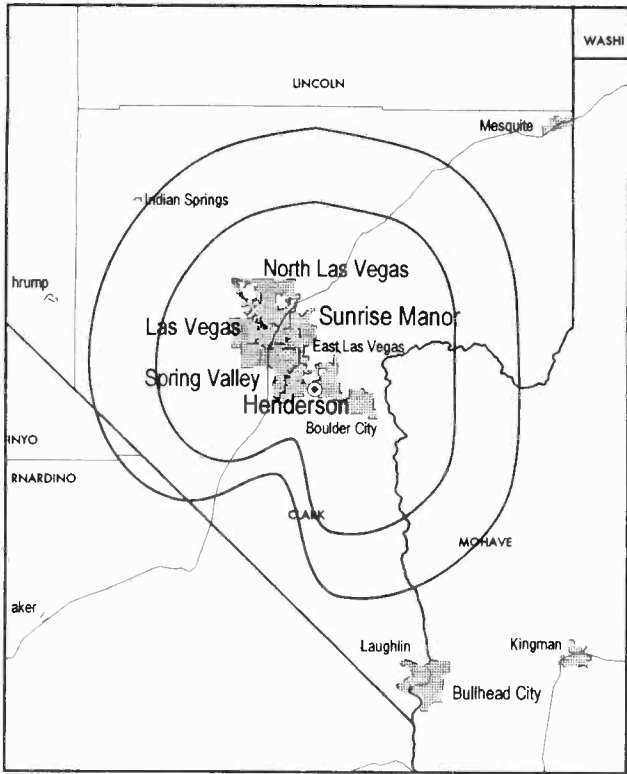


KOMP	92.3	100/1520
KOMP CP	92.3	23/3845

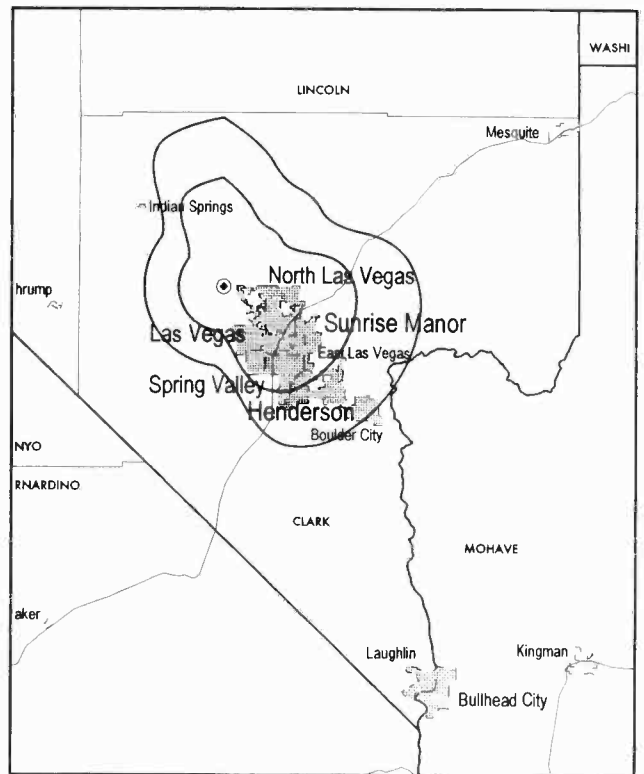


KXPT	97.1	100/1919
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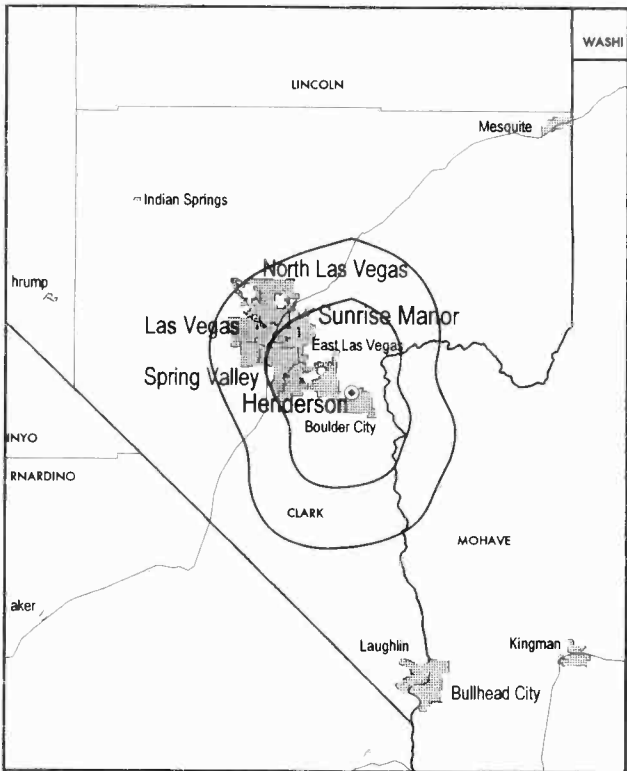
LAS VEGAS



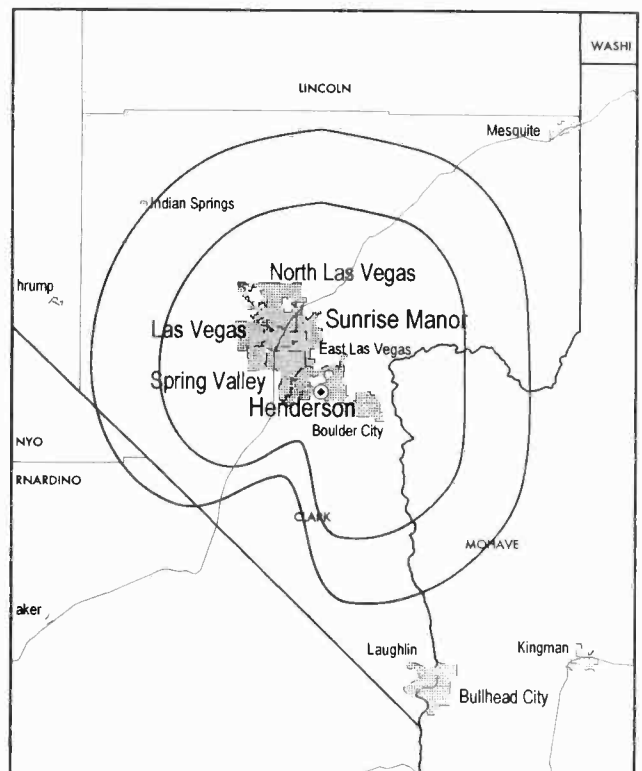
KMZQ 100.5 100/1104



KRBO 105.1 50/36



KQOL 105.5 3.7/1588



KSNE 106.5 100/1155

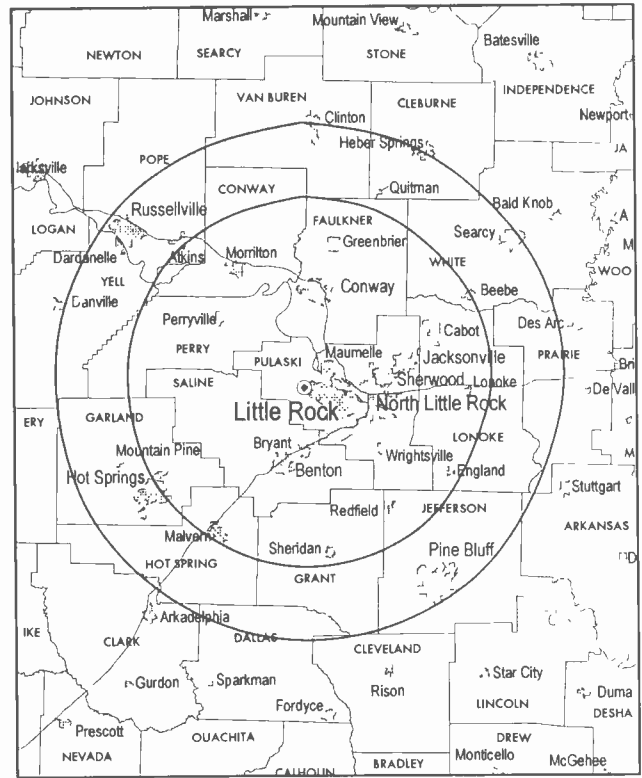
LITTLE ROCK

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KIPR Off AR 365, 0.5 mi. W of US 65, 5.1 mi. SSE of Redfield, AR City of License: Pine Bluff, AR	L	92.3	C1	100.00	No	938	286	922	34 22 12	92 10 07
KKPT Shinall Mtn. antenna farm, 12 mi. W of downtown Little Rock (El. 1050') City of License: Little Rock, AR	L	94.1	C	100.00	No	1602	488	1010	34 47 56	92 29 44
KOLL Ch. 38 tower, 2 mi. W of Redfield, AR City of License: Maumelle, AR	L	94.9	C	100.00	No	1844	562	1909	34 26 31	92 13 03
KSSN Ch. 16 tower, Shinall Mtn. City of License: Little Rock, AR	L	95.7	C	100.00	No	1664	507	1265	34 47 57	92 29 29
KURB On tower with KKPT 94.1 City of License: Little Rock, AR	L	98.5	C	100.00	No	1285	392	1010	34 47 56	92 29 44
KYFX KJBN-AM 1050 tower, 2700 River Rd., North Little Rock City of License: Little Rock, AR	L	99.5	A	3.00	No	312	95	417	34 45 58	92 17 38
KDDK Ch. 16 tower, with KSSN 95.7, Shinall Mtn. City of License: Jacksonville, AR	L	100.3	C1	44.20	No	1369	417	1265	34 47 57	92 29 29
KDDK CP On tower with KMJX 105.1, Shinall Mtn. antenna farm City of License: Jacksonville, AR	C	100.3	C1	85.00	No	1054	321	495	34 47 53	92 29 33
KDRE Trapp Rd., edge of Purdham Hill, 0.7 mi. N of AR 365, 1 mi. NE of I-40/I-430 interchange, N. Little Rock City of License: North Little Rock, AR	L	101.1	A	6.00	No	328	100	112	34 49 52	92 19 18
KARN AR 13. 0.75 mi. N of its junction with US 165, Humnoke City of License: Humnoke, AR	L	101.7	A	6.00	No	328	100	338	34 32 58	91 45 26
KLPQ Atop Prospect Bldg., 1501 N. University Avenue, Little Rock City of License: Sherwood, AR	L	102.1	A	4.10	No	387	118	161	34 45 59	92 20 21
KVLO On AR 46, 1.9 mi. E of its junction with AR 190, 4 mi. SW of Sheridan, AR City of License: Sheridan, AR	L	102.9	C2	50.00	No	492	150	437	34 32 06	92 24 33
KSYG Ch. 4 tower, Shinall Mtn. City of License: Little Rock, AR	L	103.7	C	100.00	No	1510	460	1175	34 47 55	92 29 58
KMJX Shinall Mtn. antenna farm City of License: Conway, AR	L	105.1	C1	81.00	No	1054	321	495	34 47 53	92 29 33

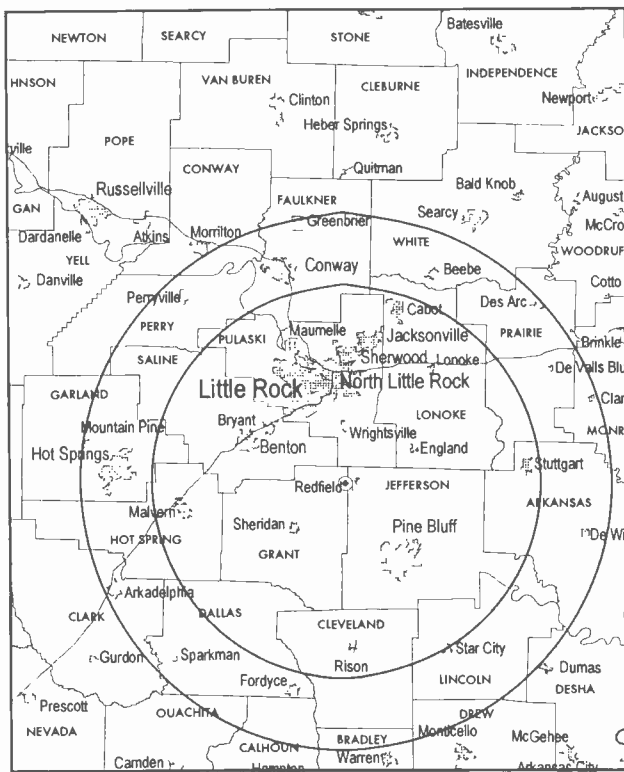
LITTLE ROCK



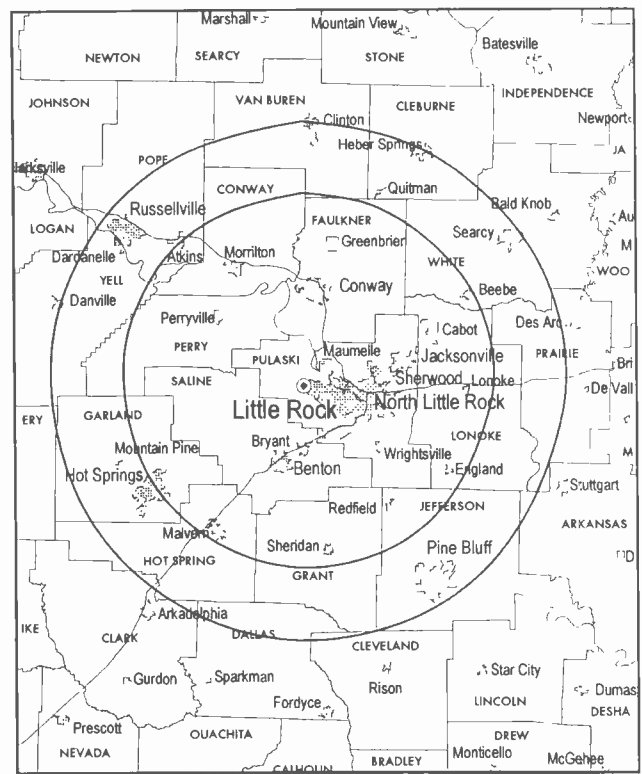
KIPR 92.3 100/938



KKPT 94.1 100/1602



KOLL 94.9 100/1844



KSSN 95.7 100/1664

LITTLE ROCK



KURB 98.5 100/1285



KYFX 99.5 3/312



KDDK 100.3 44.2/1369
KDDK CP 100.3 85/1054



KDRE 101.1 6/328

LITTLE ROCK



KARN 101.7 6/328



KLPQ 102.1 4.1/387



KVLO 102.9 50/492



KSYG 103.7 100/1510

LITTLE ROCK



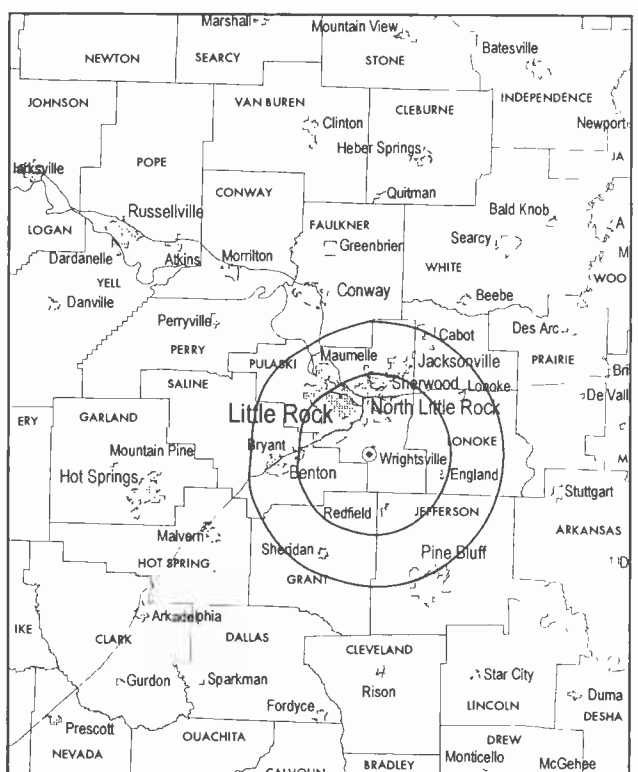
KMJX 105.1 81/1054



KMZX 106.3 2.5/353
KMZX CP 106.3 50/492



KMVK 106.7 16/866



KYTN 107.7 50/312

LOS ANGELES

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KKBT Mt. Wilson antenna farm, San Gabriel Mtns., NE of Pasadena (El. 5710') City of License: Los Angeles, CA	L	92.3	B+	43.00	No	2910	887	220	34 13 36	118 03 57
KCBS Ch. 2 tower, Mt. Wilson City of License: Los Angeles, CA	L	93.1	B+	28.50	No	3498	1066	971	34 13 57	118 04 18
KFOX Calle de Arboles at Paseo del Pablo, Palos Verdes Hills, Torrance City of License: Redondo Beach, CA	L	93.5	A	3.00	No	175	53	68	33 48 16	118 22 02
KZLA Ch. 2 tower, with KCBS 93.1, Mt. Wilson City of License: Los Angeles, CA	L	93.9	B+	18.50	Yes	3136	456	971	34 13 57	118 04 18
KIKF Atop One City Blvd., West Orange City of License: Garden Grove, CA Note: Simulcast on KYKF 94.3 San Fernando	L	94.3	A	3.00	No	249	75	347	33 46 52	117 53 34
KYKF Adjacent to Van Norman Lakes, 0.2 mi. W of the San Diego Frwy. (I-405); 0.4 mi. N of Rinaldi St. City of License: San Fernando, CA Note: Simulcasts KIKF 94.3 Garden Grove	L	94.3	A	3.00	No	85	26	253	34 17 03	118 28 17
KTWV Ch. 11 tower, Mt. Wilson City of License: Los Angeles, CA	L	94.7	B+	58.00	No	2831	863	237	34 13 29	118 03 47
KLOS Ch. 7 tower, Mt. Wilson City of License: Los Angeles, CA	L	95.5	B+	63.00	No	3130	954	470	34 13 37	118 03 58
KEZY Peralta Hills, E of Anaheim City of License: Anaheim, CA	L	95.9	A	2.40	No	328	100	114	33 49 53	117 48 33
KFSG Center tower, KIIS-AM 1150 array, 1050 Montecito Drive, Los Angeles City of License: Los Angeles, CA	L	96.3	B+	54.00	No	480	146	222	34 05 05	118 12 10
KWIZ Baver Hill, E of Orange City of License: Santa Ana, CA	L	96.7	A	3.00	Yes	207	63	150	33 48 08	117 47 43
KLSX On Ch. 46 tower with KXEZ 100.3, Mt. Wilson City of License: Los Angeles, CA	L	97.1	B+	21.00	Yes	3002	915	314	34 13 37	118 03 58
KLAX North tower, KTYM-AM 1460 array, NE of La Cienega and Stocker, Baldwin Hills, Los Angeles City of License: Long Beach, CA	L	97.9	B	50.00	Yes	390	119	187	33 00 24	118 21 52

LOS ANGELES

KMQA	L	98.3	A	0.65	No	971	296	98	34 09 15	117 48 00
Just below Johnstone Peak, Angeles Nat'l. Forest, N of San Dimas (El. 2800')										
City of License: West Covina, CA										
KYSR	L	98.7	B+	75.00	No	1180	360	309	37 07 08	118 23 30
2555 Briarcrest Dr., above Mullholland Dr., Santa Monica Mtns., Los Angeles										
City of License: Los Angeles, CA										
KKLA	L	99.5	B	10.50	No	2881	878	121	34 13 26	118 03 44
Mt. Wilson antenna farm										
City of License: Los Angeles, CA										
KIBB	L	100.3	B+	5.30	No	3004	916	323	34 13 37	118 03 58
Ch. 46 tower, with KLSX 97.1, Mt. Wilson										
City of License: Los Angeles, CA										
KRTH	L	101.1	B+	51.30	No	3130	954	464	34 13 38	118 04 00
Ch. 9 tower, Mt. Wilson										
City of License: Los Angeles, CA										
KSCA	L	101.9	B+	4.80	No	2831	863	180	34 13 26	118 03 45
Ch. 58 tower, Mt. Wilson										
City of License: Glendale, CA										
KJLH	L	102.3	A	2.25	No	338	103	80	33 59 52	118 21 32
NW of intersection of Stocker and La Brea, Baldwin Hills, Los Angeles										
City of License: Compton, CA										
KIIS	L	102.7	B+	8.00	Yes	2960	902	220	34 13 36	118 03 57
On tower with KKBT 92.3, Mt. Wilson										
City of License: Los Angeles, CA										
KACD	L	103.1	A	3.00	Yes	265	81	145	34 00 53	118 22 50
Above Jefferson Blvd. near Wrightcrest Dr., Baldwin Hills, Culver City										
City of License: Santa Monica, CA										
Note: Simulcast on KBCD 103.1 Newport Beach										
KBCD	L	103.1	A	2.00	No	300	91	320	33 37 55	117 56 15
971 16th St., Newport Beach										
City of License: Newport Beach, CA										
Note: Simulcasts KACD 103.1 Santa Monica										
KOST	L	103.5	B+	12.50	No	3100	945	492	34 13 32	118 03 55
Ch. 4 tower, Mt. Wilson										
City of License: Los Angeles, CA										
KACE	L	103.9	A	1.65	No	390	119	187	34 00 24	118 21 52
South tower, KTYM-AM 1460 array, NE of La Cienega and Stocker, Baldwin Hills, Los Angeles										
City of License: Inglewood, CA										
KBIG	L	104.3	B+	105.00	No	2890	881	150	34 13 36	118 03 59
Mt. Wilson antenna farm										
City of License: Los Angeles, CA										
Note: This is the most powerful combination of ERP and antenna height licensed to a commercial FM station in the Top 100 markets.										
KKGO	L	105.1	B+	18.00	No	2887	880	220	34 14 45	118 04 04
Mt. Wilson antenna farm										
City of License: Los Angeles, CA										

LOS ANGELES

KBUE	L	105.5	A	1.35	No	407	124	403	33 51 29	118 13 22
City of Long Beach Water Tank Farm, Dominguez Hills, W of I-710 Frwy.										
City of License: Long Beach, CA										
KPWR	L	105.9	B+	25.00	Yes	3035	925	463	34 13 38	118 04 00
On Ch. 9 tower with KRTN 101.1, Mt. Wilson										
City of License: Los Angeles, CA										
KALI	L	106.3	A	3.00	No	203	62	413	33 45 21	117 51 17
Lincoln St. at Washington, adjacent to Santa Ana Frwy, Santa Ana										
City of License: Santa Ana, CA										
KROQ	L	106.7	B	5.60	No	1387	423	210	34 11 47	118 15 30
Verdugo Mtns., northern Glendale, NE of downtown Burbank										
City of License: Pasadena, CA										
KLYY	L	107.1	A	3.00	No	-44	-13	130	34 10 51	118 01 38
W of Santa Anita Canyon Rd., San Gabriel Mtns., above Sierra Madre										
City of License: Arcadia, CA										
KLVE	L	107.5	B+	29.50	No	2998	914	305	34 13 44	118 04 02
Mt. Wilson antenna farm										
City of License: Los Angeles, CA										
KWVE	L	107.9	B	50.00	No	495	151	130	33 25 52	117 35 47
Clemente Peak (El. 896'), Avenue Salvador Extended, in hills above San Clemente, 0.5 mi. E of I-5										
City of License: San Clemente, CA										
KWVE CP	C	107.9	B	0.56	Yes	3691	1125	49	33 42 40	117 31 54
Atop Satiago Peak, 19 mi. NNE of San Clemente										
City of License: San Clemente, CA										

Market overview/update: Most significant development: KLAX (the old KNOB Long Beach) moved from Signal Hill just north of Long Beach to the Baldwin Hills east of LAX - squarely in the middle of the biggest population concentration in Southern California. In essence, the station swapped off excellent coverage of Orange County for strong coverage of everything in Los Angeles except the San Fernando Valley. The new tower site proved a great launch site for a format aimed at Los Angeles' huge Hispanic population. Easily the most significant move-in since Z-100 in New York in the early 1980's. KLAX has filed an application to move from the Baldwin Hills to Flint Peak in Glendale. Flint would give KLAX better coverage in the Valley.

Meanwhile, several stations which previously transmitted from Flint have moved to Mt. Wilson. In 1989, KLSX had just moved to Wilson, while KZLA, KPWR and KKLA remained on Flint. Since then, the remaining three have completed the move. The extraordinary height of Wilson meant less ERP for each of the players, but less terrain shadowing. KLSX, KZLA and KPWR were able to retain their full former coverage envelopes as grandfathered "superpower" stations, and KKLA was able to license an ERP greater than standard Class B power. KMQA West Covina has managed to upgrade coverage twice since 1989; first to the San Jose Hills near West Covina and more recently, to a site 2800' up into the San Gabriel Mountains just north of the town of San Dimas. The new site yields one of the largest Class A coverage areas in the country. KSCA is now licensed at 4.8kw, twice its former power.

LOS ANGELES



ARBITRON METRO AREA



KKBT

92.3

43/2910



KCBS

93.1

28.5/3498

LOS ANGELES



KFOG 93.5 3/175



KZLA 93.9 18.5/3136



KIKF 94.3 3/249
KYKF 94.3 3/85



KTWV 94.7 58/2831

LOS ANGELES



KLOS 95.5 63/3130



KEZY 95.9 2.4/328



KFSG 96.3 54/480



KMZ 96.7 3/207

LOS ANGELES



KLSX 97.1 21/3002



KLAX 97.9 50/390



KMQA 98.3 650w/971



KYSR 98.7 75/1180

LOS ANGELES



KKLA 99.5 10.5/2881



KIBB 100.3 5.3/3004



KRTH 101.1 51.3/3130



KSCA 101.9 4.8/2788

LOS ANGELES



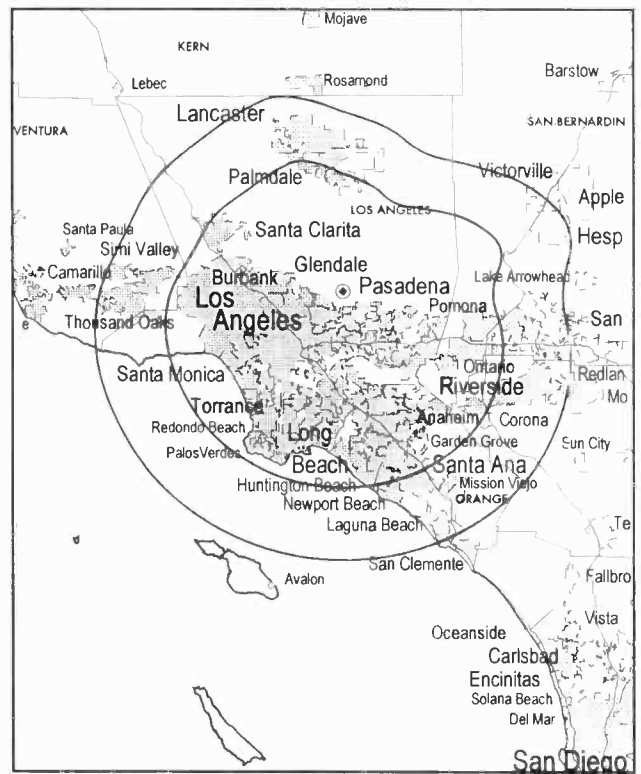
KJLH 102.3 2.25/338



KIIS 102.7 8/2960



KACD 103.1 3/265
KBCD 103.1 2/300



KOST 103.5 12.5/3100

LOS ANGELES



KACE 103.9 1.65/390



KBIG 104.3 105/2890



KKGO 105.1 18/2887



KBUE 105.5 1.35/407

LOS ANGELES



KPWR 105.9 25/3035



KALI 106.3 3/203



KROQ 106.7 5.6/1387

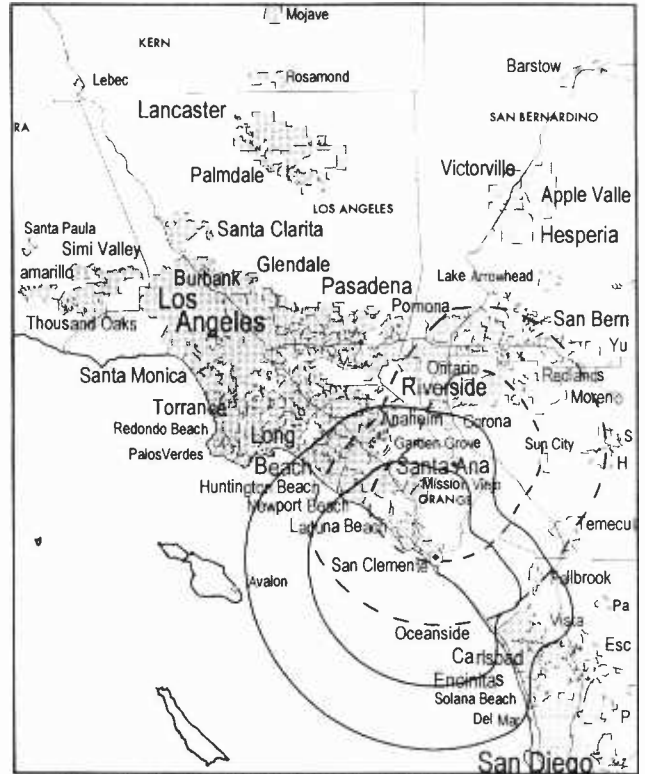


KLYY 107.1 3/-44

LOS ANGELES



KLVE 107.5 29.5/2998



KWVE 107.9 50/495
KWVE CP 107.9 560w/3691

LOUISVILLE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WRVI 4623 Corydon Pike, New Albany, IN City of License: New Albany, IN	L	94.7	A	3.00	No	328	100	89	38 17 02	85 54 17
WQMF On IN 211, between IN 11 and 111, on bluff above Ohio River, Elizabeth, IN City of License: Jeffersonville, IN	L	95.7	B	28.50	No	643	196	453	38 08 16	85 56 05
WQMF CP On IN 211, between IN 11 and 111, on bluff above Ohio River, Elizabeth, IN City of License: Jeffersonville, IN Note: CP site adjacent to licensed site	C	95.7	B	29.50	No	633	193	453	38 08 16	85 56 06
WGZB 0.5 mi. SW of junction of IN 62 and St. Peter's Church Rd., Harrison County, IN City of License: Corydon, IN	L	96.5	A	3.00	No	328	100	285	38 12 52	86 01 00
WAMZ Brooks Hill Rd. at Holsclaw Hill Rd., 1.3 mi. W of I-65, Brooks, KY City of License: Louisville, KY	L	97.5	C1	100.00	No	673	205	331	38 03 49	85 43 52
WKJK S side of US 150, 0.2 mi. E of Buttonhole Rd., SE of Greenville, IN City of License: Salem, IN	L	98.9	B	50.00	No	492	150	420	38 21 56	85 58 55
WDJX Green Valley Rd. and Skyline Dr., near New Albany, IN City of License: Louisville, KY	L	99.7	B	24.00	No	715	218	404	38 21 53	85 50 18
WTFX #1 tower, WWKY-AM 790 array, adjacent to I-265 at Taylorsville Rd. (KY 155), 2.2 mi. E of Jeffersontown, KY City of License: Louisville, KY	L	100.5	C2	37.40	No	554	169	479	38 11 32	85 31 17
WMJM 0.6 mi. SE of KY 155 and 841, near Hopeville Rd., E of Jeffersontown City of License: Jeffersontown, KY	L	101.7	A	1.90	No	415	126	393	38 11 04	85 29 57
WLRS Atop 800 S. 4th St., Louisville City of License: Louisville, KY	L	102.3	A	3.00	No	285	87	338	38 14 37	85 45 34
WRKA 650 Country Club Rd. at Eastern Ave., Louisville City of License: St. Mathews, KY	L	103.1	A	6.00	Yes	312	95	290	86 16 03	85 41 53
WSJW Atop 101 S. 5th St., downtown Louisville City of License: Louisville, KY	L	103.9	A	1.35	No	490	149	539	38 15 20	85 45 28
WXNU IN 211, Elizabeth, IN City of License: Valley Station, KY	L	105.9	A	3.00	No	328	100	200	38 08 14	85 56 10
WXNU CP WQMF tower, Elizabeth, IN City of License: Valley Station, KY Note: theoretical coverage too small to show on map	C	105.9	A	3.00	No	328	100	453	38 08 16	85 56 05

LOUISVILLE

WVEZ	L	106.9	B	24.50	No	670	204	320	38 22 20	85 49 32
Skyline Drive, near New Albany, IN										
City of License: Louisville, KY										
WSFR	L	107.7	B	31.00	Yes	568	173	377	38 10 25	85 54 50
1.4 mi. E of intersection of IN 11 and Lottick Corner Rd., Harrison Co., IN										
City of License: Corydon, IN										

Market overview/update: Home to only 8 FM's in 1989, Louisville has seen an influx of five new signals since then. Among the pre-existing operations, WQMF moved to a site slightly closer to Louisville, and a slightly taller tower. WAMZ also built a taller tower at its existing site south of Louisville. Three Class As, WLSY, WQLL and WRKA, were able to raise their ERPs inside the new 6-kw class power envelope. The cream of the new-player crop is WTFX, a full-power, non-directional Class C2 (50-kw equivalent power) operation. After an ill-fated attempt to co-locate on the WAMZ tower, it wound up on one of the 480' WWKY-AM sticks just east of the city. WSFR is a new Class B located on high ground west of the Ohio River in Indiana. Coverage is less than that of a full-coverage B from that location due to a DA restriction in the direction of Dayton - also the direction of the city of Louisville. WGZB, new Class A located not far from WSFR, reinforces its signal in Louisville with a booster. Another new A, WXNU, is also located across the river in Indiana. WKJK is a 50-kw non-DA move-in from Salem, IN, with a tower location west of the New Albany antenna farm.



ARBITRON METRO AREA



WRVI 94.7 3/328

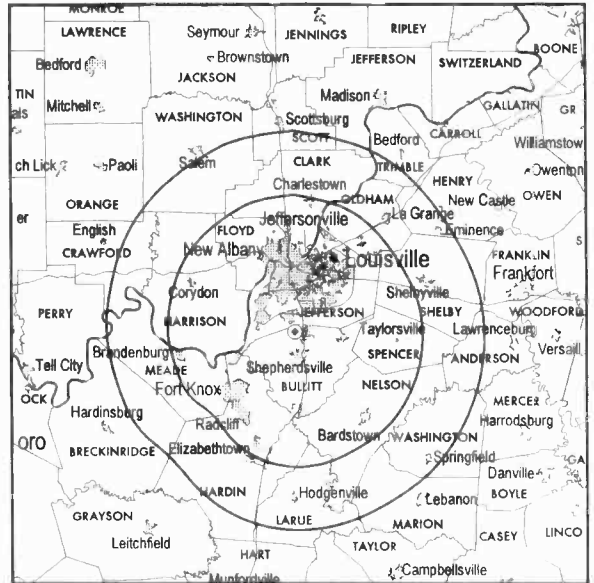


WQMF 95.7 28.5/643

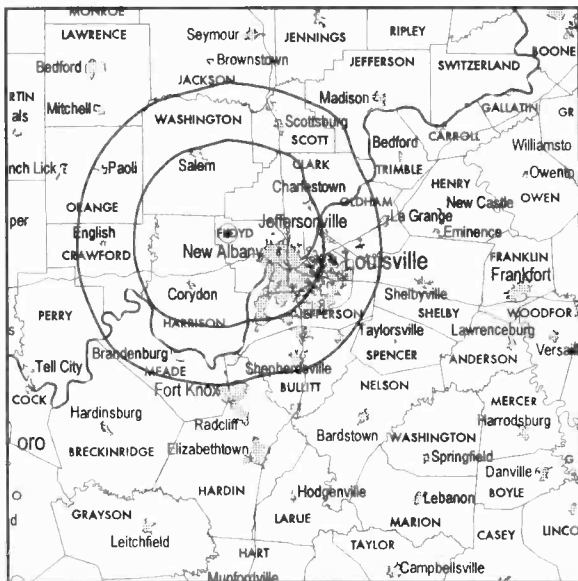
LOUISVILLE



WGZB 96.5 3/328



WAMZ 97.5 100/673



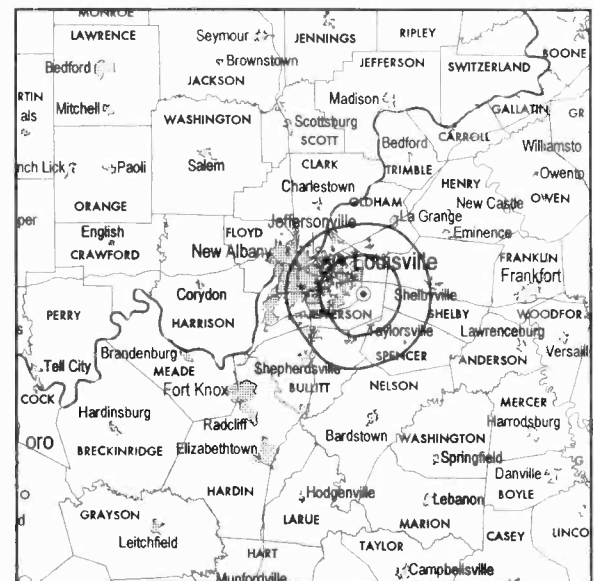
WKJK 98.9 50/492



WDJX 99.7 24/715



WTFX 100.5 37.4/554



WMJM 101.7 1.9/415

LOUISVILLE



WLRS 102.3 3/285



WRKA 103.1 6/312



WSJW 103.9 1.35/490



WXNU 105.9 3/328
WXNU CP 105.9 3/328



WEZ 106.9 24.5/670



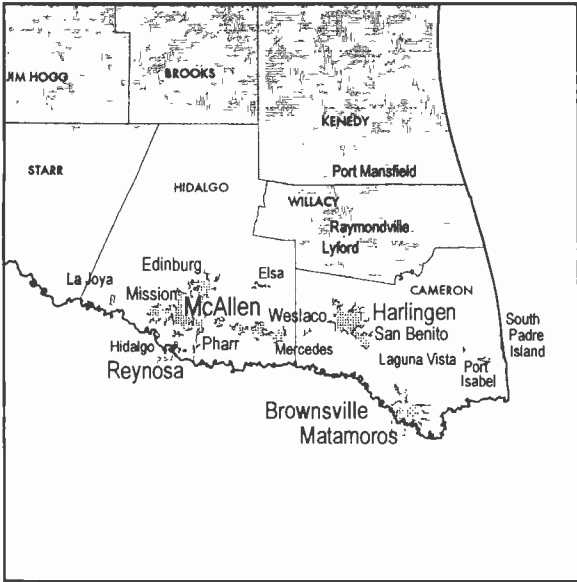
WSFR 107.7 31/568

McALLEN - BROWNSVILLE

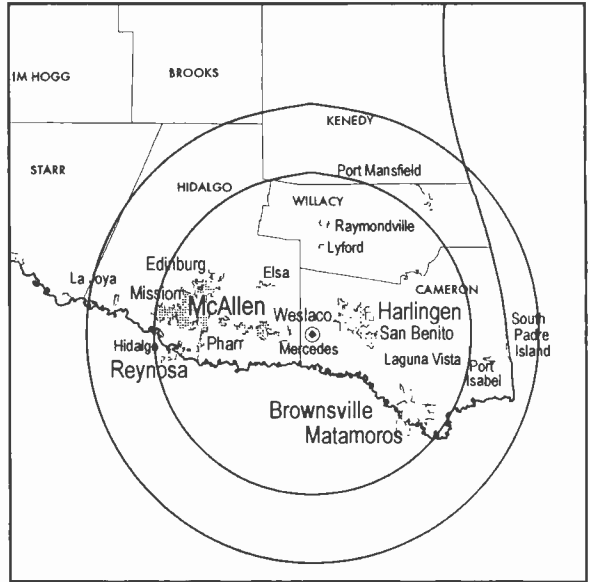
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KFRQ Ch. 4 tower, 0.3 mi. S of La Feria, TX City of License: Harlingen, TX	L	94.5	C	100.00	No	1158	353	1339	26 08 55	97 49 17
KIWW On Ch. 4 tower with KFRQ 94.5 City of License: Harlingen, TX	L	96.1	C	100.00	No	987	301	1339	26 08 55	97 49 17
KQXX Ch. 60 tower with KTEX 100.3, 0.7 mi. S of La Feria, TX City of License: McAllen, TX	L	98.5	C	100.00	No	997	304	1244	26 07 14	97 49 18
KKPS On tower with non-com'l. KVMV 96.9, N of US 281, 1.1 mi. E of Santa Maria, TX City of License: Brownsville, TX	L	99.5	C	100.00	No	1037	316	1207	26 04 53	97 49 44
KTEX Ch. 60 tower with KQXX 98.5 City of License: Brownsville, TX	L	100.3	C	100.00	No	1125	343	1244	26 07 14	97 49 18
KSOX 10.6 mi. N of Raymondville, 4.3 mi. W of US 77 City of License: Raymondville, TX	L	102.1	C2	18.00	No	758	231	799	26 38 09	97 50 10
KBFM Ch. 23 tower, 1.6 mi. NE of Santa Maria, TX City of License: Edinburg, TX	L	104.1	C	100.00	No	998	305	1494	26 05 59	97 50 16
KTJX NW section of Mission, TX City of License: Mission, TX Note: Simulcasts KTJN 106.3 Mercedes	L	105.5	A	3.00	No	285	87	295	26 13 50	98 20 18
KTJN Palmera St., S of La Feria, TX City of License: Mercedes, TX Note: Simulcast on KTJX 105.5 Mission	L	106.3	A	0.53	No	633	193	650	26 08 28	97 50 04
KVLY 3 mi. S of La Villa, TX City of License: Edinburg, TX	L	107.9	C1	100.00	No	719	219	755	26 15 01	97 55 21

Market overview/update: While several full-power Class C stations have moved to different tower sites, the resulting signal situation is remarkably similar to that which existed five years ago. KVLY, only C1 in the market, upgraded from a 549' tower to a 755' tower. KSOX is a new C2 drop-in, transmitting from a tower north of the metro. KTJN is a drop-in A in the La Feria antenna farm which simulcasting with KTJX Mission.

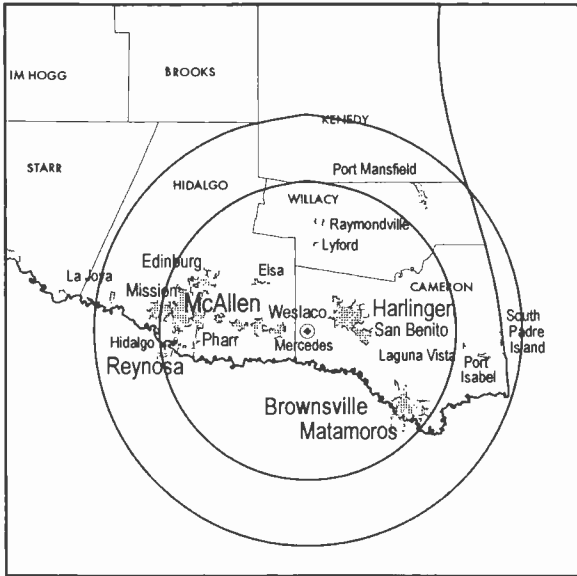
McALLEN - BROWNSVILLE



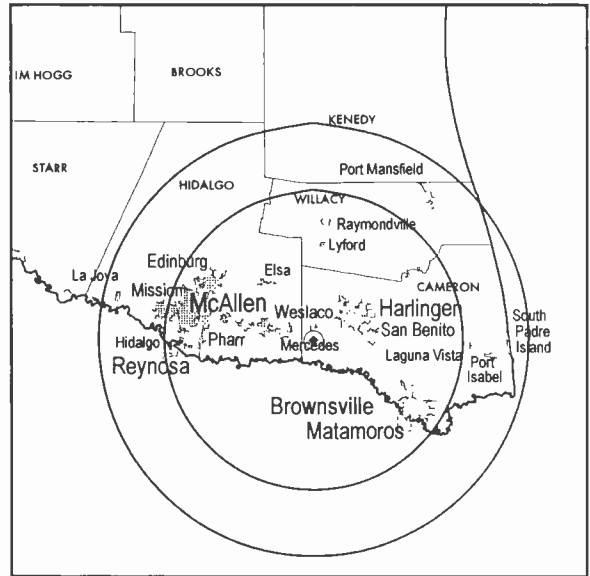
ARBITRON METRO AREA



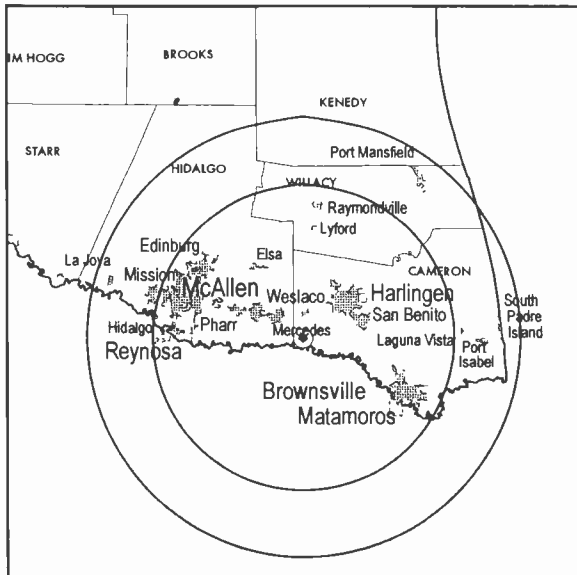
KFRQ 94.5 100/1158



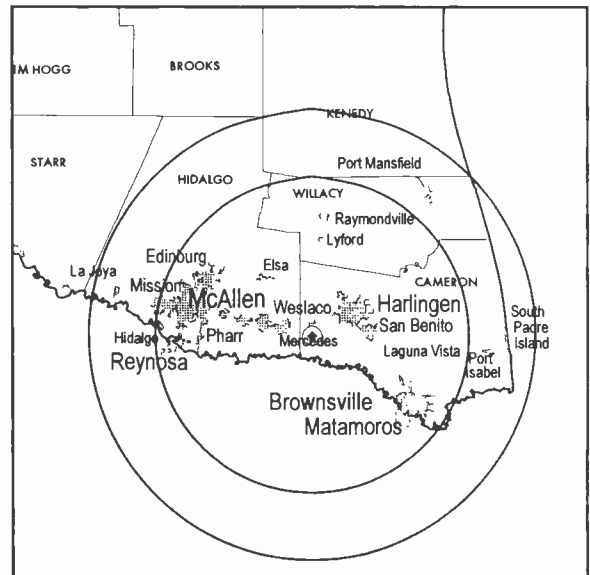
KIWW 96.1 100/987



KQXX 98.5 100/997

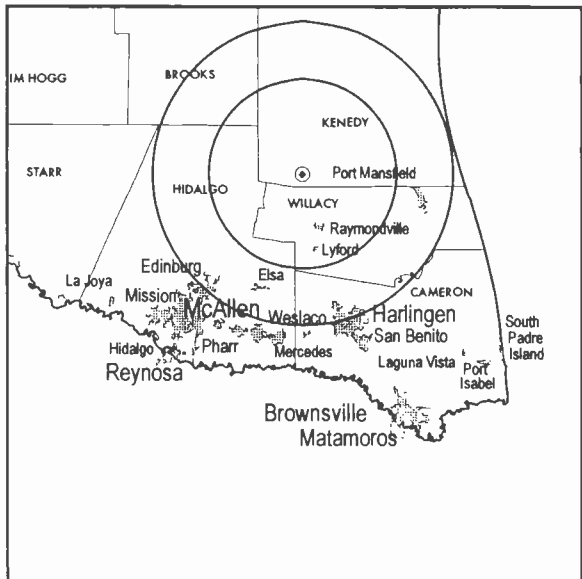


KKPS 99.5 100/1037

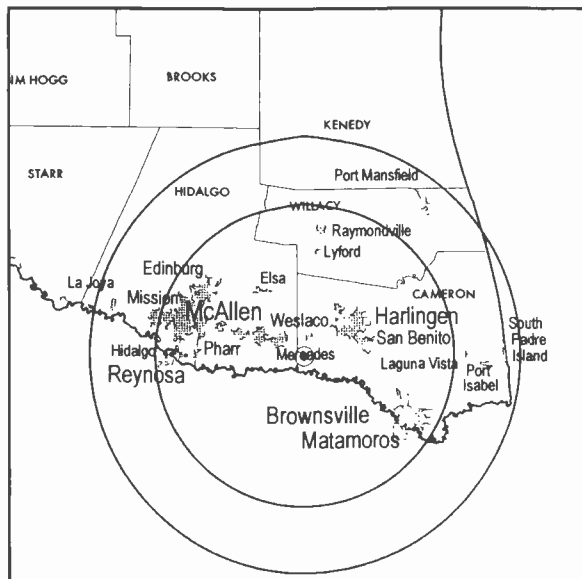


KTEX 100.3 100/1125

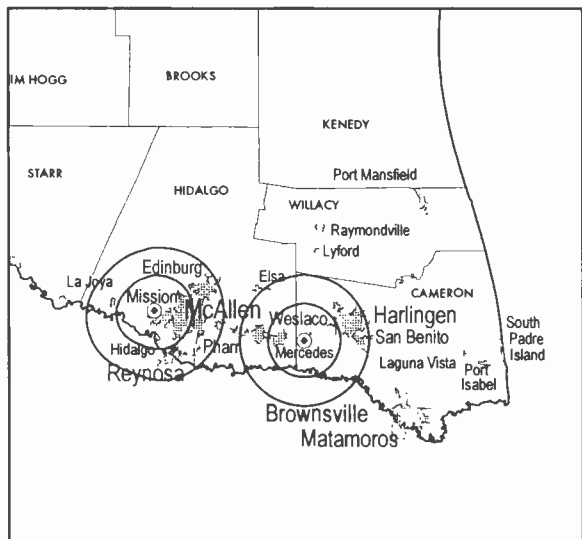
McALLEN - BROWNSVILLE



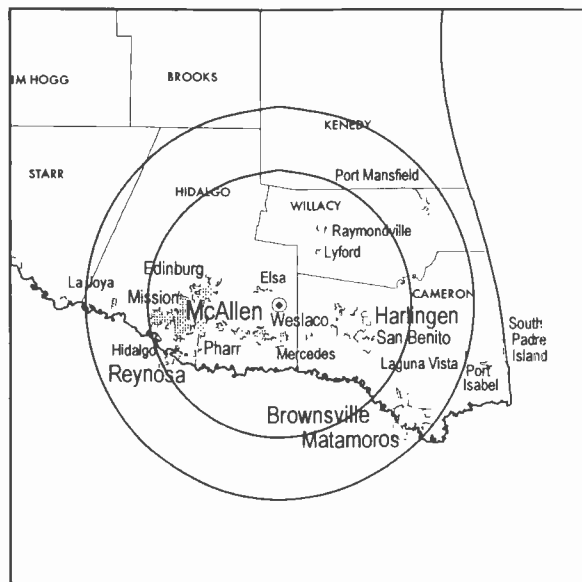
KSOX 102.1 18/758



KBFM 104.1 100/998



KTJX 105.5 3/285
KTJN 106.3 530w/633



KVLY 107.9 100/719

MELBOURNE - TITUSVILLE

Call	Lic/CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WGGD WMMB-AM 1240 tower, 2221 Front St., on the Indian River, downtown Melbourne City of License: Melbourne, FL	L	95.1	A	6.00	No	210	64	239	28 04 42	80 35 56
WLRQ US 1, Bonaventure, FL City of License: Cocoa, FL	L	99.3	C2	50.00	No	492	150	502	28 16 42	80 42 03
WHKR Fox Lake Rd., adjacent to I-95, Titusville City of License: Rockledge, FL	L	102.7	C2	50.00	No	492	150	500	28 35 03	80 50 56
WCIF On tower with WGGD 95.1 City of License: Melbourne, FL	L	106.3	A	4.20	No	210	64	239	28 04 42	80 35 56
WAOA Harlock Rd., 0.4 mi. N of County Rd. 511, West Eau Gallie City of License: Melbourne, FL	L	107.1	C1	100.00	No	486	148	500	28 08 14	80 42 11

Market overview/update: This market, relatively new to the top 100, is ill-defined from a signal-infrastructure standpoint. It is similar to markets such as Long Island and Greenville-New Bern in that the population is scattered over a wide area (Brevard county is more than 80 miles long), and no single population center dominates the area. Both WJRR and WTKS, the original C Class stations licensed in Brevard, moved to Orlando some years ago. Though their thrust is primarily toward Orlando, they are among several tall-tower FMs in Orlando's Bithlo antenna farm which city-grade two of the three urban centers in Brevard (see the Orlando section for their maps). Among the stations "home" to Melbourne-Titusville, none has theoretical city-grade coverage of all three of the market's major population centers. WLRQ, a C2 in Cocoa, comes closest to centering its power over all three population centers. In recent Arbitrons, the market's highest 12+ shares have gone to WMMB, a 1-kw AM in Melbourne.



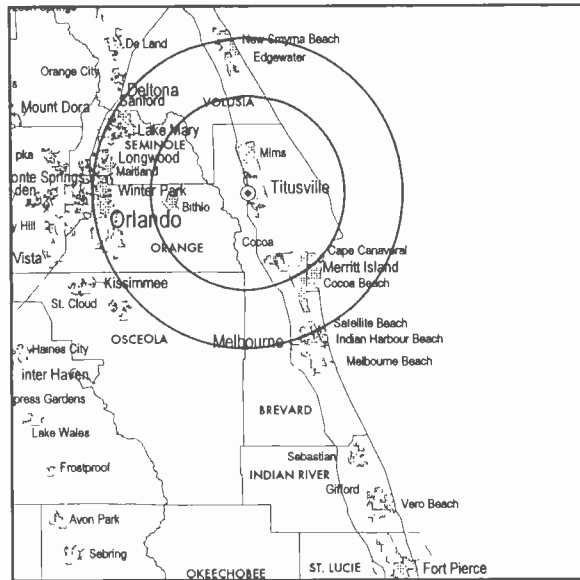
MELBOURNE - TITUSVILLE



WGGD 95.1 6/210



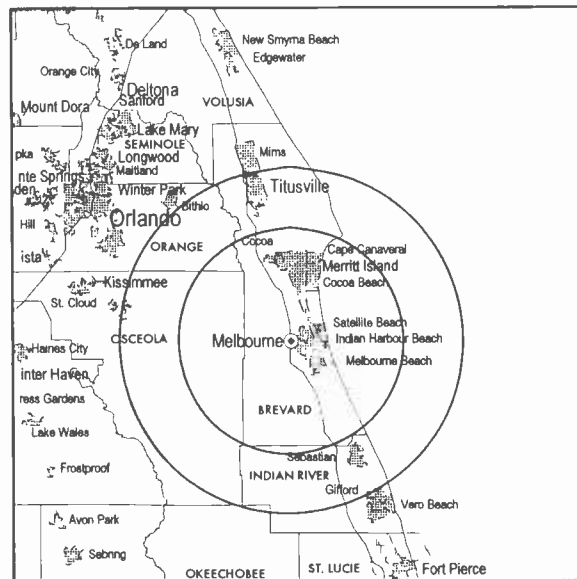
WLRQ 99.3 50/492



WHKR 102.7 50/492



WCIF 106.3 4.2/210



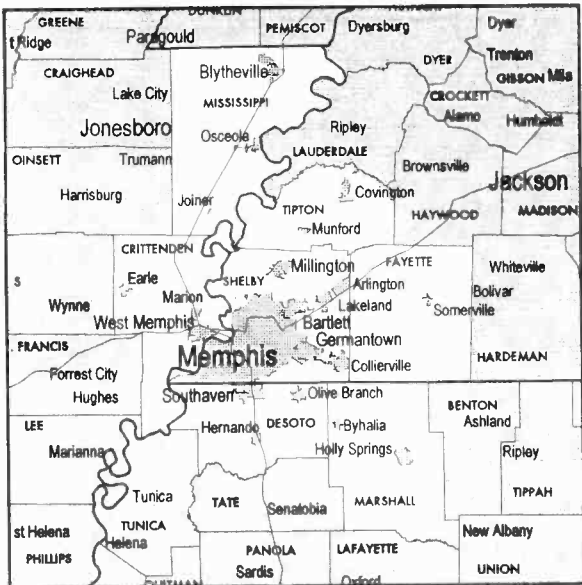
WAOA 107.1 100/486

MEMPHIS

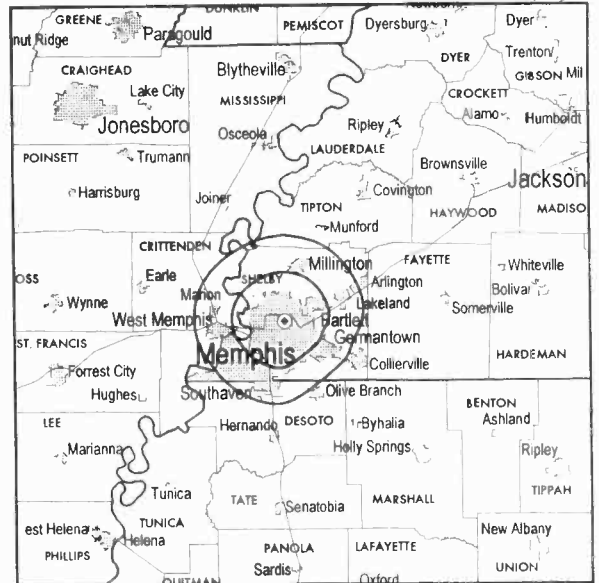
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WMFS Jackson Ave. (TN 14) at Bayliss St., Memphis City of License: Bartlett, TN	L	92.9	A	6.00	Yes	328	100	361	35 10 20	89 56 40
WOGY 0.6 mi. E of US 78, Mineral Wells, DeSoto County, MS City of License: Germantown, TN	L	94.1	C2	50.00	Yes	472	144	495	34 59 22	89 51 45
WRXQ 2785 Old Ridgeway Rd., between Nessick & Winchester Rds., Germantown City of License: Olive Branch, MS	L	95.7	A	6.00	Yes	328	100	371	35 04 25	89 51 27
WHRK On center tower of WJCE-AM 680 array, Benjestown Rd., W of US 51, N of downtown Memphis City of License: Memphis, TN	L	97.1	C1	100.00	No	531	162	608	35 13 23	90 02 33
WSRR Ch. 13 tower, 6555 Raleigh-LaGrange Rd., 0.5 mi. W of I-40/Whitten Rd. interchange City of License: Millington, TN	L	98.1	C1	100.00	No	768	234	1076	35 10 28	89 50 41
WMC Ch. 5/WMC-AM tower, 5317 Crestview Rd., off US 70/79, near intersection with Macon Rd. City of License: Memphis, TN Note: Second-highest ERP currently licensed in US	L	99.7	C+	300.00	No	908	277	1091	35 10 09	89 53 12
KJMS KWAM-AM 990 array, W of I-55 Mississippi River Bridge, W. Memphis, AR City of License: Memphis, TN	L	101.1	C1	100.00	No	450	137	525	35 08 01	90 05 38
WEGR Ch. 3 tower, 2.75 mi. SE of Bartlett, TN City of License: Memphis, TN	L	102.7	C1	100.00	No	900	274	1077	35 10 52	89 49 56
WRVR Ch. 10 tower, 7192 Raleigh-LaGrange Rd. City of License: Memphis, TN	L	104.5	C1	100.00	No	750	229	1114	35 09 17	84 49 20
WGKX Ch. 10 tower with WRVR 104.5 City of License: Memphis, TN	L	105.9	C	100.00	No	984	300	1114	35 09 17	84 49 20
KMZN 1 mi. W of I-40 Mississippi River Bridge, 2 mi. W of downtown Memphis City of License: Marion, AR Note:	L	107.1	A	3.00	No	328	100	363	35 09 23	90 05 46
KMZN CP Increase to 6-kw equivalent power at same site City of License: Marion, TN	C	107.1	A	2.75	Yes	479	146	500	35 09 23	90 05 46

Market overview/update: A number of significant changes since '89. WOGY (formerly WEZI) upgraded from 3-kw Class A status into a competitive-coverage Class C2 operation. Barnstable completed a well-executed move-in/upgrade for WSRR. Formerly licensed to Osceola, AR, it is now licensed to Millington, TN, a close-in suburb of Memphis. That change paved the way for a move from a tower in Frenchman's Bayou, AR, to the Ch. 13 tower in Memphis as a C1 station. For many years, Barnstable's WGKX occupied the very same position on the Ch. 13 tower now occupied by WSRR. WGKX became a full Class C operation via a move to the Ch. 10 tower. Three Class A operations appear for the first time in this edition; two are new. WRXQ and WMFS are new drop-ins; KMZN (formerly KFTH) is now part of Dr. George Flinn's local duop.

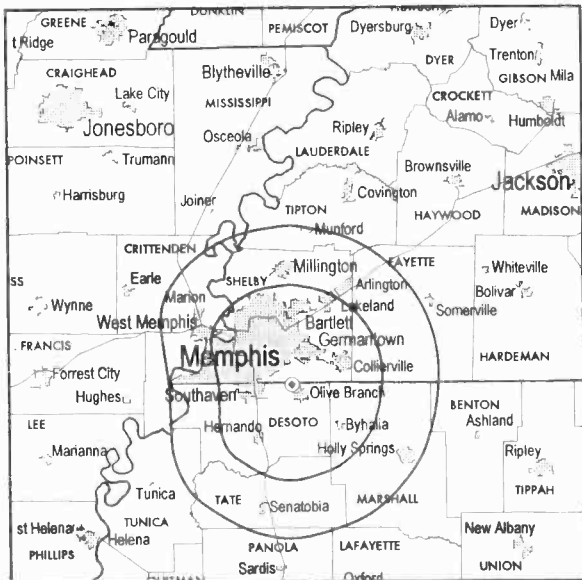
MEMPHIS



ARBITRON METRO AREA



WMFS 92.9 6/328



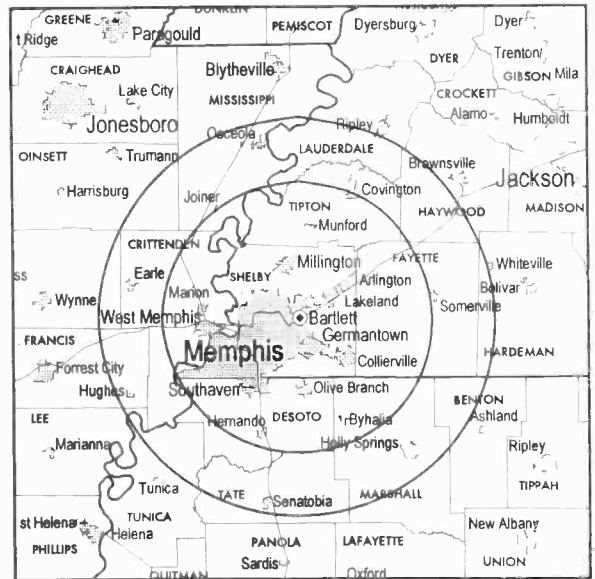
WOGY 94.1 50/472



WRXQ 95.7 6/328

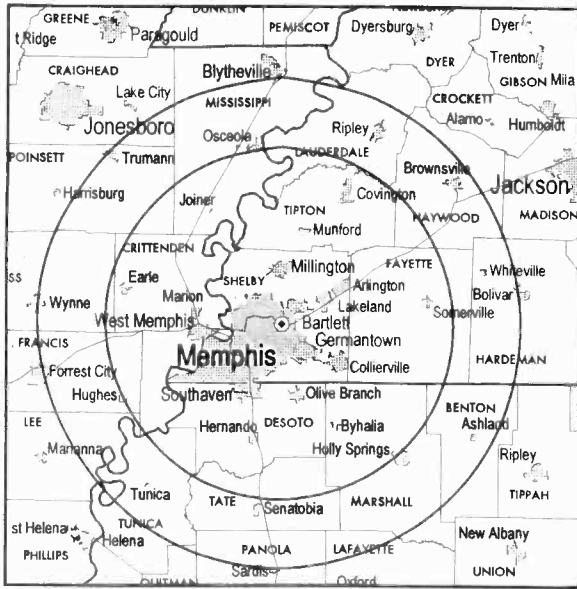


WHRK 97.1 100/531

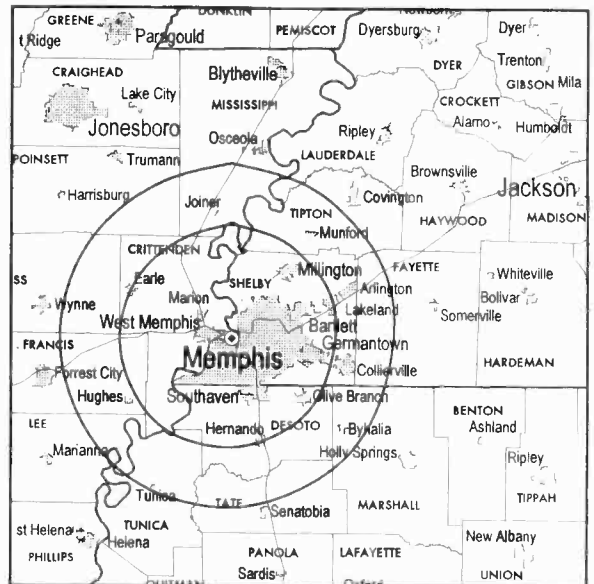


WSRR 98.1 100/768

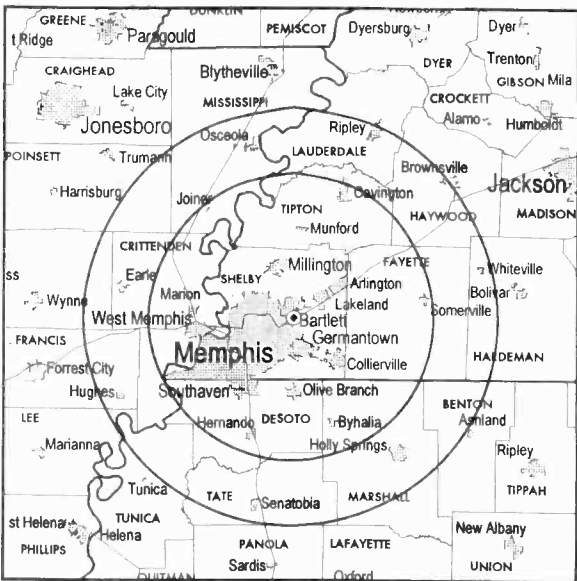
MEMPHIS



WMC 99.7 300/908



KJMS 101.1 100/450



WGR 102.7 100/900



WRVR 104.5 100/750



WGKX 105.9 100/984



KMZN 107.1 3/328
KMZN CP 107.1 2.75/479

MIAMI - FT. LAUDERDALE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WCMQ Atop One Biscayne Blvd. building, downtown Miami City of License: Hialeah, FL	L	92.3	C2	31.00	No	618	188	649	25 46 29	80 11 19
WTMI Gannett 441 Tower, 390 NW 210th St., Miami-Ft. Lauderdale antenna farm City of License: Miami, FL	L	93.1	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33
WLVE Gannett 441 Tower City of License: Miami Beach, FL	L	93.9	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33
WZTA Gannett 441 Tower City of License: Miami Beach, FL	L	94.9	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33
WXDJ Atop One Biscayne Tower with WCMQ 92.3 City of License: Homestead, FL Note: Special Temporary Authorization (STA)	L	95.7	C1	46.00	No	531	162	649	25 46 29	80 11 19
WXDJ CP Former WQBA-FM tower, 13905 NW 6th St., just N of Tamiami Trail (US 41), adjacent to WRFM/WSUA diplexed AM array City of License: North Miami Beach, FL	C	95.7	C1	40.00	Yes	522	159	522	25 46 23	80 25 21
WPOW Gannett 441 Tower City of License: Miami, FL	L	96.5	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33
WFLC Gannett 441 Tower City of License: Miami, FL	L	97.3	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33
WRTO Ch. 6 tower, 17107 SW 240th St. (Coconut Palm Drive) between Tennessee and Krome aves., 3.5 mi. SW of Princeton City of License: Goulds, FL	L	98.3	C	100.00	No	1407	429	1841	25 32 24	80 28 07
WEDR Gannett 441 Tower City of License: Miami, FL	L	99.1	C1	100.00	No	919	280	1045	25 57 59	80 12 33
WKIS Ch. 45/FM candelabra tower, 3300 Pembroke Rd., Pembroke Park, FL City of License: Boca Raton, FL	L	99.9	C	100.00	Yes	984	300	1042	25 59 34	80 10 27
WHYI Gannett 441 Tower City of License: Ft. Lauderdale, FL	L	100.7	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33
WLYF Ch. 10 tower, 501 NW 207th St., Miami-Ft. Lauderdale antenna farm City of License: Miami, FL	L	101.5	C1	100.00	No	810	247	1045	25 57 59	80 12 44
WMXJ Gannett 441 Tower City of License: Pompano Beach, FL	L	102.7	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33

MIAMI - FT. LAUDERDALE

WPLL Gannett 441 Tower City of License: Ft. Lauderdale, FL	L	103.5	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33
WHQT Gannett 441 Tower City of License: Coral Gables, FL	L	105.1	C	100.00	Yes	1006	307	1045	25 57 59	80 12 33
WBGG On tower with WKIS 99.9 and WRMA 106.7 City of License: Ft. Lauderdale, FL	L	105.9	C	100.00	Yes	1024	312	1042	25 59 34	80 10 27
WRMA On tower with WKIS 99.9 and WBGG 105.9 City of License: Ft. Lauderdale, FL	L	106.7	C	100.00	Yes	984	300	1042	25 59 34	80 10 27
WAMR Gannett 441 Tower City of License: Miami, FL	L	107.5	C1	96.00	Yes	1006	307	1045	25 57 59	80 12 33

Market overview/update: Hurricane Andrew felled the 1,842' Ch. 6 tower just north of Homestead, leaving WXDJ and WRTO homeless. In the aftermath, both stations were able to get back on the air with Special Temporary Authorizations for less-powerful facilities located closer to the center of South Florida's population. WXDJ is currently operating with 46-kw from a mast atop the One Biscayne Building in downtown Miami, co-located with WCMQ. It holds a construction permit to change its city of license from Homestead to North Miami Beach, and operate permanently with 46-kw from the former WQBA-FM tower in the west side of the city. WRTO operated for a time from that tower before returning to the reconstructed Ch. 6 tower.

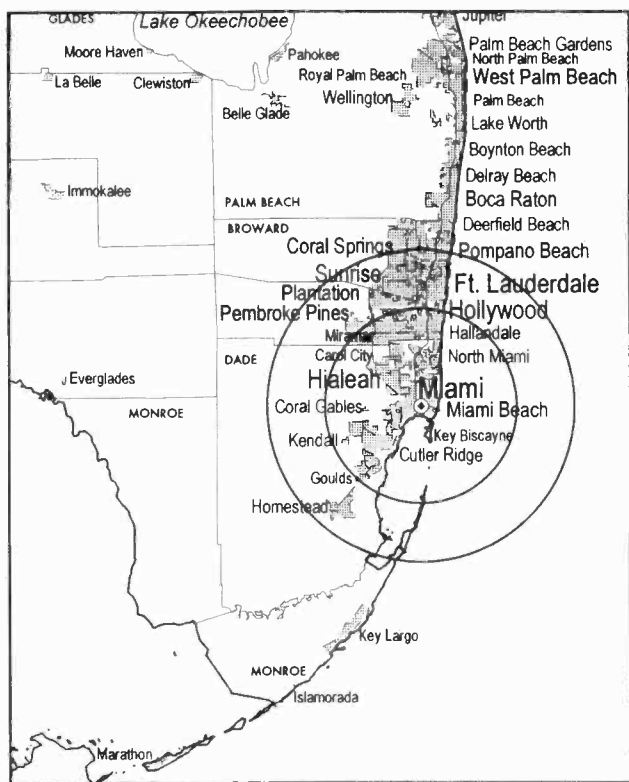
Since our first edition in 1989, even more of the Miami-Ft. Lauderdale FM community has consolidated operations at the Guy Gannett 441 multi-station tower in the antenna farm area. WGTR has upgraded from Class C1 status on the Ch. 2 tower to the Gannett master antenna as a full Class C. That brought to ten the number of stations dplexed into the Gannett master. In addition, three stations on the master have upgraded from Class C1 to Class C: WTMI, WLVE and WZTA. WEDR experienced a phenomenal increase in coverage after mounting a 100-kw Class C1 antenna at the 920' level on the Gannett tower.

Among multiple-station FM towers, the Gannett tower and Houston's Senior Road tower are in a class by themselves. Each was constructed primarily to consolidate a market's FM signals, and both accomplish that task with remarkable efficiency. Senior Road is far taller, but Gannett is more complex (the master is directional), and the tower also carries several UHF TV stations.

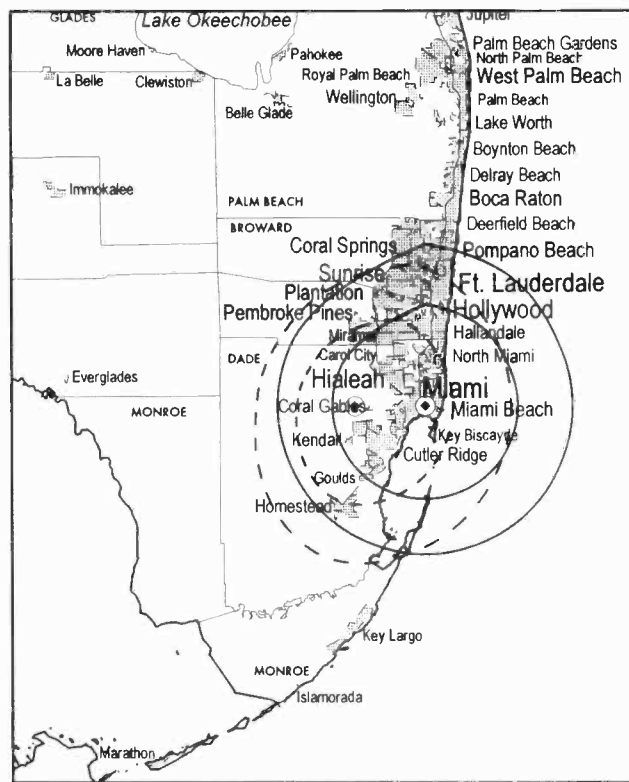


ARBITRON METRO AREA

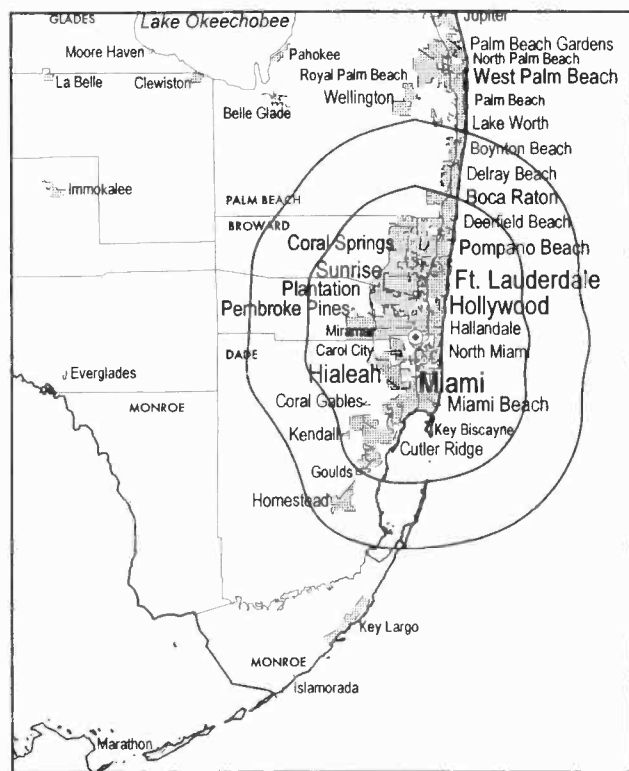
MIAMI - FT. LAUDERDALE



WCMQ 92.3 31/618



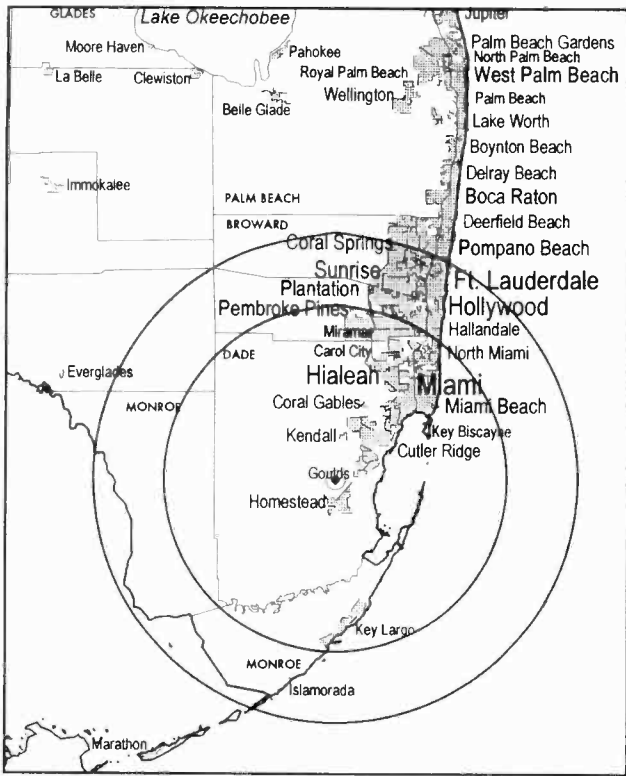
WXDJ 95.7 46/531
 WXDJ CP 95.7 40 DA/522



GANNETT 441 TOWER - CLASS Cs

WTMI	93.1	100/1006
WLVE	93.9	100/1006
WZTA	94.9	100/1006
WPOW	96.5	100/1006
WFLC	97.3	100/1006
WHYI	100.7	100/1006
WMXJ	102.7	100/1006
WPLL	103.5	100/1006
WHQT	105.1	100/1006

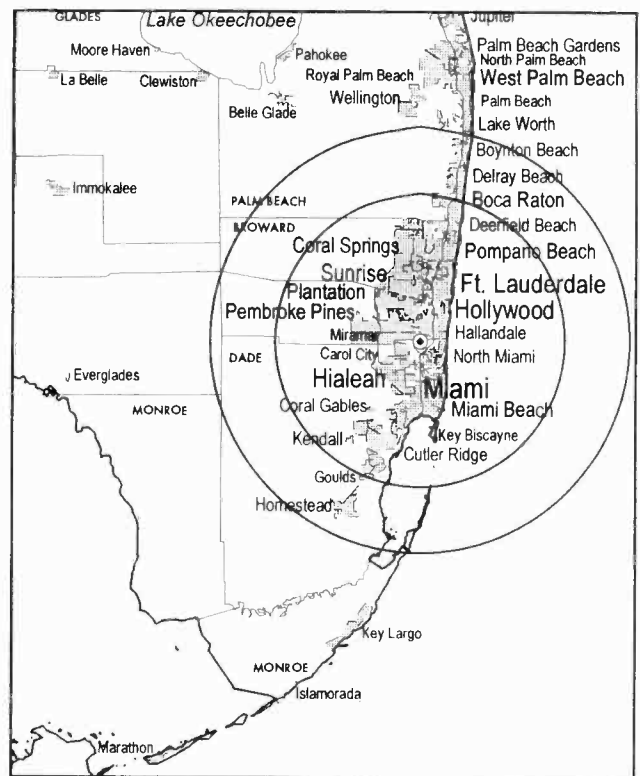
MIAMI - FT. LAUDERDALE



WRTO

98.3

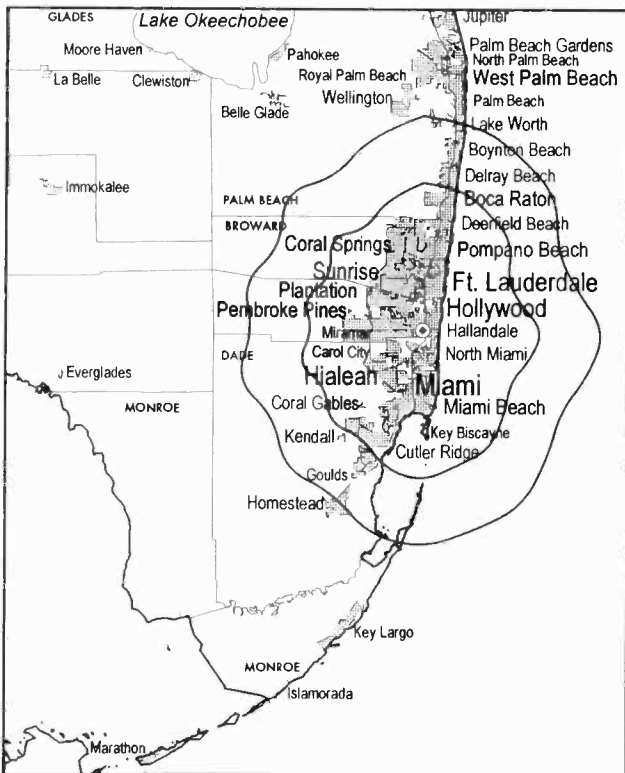
100/1407



WEDR

99.1

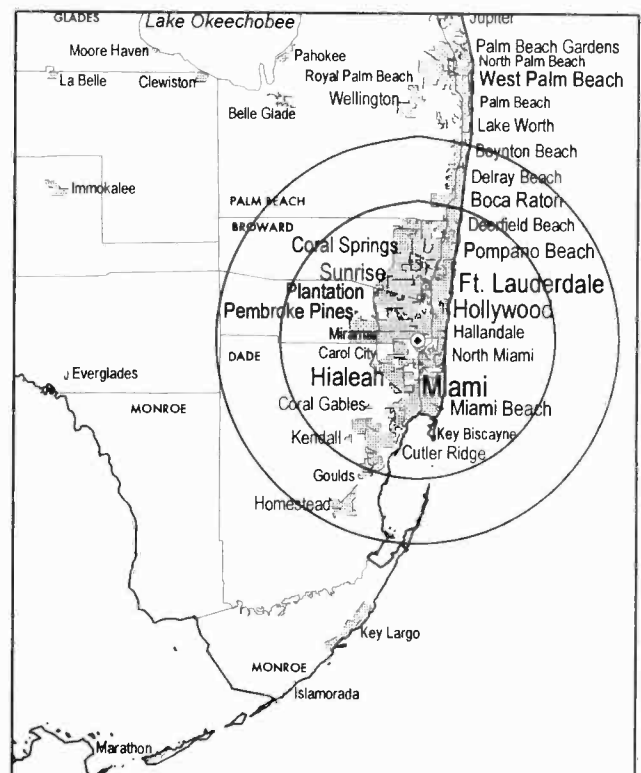
100/919



WKIS

99.9

100/984

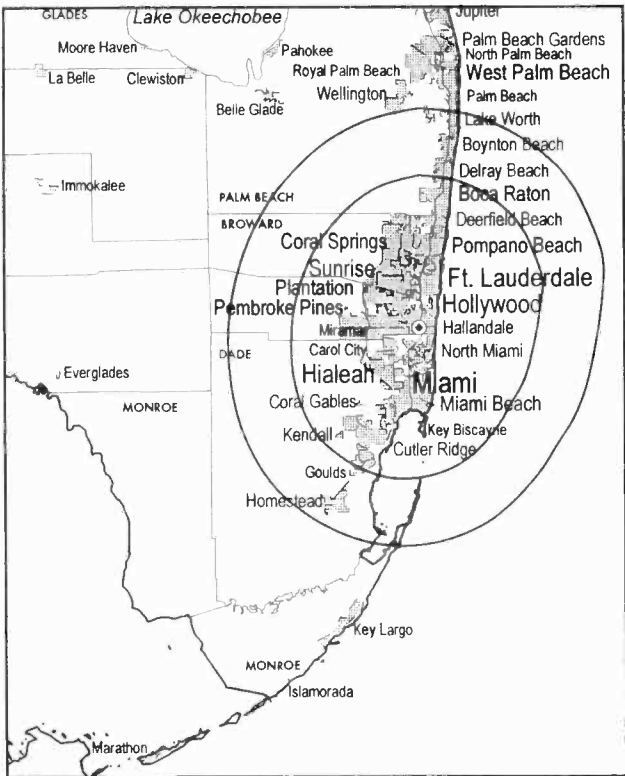


WLYF

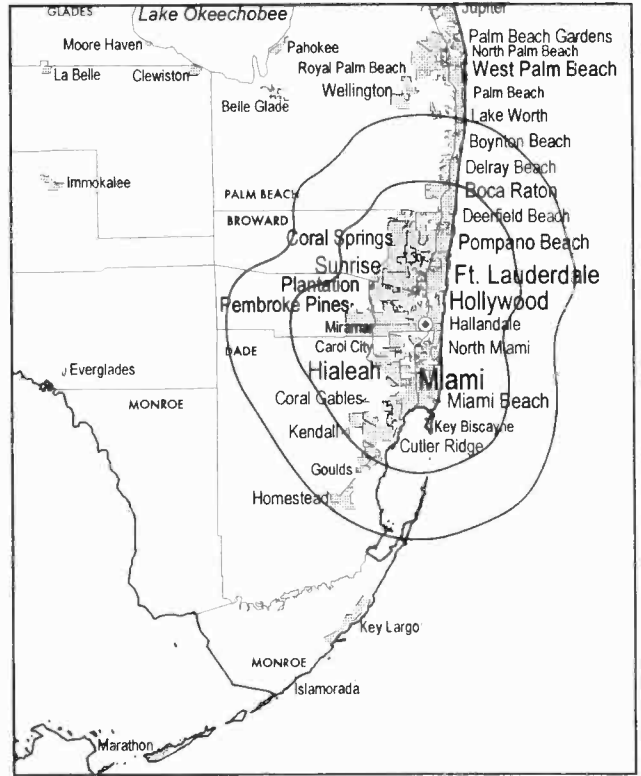
101.5

100/810

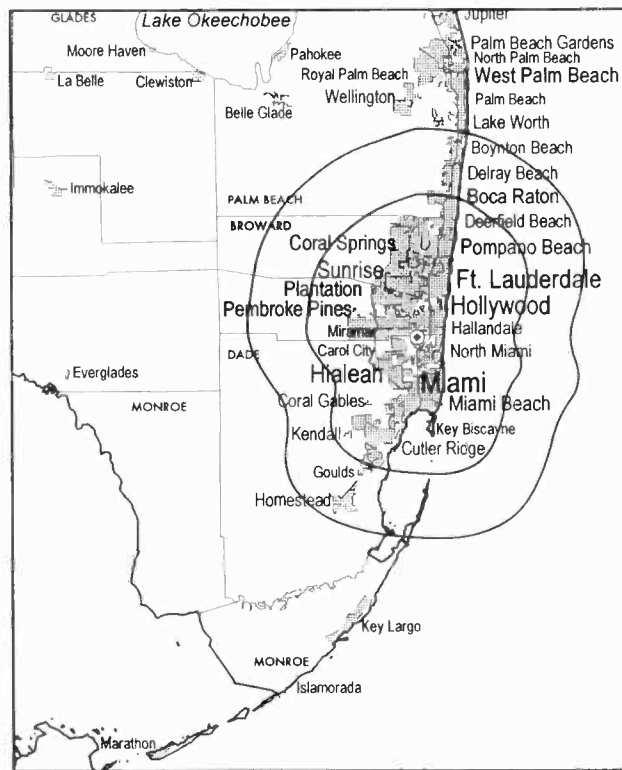
MIAMI - FT. LAUDERDALE



WBGG 105.9 100/1024



WRMA 106.7 100/984



WAMR 107.5 96/1006

MILWAUKEE

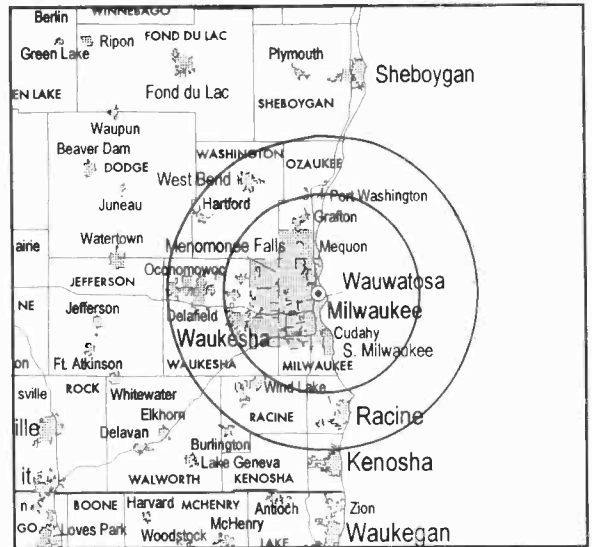
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WJZI Ch. 24 tower, 3950 N. Holton St., antenna farm area, Shorewood (NE Milwaukee) City of License: Milwaukee, WI	L	93.3	B	12.50	No	990	302	1089	43 05 15	87 54 12
WKTI Ch. 4 tower, 720 E. Capitol Dr., antenna farm area City of License: Milwaukee, WI	L	94.5	B	15.50	No	911	277	1096	43 05 29	87 54 07
WZTR Capitol Dr. at Port Washington Rd., antenna farm area City of License: Milwaukee, WI	L	95.7	B	34.00	No	610	186	630	43 05 25	87 54 54
WKLH Ch. 10/18/36 tower, 4400 N. Humboldt Ave., antenna farm area City of License: Milwaukee, WI	L	96.5	B	20.00	No	807	247	1101	43 05 48	87 54 19
WLTQ Ch. 12 tower, 5201 N. Milwaukee River Pkwy., antenna farm area City of License: Milwaukee, WI	L	97.3	B	15.50	No	911	278	1105	43 06 41	87 55 38
WFMR 7348 Shady Lane at Good Hope Rd., Menomonee Falls, WI City of License: Menomonee Falls, WI	L	98.3	A	6.00	Yes	292	89	331	43 09 00	88 07 25
WMYX With WEMP-AM 1250, 11800 W. Grange Ave., Hales Corner, WI City of License: Milwaukee, WI	L	99.1	B	50.00	No	448	137	466	42 56 44	88 03 39
WKKV 108th St., 0.3 mi. N of Five Mile Rd., 5.9 mi. S of Franklin, WI City of License: Racine, WI	L	100.7	B	50.00	No	500	152	503	42 48 18	88 02 54
WLUM On tower with WKLH 96.5 and WAMG 103.7 City of License: Milwaukee, WI	L	102.1	B	20.00	Yes	761	232	1101	43 05 48	87 54 19
WLZR WLZR-AM 1340 tower, 5407 W. Martin Drive, Milwaukee City of License: Milwaukee, WI	L	102.9	B	50.00	No	436	133	479	43 02 49	87 58 52
WAMG On tower with WKLH 96.5 and WLUM 102.1 City of License: Wauwatosa, WI	L	103.7	B	19.50	No	840	256	1101	43 05 48	87 54 19
WMIL On tower with WQFM 93.3 City of License: Waukesha, WI	L	106.1	B	13.10	No	976	297	1089	43 05 15	87 54 12
WFMI On tower with WJZI 98.3 City of License: Brookfield, WI	L	106.9	A	6.00	No	328	100	331	43 09 00	88 07 25

Market overview/update: Probably the most stable market in the country over the past few years. There have been minimal changes. Even the call letters are stable - only two stations have changed calls since our first edition. One new station has come on: WFMI, a Class A co-located with co-owned WFMR. WLUM moved from a 577' tower on West Blue Mound Road in Elm Grove to a slot on a television tower in the antenna farm. No other changes.

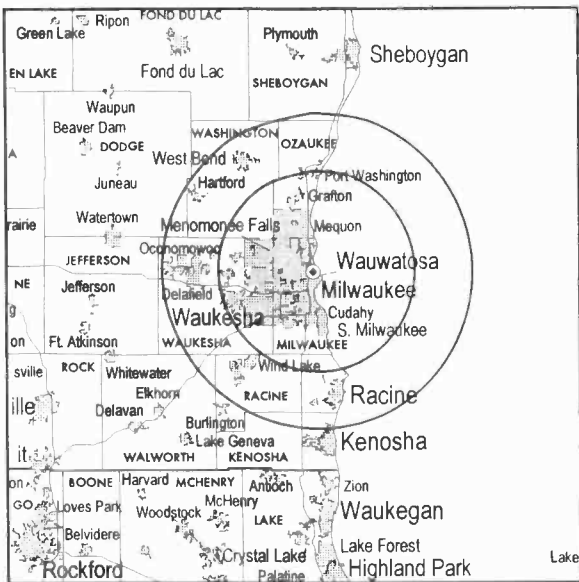
MILWAUKEE



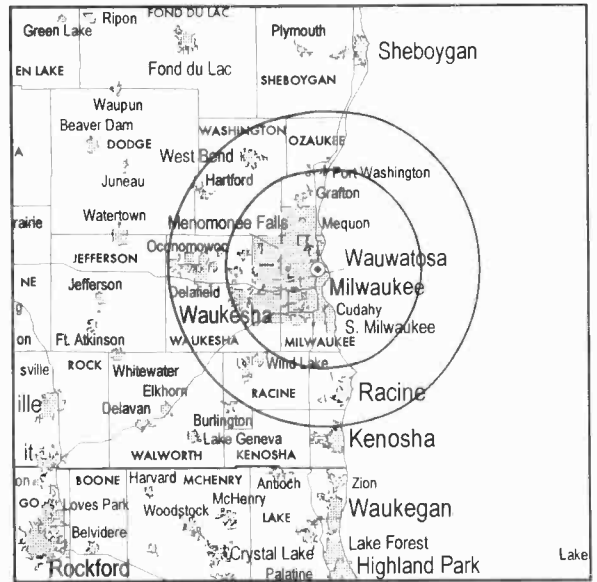
ARBITRON METRO AREA



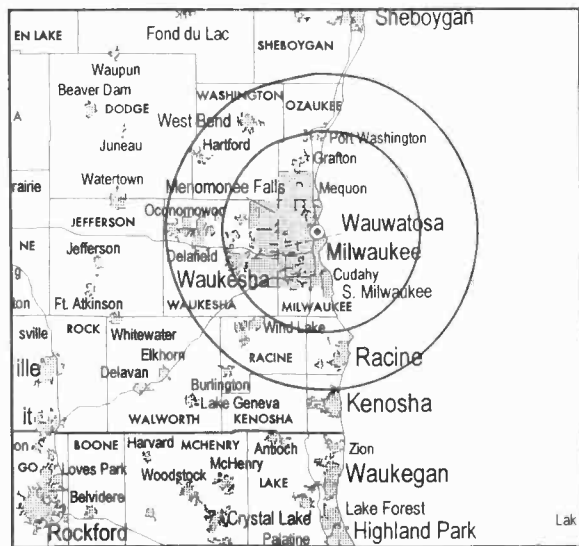
WJZI	93.3	12.5/990
WMIL	106.1	13.1/976



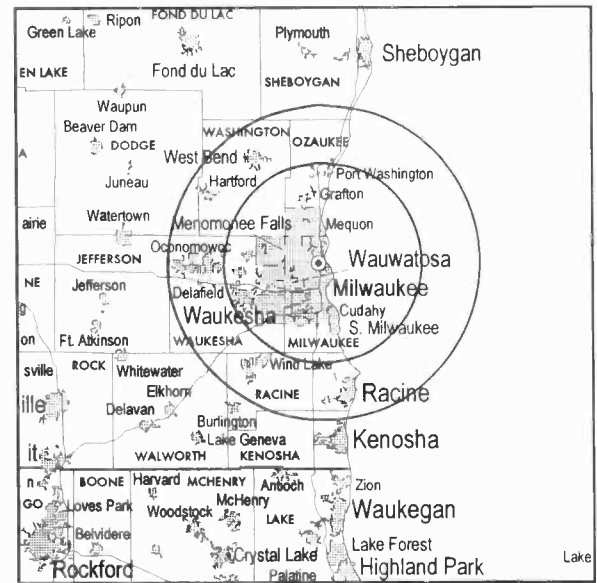
WKTI	94.5	15.5/911
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WZTR	95.7	34/610
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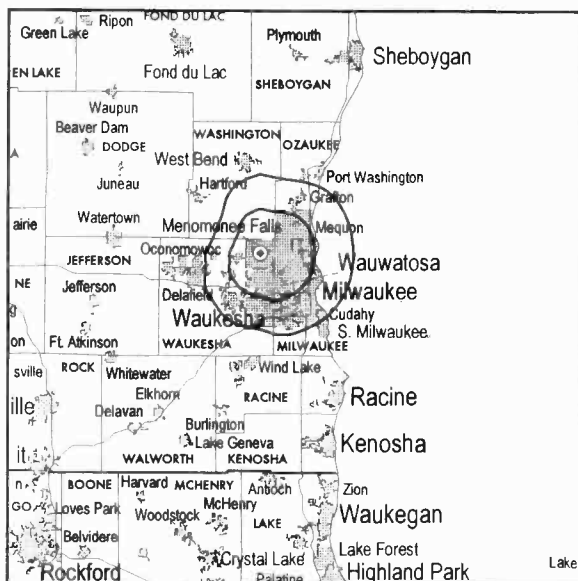


WKLH	96.5	20/807
WAMG	103.7	19.5/840

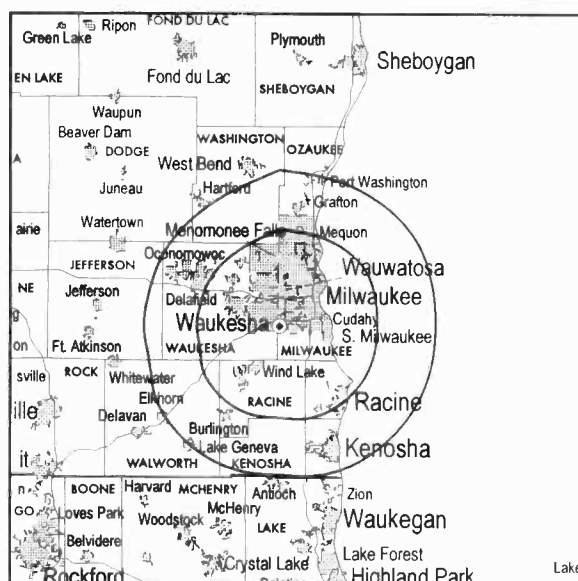


MLTQ	97.3	15.5/911
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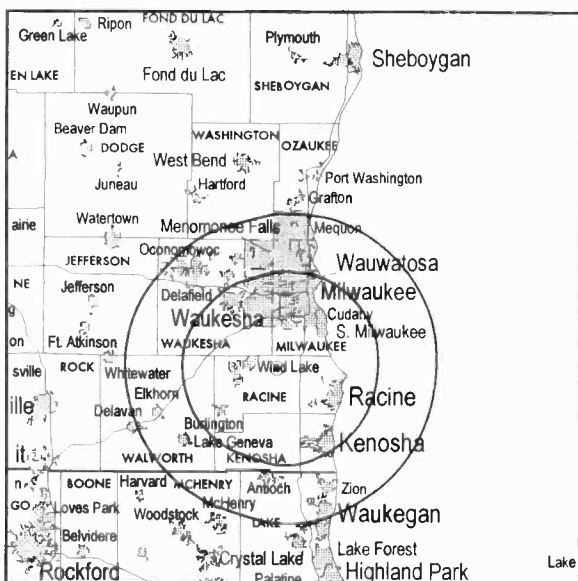
MILWAUKEE



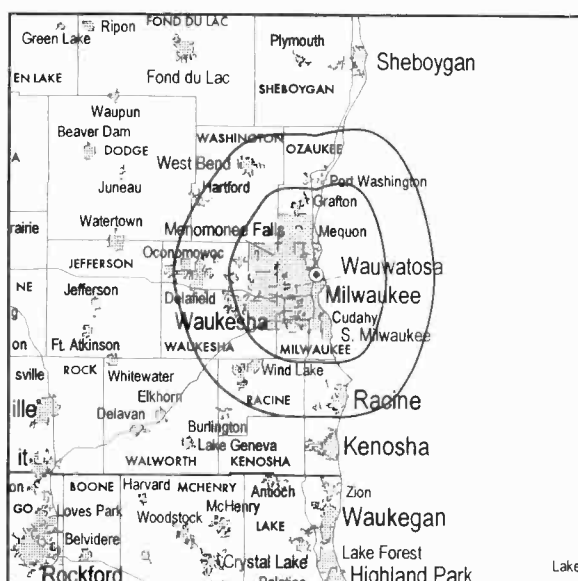
WFMR 98.3 6/292



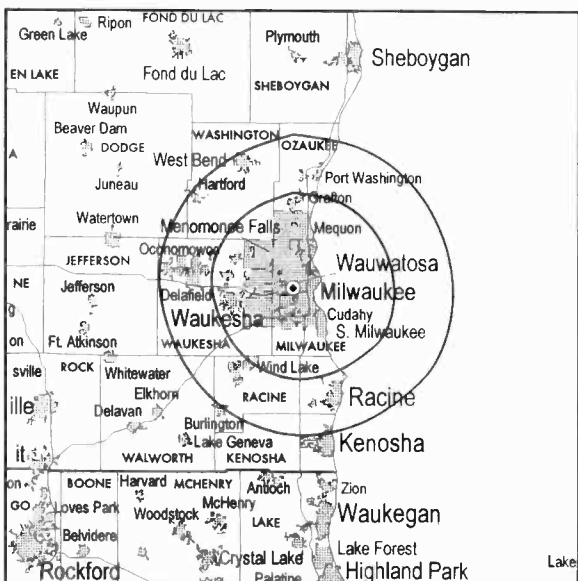
WMYX 99.1 50/448



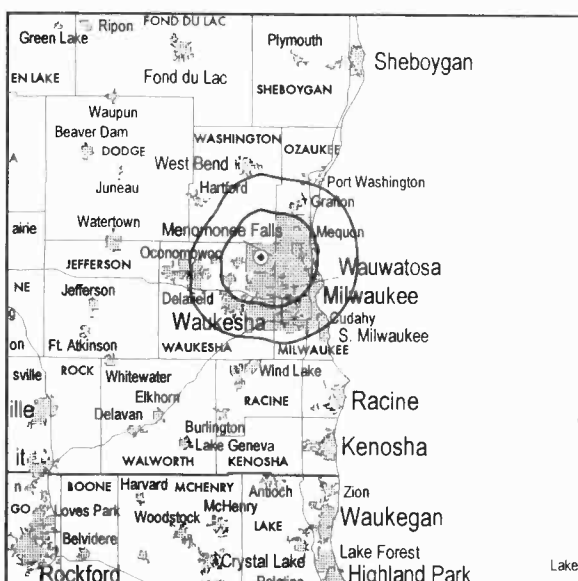
WKKV 100.7 50/500



WLUM 102.1 20/761



WLZR 102.9 50/436



WFMI 106.9 6/328

MINNEAPOLIS - ST. PAUL

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KQRS Ch. 2/9/17/23/29 tower, 550 Gramsie Rd., Shoreview, MN (Shoreview master antenna) City of License: Golden Valley, MN	L	92.5	C	100.00	No	1035	315	1466	43 03 30	93 07 27
KEGE Shoreview master antenna City of License: Minneapolis, MN	L	93.7	C	100.00	No	1035	315	1466	43 03 30	93 07 27
KSTP Ch. 4/5/11 tower, 960 W County Rd. F, Shoreview, MN City of License: St. Paul, MN	L	94.5	C	100.00	No	1220	372	1375	45 03 45	93 08 22
KTCZ Shoreview master antenna City of License: Minneapolis, MN	L	97.1	C	100.00	No	1035	315	1466	43 03 30	93 07 27
WBOB Ch. 2/9/17/23/29 tower, Shoreview, MN City of License: Minneapolis, MN	L	100.3	C1	100.00	No	922	281	1466	43 03 30	93 07 27
KDWB Shoreview master antenna City of License: Richfield, MN	L	101.3	C	100.00	No	1035	315	1466	43 03 30	93 07 27
KEEY Shoreview master antenna City of License: St. Paul, MN	L	102.1	C	100.00	No	1035	315	1466	43 03 30	93 07 27
WLTE Shoreview master antenna City of License: Minneapolis, MN	L	102.9	C	100.00	No	1035	315	1466	43 03 30	93 07 27
KMJZ Shoreview master antenna City of License: St. Louis Park, MN	L	104.1	C1	89.00	No	1035	315	1466	43 03 30	93 07 27
KREV 4272 170th St. W., Empire Twp., Dakota County, MN, between Rosemount and Farmington, MN City of License: Lakeville, MN Note: Simulcast on WREV 105.3 Cambridge	L	105.1	A	2.60	Yes	499	152	500	44 42 05	93 09 02
WREV Emerson Ave., 0.5 mi. NW of Cambridge, MN City of License: Cambridge, MN Note: Simulcasts KREV 105.1 Lakeville, MN	L	105.3	C3	25.00	No	299	91	328	45 34 40	93 12 56
KQQL 9 mi. N of Anoka, MN, E of MN 47, Anoka County, MN City of License: Anoka, MN	L	107.9	C	100.00	No	1090	332	1139	45 20 12	93 23 28

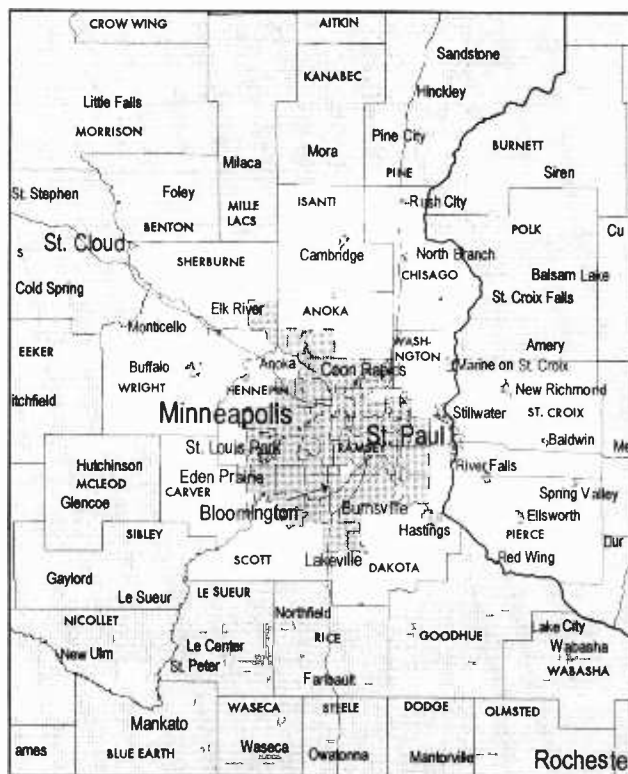
MINNEAPOLIS - ST. PAUL

Market overview/update: A number of significant changes since our last edition. Ten of the market's FM stations are now co-located on one tower in the Shoreview area, which has done much to lessen the intermodulation interference prevalent when these stations were scattered at several sites. Nine stations (eight Class C stations and one C1) now transmit from a master antenna which was installed in 1991. Two of the nine are non-commercial stations owned by Minnesota Public Radio (KSJN and KNOW). The six commercial Class C stations are KQRS, KEGE, KTCZ, KDWB, KEEY and WLTE). Each of the Class C stations on this antenna has the same theoretical coverage. KMJZ recently began transmitting from the master antenna as a C1 with 89-kw. It had been a full Class C operating from a tower site well to the east of the metro, in Wisconsin. Its coverage from Shoreview is vastly improved. WBOB (formerly non-commercial WCTS) now transmits from this tower also, as a C1 with 100-kw at the 922' level.

The move to Shoreview was a major upgrade for KQRS, KEGE, KDWB, KEEY and KSJN (formerly KLOL). Each had operated with restricted power (50-kw) from atop the IDS Tower in downtown Minneapolis between 1979 and 1991. The move to the Shoreview was an even more significant upgrade for KTCZ, which previously operated from a 300' AM tower on the west side of Minneapolis. WLTE, previously on the adjacent Ch. 4/5/11 tower, also switched to the master. Its theoretical coverage is very similar to its former pattern.

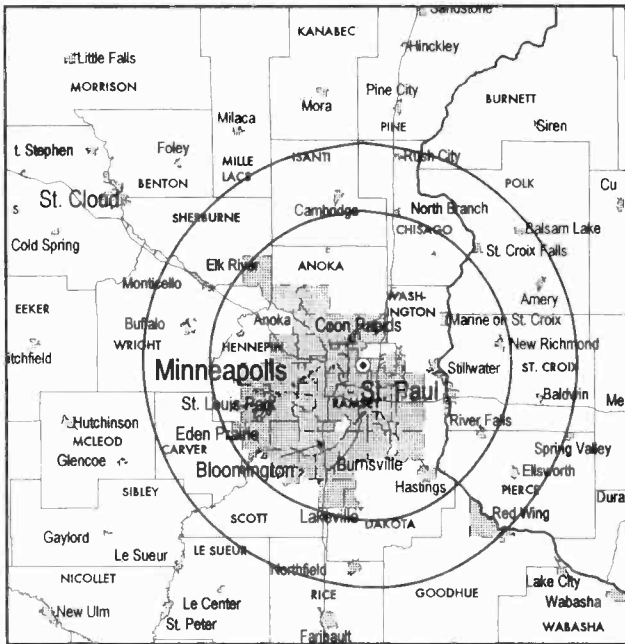
Other changes: KQQL has switched from directional to non-directional operation, a significant change because KQQL's former directional pull-in was over Minneapolis. There is an interesting simulcast in the market, with KREV, an A from the north on 105.1 and WREV, a C3 from the south on 105.3, the first adjacent channel.

Interesting side note: While the former WCTS became WBOB and converted to commercial operation, WLOL switched from commercial to non-commercial operation. Thus the net gain in C Class commercial FM signals was zero.

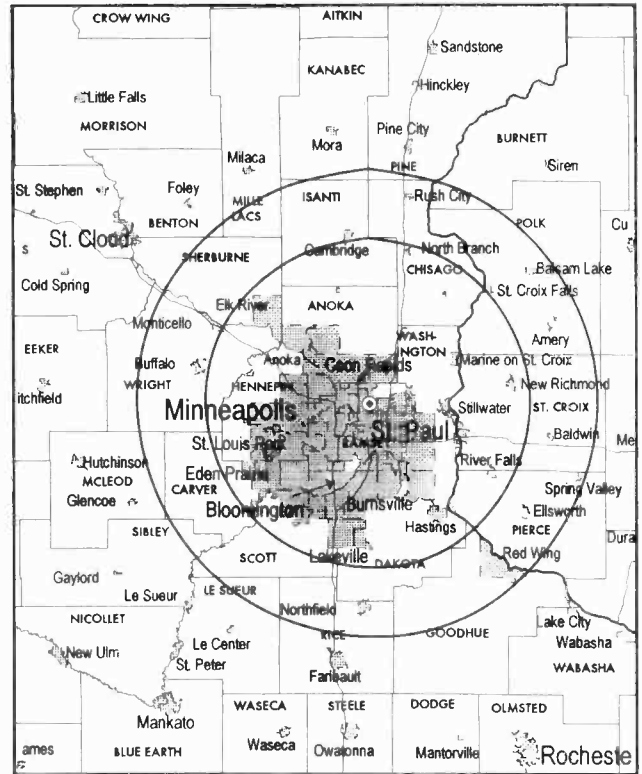


ARBITRON METRO AREA

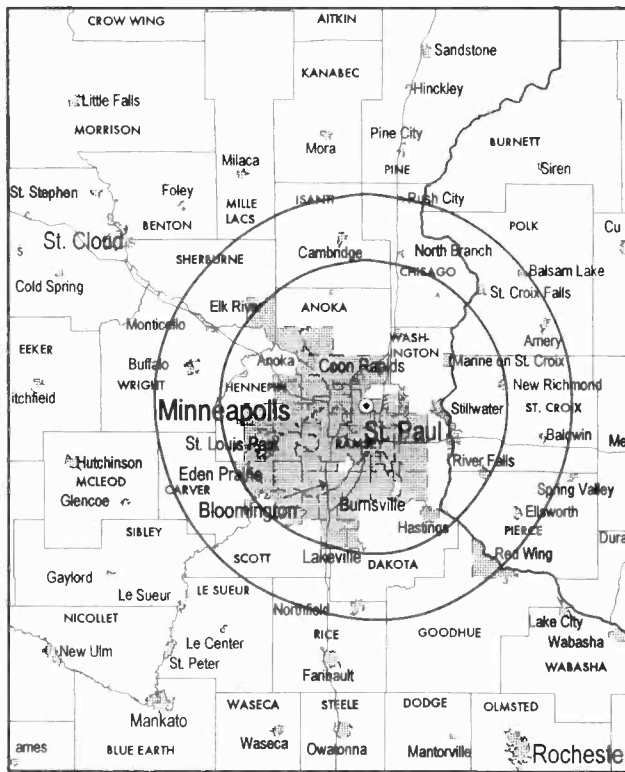
MINNEAPOLIS - ST. PAUL



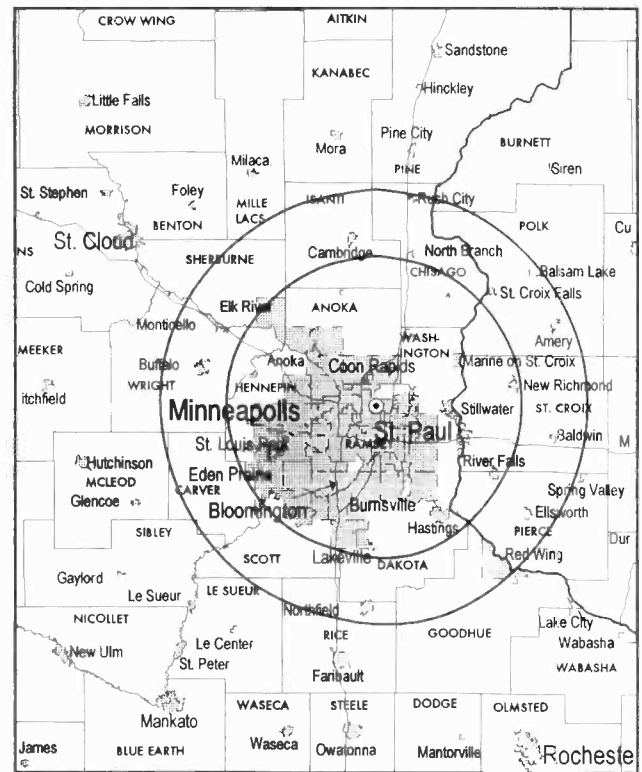
KQRS	92.5	100/1035
KEGE	93.7	100/1035
KTCZ	97.1	100/1035
KDWB	101.3	100/1035
KEEY	102.1	100/1035
WLTE	102.9	100/1035



KSTP	94.5	100/1220
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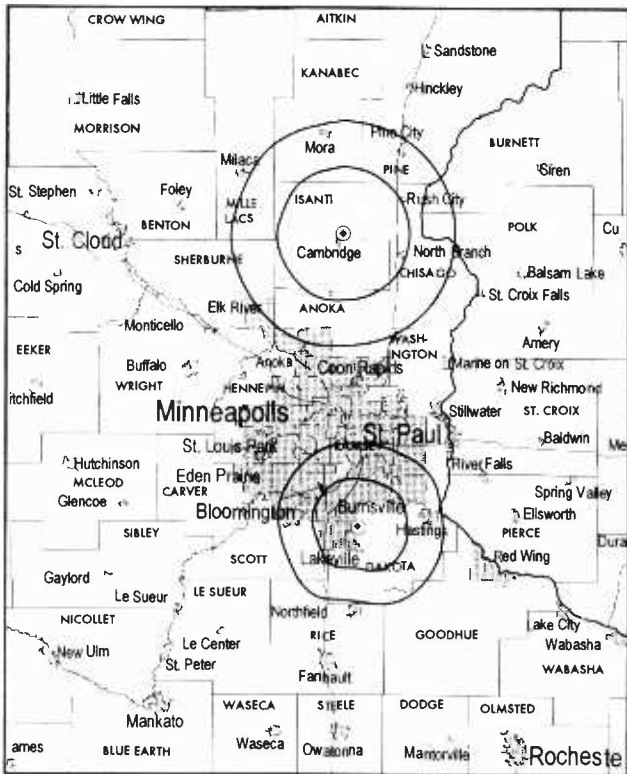


WBOB	100.3	100/922
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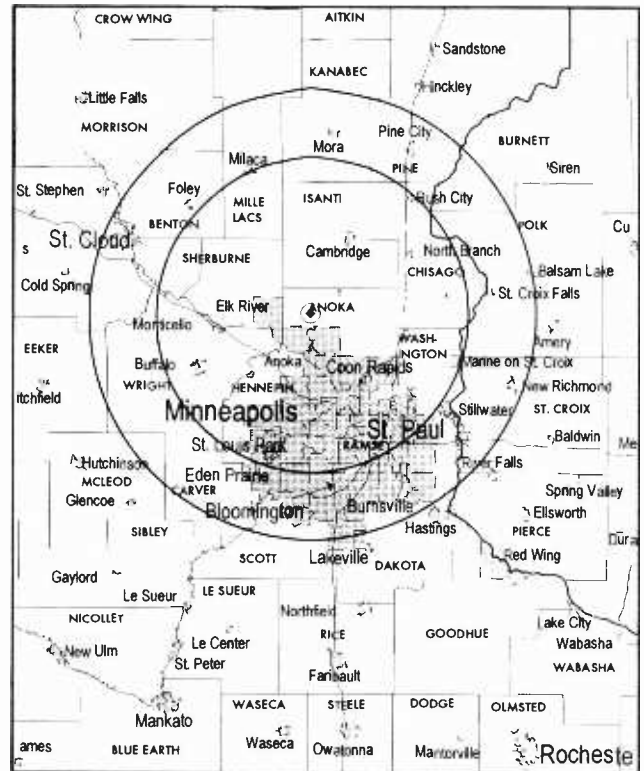


KMJZ	104.1	89/1035
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MINNEAPOLIS - ST. PAUL



KREV	105.1	2.6/499
WREV	105.3	25/299



KQQ	107.9	100/1090
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MOBILE

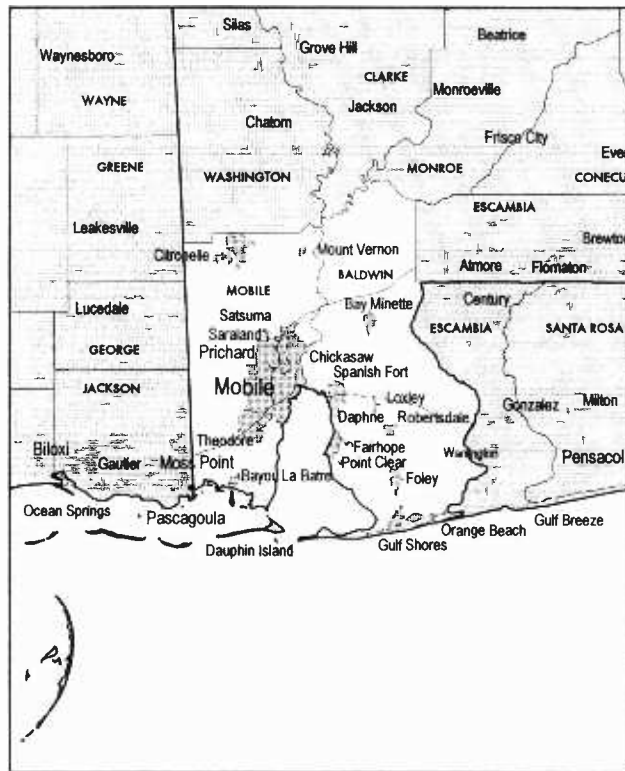
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WG CX Atop 1st National Bank Bldg., 107 St. Francis St., downtown Mobile City of License: Fairhope, AL	L	92.1	C3	13.50	No	450	137	502	30 41 33	88 02 29
WBLX Four-station FM antenna on Ch. 15 tower, Wilcox Rd., S of I-10, 5.6 mi. E of Loxley, AL City of License: Mobile, AL	L	92.9	C	100.00	No	1555	474	1707	30 37 35	87 38 50
WMEZ Three-station FM antenna on Ch. 44 tower, AL 87, 1 mi. S of I-10, Elsanor, AL City of License: Pensacola, FL	L	94.1	C	100.00	No	1328	405	1489	30 35 18	87 33 16
WKSJ Diplexed with WBLX 92.9, WWRO 100.7 and WDWG 104.1 City of License: Mobile, AL	L	94.9	C	100.00	No	1555	474	1707	30 37 35	87 38 50
WRKH Ch. 5 tower, 0.8 mi. N of US 31, near Malbis, AL City of License: Mobile, AL	L	96.1	C	100.00	No	1342	409	1880	30 41 20	87 49 49
WABB On tower with WRKH 96.1 City of License: Mobile, AL	L	97.5	C	100.00	No	1552	473	1880	30 41 20	87 49 49
WDLT 0.5 mi. W of McFarland Rd., 1.7 mi SSW of Dawes, Mobile County, AL City of License: Chickasaw, AL	L	98.3	C2	40.00	Yes	548	167	500	30 35 05	88 15 57
WMXC On tower with WRKH 96.1 City of License: Mobile, AL	L	99.9	C	100.00	No	1755	535	1880	30 41 20	87 49 49
WWRO Diplexed with WBLX 92.9, WKSJ 94.9 and WDWG 104.1 City of License: Pensacola, FL	L	100.7	C	100.00	No	1555	474	1707	30 37 35	87 38 50
WTKX Diplexed with WMEZ 94.1 City of License: Pensacola, FL	L	101.5	C	100.00	No	1328	405	1489	30 35 18	87 33 16
WXBM On tower with WMEZ 94.1 City of License: Milton, FL	L	102.7	C	100.00	No	1328	405	1489	30 35 18	87 33 16
WDWG Diplexed with WBLX 92.9, WKSJ 94.9 and WWRO 100.7 City of License: Atmore, AL	L	104.1	C	100.00	No	1555	474	1707	30 37 35	87 38 50
WYOK Gaston Loop Rd., 6 mi. NW of Grand Bay, AL, 1.5 mi. E of AL/MS line City of License: Moss Point, MS	L	104.9	C2	33.00	No	600	183	620	30 34 08	88 22 48
WNSP 7 mi SW of Bay Minette on AL 225, 1 mi. SW of junction with AL 138 City of License: Bay Minette, AL	L	105.5	A	5.30	No	348	106	253	30 49 34	87 51 52

MOBILE

WAVH L 106.5 C2 50.00 No 449 137 492 30 44 44 88 05 40
 WKSJ-AM 1270 tower, Whistler Ave. and William St., Pritchard, AL
 City of License: Bay Minette, AL

WOWW L 107.3 C 100.00 No 1407 429 1389 30 42 20 87 24 09
 Near junction of Rt. 182 and Barrineau School Road, Barrineau Park, FL
 City of License: Pensacola, FL

Market overview/update: Several noteworthy changes since our first edition: WKSJ, for many years the market leader while running from a 400' tower, finally upgraded to the 1700' Ch. 17 tower. WGCX (formerly WZEW), which had been a Class A across Mobile Bay in Fairhope, upgraded to C3 power from atop the tallest building in downtown Mobile. WDLT, which had been a Class A on the west side of Mobile, upgraded to C2 status with 40-kw. WRKH (formerly WMYC & WAVH) moved up more than 200' farther up on the Ch. 5 tower. WTKX Pensacola moved from a 400' tower in Milton, FL to the Ch. 44 tower in the easternmost section of the Mobile-Pensacola antenna farm, and can now be heard well in Mobile. Three new signals entered the Mobile market. Easily the strongest is the 106.5 signal licensed to Bay Minette, WAVH. It now runs 50-kw from the WKSJ-AM tower, from which WKSJ-FM also transmitted until 1991. WYOK Moss Point, MS, has managed to crack the top 10 in Mobile with 33-kw from a 620' tower (Class C2) just inside the Alabama border west of Mobile. WNSP, a Class A also licensed to Bay Minette, has built a 6-kw facility to to the northeast of Mobile.



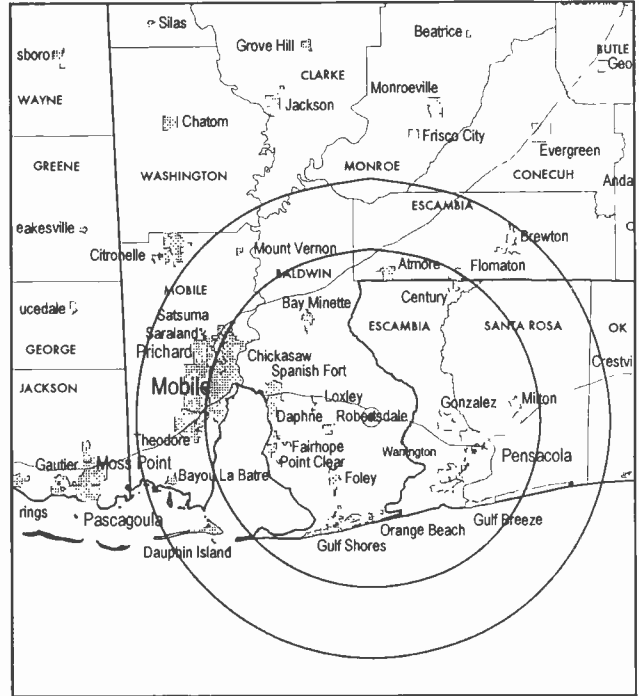
ARBITRON METRO AREA

MOBILE



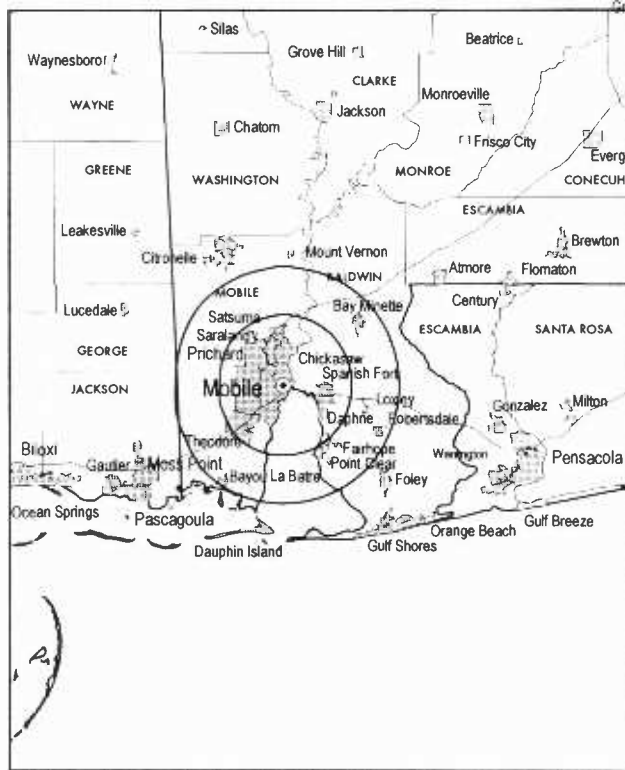
CH. 15 TOWER MASTER ANTENNA

WBLX	92.9	100/1555
WKSJ	94.9	100/1555
WWRO	100.7	100/1555
WDWG	104.1	100/1555



CH. 44 TOWER MASTER ANTENNA

WMEZ	94.1	100/1328
WTKX	101.5	100/1328
WXBM	102.7	100/1328



WGXC

92.1

13.5/450

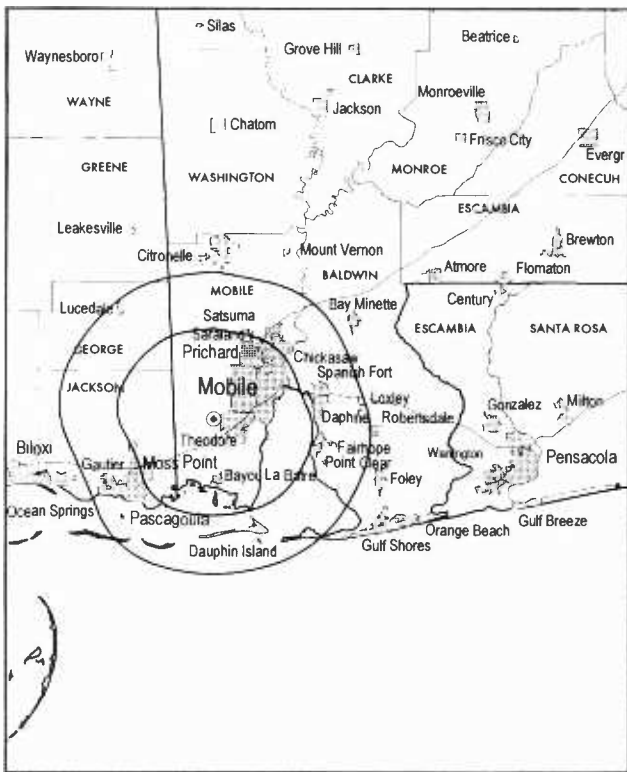
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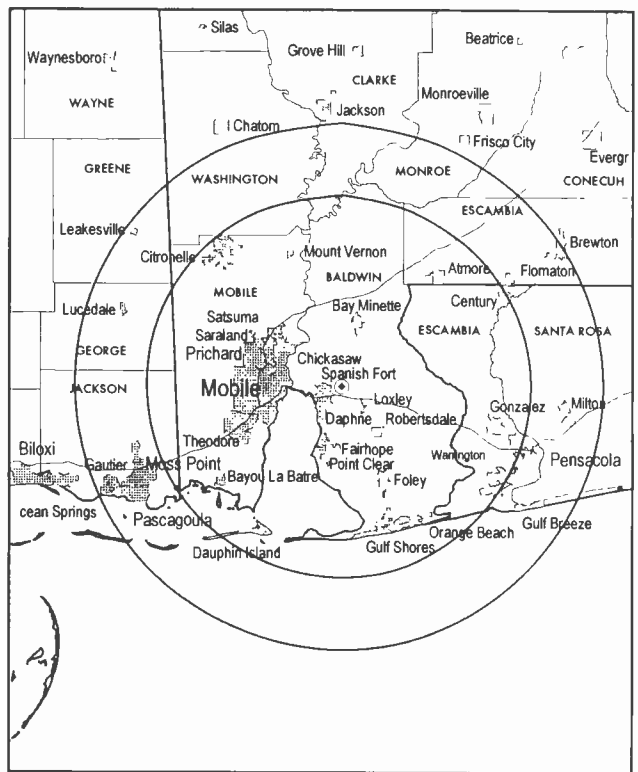
WRKH 96.1 100/1342



WABB 97.5 100/1552

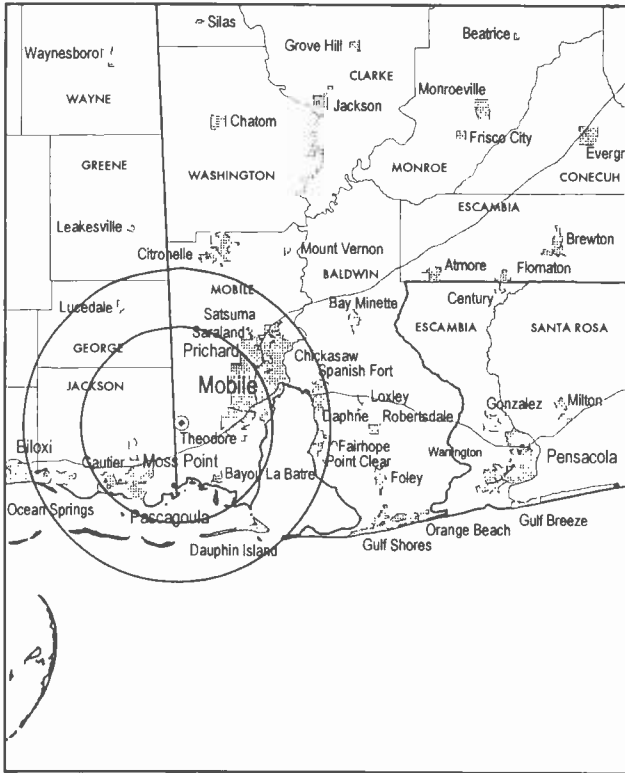


WDLT 98.3 40/548

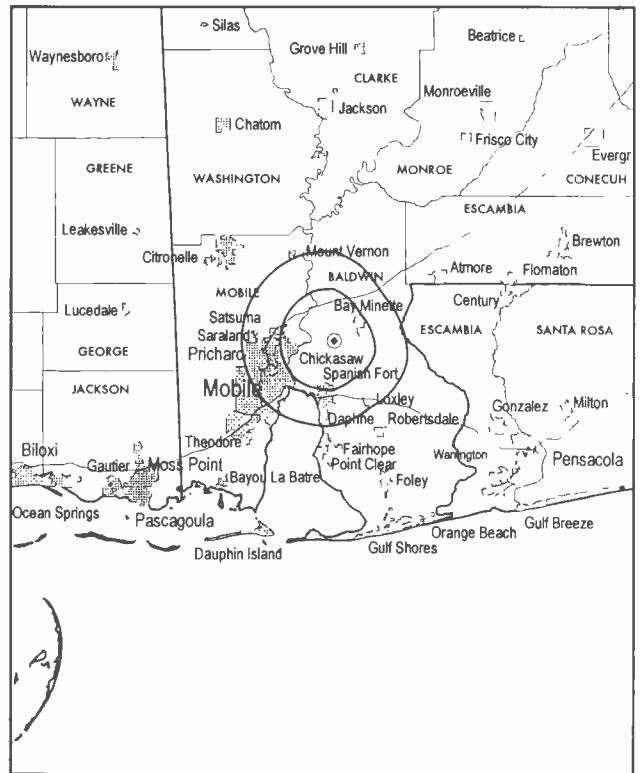


WMXC 99.9 100/1755

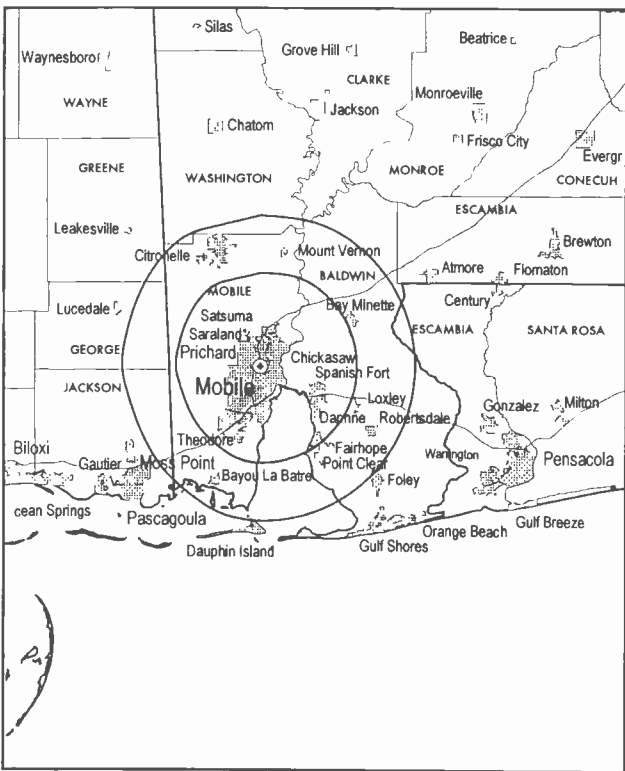
MOBILE



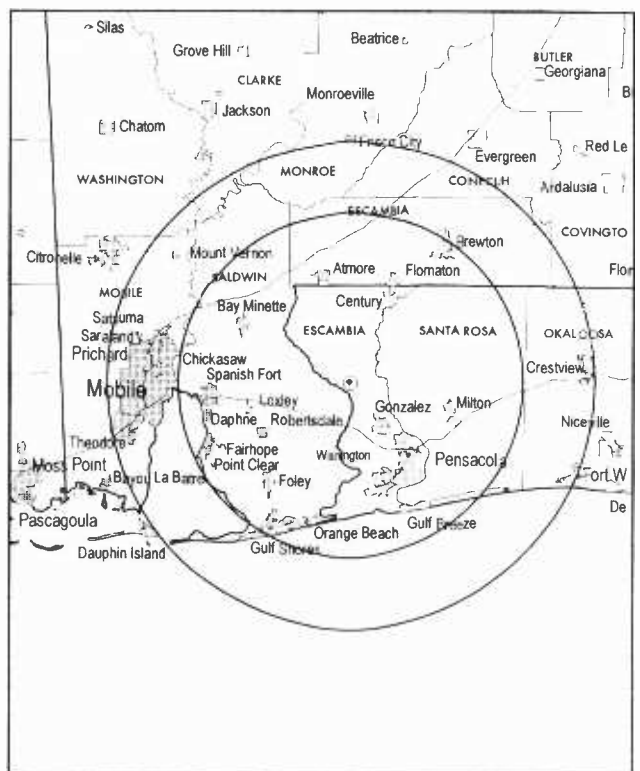
WYOK 104.9 33/600



WNSP 105.5 5.3/348



WAVH 106.5 50/449



WOWW 107.3 100/1407

MONMOUTH - OCEAN, NJ

Call	Lic/CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WOBM US 9 and Harbor Inn Rd., Bayville City of License: Toms River, NJ	L	92.7	A	1.40	No	485	148	498	39 52 30	74 09 52
WJLK Adjacent to WJLK-AM 1310, NNE of the intersection of NJ 66 & Jumping Brook Rd., Tinton Falls, NJ City of License: Asbury Park, NJ Note: Simulcast on WQNJ 98.5	L	94.3	A	1.31	No	499	152	471	40 13 45	74 05 24
WRAT 1731 F St., South Belmar City of License: Point Pleasant, NJ	L	95.9	A	4.00	No	240	73	299	40 10 17	74 01 39
WQNJ Harpoon Drive, just SW of Garden State Pkwy interchange 67 (with NJ 534), Barnegat Estates, Ocean Acres, NJ City of License: Ocean Acres, NJ Note: Simulcast on WJLK-FM 94.3	L	98.5	A	6.00	Yes	328	100	308	39 45 06	74 15 39
WJRZ Wycaoff St., W of US 9, 0.5 mil. S of Waretown City of License: Manahawkin, NJ	L	100.1	A	1.60	No	450	137	479	39 47 53	74 12 12
WHTG 1129 New Hope Rd., Tinton Falls City of License: Eatontown, NJ	L	106.3	A	3.90	No	232	71	204	40 16 10	74 04 19
WZVU 156 Broadway, Long Branch City of License: Long Branch, NJ	L	107.1	A	2.30	No	372	113	400	40 18 17	73 59 08

Market overview/update: Few changes, one new Class A. WADB and WHTG were able to increase power at their existing tower sites within the new Class A 6-kw envelope. WQNJ is a new Class A in the southern portion of Ocean County, which simulcasts WJLK.

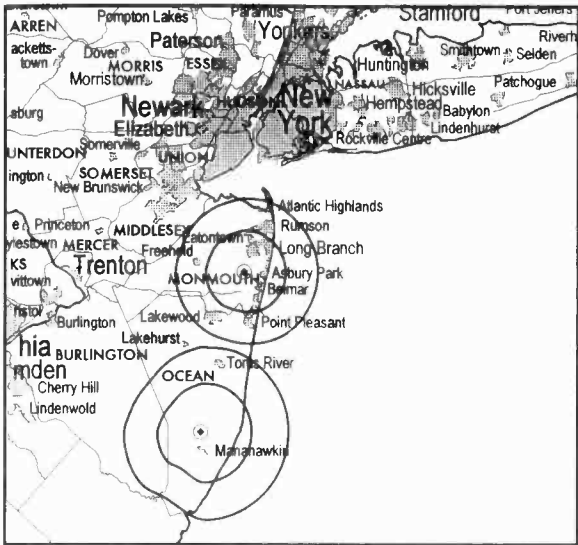


ARBITRON METRO AREA



WOBM 92.7 1.4/485

MONMOUTH - OCEAN, NJ



WJLK 94.3 1.31/499
WQNJ 98.5 6/328



WRAT 95.9 4/240



WJRZ 100.1 1.6/450



WHTG 106.3 3.9/232



WZVU 107.1 2.3/372

MONTEREY - SALINAS - SANTA CRUZ

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KRQC Hidden Hills Comm. Site, 10805 Saddle Rd. (4WD road), 4 mi. ESE of Monterey Airport, in hills S of Laguna Seca and CA 68 City of License: Marina, CA	L	92.7	B1	6.90	No	620	189	233	36 33 09	121 47 17
KAXT Ch. 35 tower, Fremont Peak, 10 mi. NE of Salinas City of License: Hollister, CA	L	93.5	A	0.11	No	2260	689	354	36 45 22	121 30 05
KLFA 5 mi. N of Greenfield, 1.5 mi. N of Metz-Soledad Rd. City of License: King City, CA	L	93.9	B1	5.40	No	702	214	267	36 22 48	121 12 57
KBOQ Hidden Hills Communications Site City of License: Carmel, CA	L	95.5	A	1.70	No	630	192	233	36 33.09	121 47 17
KWAV Ch. 46 tower, Baldy Peak, 1 mi. W of Mt. Toro, in mountain range S of Salinas City of License: Monterey, CA	L	96.9	B+	18.00	No	2450	747	225	36 32 05	121 37 14
KLOK KQKE-AM 700 tower, 2.8 mi. NE of Soledad City of License: Greenfield, CA	L	99.5	B	30.00	No	640	195	289	36 27 51	121 17 52
KTOM Ch. 46 tower with KWAV 96.9 City of License: Salinas, CA	L	100.7	B	1.40	No	2385	727	225	36 32 05	121 37 14
KXDC Hidden Hills Communications Site City of License: Carmel, CA	L	101.7	A	2.35	No	528	161	233	36 33 09	121 47 17
KDON Ch. 8 auxiliary tower, Fremont Peak, 10 mi NE of Salinas City of License: Salinas, CA	L	102.5	B+	18.50	No	2270	692	251	36 45 23	121 30 05
KRAY In hills 5 mi. E of Salinas, 1.4 mi. NE of junction of Zabala and Old Stage Roads City of License: Salinas, CA	L	103.5	A	2.50	No	512	156	125	36 40 20	121 31 28
KMBY 32650 Johnson Canyon Rd., 5 mi. NE of Gonzales City of License: Gonzales, CA	L	104.3	A	6.00	No	328	100	121	36 33 26	121 22 46
KOCN Hidden Hills Communications Site City of License: Pacific Grove, CA	L	104.9	A	1.80	No	600	183	233	36 33 09	121 47 17
KOCNCP Rural mountain area, 2 mi. N of Village of Carmel Valley City of License: Pacific Grove, CA	C	105.1	B1	4.20	No	791	241		36 30 38	121 43 57

MONTEREY - SALINAS - SANTA CRUZ

KVRG L 107.1 A 1.85 No 587 179 233 36 33 09 121 47 17

Hidden Hills Communications Site

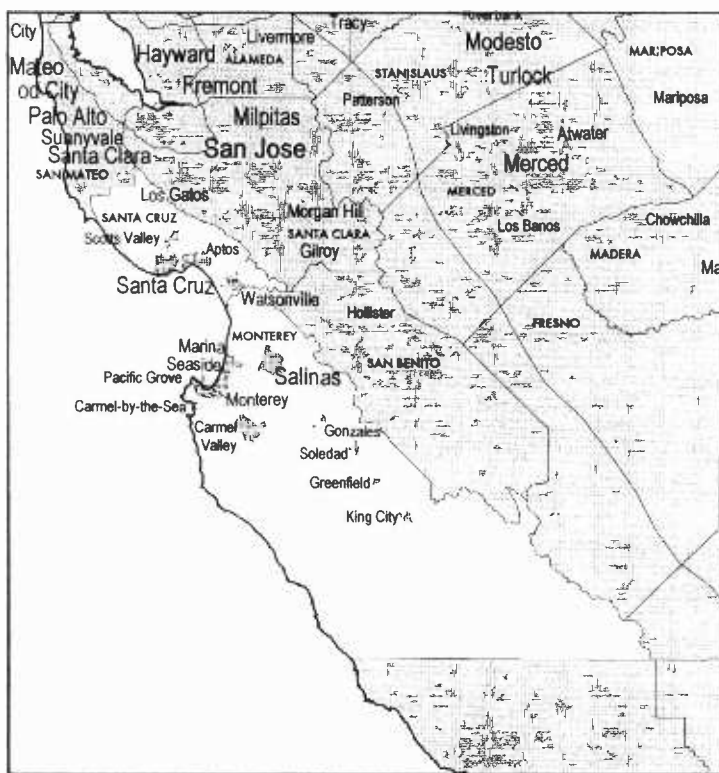
City of License: Seaside, CA

KPIG L 107.5 A 2.85 No 335 102 55 36 50 06 121 42 22

525 Strawberry Canyon Rd., 6 mi. S of Watsonville (El. 531')

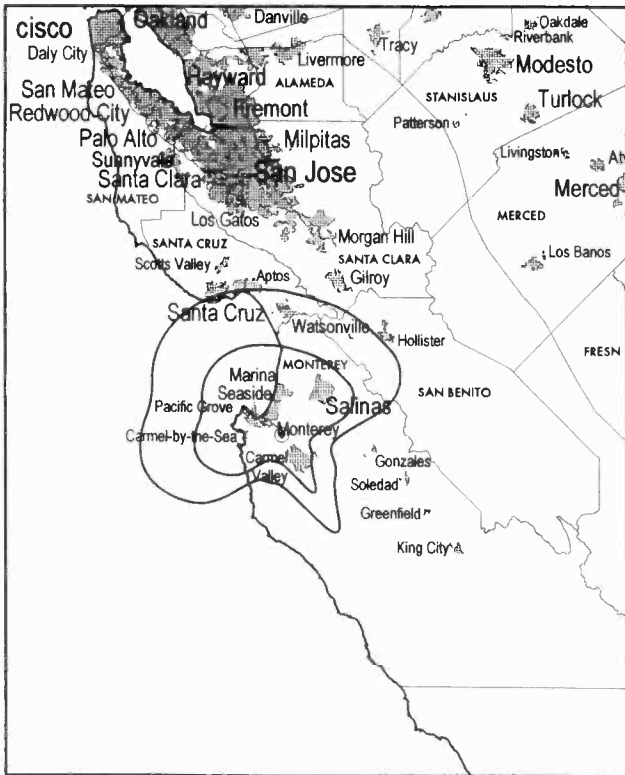
City of License: Freedom, CA

Market overview/update: Home to one of the most varied assortments of FM signals in the country. A spread-out, multi-city market where no one of the three major population centers totally dominates the market. Two grandfathered "superpower" signals (KDON and KWAV) more-or-less define the market, and are the only stations whose city-grade contours reach Salinas, Monterey and Santa Cruz. KTOM is a standard power B covering somewhat less. There are also 10 stations in the lower power classes. Each is situated in the hills and mountains surrounding the metro, allowing each operation to cover more than the "normal" coverage for its power class. Five stations in the market transmit from the Hidden Hills Communications Site, east of the Monterey Airport and south of the Laguna Seca sports car track. The site is positioned such that a Class A can provide city-grade service to Monterey, Salinas and Carmel. The four Class A stations, KAXT, KOCN, KVRG and KBOQ, have been able to increase their power/antenna height configurations within the new 6-kw power envelope since our last edition. One station at the site, WRQC, has upgraded to Class B1 power. KXDC Hollister operates from atop Fremont Peak on a tower adjacent to KDON, but as an A is only allowed 110 watts at this height. KRAY Salinas has completed a major upgrade. Though still a Class A, it now has significantly greater coverage from a site in the hills east of Salinas. KPIG is an A on a hill south of Watsonville. KLFA, KLOK and KKLK transmit from hillside sites south and east of Salinas. KYLZ and KUFX transmit to substantial portions of the metro from atop Loma Prieta Peak at the crest of the Coastal Range between Santa Cruz and San Jose.

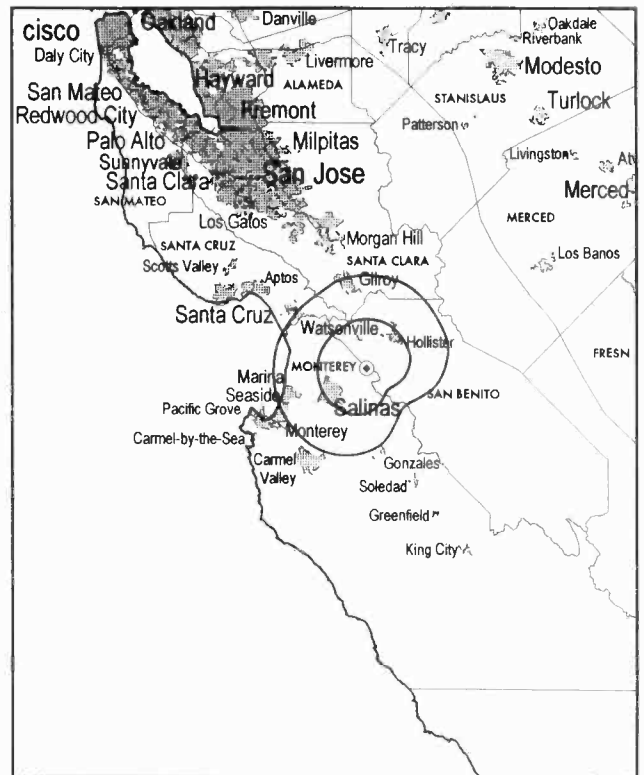


ARBITRON METRO AREA

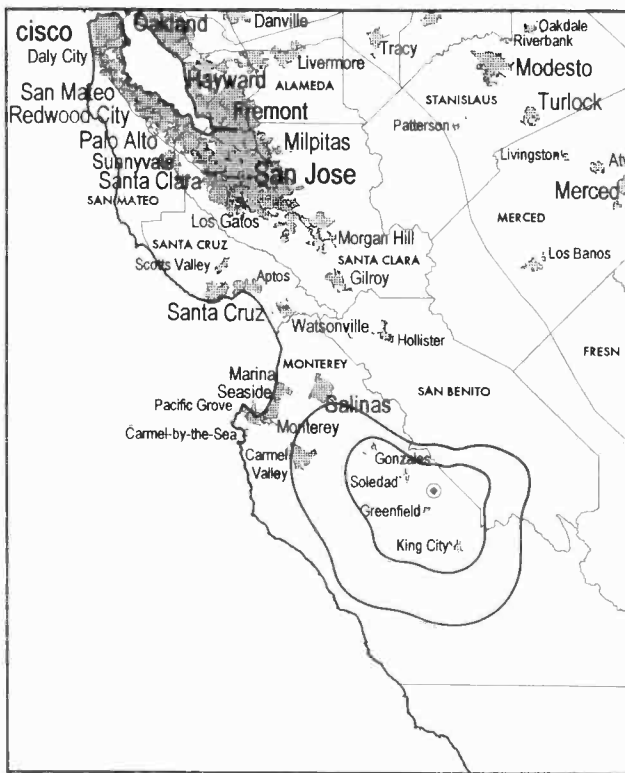
MONTEREY - SALINAS - SANTA CRUZ



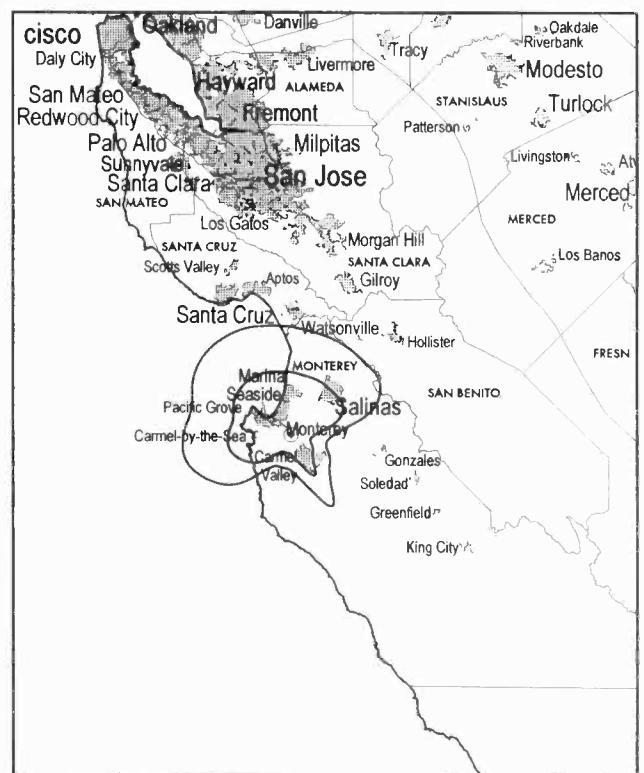
KRQC 92.7 6.9/620



KAXT 93.5 110w/2260



KLFA 93.9 5.4/702



KBOQ 95.5 1.7/630

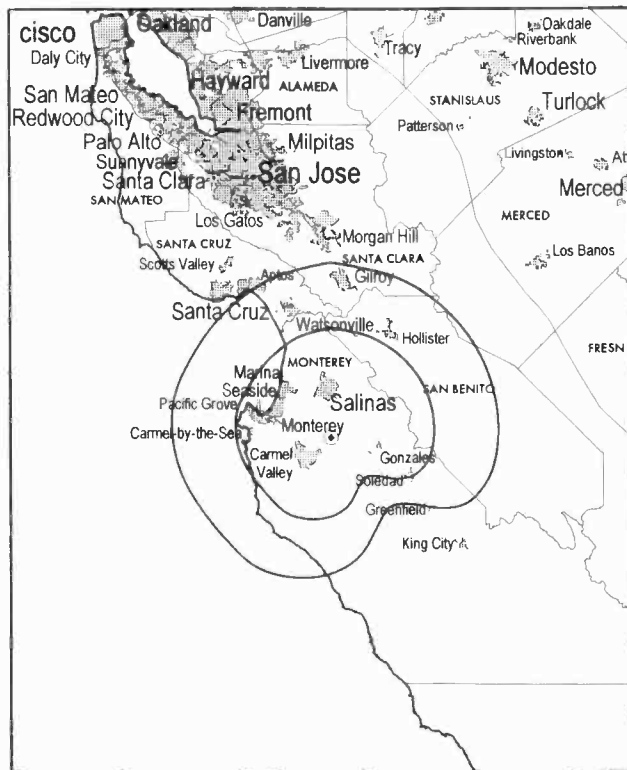
MONTEREY - SALINAS - SANTA CRUZ



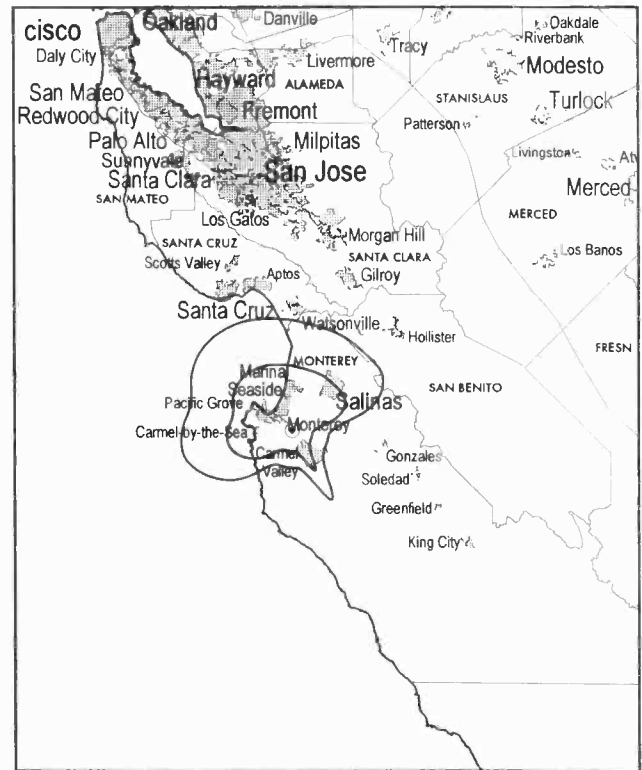
KWAV 96.9 18/2450



KLOK 99.5 30/640



KTOM 100.7 1.4/2385



KXDC 101.7 2.35/528

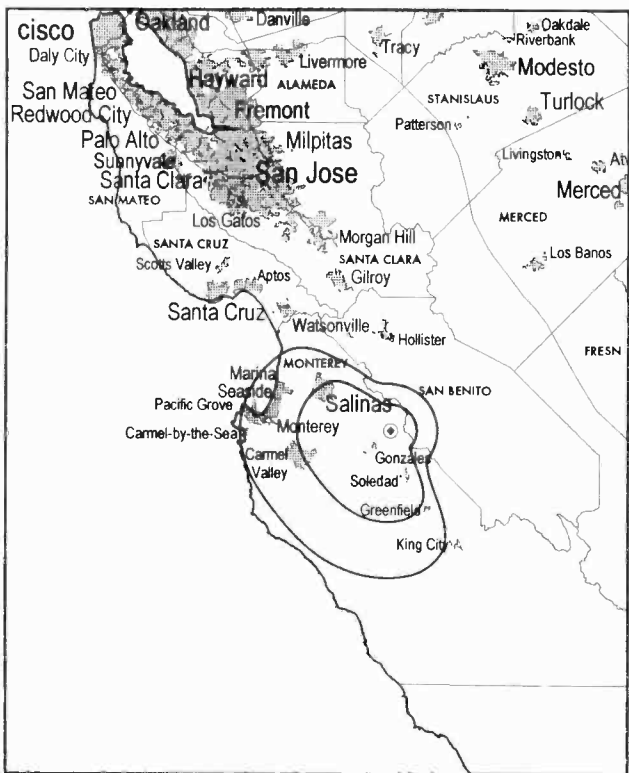
MONTEREY - SALINAS - SANTA CRUZ



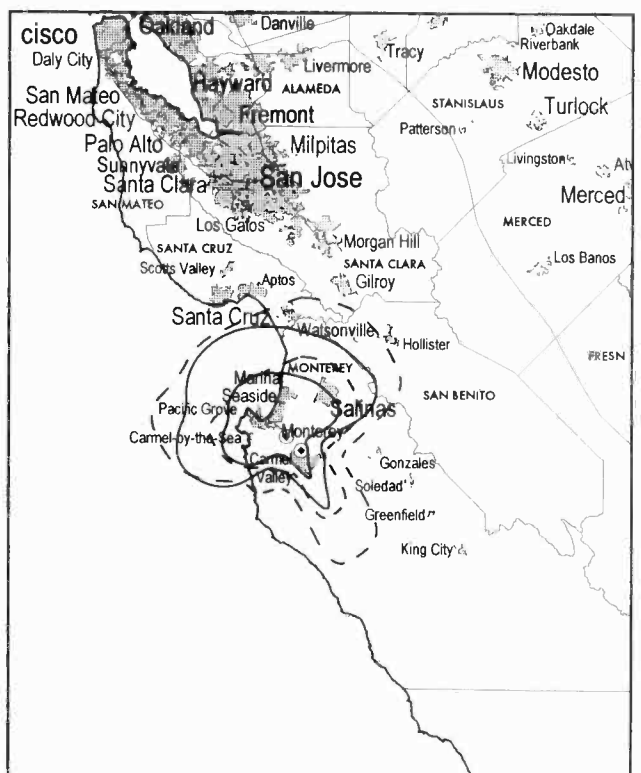
KDON 102.5 18.5/2270



KRAY 103.5 2.5/512



KMBY 104.3 6/328



KOCN 104.9 1.8/600
KOCN CP 105.1 4.2/791

MONTEREY - SALINAS - SANTA CRUZ



KVRG

107.1

1.85/587



KPIG

107.5

2.85/335

NASHVILLE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WQQK 1348 Campbell Rd., 0.6 mi. W of Old Dickerson Rd., Goodlettsville City of License: Hendersonville, TN	L	92.1	A	3.00	No	463	141	198	36 17 50	86 45 11
WJXA 8072 Old Charlotte Rd., near intersection with Buffalo Rd., on Sullivan Ridge City of License: Nashville, TN	L	92.9	C	100.00	No	1053	321	803	36 07 14	86 58 07
WRLG 494 Old Nashville Hwy., La Verne, TN City of License: Smyrna, TN	L	94.1	A	3.90	No	236	72	161	35 59 43	86 33 29
WSM Ch. 4 tower, 5700 Knob Rd., Nashville City of License: Nashville, TN	L	95.5	C	100.00	No	1286	390	1369	36 08 27	86 51 56
WRMX NW of junction of Lone Oak Rd. & Couchville Pike, near Gladeville City of License: Murfreesboro, TN	L	96.3	C1	100.00	Yes	826	252	787	36 05 07	86 26 22
WRMX CP Ch. 30 tower, above WRVW 107.5 City of License: Murfreesboro, TN	C	96.3	C1	52.00	Yes	1286	392	1249	36 15 50	86 47 38
WSIX Ch. 2 tower, 1406 Old Hickory Blvd., S of Nashville City of License: Nashville, TN	L	97.9	C	100.00	No	1145	349	942	30 02 49	86 49 49
WWTN 7200 Bret Hayes Rd., Rockvale, TN (6 mi. W of Murfreesboro) City of License: Manchester, TN	L	99.7	C	100.00	No	1296	395	1329	35 49 03	86 31 24
WRLT On tower with WKDF 103.3 and WLAC 105.9 City of License: Franklin, TN	L	100.1	A	0.20	No	1181	360	1223	36 02 08	86 50 56
WJCE Payne Hill, 2 mi. W of I-65/TN 25 interchange, Jernigan Town, Robertson Co., TN City of License: Russellville, KY	L	101.1	C1	47.00	No	1289	393	1325	36 31 36	86 41 14
WQZQ Off Old Metal Rd., 3.4 mi. NE of Cumberland Furnace, TN, 17 mi. NNE of Dickson City of License: Dickson, TN	L	102.5	C1	100.00	No	856	261	803	36 17 36	87 18 21
WMMU Atop McCord Knob, on Taliaferro Rd., 2.4 mi. ESE of Kirkland, Williamson Co., TN City of License: Shelbyville, TN	L	102.9	C1	100.00	No	810	247	603	35 48 01	86 37 17
WMMU CP Same as licensed site City of License: Shelbyville, TN	C	102.9	C1	100.00	No	820	250	630	35 48 01	86 37 17
WKDF Johnson Chapel Rd., S of Old Hickory Blvd., E of US 431, W of Brentwood, TN City of License: Nashville, TN	L	103.3	C	100.00	No	1233	376	1223	36 02 08	86 50 56

NASHVILLE

WGFX L 104.5 C1 49.00 Yes 1312 400 1179 36 16 05 86 47 16

Ch. 5 tower, Old Hickory Blvd. & Brick Church Pike, E of I-65

City of License: Gallatin, TN

WLAC L 105.9 C 100.00 No 1233 376 1223 36 02 08 86 50 56

Diplexed with WKDF 103.3

City of License: Nashville, TN

WRVW L 107.5 C1 58.00 No 1235 376 1249 36 15 50 86 47 38

Ch. 30 tower, S of I-24/Old Hickory Blvd. interchange, N of Nashville, W of I-65

City of License: Lebanon, TN

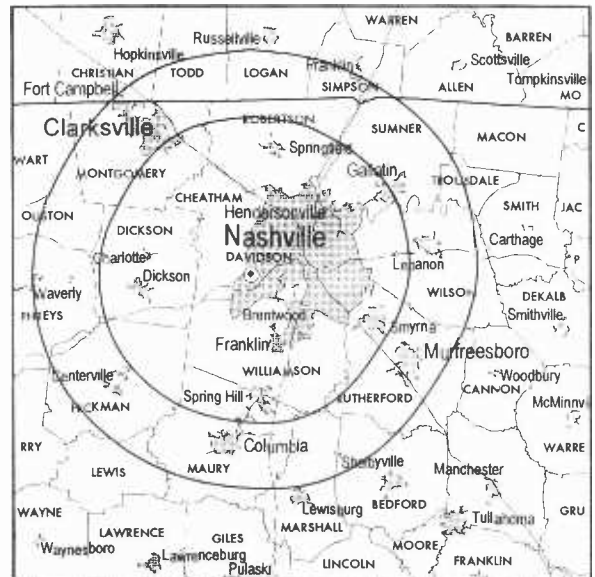
Market overview/update: Five new signals in five years. WWTN is now at full Class C power from its 1329' move-in tower just west of Murfreesboro. WJCE is running an overheight Class C1 (46-kw) operation from a 1325' tower near Cross Plains, north of Nashville. WYQC is now a 100-kw C1 operation from a hilltop location in Williamson County south of Nashville. WRLG is a new Class A transmitting from a site just southeast of the city. WQZQ, formerly a Class A in Dickson, has built an 800' tower for a 100-kw C1 Nashville move-in. WRMX holds a CP to move to the Ch. 30 tower, with coverage more nearly centered over the population.



ARBITRON METRO AREA



WQQK 92.1 3/463

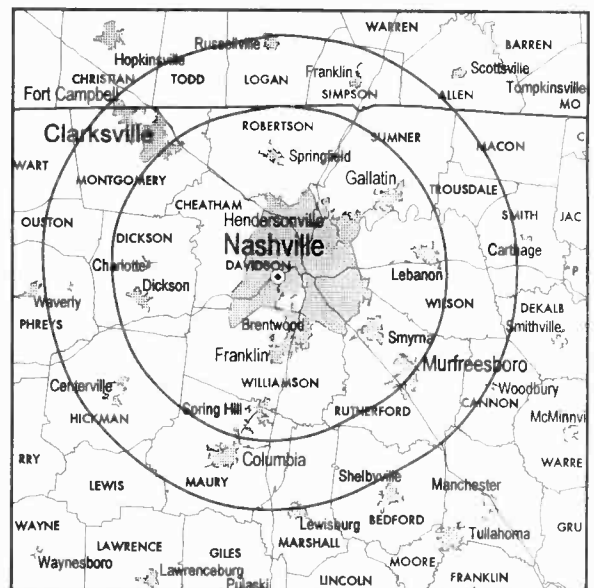


WJXA 92.9 100/1053

NASHVILLE



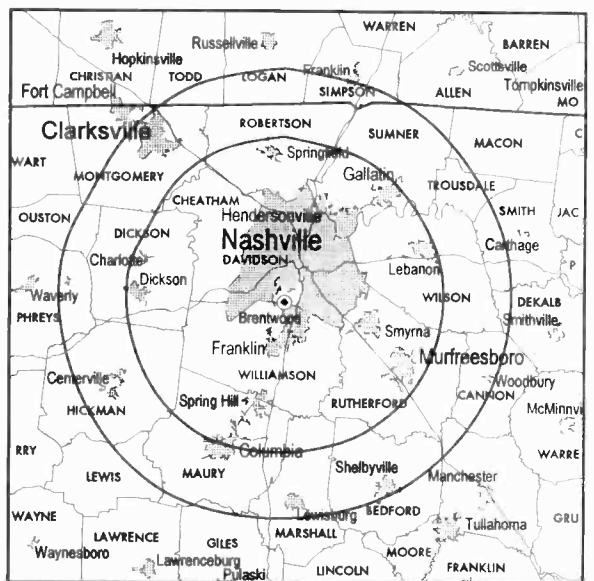
WRLG 94.1 3.9/236



WSM 95.5 100/1286



WRMX 96.3 100/826
WRMX CP 96.3 52/1286



WSIX 97.9 100/1145

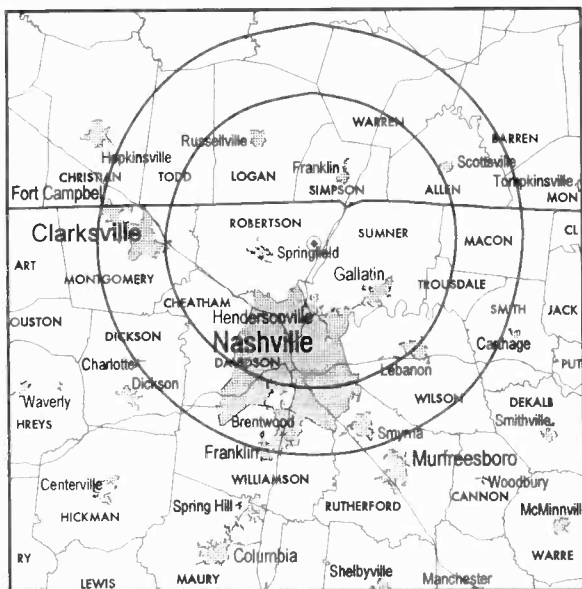


WWTN 99.7 100/1296



WRLT 100.1 200w/1181

NASHVILLE



WJCE 101.1 47/1289

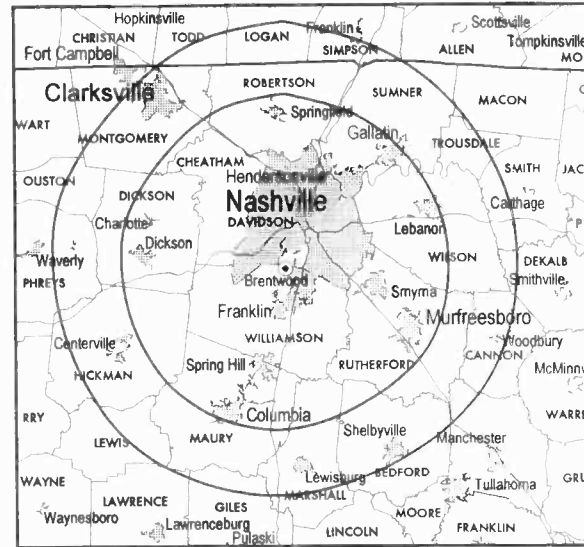


WQQZ 102.5 100/856



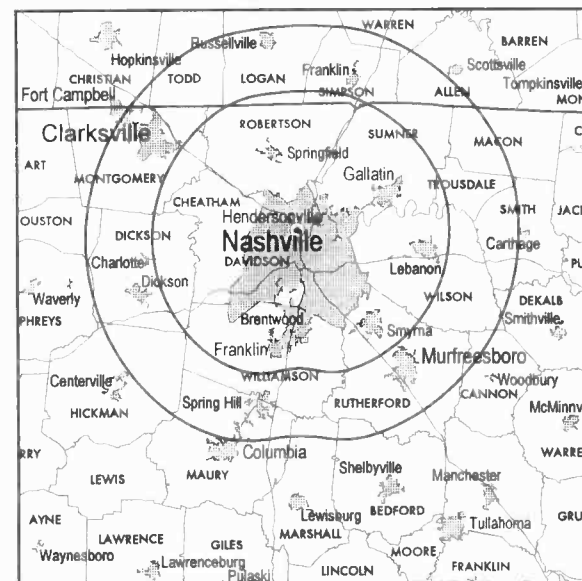
WMMU 102.9 100/810

WMMU CP 102.9 100/820

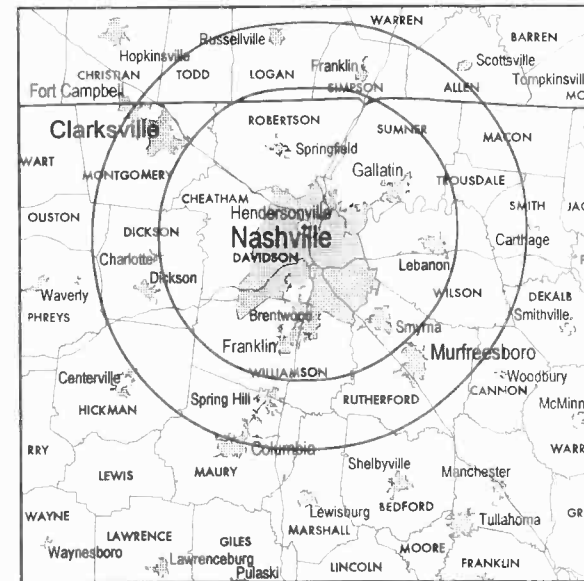


WKDF 103.3 100/1233

WLAC 105.9 100/1233



WGFX 104.5 49/1312



WRVW 107.5 58/1235

NASSAU-SUFFOLK (LONG ISLAND)

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WLNG Millstone Rd., 0.2 mi. N of Middle Line Rd., W of Sag Harbor City of License: Sag Harbor, NY	L	92.1	A	5.30	No	347	106	179	40 58 19	72 20 54
WLIR Atop North Shore Towers, 271 Grand Central Pkwy., Glen Oaks, Queens City of License: Garden City, NY	L	92.7	A	1.00	Yes	521	159	367	40 45 26	73 42 52
WMJC 920 Crooked Hill Rd., adjacent to interchange 53, Long Island Expressway City of License: Smithtown, NY Note: Simulcast with WRCN 103.9	L	94.3	A	3.00	No	300	91	306	40 48 07	73 17 06
WHFM Great Hill Rd., 0.6 mi E of Majors Path, due N of Southampton City of License: Southampton, NY Note Simulcast with WBAB 102.3	L	95.3	A	5.00	Yes	354	108	194	40 56 05	72 23 15
WALK End of Tower Rd., off Blue Point Rd., between Selden and Farmingville City of License: Patchogue, NY	L	97.5	B	39.00	Yes	554	169	344	40 50 41	73 02 01
WKJY 470 Milburn Ave., Hempstead City of License: Hempstead, NY	L	98.3	A	3.00	No	328	100	360	40 41 08	73 36 37
WBAZ Long Island Cablevision tower, Stony Hill Rd., near interseciton with Brick Kiln Rd., 2 mi. SE of Sag Harbor City of License: Southold, NY	L	101.7	A	5.50	No	341	104	237	40 58 43	72 19 27
WBAB Half Hollow Hills, 0.5 mi. E of interchange 51, Long Island Expressway City of License: Babylon, NY Note: Simulcast on WHFM 95.3	L	102.3	A	3.00	No	268	82	199	40 47 58	73 20 08
WBZO WLIX-AM 540 tower, 180 S. Freeman Ave. at Brook Place, Islip City of License: Bay Shore, NY	L	103.1	A	3.00	Yes	285	87	322	40 45 04	73 12 52
WRCN Off Eastport-Manorville Rd., 3 mi. SE of Manorville City of License: Riverhead, NY Note: Simulcast on WMJC 94.3	L	103.9	A	1.52	No	466	142	295	40 51 07	72 45 55
WBLI 0.4 mi. NW of intersection of Dogwood Ave. and Blue Point Rd., Selden City of License: Patchogue, NY	L	106.1	B	48.50	Yes	499	152	351	40 50 32	73 02 23
WWHB Pennsylvania Ave., E of Murray St., 2 mi. W of junction of NY 24 and 27, 4 mi. W of Hampton Bays City of License: Hampton Bays, NY Note: Simulcats WNEW 102.7 New York	L	107.1	A	3.00	No	279	85	152	40 52 10	72 34 38

NASSAU-SUFFOLK (LONG ISLAND)



WLNG 92.1 5.3/347



WLIR 92.7 1/521



WMJC 94.3 3/300



WBAB 102.3 3/268
WHFM 95.3 5/354



WALK 97.5 39/554



WKJY 98.3 3/328

NASSAU-SUFFOLK



WBZ 101.7 5.5/341



WBZO 103.1 3/285



WRCN 103.9 1.52/466



WBLI 106.1 48.5/499



WWHB 107.1 3/279
WNEW 102.7 Simulcast

NEW HAVEN

Call	Lic/CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WYBC West Rock Ridge, New Haven, just N of Wilbur Cross Pkwy. tunnel City of License: New Haven, CT	L	94.3	A	1.80	Yes	325	99	98	41 20 58	72 58 27
WPLR Ch. 8 tower, Mad Mare Mtn., Talmadge Rd., N of Hamden City of License: New Haven, CT	L	99.1	B	14.10	No	950	290	909	41 25 23	72 57 06
WKCI On Ch. 8 tower with WPLR 99.1 City of License: Hamden, CT	L	101.3	B	10.00	No	1070	326	909	41 25 23	72 57 06

Market overview/update: "Home" to only three FM's; two Bs and an A. WPLR and WKCI are both excellent Bs, covering huge portions of the state. Yale's WYBC has upgraded from an antenna site atop the gymnasium building on campus to West Rock Ridge in the northern portion of the city. Coverage is significantly better.



ARBITRON METRO AREA



WYBC 94.3 1.8/325



WPLR 99.1 14.1/950



WKCI 101.3 10/1070

NEW ORLEANS

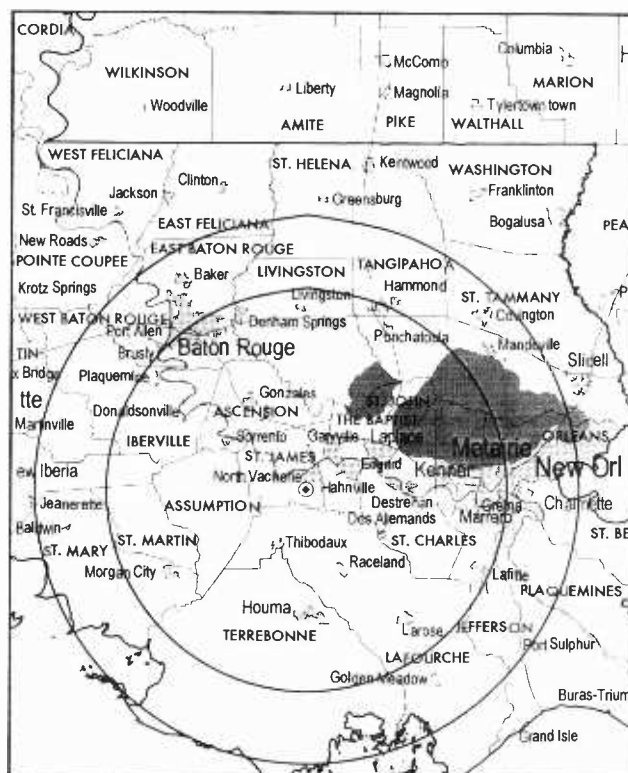
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WCKW 1 mi. from junction of LA 20 and LA 3127, Vacherie, LA City of License: La Place, LA	L	92.3	C	100.00	No	1946	593	2000	29 57 13	90 43 25
WQUE Lodestar master antenna, Behrman Hwy. and Garden Oaks Drive, near Gretna, Orleans Parish City of License: New Orleans, LA	L	93.3	C	100.00	No	984	300	1049	29 55 11	90 01 29
WTIX LA Hwy 1, Cut Off, LA City of License: Galliano, LA Note: Has filed one-step application to upgrade to C1	L	94.3	C2	23.00	No	594	181	623	29 33 01	90 21 04
WTKL Lodestar master antenna City of License: New Orleans, LA	L	95.7	C	100.00	No	984	300	1049	29 55 11	90 01 29
WEZB Lodestar master antenna City of License: New Orleans, LA	L	97.1	C	100.00	No	984	300	1049	29 55 11	90 01 29
WYLD Ch. 38 tower, E of Paris Rd. at Bayou Bienvenue, N of Chalmette City of License: New Orleans, LA	L	98.5	C1	100.00	No	902	275	1018	29 58 41	89 56 26
WRNO Ch. 32/ three-FM tower, Paris Rd. at Bayou Bienvenue, N of Chalmette City of License: New Orleans, LA	L	99.5	C	100.00	No	1004	306	1049	29 58 57	89 57 09
WNOE Ch. 32 tower with WRNO 99.5 City of License: New Orleans, LA	L	101.1	C	100.00	No	1004	306	1049	29 58 57	89 57 09
WLMG Lodestar master antenna City of License: New Orleans, LA	L	101.9	C	100.00	No	984	300	1049	29 55 11	90 01 29
KMEZ Ch. 8 tower, Chalmette City of License: Belle Chasse, LA	L	102.9	C3	4.70	No	604	184	1046	29 57 14	89 56 58
KHOM Diplexed with WCKW 92.3 City of License: Houma, LA	L	104.1	C	100.00	No	1946	593	2000	29 57 13	90 43 25
WLTS On tower with WRNO 99.5 and WNOE 101.1 City of License: Slidell, LA	L	105.3	C1	100.00	No	902	275	1049	29 58 57	89 57 09
WZRH Intersection of Lowe Davis Rd. and LA 1083, St. Tammany Parish, 3.2 mi. NE of Abita Springs, LA City of License: Picayune, MS	L	106.1	C2	50.00	No	492	150	476	30 31 22	90 00 15
KLJZ Delacroix Hwy., 1.6 mi. SSW of Reggio, St. Bernard Parish, LA City of License: Port Sulphur, LA	L	106.7	C1	100.00	No	983	299	1032	29 48 30	89 45 42

NEW ORLEANS

Market overview/update: Lodestar's multi-station tower near Gretna, which had just been placed into service as our first edition was published, now carries four Class C FM's in the market. WTKL was already on this tower at that point. WQUE and WEZB both upgraded to Lodestar from downtown buildings. WLMG shifted from the Ch. 4 tower to the master antenna. WYLD has finally been able to upgrade from WRNO's old 400' tower in Algiers to the 900' level of the Ch. 38 tower in the antenna farm in Chalmette. It remains a C1. KMEZ entered the market as a C3 on the Ch. 8 tower in Chalmette. WZRH, Picayune, MS, erected a move-in tower just northeast of Covington across Lake Pontchartrain from New Orleans. WTIx, a C2 drop-in from Galliano, has applied for a "one-step" upgrade to C1 status.



ARBITRON METRO AREA

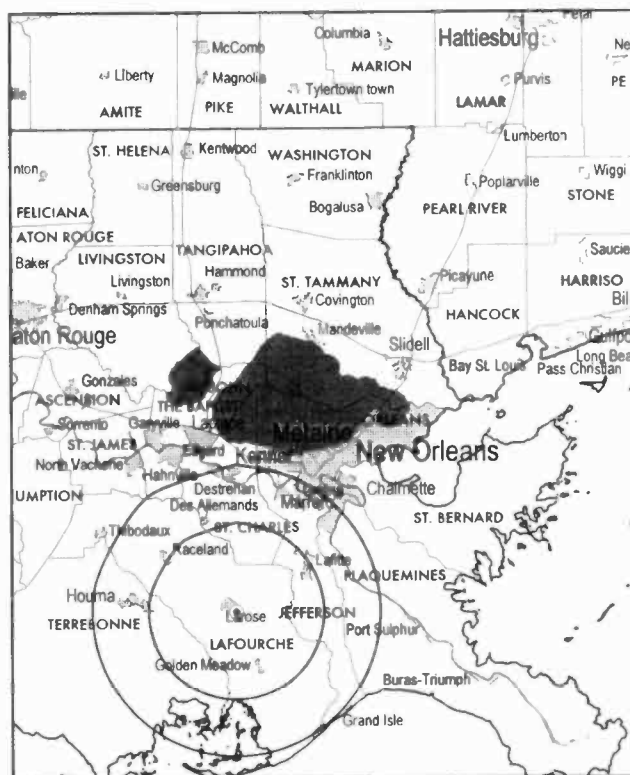


WCKW	92.3	100/1946
KHOM	104.1	100/1946

NEW ORLEANS



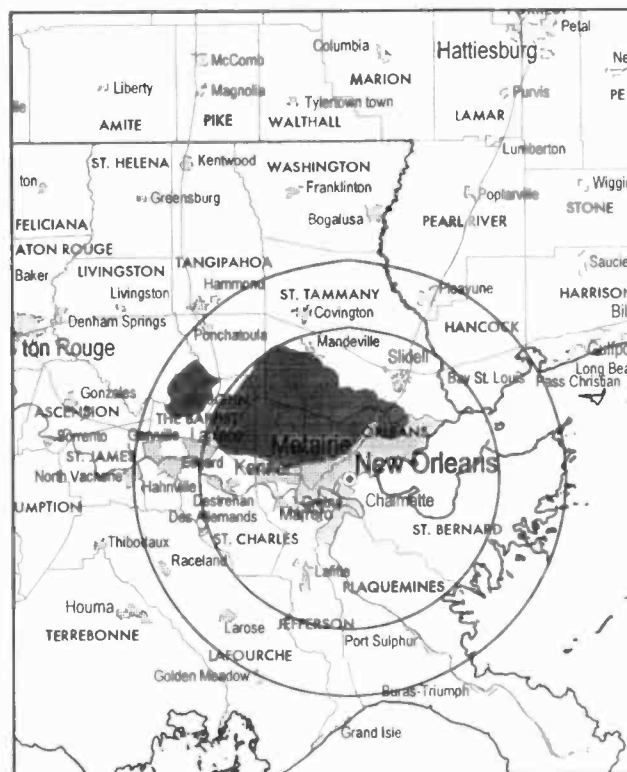
WQUE	93.3	100/984
WTKL	95.7	100/984
WEZB	97.1	100/984
WLMG	101.9	100/984



WTIX	94.3	23/594
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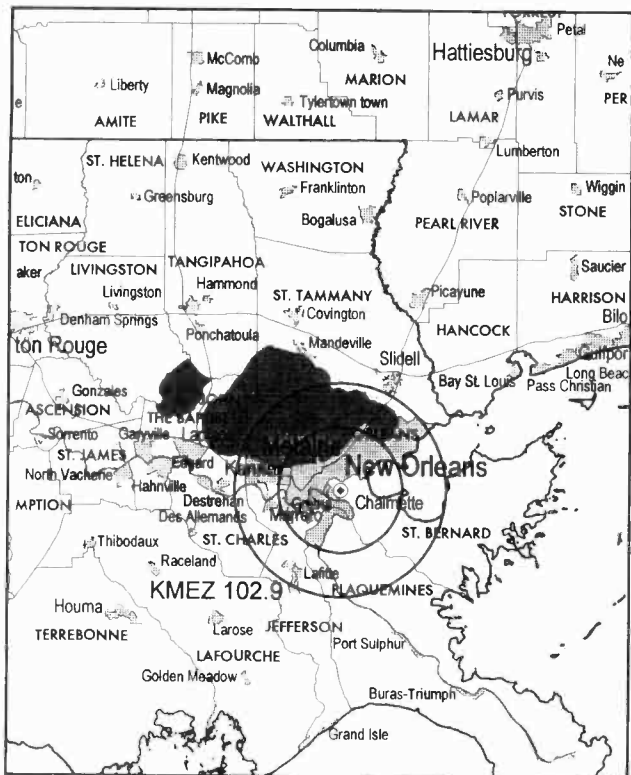


WYLD	98.5	100/902
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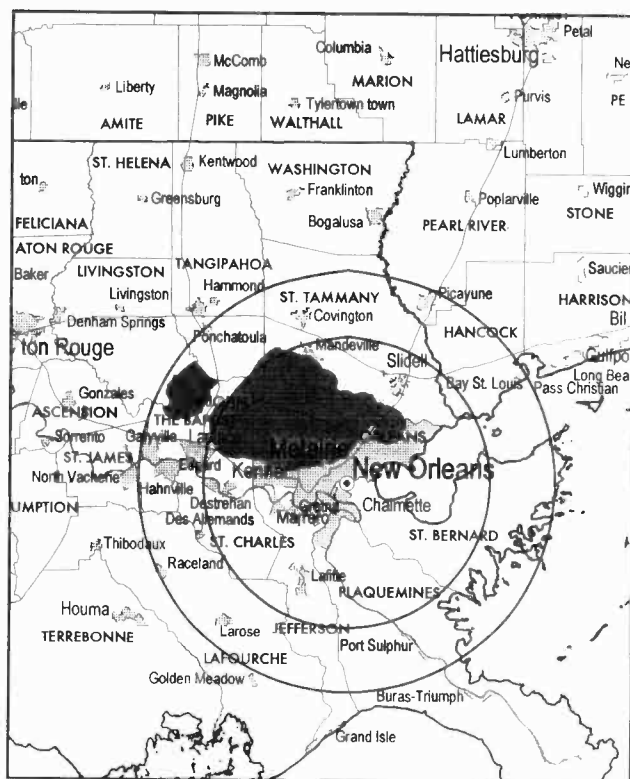


WRNO	99.5	100/1004
WNOE	101.1	100/1004

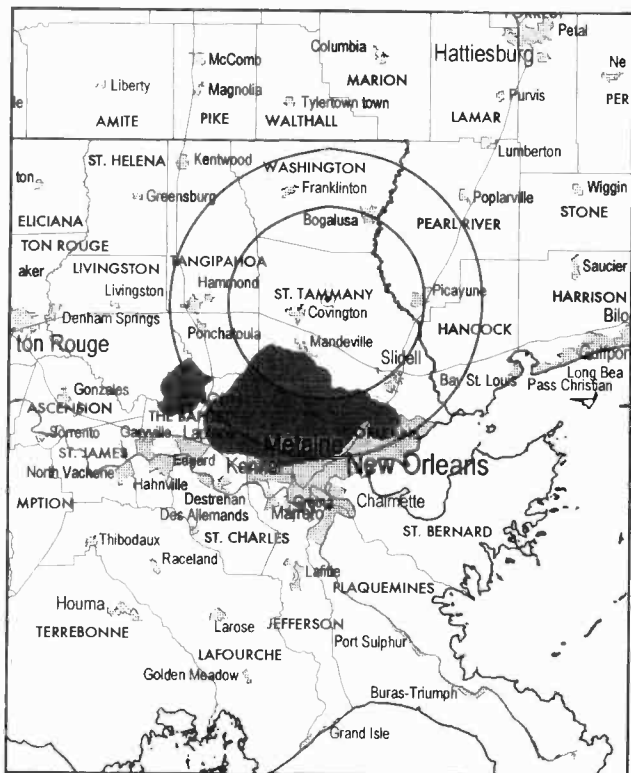
NEW ORLEANS



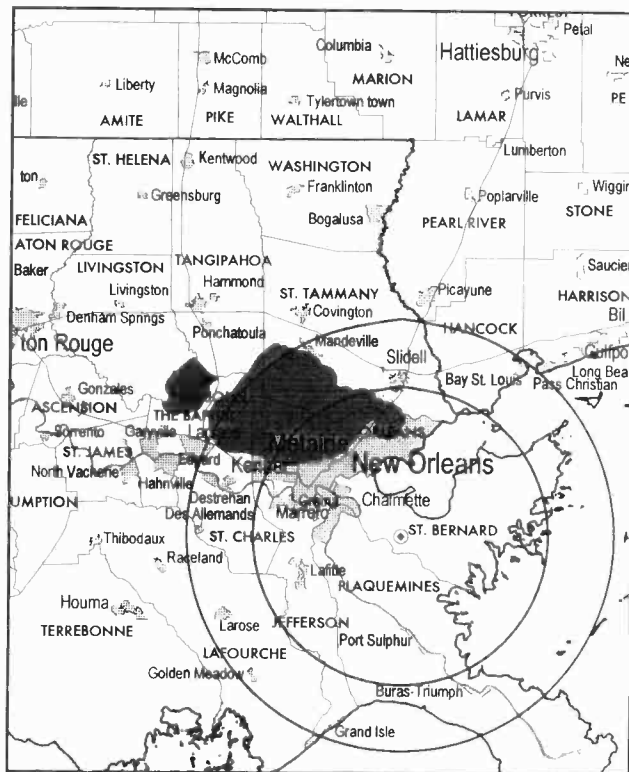
KMEZ 102.9 4.7/604



WLTS 105.3 100/902



WZRH 106.1 50/492



KLJZ 106.7 100/983

NEW YORK

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WXFK Empire State Building master antenna, 350 Fifth Avenue, midtown Manhattan City of License: New York, NY	L	92.3	B	6.00	No	1362	415	1454	40 44 54	73 59 10
WPAT North Tower, World Trade Center, lower Manhattan City of License: Paterson, NJ	L	93.1	B	5.40	No	1420	433	1729	40 42 43	74 00 49
WRTN Atop 1841 Central Park Ave., Yonkers City of License: New Rochelle, NY	L	93.5	A	2.95	No	330	101	239	40 57 45	73 50 32
WFME 289 Mt. Pleasant Avenue, West Orange, NJ City of License: Newark, NJ	L	94.7	B	37.20	No	570	174	203	40 47 18	74 15 19
WPLJ Empire State Building City of License: New York, NY	L	95.5	B	6.75	No	1335	407	1454	40 44 54	73 59 10
WQXR Empire State Building master antenna City of License: New York, NY	L	96.3	B	6.00	No	1362	415	1454	40 44 54	73 59 10
WQHT Empire State Building City of License: New York, NY	L	97.1	B	6.70	No	1339	408	1454	40 44 54	73 59 10
WSKQ Empire State Building master antenna City of License: New York, NY	L	97.9	B	6.00	No	1362	415	1454	40 44 54	73 59 10
WRKS Empire State Building master antenna City of License: New York, NY	L	98.7	B	6.00	No	1362	415	1454	40 44 54	73 59 10
WHTZ Empire State Building master antenna City of License: Newark, NJ	L	100.3	B	6.00	No	1362	415	1454	40 44 54	73 59 10
WHUD Near Putnam Valley, W. of Lake Peekskill, N of Putnam-Westchester county line City of License: Peekskill, NY	L	100.7	B	50.00	No	500	152	393	41 20 18	73 53 41
WCBS Empire State Building City of License: New York, NY	L	101.1	B	6.80	No	1325	404	1454	40 44 54	73 59 10
WQCD Empire State Building master antenna City of License: New York, NY	L	101.9	B	6.00	No	1362	415	1454	40 44 54	73 59 10
WNEW Empire State Building master antenna City of License: New York, NY	L	102.7	B	6.00	No	1362	415	1454	40 44 54	73 59 10

NEW YORK

WKTU	L	103.5	B	5.40	No	1420	433	1729	40 42 43	74 00 49
Diplexed with WPAT 93.1, World Trade Center										
City of License: Lake Success, NY										
WFAS	L	103.9	A	0.60	No	670	204	450	41 01 32	73 49 39
Secor Rd., Greenburgh, Westchester County, NY										
City of License: White Plains, NY										
WAXQ	L	104.3	B	7.80	No	1223	373	1454	40 44 54	73 59 10
Old Empire State Building master antenna										
City of License: New York, NY										
WMXV	L	105.1	B	6.00	No	1362	415	1454	40 44 54	73 59 10
Empire State Building master antenna										
City of License: New York, NY										
WDHA	L	105.5	A	1.00	No	563	172	141	40 51 19	74 30 42
Adjacent to fire lookout tower, Greystone Park State Hospital, Morris County, NJ										
City of License: Dover, NJ										
WNWK	L	105.9	B1	2.45	No	722	220	728	40 45 04	73 58 37
Chanin Building, 122 E. 42nd Street, midtown Manhattan										
City of License: Newark, NJ										
Note: Holds CP to move to the former multi-station master FM antenna at the 1223' level of the Empire State Building with 810 watts										
WLTW	L	106.7	B	6.00	No	1362	415	1454	40 44 54	73 59 10
Empire State Building master antenna										
City of License: New York, NY										
WRGX	L	107.1	A	0.89	No	591	180	476	41 04 49	73 48 26
Adjacent to Westchester County Jail, Grasslands Rd., Valhalla, NY										
City of License: Briarcliff Manor, NY										
WBLS	L	107.5	B	4.20	No	1362	415	1454	40 44 54	73 59 10
Empire State Building master antenna										
City of License: New York, NY										

Market overview/update: As near to the proverbial "level playing field" as can be found in any market. All but a couple of New York's major FM's are at 100% signal parity with one another. There are no grandfathered superpower FM's in New York. All of the city's Class B FM's operate non-directionally, with standard B class power, from atop either the Empire State Building or the World Trade Center.

Overall, the facilities infrastructure in New York has been "maxed-out" for many years, and changes have been limited to "tweaks" as opposed to massive upgrades or new signals. Changes of note: A new, state-of-the-art, two-level ERI panel antenna was recently installed at the 1362' level on the Empire State Building mast, replacing the old Alford antenna which encircled the 102nd floor observation deck (old HAAT was 1223'). The Alford had been in service since 1965. The ERP for most of the master antenna stations dropped from 7.8-kw to 6-kw, due to the increase in effective height. The newer antenna has met or exceeded expectations. WBLS is restricted to 4.2-kw on the new antenna due to a short-spacing situation. WPLJ, WQHT and WCBS each run separate antennas at different levels on the Empire State mast. WQCD has moved from the World Trade Center to the Empire State master antenna. At press time, WAXQ was still running on the old Alford antenna, but had applied to move to the new master. Since our last edition, WKTU (formerly WYNY) was able to remove a directional restriction and is now diplexed with WPAT into a shared tower on the North Tower of the World Trade Center. WNWK has returned to its former site atop the Chanin Building at 122 E. 42nd St. in Manhattan. It has been downgraded to Class B1. The station's upgrade options are quite limited because so many nearby co- and adjacent-channel stations upgraded during the protracted period when the station's license was contested. WNWK holds a CP to move to the old FM master antenna on the Empire State Building with 810 watts. Also of note in the New York market, WRGX in Westchester County moved to a much taller tower near downtown White Plains. The new site is much better centered for coverage of the bulk of Westchester's population.

NEW YORK



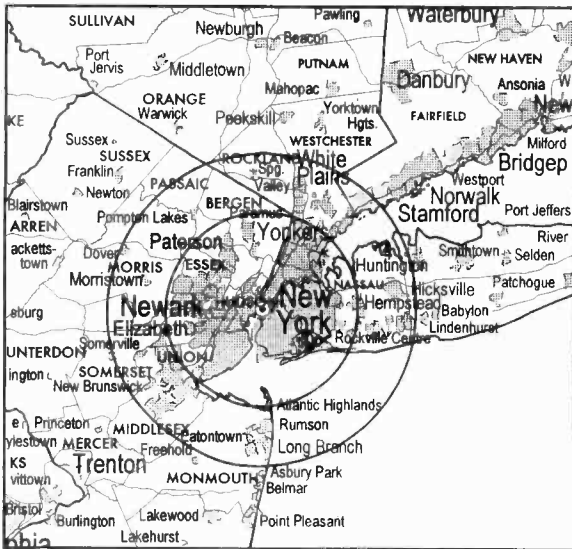
ARBITRON METRO AREA



EMPIRE STATE BUILDING MASTER ANTENNA

WXRK	92.3	6/1362
WQXR	96.3	6/1362
WSKQ	97.9	6/1362
WRKS	98.7	6/1362
WHTZ	100.3	6/1362
WQCD	101.9	6/1362
WNEW	102.7	6/1362
WMMV	105.1	6/1362
WLTW	106.7	6/1362

NEW YORK



WPAT 93.1 5.4/1420
WKTU 103.5 5.4/1420



WRTN 93.5 2.95/330



WFME 94.7 37.20/570



WPLJ 95.5 6.75/1335
WQHT 97.1 6.7/1339
WCBS 101.1 6.8/1325



WHUD 100.7 50/500



WFAS 103.9 600w/670

NEW YORK



WAXQ 104.3 7.8/1223



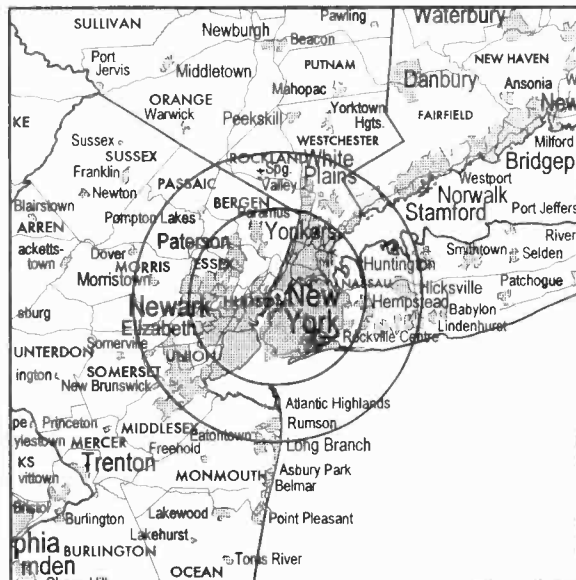
WDHA 105.5 1/563



WNWK 105.9 2.45/722
WNWK CP 105.9 810/1223



WRGX 107.1 890w/591



WBLS 107.5 4.2/1362

NORFOLK

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WMYK Off VA 168, Chesapeake, VA, 8 mi. N of Moyock, NC City of License: Moyock, NC	L	92.1	C3	14.50	Yes	430	131	427	36 37 38	76 13 07
WFOG Greenbrook Dr., Twin Pines, near Craney Island Naval Depot, Portsmouth, VA City of License: Suffolk, VA	L	92.9	B	50.00	No	484	146	500	36 52 35	76 23 28
WKOC 0.2 mi. E of NC 168, 2 mi. NW of Moyock, NC, just S of VA/NC state line City of License: Elizabeth City, NC	L	93.7	C1	100.00	No	935	285	1000	36 32 57	76 11 21
WXEZ Tower Rd., off Crawford Rd., 2.3 mi. SW of Yorktown City of License: Yorktown, VA	L	94.1	B	40.00	Yes	531	162	500	37 12 33	76 32 35
WPTE Poindexter St. at I-464, Chesapeake, VA City of License: Virginia Beach, VA	L	94.9	B	50.00	No	500	152	531	36 48 38	76 16 57
WLTY Ch. 3 tower, VA 337, Norfolk antenna farm, 2 mi. E of Driver, Suffolk, VA City of License: Norfolk, VA	L	95.7	B+	40.00	No	880	268	1029	36 48 56	76 28 00
WROX VA 642, Cape Charles City of License: Cape Charles, VA	L	96.1	B	23.00	No	722	220	738	37 15 47	76 00 47
WGH WGH-AM 1310 daytime tower, S end of Jefferson Ave., Newport News, VA City of License: Newport News, VA	L	97.3	B+	74.00	No	400	120	424	36 57 47	76 24 42
WNOR With WNOR-AM 1230, 700 E. Indian River Rd., next to Riverside Cemetery, Norfolk City of License: Norfolk, VA	L	98.7	B	46.00	No	520	158	544	36 50 03	76 16 12
WCMS End of Gammon Rd., E of Military Hwy. (US 13), Virginia Beach City of License: Norfolk, VA	L	100.5	B	50.00	No	500	152	536	36 49 44	76 12 26
WWDE 2400 E. Indian River Rd., Norfolk City of License: Hampton, VA	L	101.3	B	50.00	No	500	152	515	36 49 41	76 15 05
WOWI End of Martin Johnson Drive, W of Deep Creek section of Chesapeake City of License: Norfolk, VA	L	102.9	B	50.00	No	472	144	499	36 45 23	76 23 06
WNVZ East Pembroke Ave., E side of Hampton City of License: Norfolk, VA	L	104.5	B	50.00	No	479	146	500	37 02 20	76 18 30
WJCD Ch. 27 tower, Norfolk TV antenna farm, VA 337, W of Driver, Suffolk, VA City of License: Portsmouth, VA	L	105.3	B	50.00	No	500	152	1023	36 48 43	76 27 49

NORFOLK

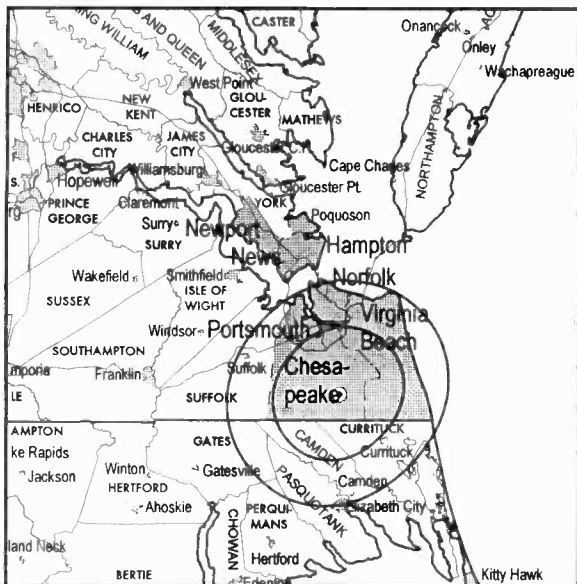
WAFX	L	106.9	C	100.00	No	984	300	964	36 48 16	76 45 17
US 258, 0.6 mi. S of junction with US 460, Windsor, VA										
City of License: Suffolk, VA										
WSVY	L	107.7	A	5.20	Yes	351	107	345	36 48 58	76 41 35
1136 Audubon Rd., Suffolk, VA										
City of License: Windsor, VA										
WSVY CP	C	107.7	A	2.40	No	522	159	0	36 48 32	76 30 13
Ch. 49 tower, Rt. 337, 0.75 M S of Driver, Norfolk TV antenna farm										
City of License: Windsor, VA										

Market overview/update: The bulk of this market's signal infrastructure was already in place when our last edition was published. Since then, WMYK has upgraded from Class A to Class C3, while remaining on the same tower in southern Chesapeake. WAFX upgraded from Class C1 to full C on the same tower. Two new stations entered the market; WROX, an upgraded Class B across the Chesapeake Bay in Cape Charles, and WSVY, a new Class A located in Suffolk County. WXEZ has moved to a site near Yorktown, significantly closer to the bulk of the Tidewater's population.

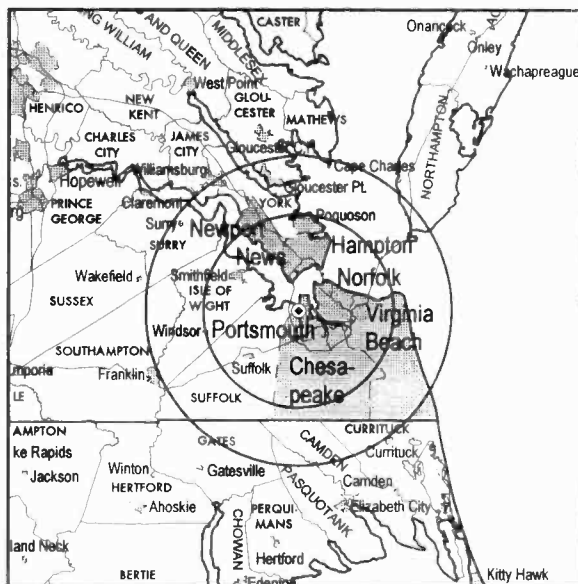


ARBITRON METRO AREA

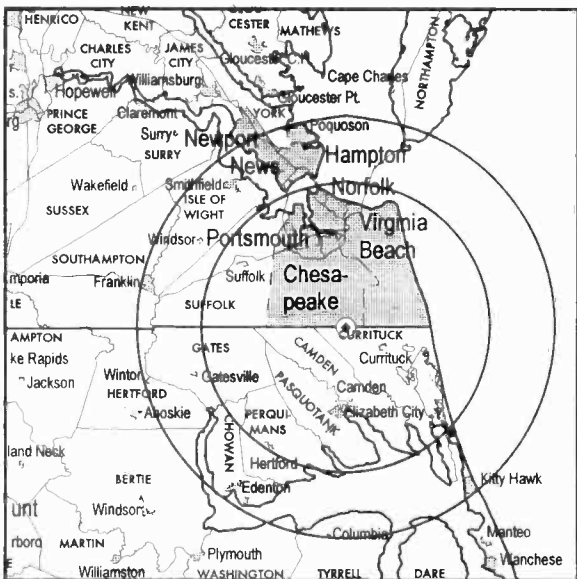
NORFOLK



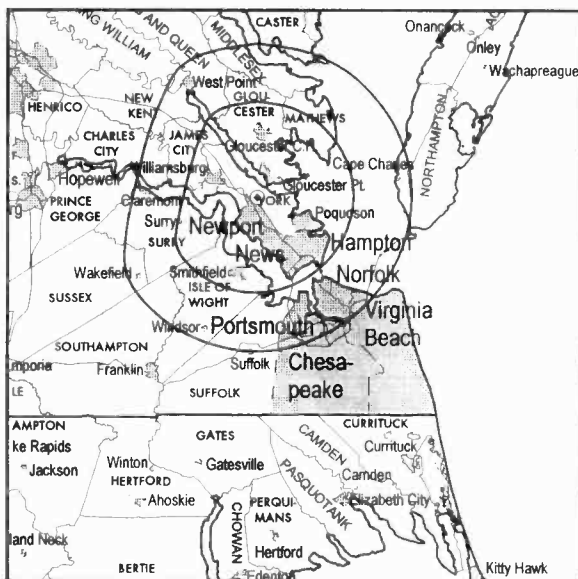
WMYK 92.1 14.5/430



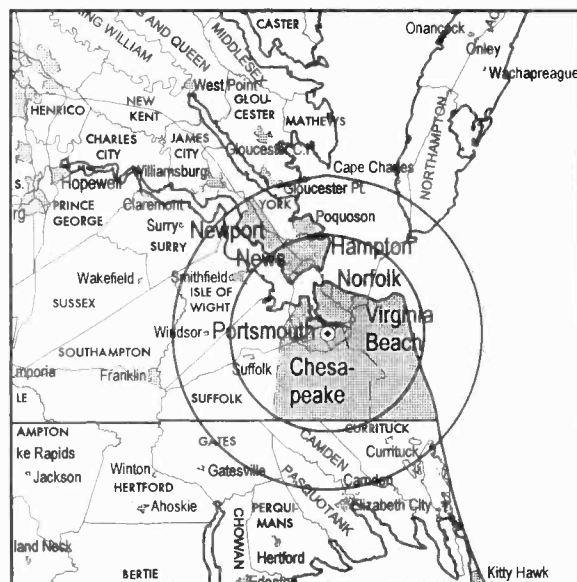
WFOG 92.9 50/484



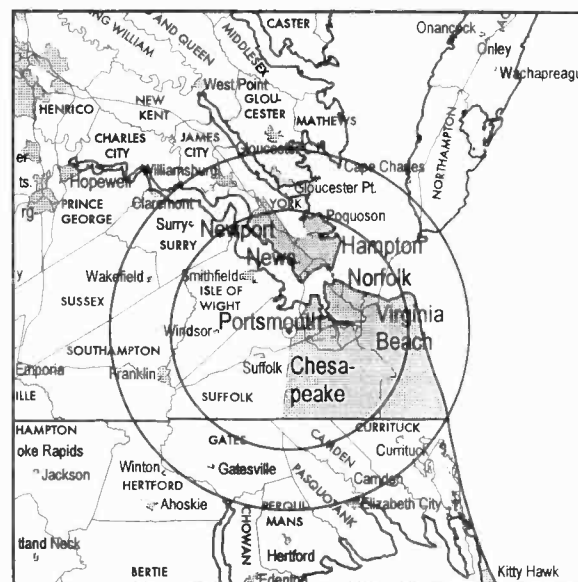
WKOC 93.7 100/935



WXEZ 94.1 40/531

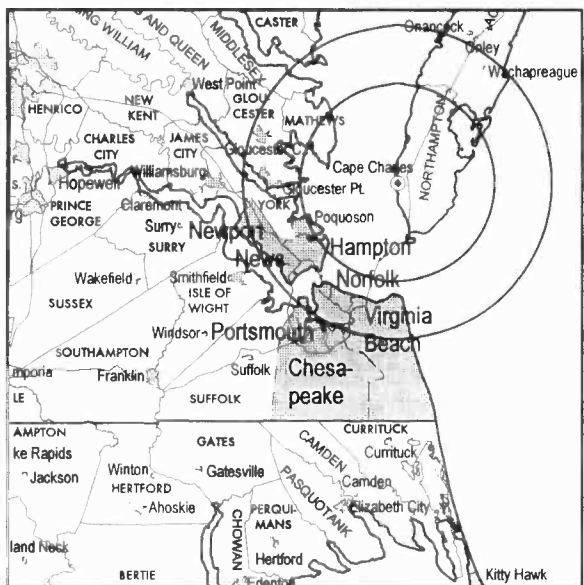


WPTE 94.9 50/500

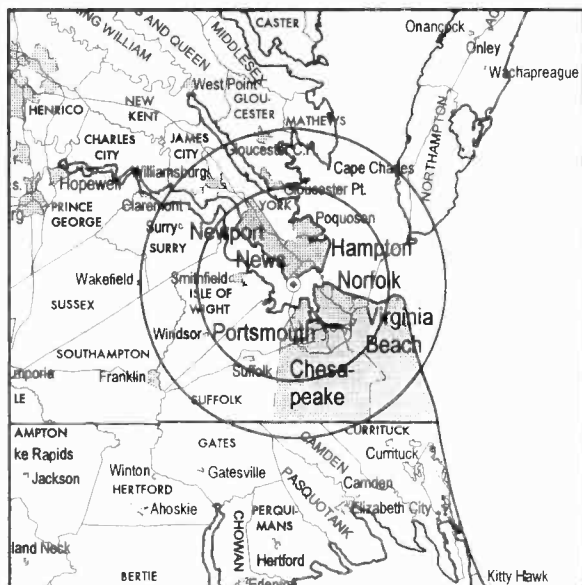


WLTY 95.7 40/880

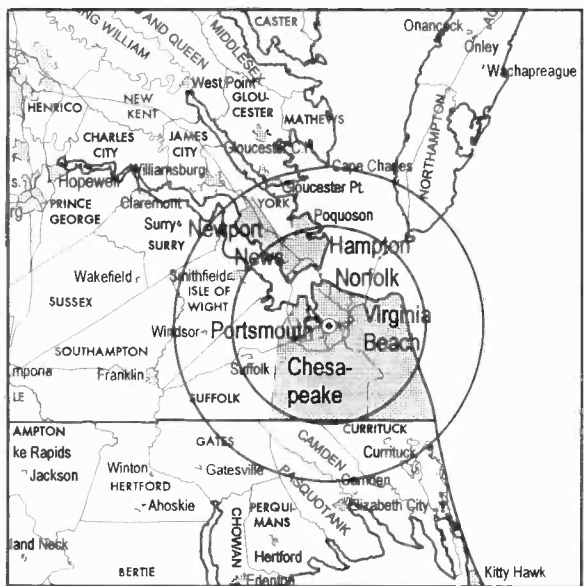
NORFOLK



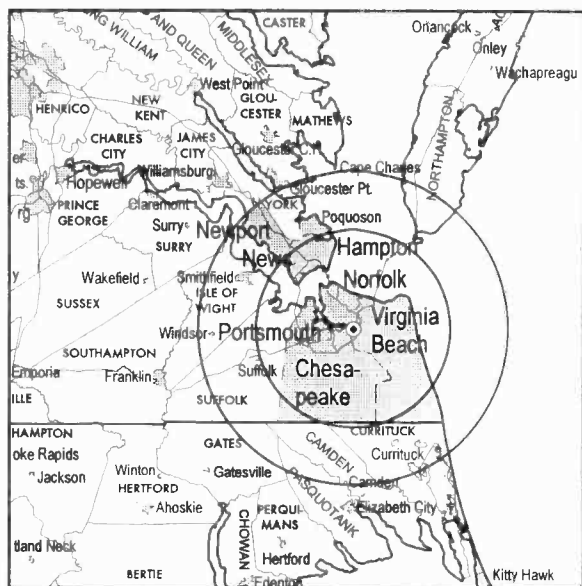
WROX 96.1 23/722



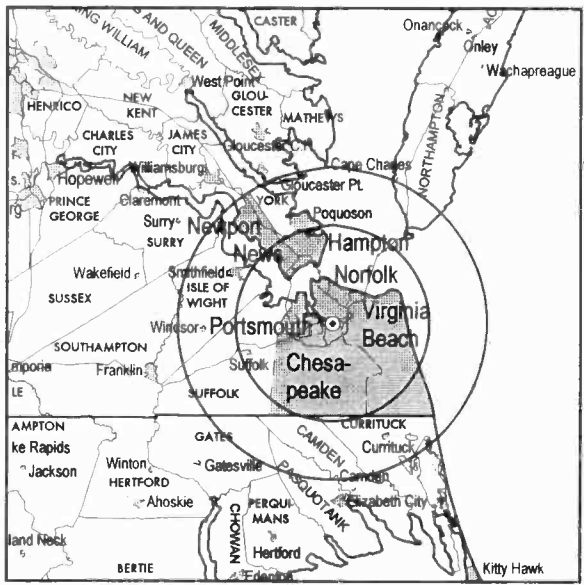
WGH 97.3 74/400



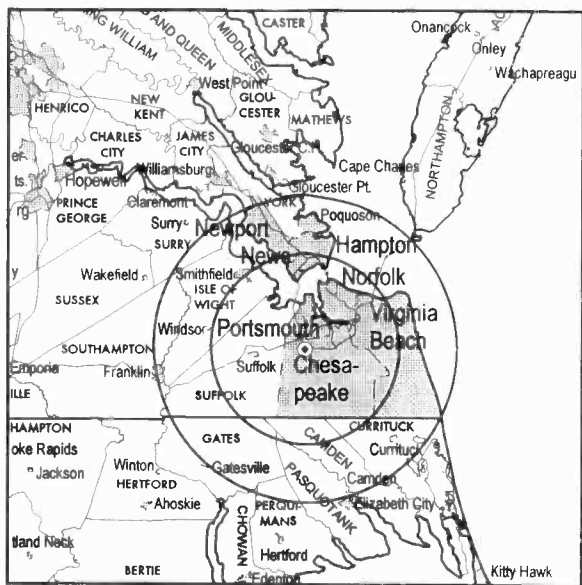
WNOR 98.7 46/520



WCMS 100.5 50/500

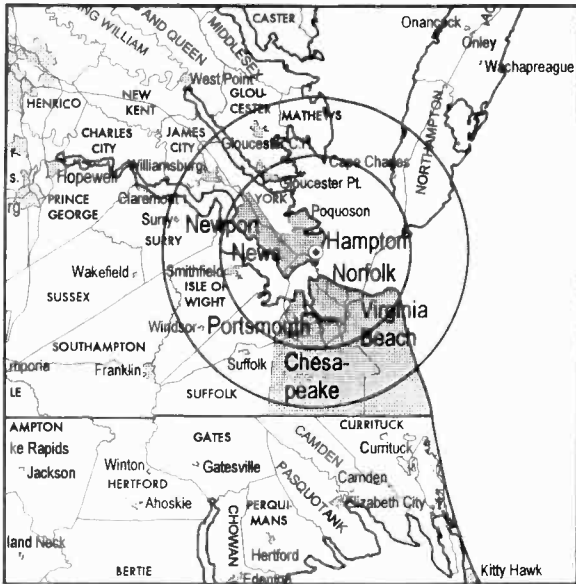


WWDE 101.3 50/500



WOWI 102.9 50/472

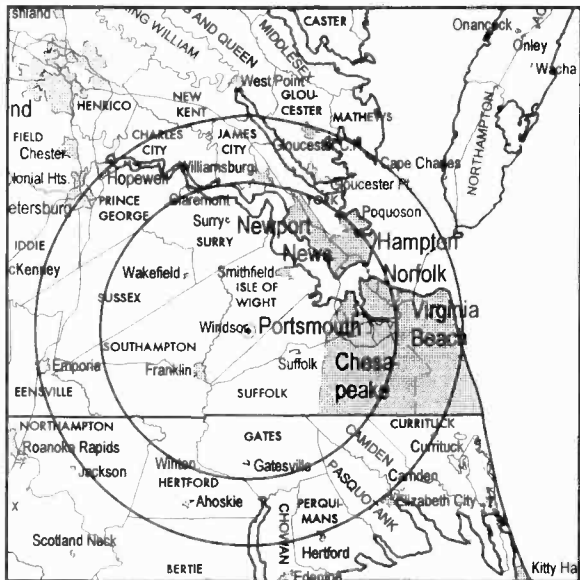
NORFOLK



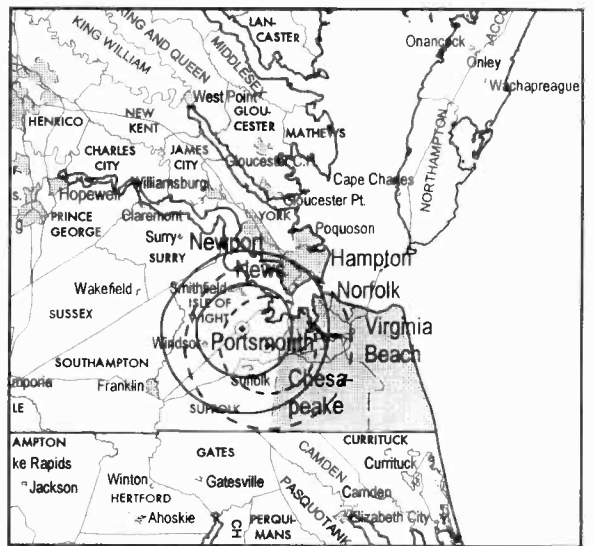
WNVZ 104.5 50/479



WJCD 105.3 50/500



WAFX 106.9 100/984



WSVY 107.7 5.2/351
WSVY CP 107.7 2.4/522

OKLAHOMA CITY

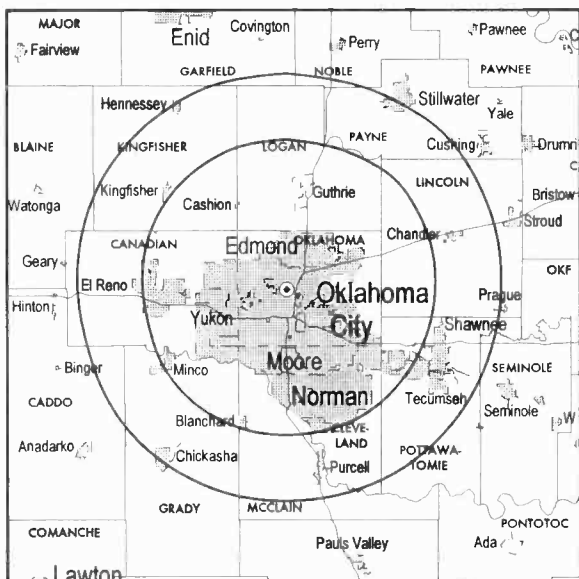
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KOMA 7416 N. Kelley, Oklahoma City City of License: Oklahoma City, OK	L	92.5	C	100.00	No	984	300	1073	35 32 52	97 29 29
KNRX Ch. 9 tower, 7401 N. Kelley, Oklahoma City City of License: Oklahoma City, OK	L	94.7	C	100.00	No	1389	423	1577	35 32 58	97 29 50
KXXY Ch. 25 tower, 1228 E. Wilshire Blvd., Oklahoma City City of License: Oklahoma City, OK	L	96.1	C	100.00	No	1171	357	1619	35 32 58	97 29 18
KTNT 9801 N. Lindsay Rd., Oklahoma City City of License: Edmond, OK	L	97.7	A	6.00	No	315	96	303	35 34 11	97 30 01
KYIS Ch. 34 tower, Kelley Avenue at 93rd St., Oklahoma City City of License: Oklahoma City, OK	L	98.9	C	100.00	No	1100	335	1257	35 33 36	97 29 07
KATT Ch. 43 tower, 11901 N. Eastern Avenue, Oklahoma City City of License: Oklahoma City, OK	L	100.5	C	100.00	No	1191	363	1598	35 35 22	97 29 03
KTST Ch. 9 tower with KEBC 94.7 City of License: Oklahoma City, OK	L	101.9	C	100.00	No	1389	423	1577	35 32 58	97 29 50
KJYO On tower with KOMA 92.5 City of License: Oklahoma City, OK	L	102.7	C	100.00	Yes	985	300	1073	35 32 52	97 29 29
KMGL Ch. 25 tower with KXXY 96.1 City of License: Oklahoma City, OK	L	104.1	C	100.00	No	1362	415	1619	35 32 58	97 29 18
KNTL 2809 N. McArthur Drive, Bethany City of License: Bethany, OK	L	104.9	A	3.00	No	300	91	246	35 29 58	97 37 08
KRXO Ch. 25 tower with KXXY 96.1 City of License: Oklahoma City, OK	L	107.7	C	100.00	No	990	302	1619	35 32 58	97 29 18

Market overview/update: Exceptionally stable signal infrastructure since 1989. No new entrants, and two minor signal changes. KOMA is no longer directional, and KTNT has upgraded from 3-kw to 6-kw.

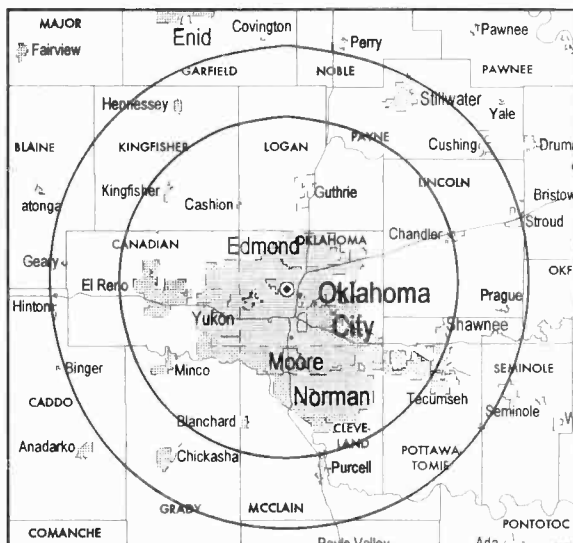
OKLAHOMA CITY



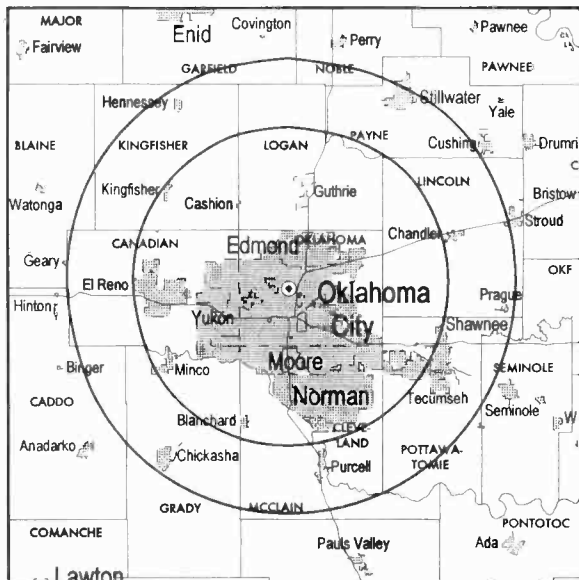
ARBITRON METRO AREA



KOMA 92.5 100/984



KNRX 94.7 100/1389
KTST 101.9 100/1389



KXXY 96.1 100/1171



KTNT 97.7 6/315

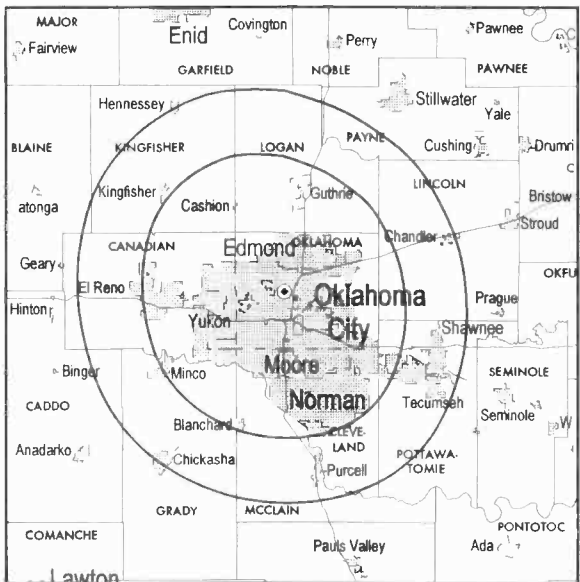
OKLAHOMA CITY



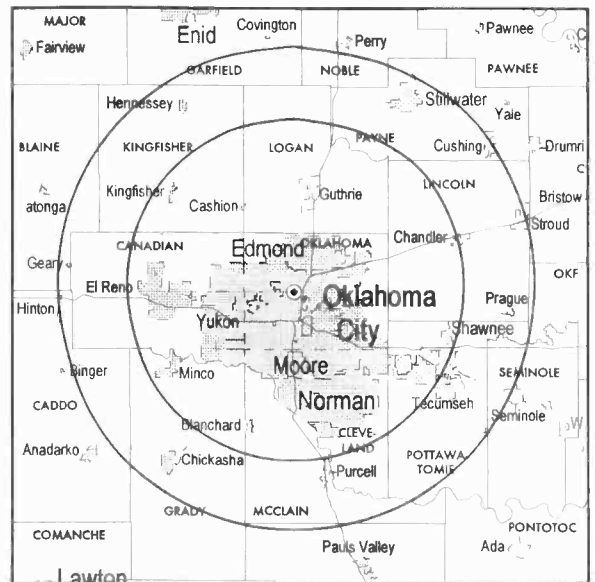
KYIS 98.9 100/1100



KATT 100.5 100/1191



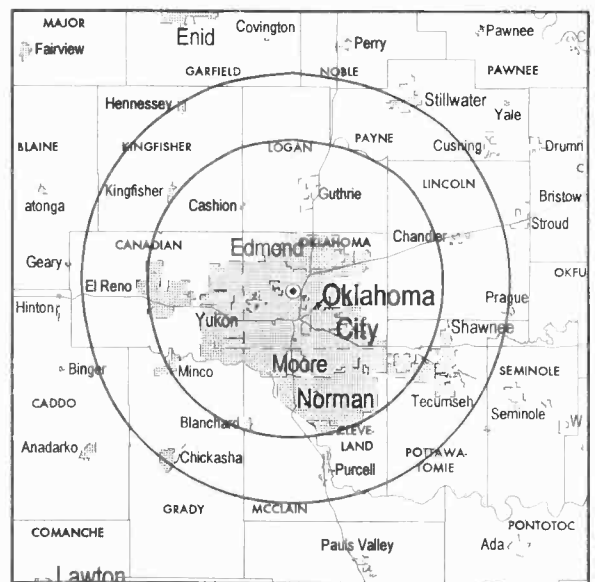
KJYO 102.7 100/985



KMGL 104.1 100/1362



KNTL 104.9 3/300



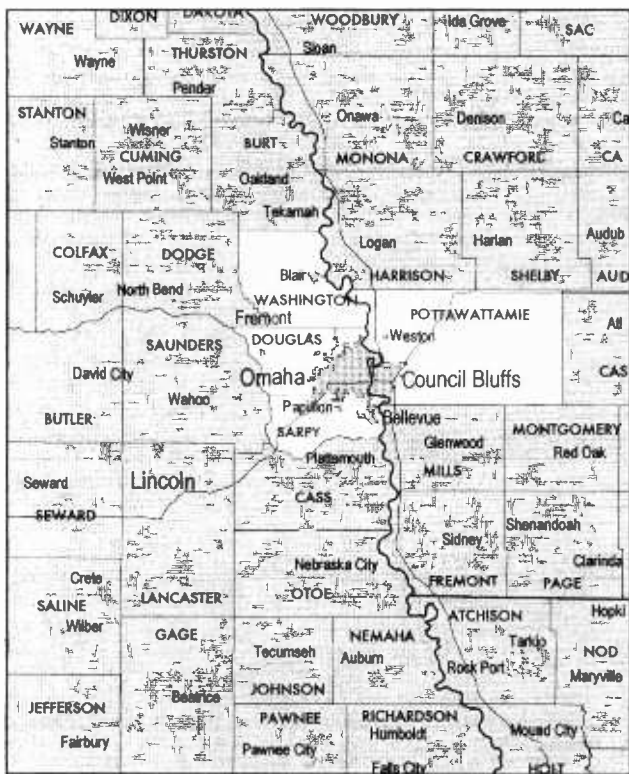
KRXO 107.7 100/990

OMAHA

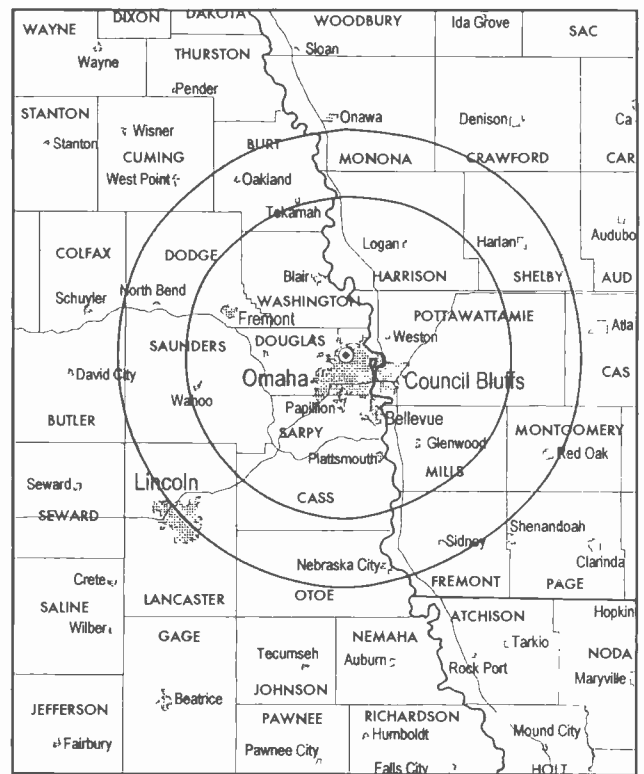
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KEZO Ch. 6 tower, 72nd and Crown Point Avenue, Omaha antenna farm City of License: Omaha, NE	L	92.3	C	100.00	No	1212	369	1358	41 18 40	96 01 37
KRRK On WOW 94.1 tower, 0.5 mi. NW of Military Ave. & 72nd Street, Omaha antenna farm City of License: Bennington, NE	L	93.3	A	3.60	Yes	427	130	1153	41 18 16	96 01 41
WOW 0.5 mi. NW of Military Ave. and 72nd St., Omaha antenna farm City of License: Omaha, NE	L	94.1	C	100.00	No	1184	361	1153	41 18 16	96 01 41
KEFM 2.3 mi. S of I-80/NE 31 interchange, near Springfield, Sarpy County, NE City of License: Omaha, NE	L	96.1	C	100.00	No	1411	430	1505	91 04 15	96 13 30
KOSJ Center Twp., Cass County, 1.3 mi. E of NE 50, 1.5 mi. N of Weeping Water, NE City of License: Nebraska City, NE	L	97.7	C1	100.00	No	981	299	965	40 53 31	96 09 10
KQKQ Ch. 3 tower, 5400 N. 72nd Street, Omaha antenna farm City of License: Council Bluffs, IA	L	98.5	C	100.00	No	1175	358	1345	41 18 25	96 01 37
KGOR Ch. 3 tower with KQKQ 98.5 City of License: Omaha, NE	L	99.9	C+	115.00	No	1230	375	1345	41 18 25	96 01 37
KGDE 2.8 mi. SE of Eagle, NE, 2 mi. E of NE 43, near Cass-Otoe County line City of License: Lincoln, NE	L	101.9	C	100.00	No	1132	345	1181	40 47 09	96 23 07
KXKT 7 mi. NW of Oakland, Pottawatomie County, IA City of License: Atlantic, IA	L	103.7	C	100.00	No	1247	380	1201	41 23 53	95 28 17
KESY Ch. 3 tower with KQKQ 98.5 and KGOR 99.9 City of License: Omaha, NE	L	104.5	C	100.00	No	1086	331	1345	41 18 25	96 01 37
KKCD 5616 S. 27th Street, Omaha City of License: Omaha, NE	L	105.9	C2	50.00	No	479	146	443	41 12 04	95 57 12
KISP 3.5 mi. W of Modale, IA City of License: Blair, NE	L	106.3	A	1.20	No	459	140	499	41 37 03	96 04 23
KOTD 4.5 mi. NW of Glenwood, IA, on bluff, 1.5 mi. E of I-29 City of License: Plattsmouth, NE	L	106.9	A	6.00	No	328	100	121	41 05 28	95 48 15

OMAHA

Market overview/update: Four new signals since '89, bringing the market's total to a still-healthy, even dozen. Since '89, WOW upgraded from a 492' tower to full C status on an 1153' tower. New to the market are KKCD, a 50-kw C2 transmitting from the south side of the city. KOSP is a new 100-kw, tall-tower C1 move-in. KRRK is a new Class A transmitting from the WOW tower in the Omaha antenna farm. KOTD is an A located on the bluffs east of I-29 to the south of Omaha, KGDE Lincoln is included because it shows in the Omaha Arbitron.



ARBITRON METRO AREA

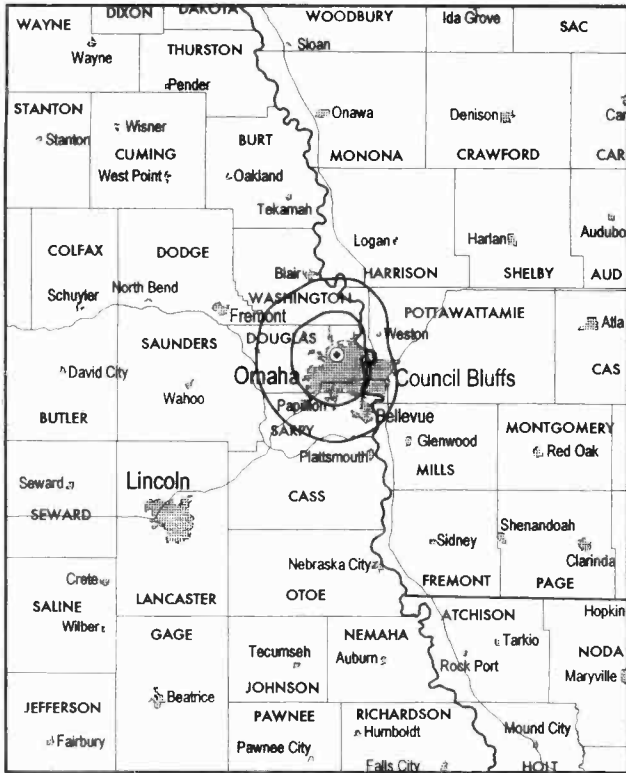


KEZO

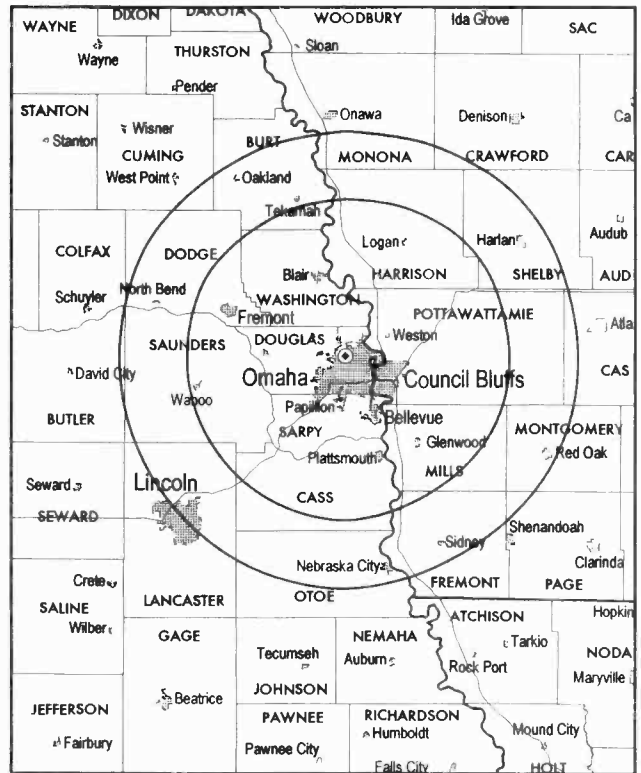
92.3

100/1212

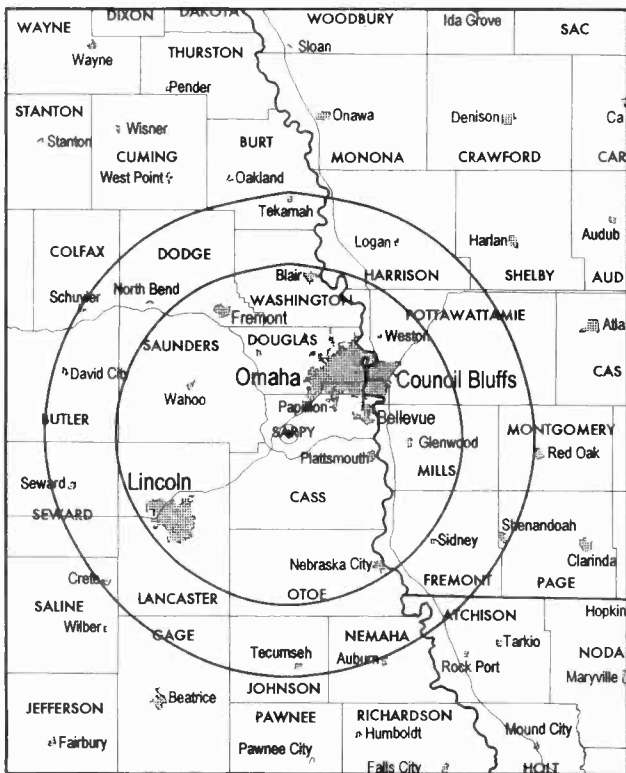
OMAHA



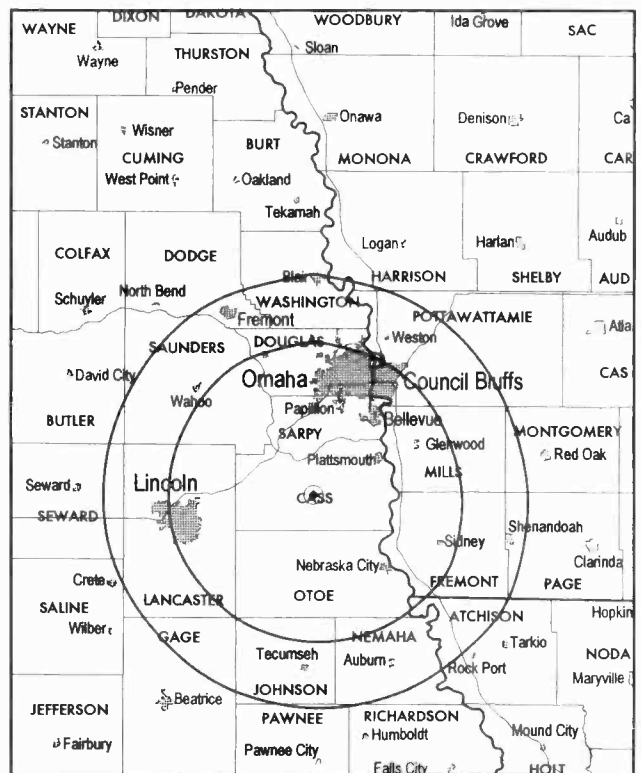
KRRK 93.3 3.6/427



WOW 94.1 100/1184

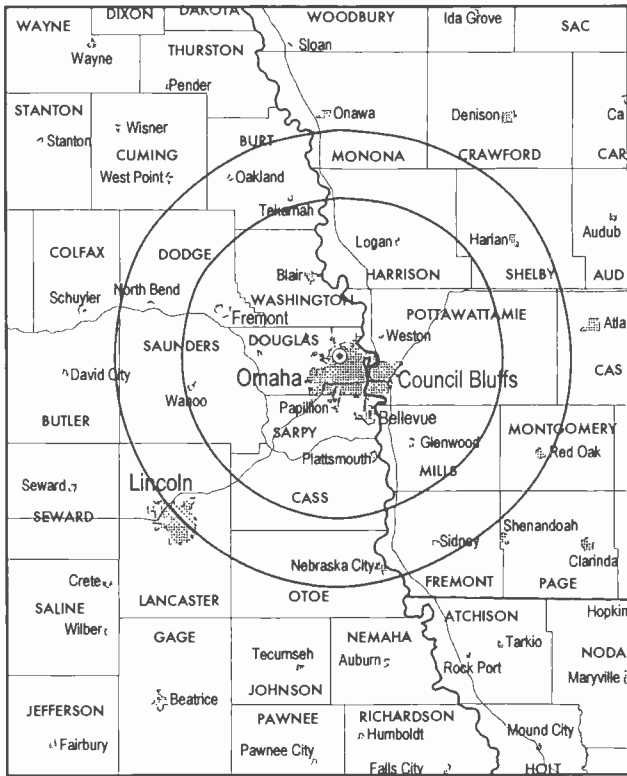


KEFM 96.1 100/1411

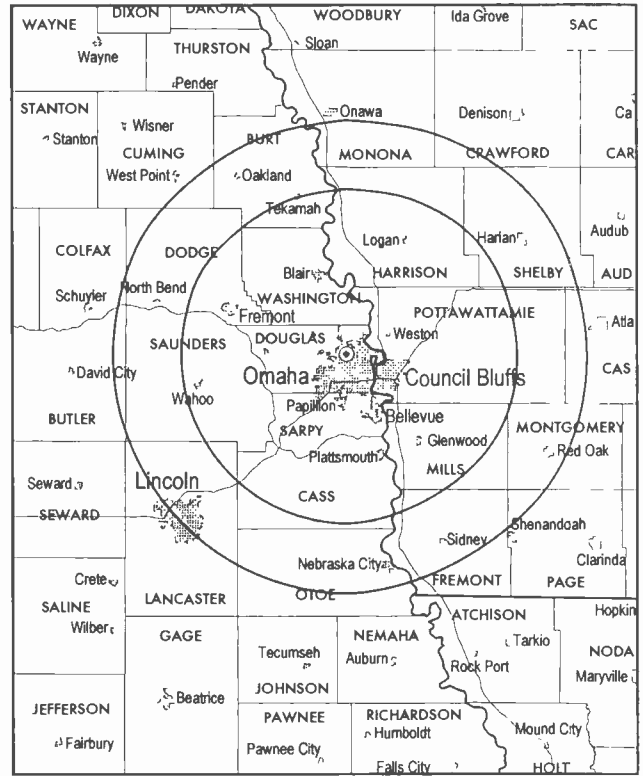


KOSJ 97.7 100/981

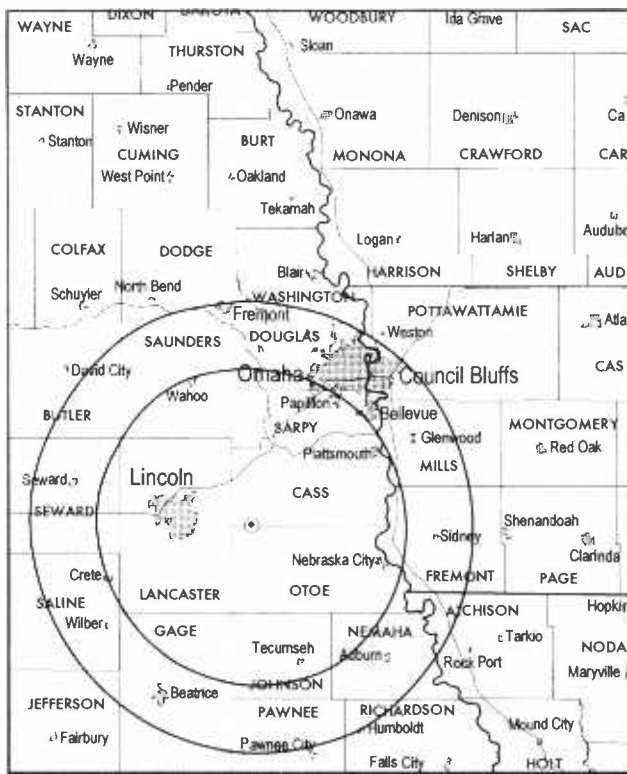
OMAHA



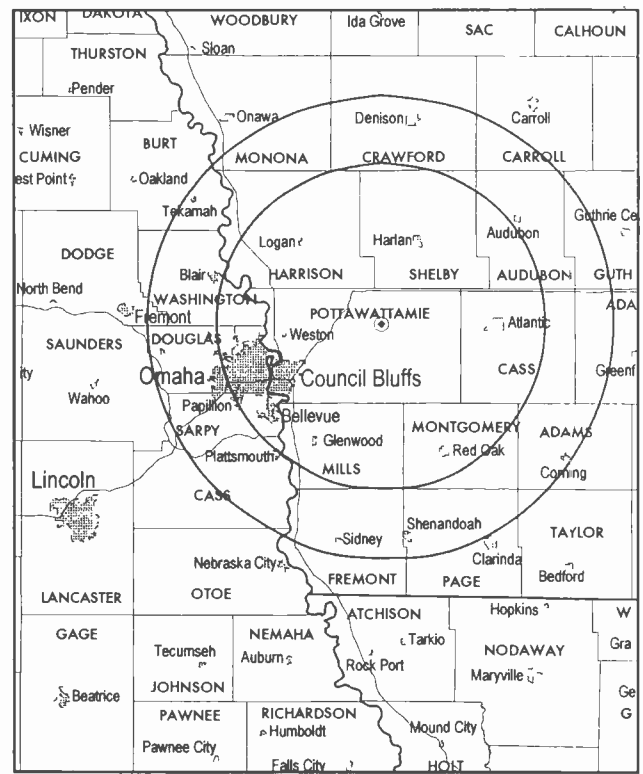
KQKQ 98.5 100/1175



KGOR 99.9 115/1230

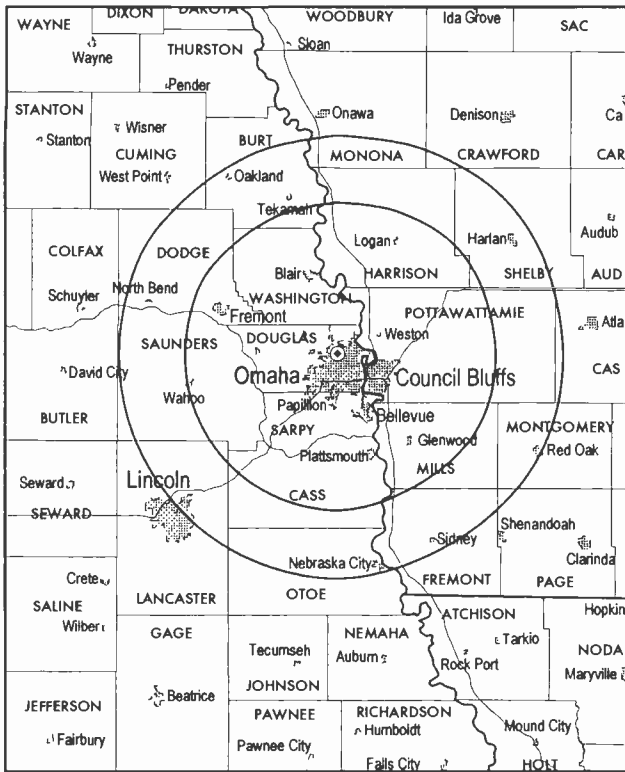


KGDE 101.9 100/1132



KXKT 103.7 100/1247

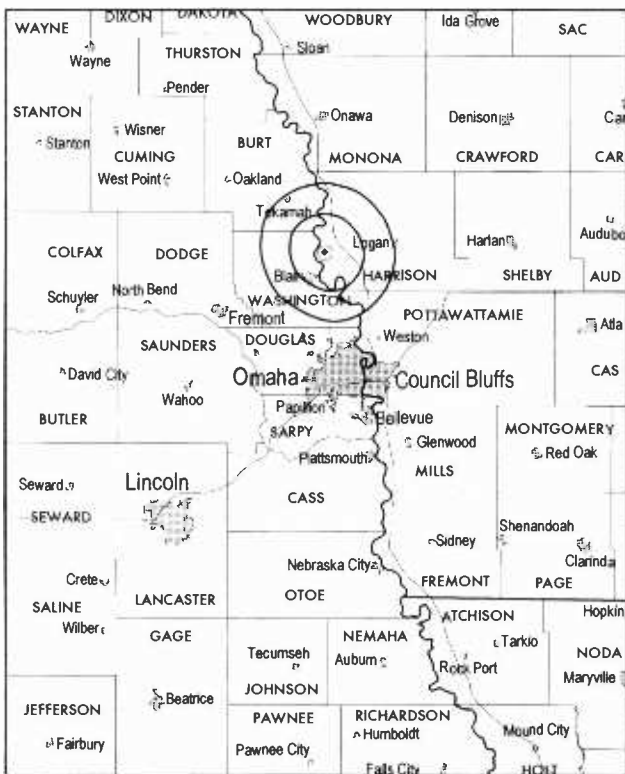
OMAHA



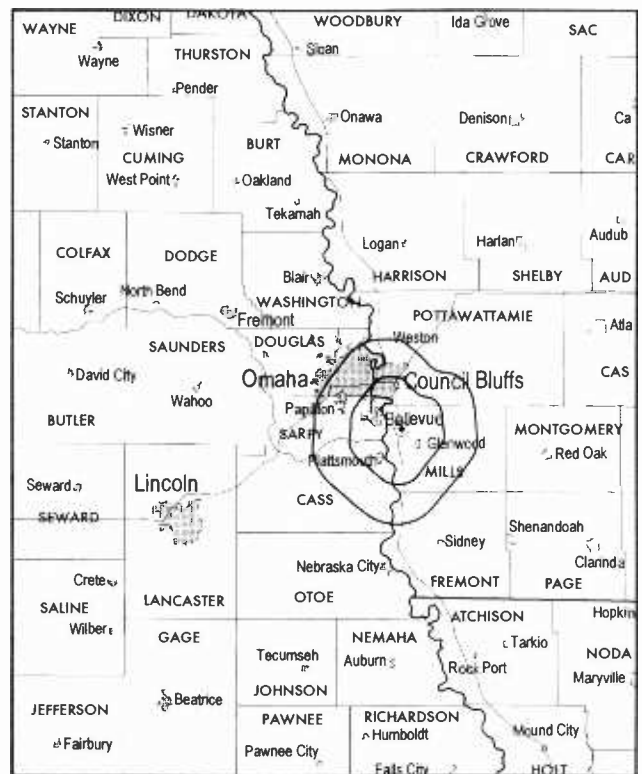
KESY 104.5 100/1086



KKCD 105.9 50/479



KISP 106.3 1.2/459



KOTD 106.9 6/328

ORLANDO

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WWKA Ch. 6/9 tower, Orlando antenna farm, 3.5 mi. N of Bithlo, FL City of License: Orlando, FL	L	92.3	C	100.00	No	1341	408	1608	28 36 08	81 05 37
WCFB 10 mi. WSW of Deland, 2.5 mi. S of FL 42 City of License: Daytona Beach, FL	L	94.5	C	100.00	No	1470	448	1499	28 58 55	81 27 18
WTLN East tower of WTLN-AM 1520, S. Sheeler Rd., 1 mi. S of Apopka City of License: Apopka, FL	L	95.3	A	6.00	Yes	315	96	323	28 39 08	81 29 40
WHTQ Guy Gannett Orlando tower, 20000 Christmas Rd., Orlando antenna farm, near Bithlo City of License: Orlando, FL	L	96.5	C	100.00	No	1598	487	1609	28 34 51	81 04 32
WMMO Inside plexiglas pyramid atop bank building, 200 S. Orange Avenue, downtown Orlando City of License: Orlando, FL	L	98.9	C2	38.00	No	440	134	441	28 32 23	81 22 46
WSHE Ch. 6/9 tower with WWKA 92.3 City of License: Orlando, FL	L	100.3	C	100.00	No	1188	362	1608	28 36 08	81 05 37
WJRR Guy Gannett Orlando tower, Bithlo City of License: Cocoa Beach, FL	L	101.1	C	100.00	No	1598	487	1609	28 34 51	81 04 32
WJHM 520 Miller Rd., 1.2 mi. W of US 17/92, near Ch. 2 tower, Orange City antenna farm City of License: Daytona Beach, FL Note: Holds CP for 61-kw on same antenna	L	101.9	C1	28.20	No	1585	483	1695	28 55 16	81 19 09
WLOQ 4940 W. Pine Avenue, Pine Hills City of License: Winter Park, FL	L	103.1	C3	14.00	No	440	134	453	28 32 22	81 26 46
WTKS Guy Gannett Orlando tower, Bithlo City of License: Cocoa Beach, FL	L	104.1	C	100.00	No	1598	487	1609	28 34 51	81 04 32
WOMX Guy Gannett Orlando tower, Bithlo City of License: Orlando, FL	L	105.1	C	100.00	No	1598	487	1609	28 34 51	81 04 32
WOCL On tower with WJHM 101.9 City of License: Deland, FL	L	105.9	C	100.00	No	1585	483	1695	28 55 16	81 19 09
WXXL 435 W. Story Rd., Winter Garden City of License: Tavares, FL	L	106.7	C1	100.00	No	824	251	939	28 33 31	81 35 38
WMGF On tower with WJHM 101.9 City of License: Mt. Dora, FL	L	107.7	C	100.00	No	1585	483	1695	28 55 16	81 19 09

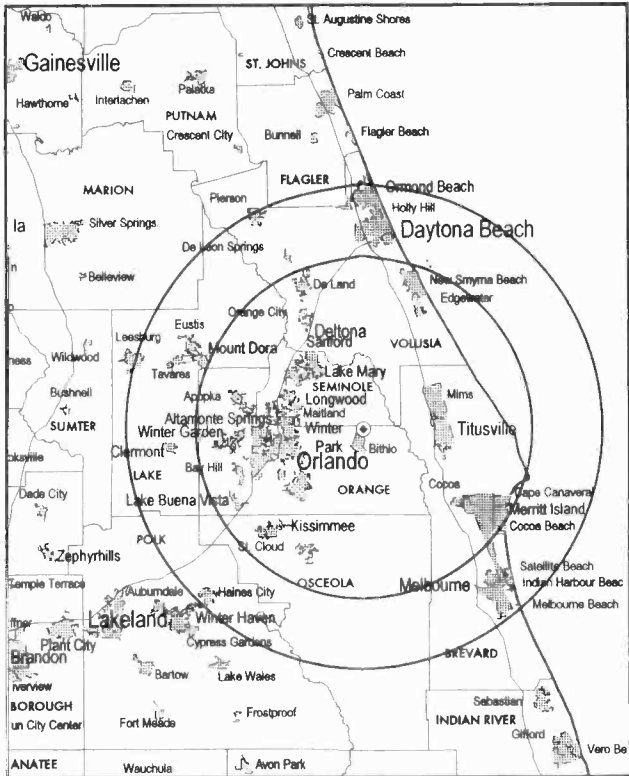
ORLANDO

Market overview/update: One new signal in the past five years. WMMO signed on as a new C2, transmitting from a building in downtown Orlando. It runs 38-kw at 440', slightly under full power for the class. Nonetheless, its coverage is quite competitive, since the transmitter is centered in the middle of the city's population. The antenna is cleverly hidden inside one of four decorative plexiglass pyramids on top of the building. WLOQ upgraded from Class A to Class C3, and from 2.65-kw to 14-kw on a taller tower. WTLN Apopka went from 3-kw to 6-kw. WCFB, already a full C, increased from 1200' to 1470'. Total count on C class stations is now 13.

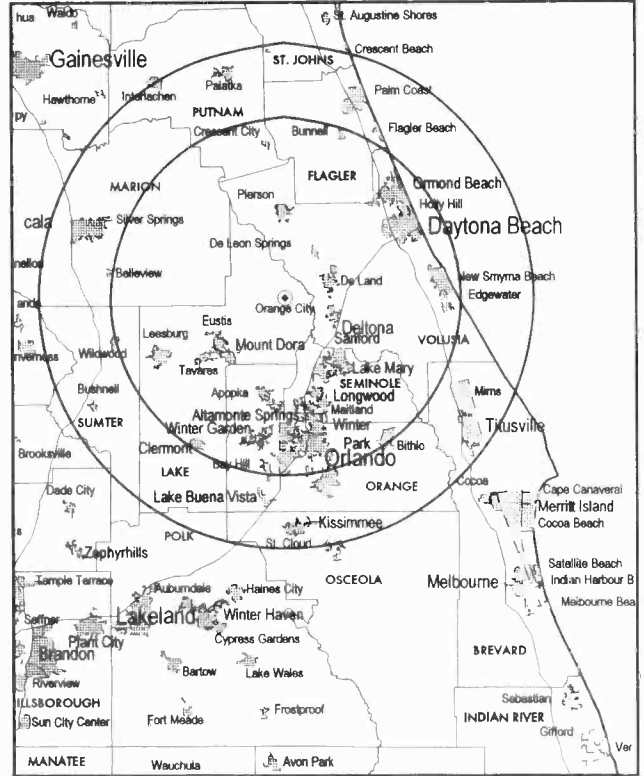


ARBITRON METRO AREA

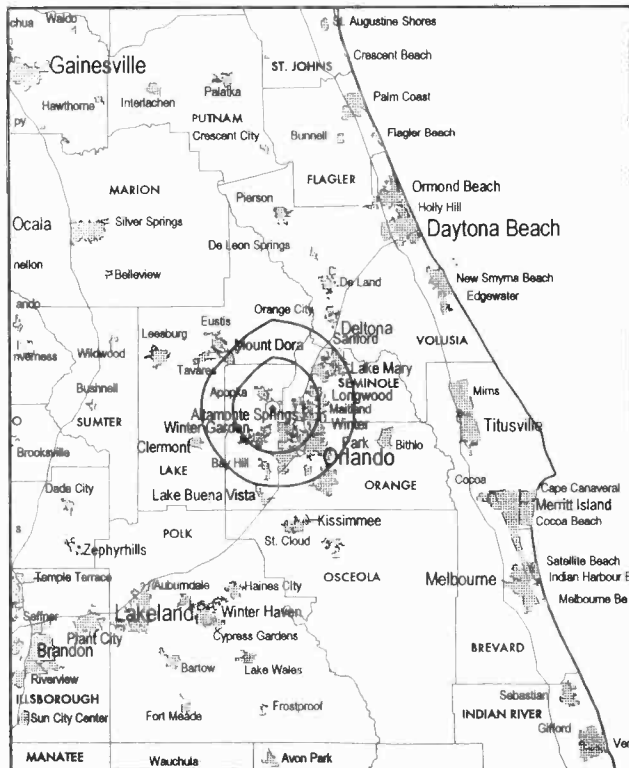
ORLANDO



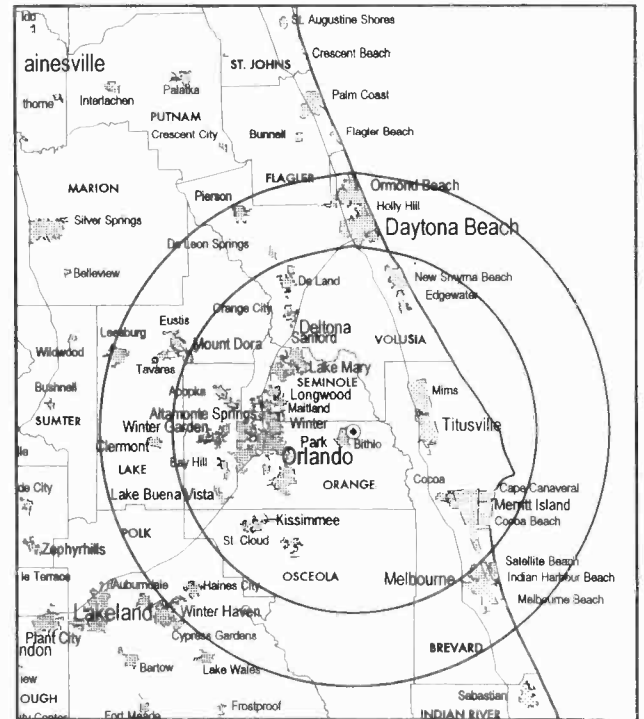
WWKA 92.3 100/1341



WCFB 94.5 100/1470

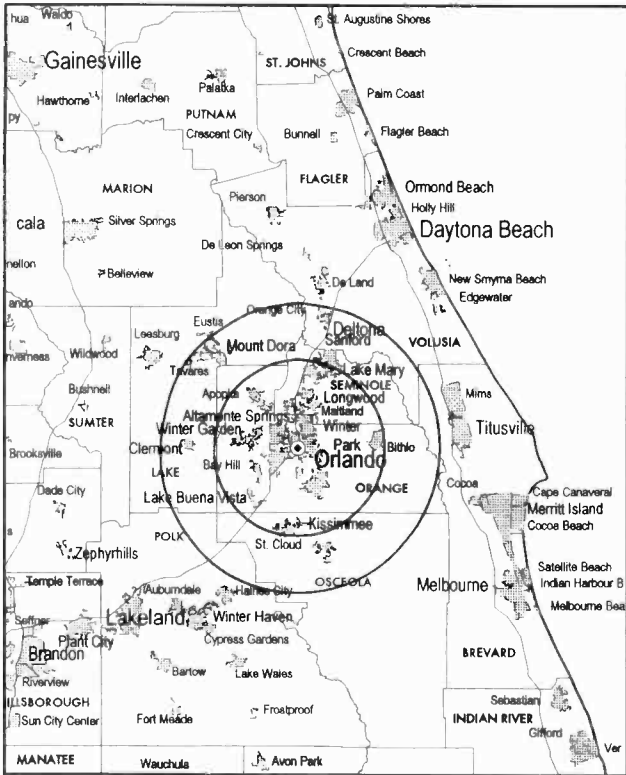


WTLN 95.3 6/315

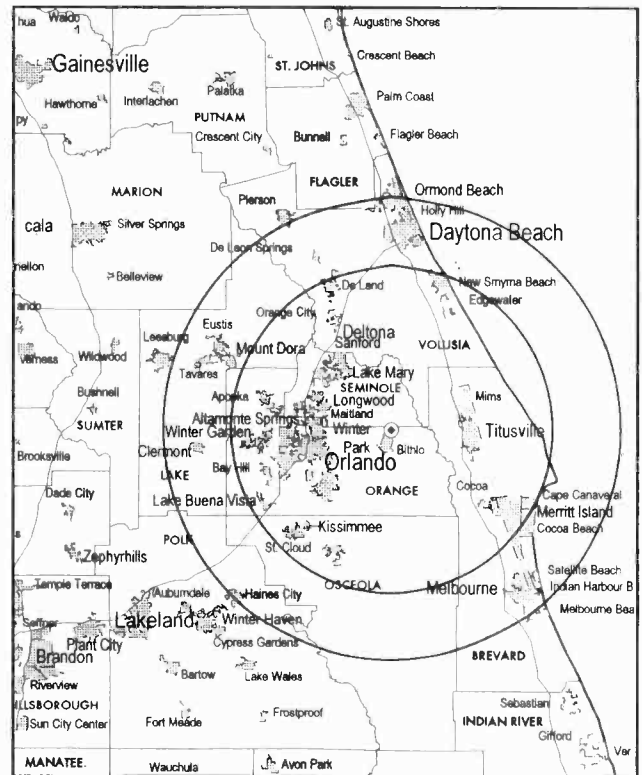


WHTQ 96.5 100/1598
 WJRR 101.1 100/1598
 WTKS 104.1 100/1598
 WOMX 105.1 100/1598

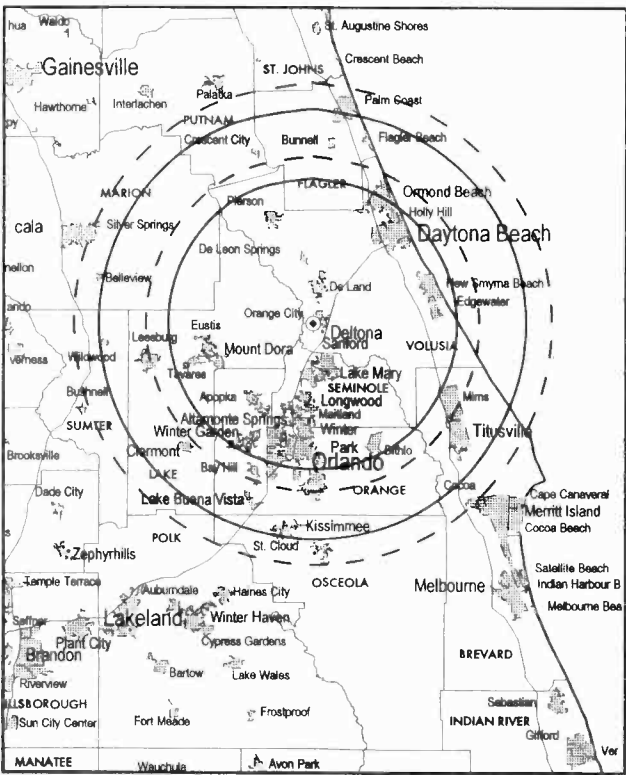
ORLANDO



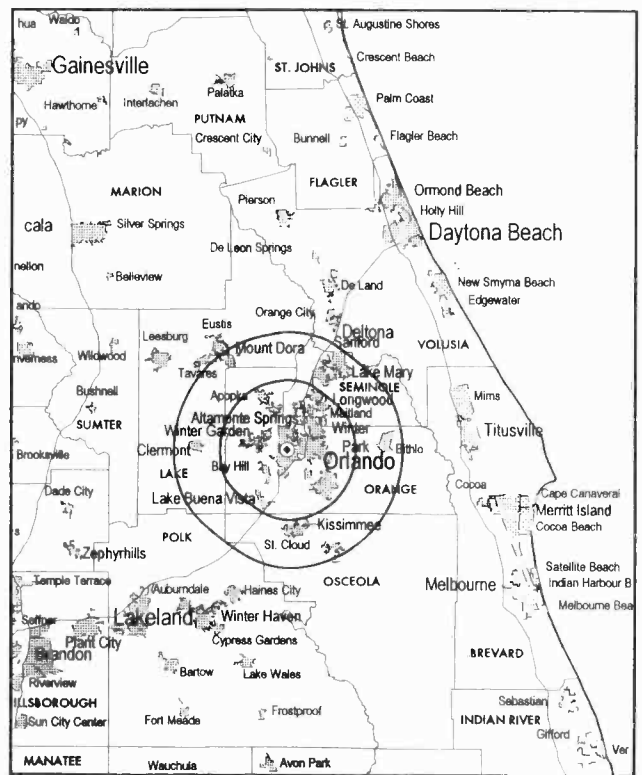
WMMO 98.9 38/440



WSHE 100.3 100/1188

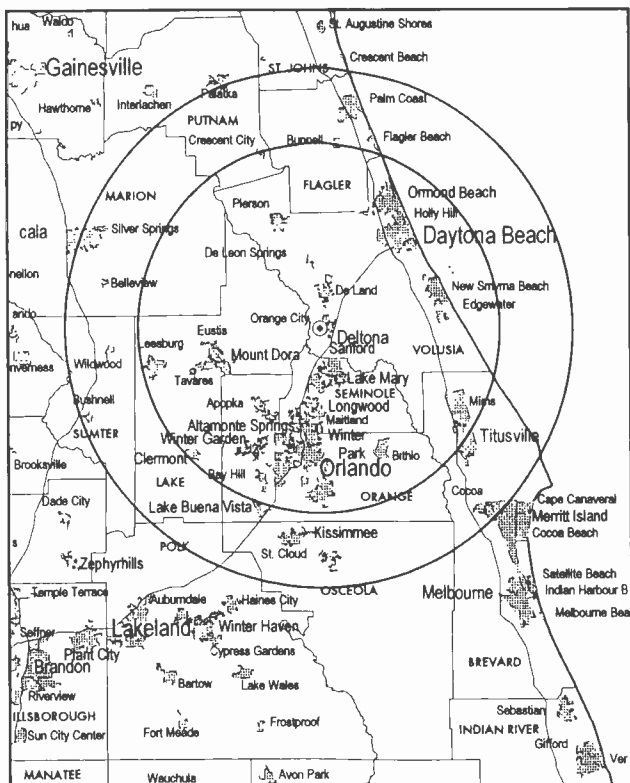


WJHM 101.9 28.2/1585
WJHM CP 101.9 61/1585

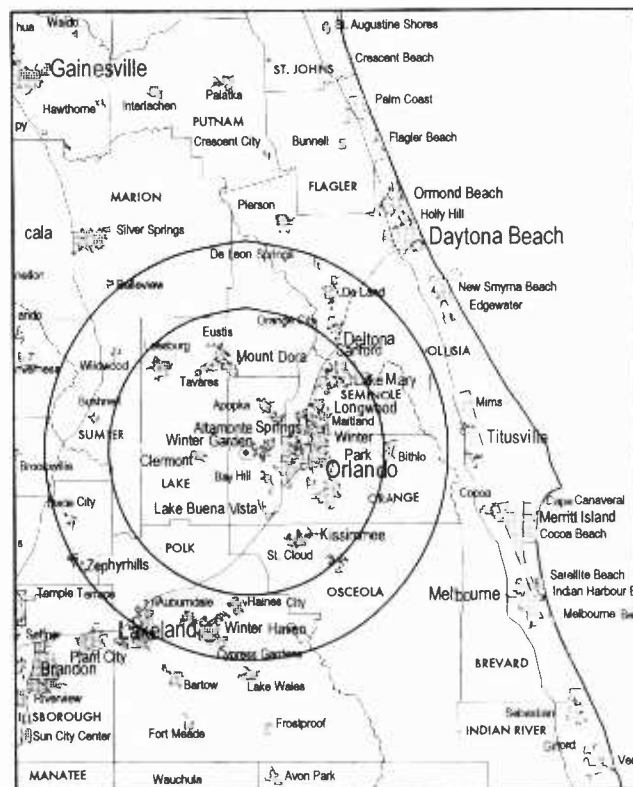


WLOQ 103.1 14/440

ORLANDO



WOCL	105.9	100/1585
WMGF	107.7	100/1585



WXXL	106.7	100/824
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PHILADELPHIA

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WXTU Ch. 57 tower, Philadelphia antenna farm, Roxborough City of License: Philadelphia, PA	L	92.5	B	15.50	Yes	900	274	1179	40 02 21	75 14 13
WMMR Spire of One Liberty Place, 1650 Market Street, downtown Philadelphia City of License: Philadelphia, PA	L	93.3	B	18.00	No	827	252	960	39 57 09	75 10 05
WYSP Ch. 17 tower, Philadelphia antenna farm, Roxborough City of License: Philadelphia, PA	L	94.1	B	16.00	No	900	274	1144	40 02 30	75 14 24
WFLN 8200 Ridge Ave., Upper Roxborough City of License: Philadelphia, PA	L	95.7	B	50.00	No	502	153	351	40 03 33	75 14 20
WWDB Ch. 57 tower with WXTU 92.5 City of License: Philadelphia, PA	L	96.5	B	17.00	No	865	264	1179	40 02 21	75 14 13
WOGL Ch. 10 tower, Philadelphia antenna farm, Roxborough City of License: Philadelphia, PA	L	98.1	B	12.50	No	1000	305	1139	40 02 31	75 14 11
WUSL Ch. 10 tower with WOGL 98.1 City of License: Philadelphia, PA	L	98.9	B	18.00	No	830	253	1139	40 02 31	75 14 11
WPLY S of PA 3, 1.3 mi. SW of Newtown Square, PA City of License: Media, PA	L	100.3	B	35.00	Yes	600	183	499	39 58 29	75 25 22
WBEB Ch. 57 tower with WXTU 92.5 City of License: Philadelphia, PA	L	101.1	B	14.00	No	940	287	1179	40 02 21	75 14 13
WIOQ Adjacent to Ch. 6 tower, Philadelphia antenna farm, Roxborough City of License: Philadelphia, PA	L	102.1	B	27.00	No	670	204	653	40 02 37	75 14 32
WMGK Ch. 57 tower with WXTU 92.5 City of License: Philadelphia, PA	L	102.9	B	8.50	No	1180	360	1179	40 02 21	75 14 13
WBF Ch. 29 tower, Philadelphia antenna farm, Roxborough City of License: Jenkintown, PA	L	103.9	A	0.34	No	1000	305	1190	40 02 26	75 14 20
WYXR Ch. 17 tower with WYSP 94.1 City of License: Philadelphia, PA	L	104.5	B	16.50	No	873	266	1144	40 02 30	75 14 24
WDAS Ch. 17 tower with WYSP 94.1 City of License: Philadelphia, PA	L	105.3	B	16.50	No	873	266	1144	40 02 30	75 14 24

PHILADELPHIA

WJZ L 106.1 B 22.50 No 740 226 562 40 04 58 75 10 54

1230-1300 Mermaid Lane, Wyndmoor, NE of Chestnut Hill
City of License: Philadelphia, PA

Market overview/update: Only two facility changes of note in the past five years. WDAS has increased from 3.3-kw to 16.5-kw. Its antenna remains on the Ch. 17 tower in the Roxborough antenna farm. WMMR moved from atop the PSFS Building to the spire of the tallest building in the new Liberty Place complex. Since the move was from one downtown building to another, theoretical coverage changes very little. The move does reduce multipath interference resulting from the construction of several new tall buildings. WPLY Media has applied to move from its current transmitter site in Newtown Square to the Roxborough antenna farm.



ARBITRON METRO AREA

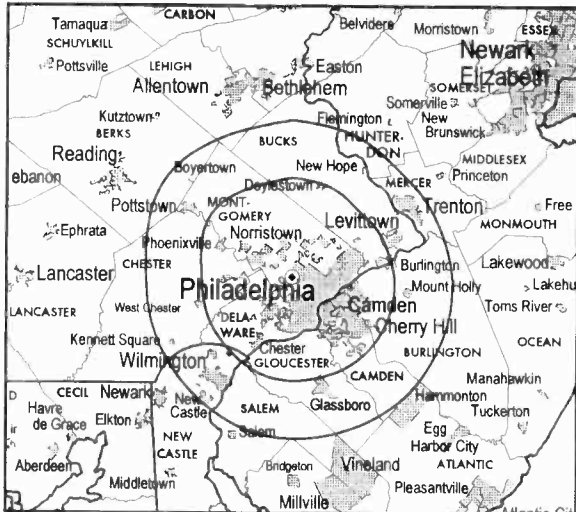
PHILADELPHIA



WXTU 92.5 15.5/900



WMMR 93.3 18/827



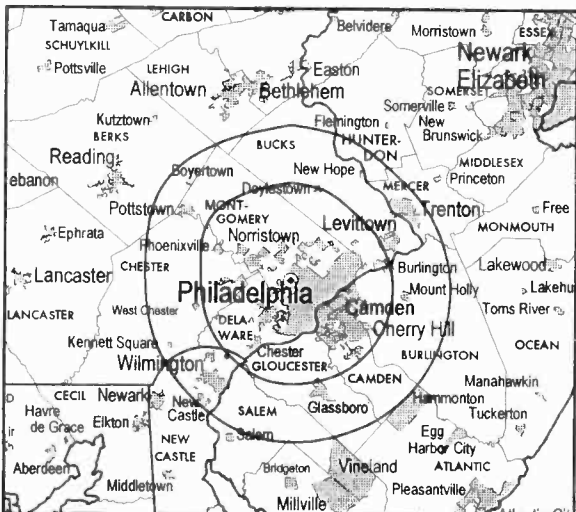
WYSP 94.1 16/900

WYXR 104.5 16.5/873

WDAS 105.3 16.5/873



WFLN 95.7 50/502



WWDB 96.5 17/865

WBEB 101.1 14/940

WMGK 102.9 8.5/1180



WOGL 98.1 12.5/1000

WUSL 98.9 18/830

PHILADELPHIA



WPLY 100.3 35/600



WIOQ 102.1 27/670



WIBF 103.9 340w/1000



WJJZ 106.1 22.5/740

PHOENIX

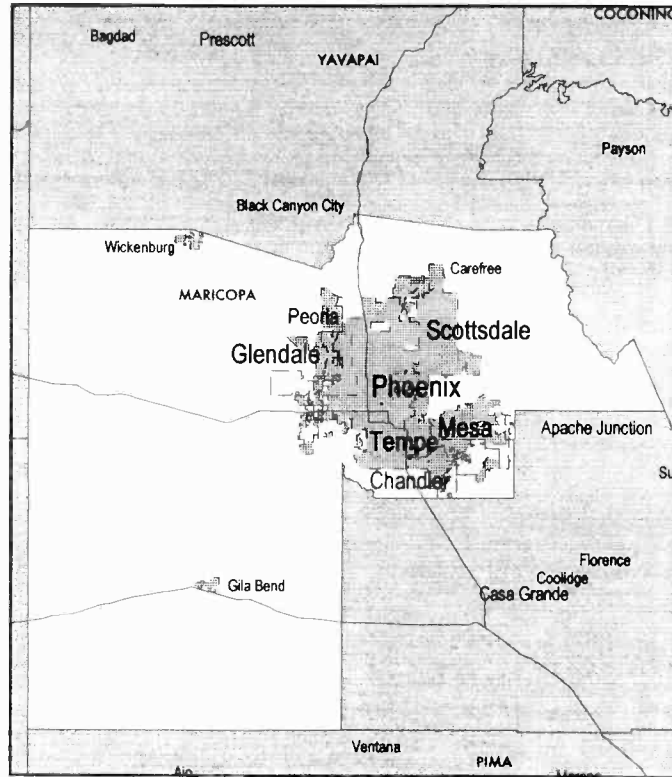
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KKFR Ch. 15/33 tower, antenna farm, Phoenix South Mountain Park, 8 mi. S of downtown Phoenix City of License: Glendale, AZ	L	92.3	C	100.00	No	1647	502	282	33 20 00	112 03 46
KDKB South Mountain Park antenna farm City of License: Mesa, AZ	L	93.3	C	100.00	No	1540	469	200	33 20 04	112 03 36
KOOL South Mountain Park antenna farm City of License: Phoenix, AZ	L	94.5	C	100.00	No	1655	504	270	33 20 02	112 03 42
KYOT South Mountain Park antenna farm City of License: Phoenix, AZ	L	95.5	C	100.00	No	1570	479	200	33 20 06	112 03 39
KHTC South Mountain Park antenna farm City of License: Phoenix, AZ	L	96.9	C	100.00	No	1560	475	243	33 20 03	112 03 36
KUPD South Mountain Park antenna farm City of License: Tempe, AZ	L	97.9	C	100.00	No	1620	494	243	33 19 58	112 03 53
KKLT South Mountain Park antenna farm City of License: Phoenix, AZ	L	98.7	C	100.00	No	1788	545	374	33 19 58	112 03 48
KESZ Ch. 5 tower, South Mountain Park antenna farm City of License: Phoenix, AZ	L	99.9	C	100.00	No	1670	509	383	33 20 02	112 03 40
KESZ CP Ch. 3 tower, South Mountain Park antenna farm City of License: Phoenix, AZ Note:	C	99.9	C	100.00	No	1702	519	345	33 20 01	112 03 44
KHOT Off Russell Gulch Rd., slope of Pinal Peak, 8.5 mi S of Globe City of License: Globe, AZ	L	100.3	C	90.00	No	2047	624	200	33 17 23	110 51 53
KSLX South Mountain Park antenna farm City of License: Scottsdale, AZ	L	100.7	C	100.00	No	1840	561	423	33 19 53	112 03 47
KZON South Mountain Park antenna farm City of License: Phoenix, AZ	L	101.5	C	100.00	No	1740	530	353	33 19 52	112 03 46
KNIX South Mountain Park antenna farm City of License: Phoenix, AZ	L	102.5	C	100.00	No	1620	494	243	33 19 58	112 03 53

PHOENIX

KOAZ	L	103.5	C	62.00	No	2428	740	551	33 35 33	112 34 49
Northeast Peak, White Tank Mountains, N of Buckeye, AZ										
City of License: Glendale, AZ										
KZZP	L	104.7	C	100.00	No	1550	472	200	33 20 04	112 03 36
On tower with KDKB 93.3										
City of License: Mesa, AZ										
KBUQ	L	105.9	C3	8.20	No	571	174	131	33 35 16	111 45 38
Motorola Communications site, Fountain Hills, 7 mi ENE of Paradise Valley										
City of License: Paradise Valley, AZ										
KEDJ	L	106.3	C2	23.00	No	725	221	138	33 57 21	112 28 34
S of Castle Hot Springs Rd., 6.8 Mi SE of Castle Hot Springs, 15 Mi E of Wickenburg, Yavapai County										
City of License: Sun City, AZ										
KEDJ CP	C	106.3	C2	50.00	No	492	150	653	33 48 46	112 28 58
3.6 mi NE of Wittman City, Maricopa County										
City of License: Sun City, AZ										
KVVA	L	107.1	A	2.50	No	320	98	50	33 26 48	111 37 32
1702 N. Crimson Rd., Apache Junction										
City of License: Apache Junction, AZ										
Note: Holds CP to increase to 25-kw/320' at present site										
KMLE	L	107.9	C	100.00	No	1736	529	371	33 20 03	112 03 43
Ch. 10 tower, South Mountain Park antenna farm										
City of License: Chandler, AZ										

Market overview/update: Most of Phoenix's FM stations transmit from the city's antenna farm on a ridge in South Mountain Park, eight miles south of downtown Phoenix. South Mountain is a near-ideal transmitter site, and stations located there experience shadowing only in parts of Paradise Valley immediately north of the Phoenix Mountains. Since our first edition, KKLT dropped from 115-kw to 100-kw, but moved to a taller tower. KTWC signed on as a new Class C transmitting from the White Tank Mountains west of Phoenix. KEDJ Sun City has upgraded from a Class A to Class C2 with 23-kw from a site in Yavapai County. A move to a second C2 site (closer to Phoenix) is in the works. KBUQ Paradise Valley signed on as a new C3. KVVA in Apache Junction has not been able to license its proposed 25-kw upgrade due to opposition from the FAA.

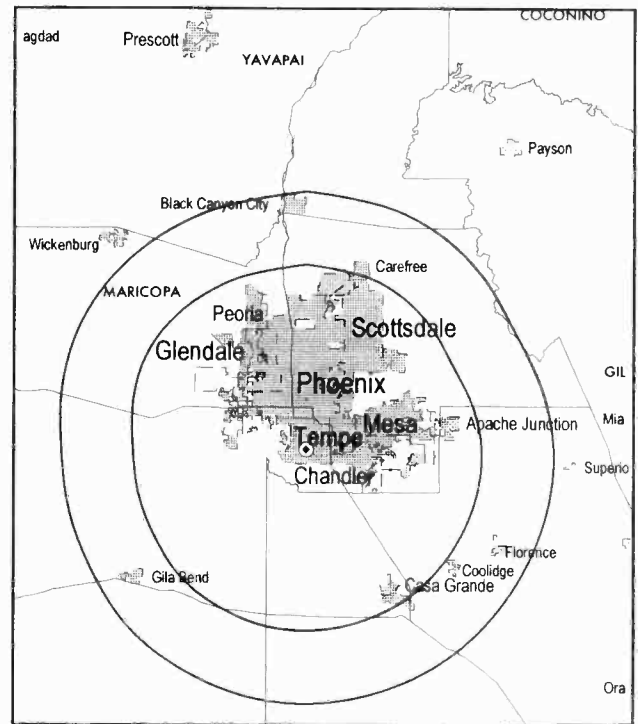
PHOENIX



ARBITRON METRO AREA

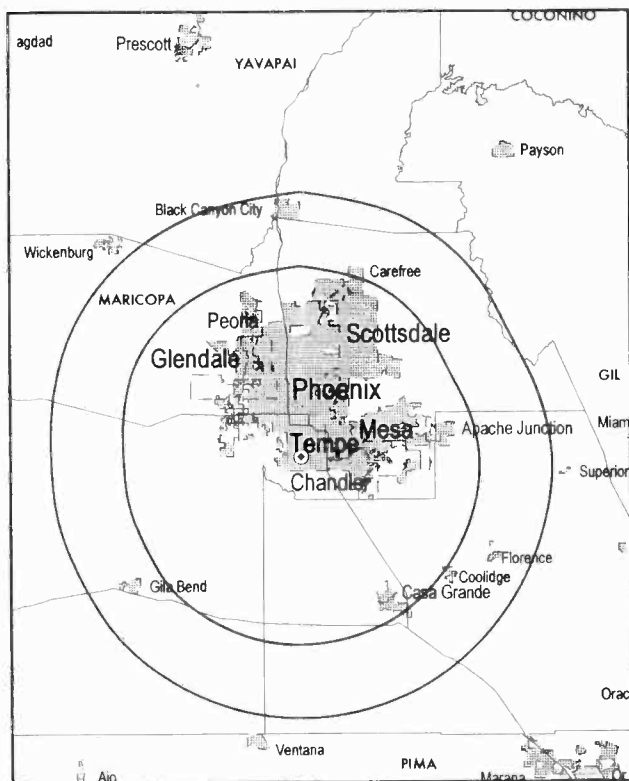


KKFR	92.3	100/1647
KOOL	94.5	100/1655



KDKB	93.3	100/1540
KYOT	95.5	100/1570
KHTC	96.9	100/1560
KZZP	104.7	100/1550

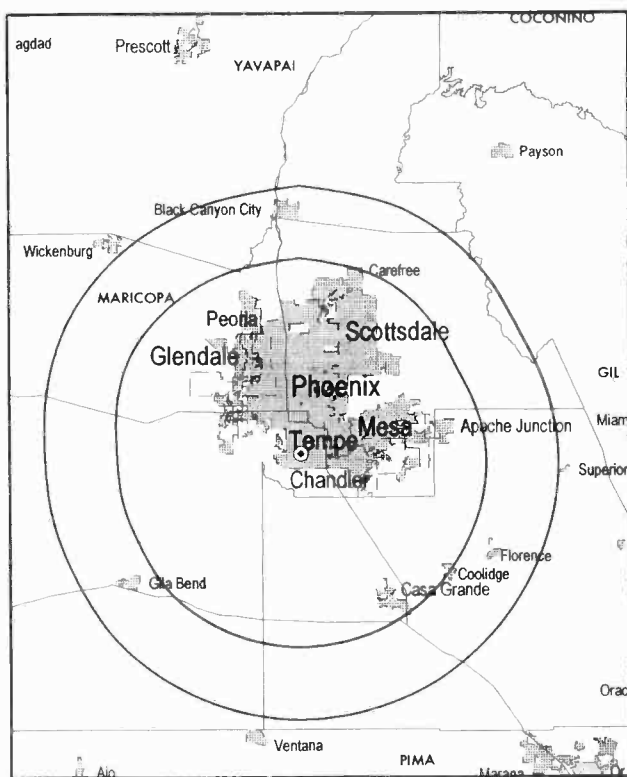
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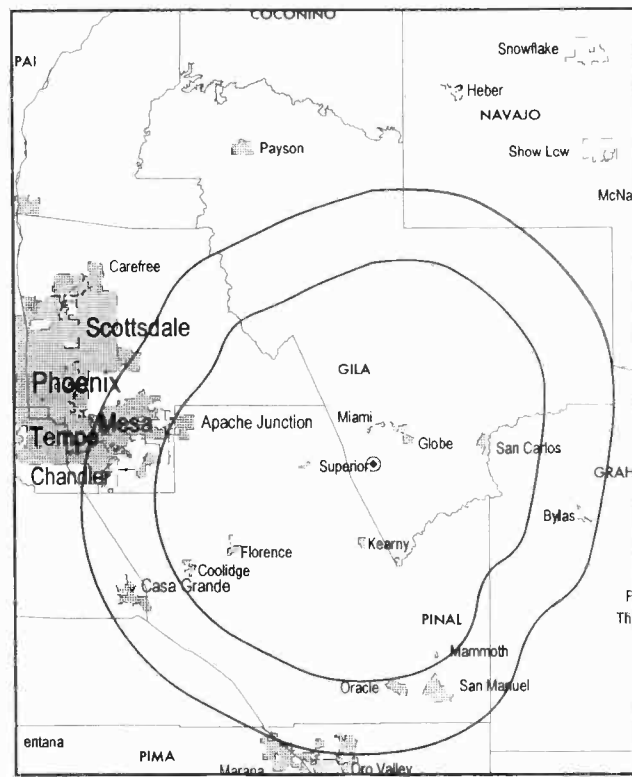
KUPD	97.9	100/1620
KNIX	102.5	100/1620



KKLT	98.7	100/1788
KSLX	100.7	100/1840

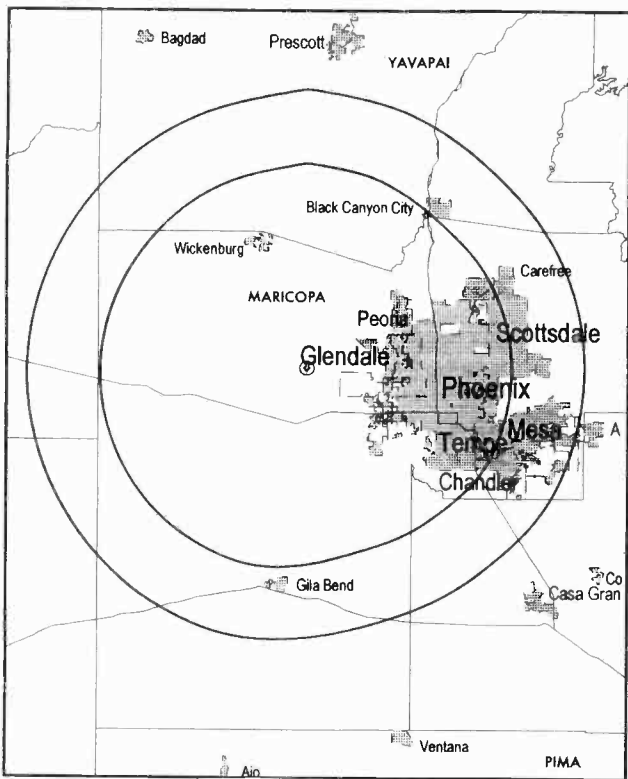


KESZ	99.9	100/1670
KESZ CP	99.9	100/1702
KZON	101.5	100/1740
KMLE	107.9	100/1736

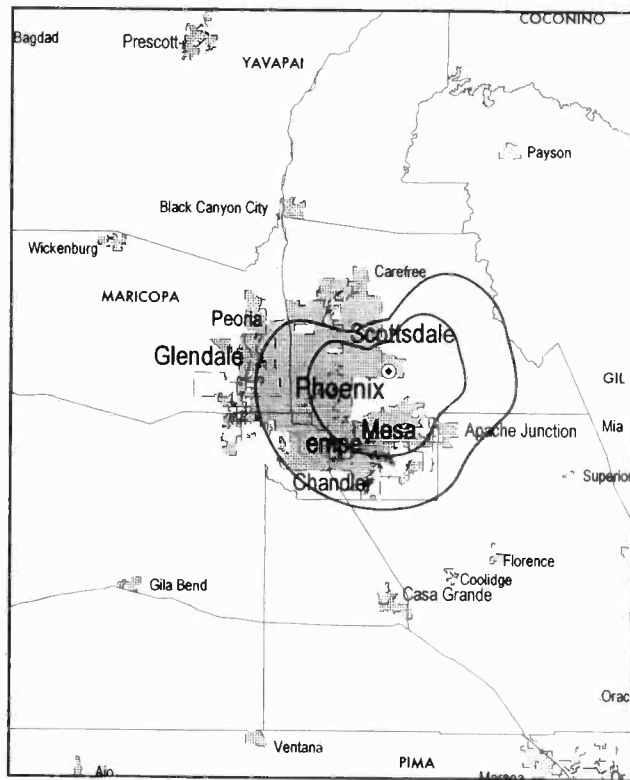


KHOT	100.3	90/2047
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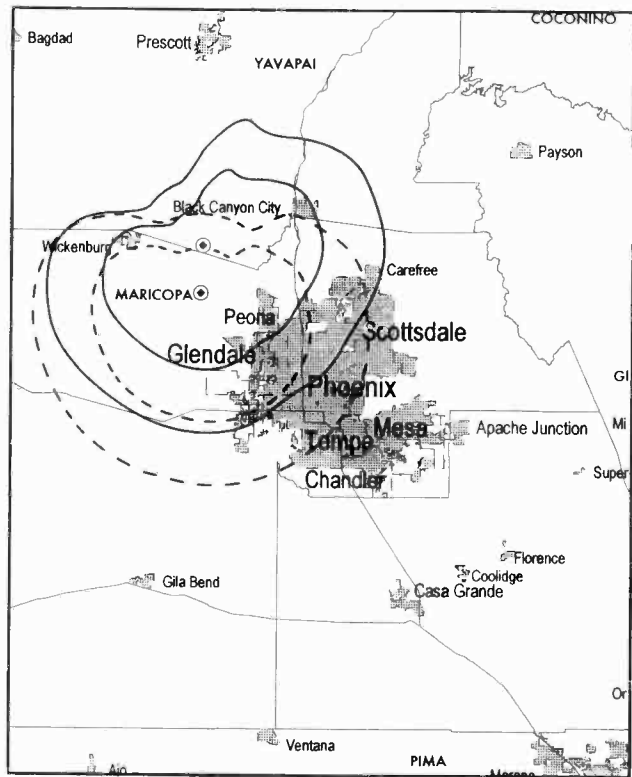
PHOENIX



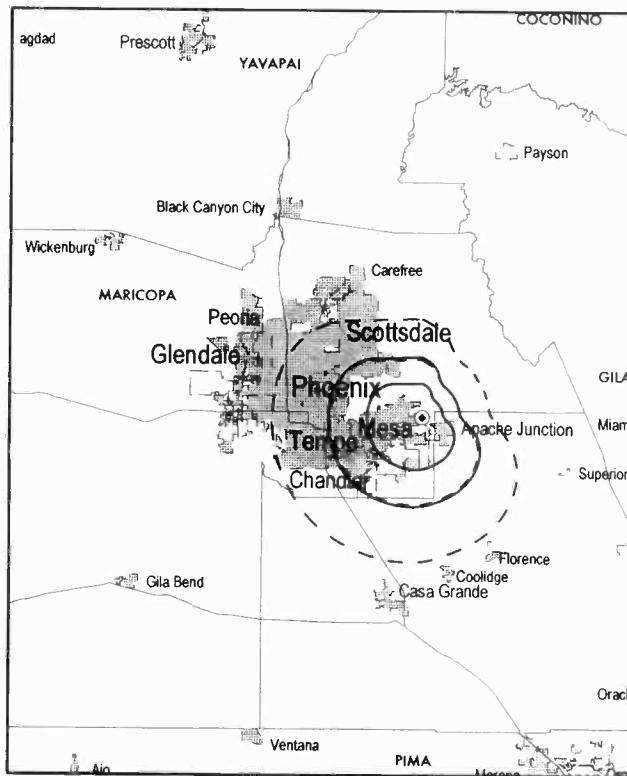
KOAZ 103.5 62/2428



KBUQ 105.9 8.2/571



KEDJ 106.3 23/725
KEDJ CP 106.3 50/492



KWVA 107.1 2.5/320
KWVA CP 107.1 25/320

PITTSBURGH

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WLTJ Ch. 2 tower, 4101 Grizella St., Pittsburgh City of License: Pittsburgh, PA	L	92.9	B+	47.10	No	894	271	683	40 29 38	80 01 09
WBZZ 1715 Grandview, Mt. Washington, Pittsburgh City of License: Pittsburgh, PA	L	93.7	B	41.00	No	547	168	456	40 26 28	80 01 32
WWSW Ch. 11 tower, Fineview Hill, 341 Rising Main Ave., Pittsburgh City of License: Pittsburgh, PA	L	94.5	B+	50.00	No	810	247	848	40 27 47	80 00 17
WVTY SW tower, WTAE-AM 1250 array, Agnew Rd., Baldwin Borough, Pittsburgh City of License: Pittsburgh,	L	96.1	B	44.00	No	522	159	329	40 23 49	79 57 43
WRRK 560 Manitoba at Tesla, adjacent to Calvary Cemetery, Pittsburgh City of License: Braddock, PA	L	96.9	B	45.00	No	530	162	415	40 24 42	79 55 53
WSHH On Ch. 11 tower with WWSW 94.5 City of License: Pittsburgh, PA	L	99.7	B	10.60	No	928	283	848	40 27 47	80 00 17
WZPT Ch. 53 tower, 750 Ivory Avenue, Pittsburgh City of License: New Kensington, PA	L	100.7	B	17.00	Yes	850	259	736	40 29 43	80 00 18
WORD 3201 Mt. Troy Rd., Reserve Township City of License: Pittsburgh, PA	L	101.5	B	48.00	No	505	154	328	40 29 02	79 59 34
WDVE On Ch. 2 tower with WLTJ 92.9 City of License: Pittsburgh, PA	L	102.5	B+	55.00	No	820	250	683	40 29 38	80 01 09
WJJJ On Ch. 53 tower with WZPT 100.7 City of License: Pittsburgh, PA	L	104.7	B	19.00	Yes	794	242	736	40 29 43	80 00 18
WXDX South tower, WYJZ-AM 860 array, Irwin Lane, 0.8 mi. NW of Millvale City of License: Pittsburgh, PA	L	105.9	B+	72.00	No	430	131	286	40 29 27	79 58 55
WAMO WBVP-AM 1230 tower, Marion Hill, 0.5 mi. E of New Brighton, Beaver County City of License: Beaver Falls, PA Note: Has filed application to purchase WSSZ Greensburg (107.1) for WAMO simulcast	L	106.7	B	47.00	Yes	518	158	519	40 44 16	80 17 47
WSSZ Adamsburg, PA, 0.2 mi. N of intersection of Adamsburg Rd. and Old Lincoln Hwy. City of License: Greensburg, PA Note: Proposed simulcast with WAMO 106.7 Beaver Falls	L	107.1	A	1.60	No	449	137	471	40 18 57	79 39 22

PITTSBURGH

WDSY L 107.9 B 50.00 No 500 152 384 40 28 20 79 59 41

WEEP-AM 1080 pre-sunrise/post-sunset tower, 2500 East Lane, Spring Hill, Pittsburgh

City of License: Pittsburgh, PA

WDSY CP C 107.9 B 17.70 No 827 252 864 40 28 20 79 59 41

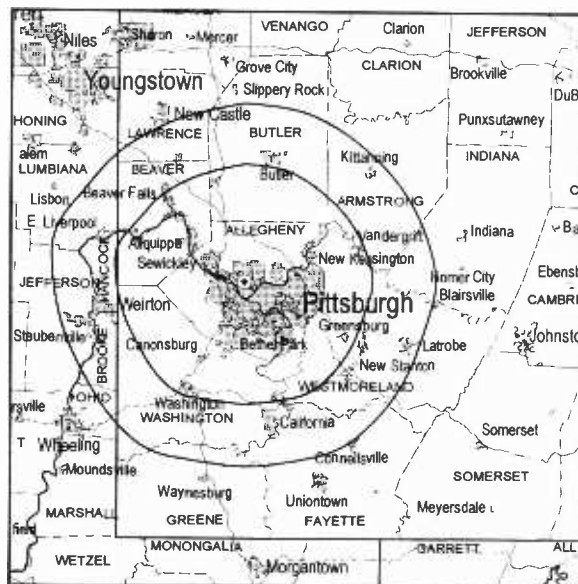
New tower at presently licensed site

City of License: Pittsburgh, PA

Market overview update: Two major upgrades in the past five years. WZPT (100.7) and WJJJ (104.7) have both moved from transmitter sites well to the northeast of the city to the Ch. 53 tower in Pittsburgh. Coverage for both is now at parity with other Pittsburgh Bs, except for directional pull-ins to the west. These affects are minimized by the fact that the Ch. 53 tower is on the west side of the city. WAMO sold its 105.9 facility to Secret, in exchange for the 106.7 facility in Beaver Falls. WAMO has purchased the former WSSZ-FM facility (107.1) in Greensburg as a simulcast partner for eastern metro coverage.



ARBITRON METRO AREA



WLJT 92.9 47.1/894

PITTSBURGH



WBZZ 93.7 41/547



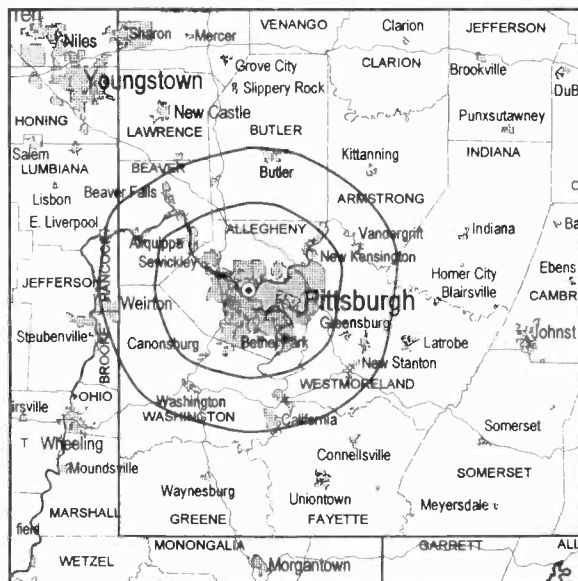
WWSW 94.5 50/810



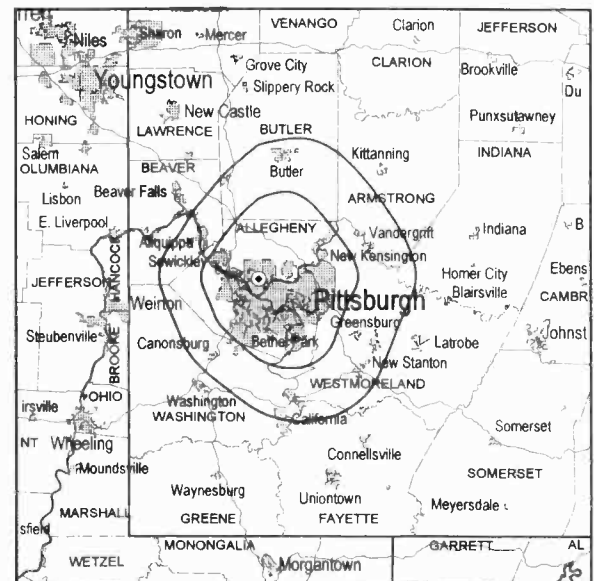
WVTY 96.1 44/522



WRRK 96.9 45/530

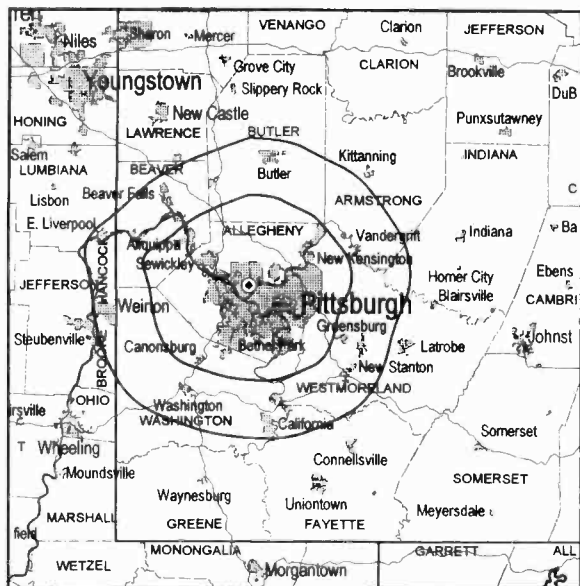


WSHH 99.7 10.6/928

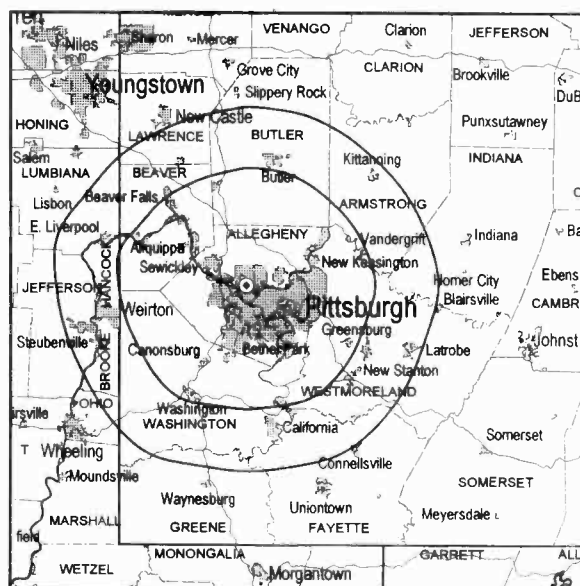


WZPT 100.7 17/850

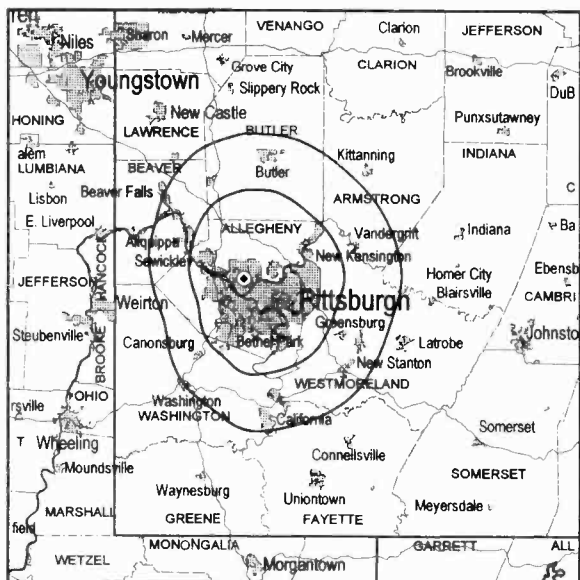
PITTSBURGH



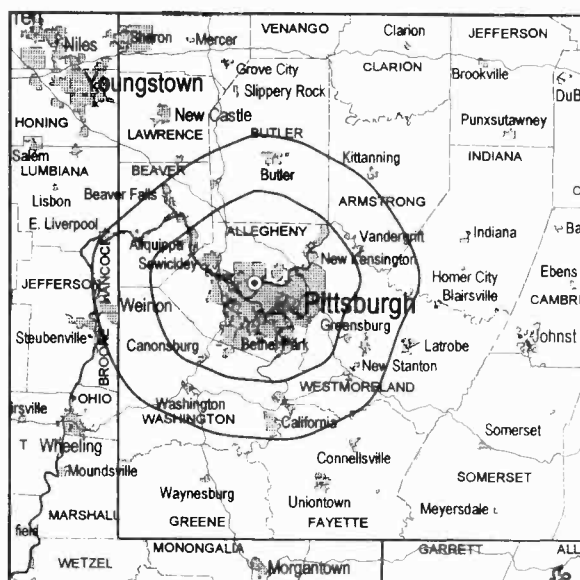
WORD 101.5 48/505



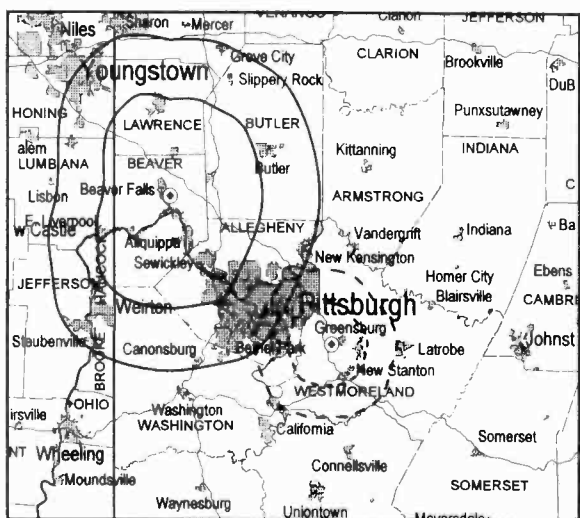
WDVE 102.5 55/820



WJJJ 104.7 19/794



WXDX 105.9 72/430



WAMO 106.7 47/518
WSSZ 107.1 1.6/449

(proposed simulcast with WAMO)



WDSY 107.9 50/500
WDSY CP 107.9 17.7/827

PORTLAND

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KGON Ackerley tower, end of Council Crest Dr., Healy Heights, Portland City of License: Portland, OR	L	92.3	C	100.00	No	1268	386	603	45 29 20	122 41 40
KPDQ Ackerley tower, Healy Heights City of License: Portland, OR	L	93.7	C	100.00	No	1268	386	603	45 29 20	122 41 40
KNRK 9790 SE Eastview Drive, Mt. Scott, adjacent to KKPZ-AM 1330 array City of License: Camas, WA Note:	L	94.7	C3	3.70	Yes	850	259	133	45 27 08	122 32 47
KXL 4636 SW Council Crest Dr., Healy Heights, Portland, adjacent to Ackerley tower City of License: Portland, OR	L	95.5	C	100.00	No	990	302	247	45 29 23	122 41 47
KKSN Ackerley tower, Healy Heights City of License: Portland, OR	L	97.1	C	100.00	No	1268	386	603	45 29 20	122 41 40
KUPL Center tower, KKPZ-AM 1330 array, 9700 SE Eastview Dr., Mt. Scott City of License: Portland, OR	L	98.5	C	100.00	No	1106	337	438	45 27 13	122 32 45
KWJJ Ackerley tower, Healy Heights City of License: Portland, OR	L	99.5	C1	52.00	No	1268	386	603	45 29 20	122 41 40
KKRZ Ch. 49 tower, 211 NW Miller Rd., Portland antenna farm City of License: Portland, OR	L	100.3	C	100.00	No	1434	437	1081	45 31 22	122 45 07
KUFO Ch. 6 tower, SW Skyline Blvd. at Barnes Rd., Portland antenna farm City of License: Portland, OR	L	101.1	C	100.00	No	1640	500	989	45 30 58	122 43 59
KINK Ch. 8 tower, 299 NW Skyline Blvd., Portland antenna farm City of License: Portland, OR	L	101.9	C	100.00	No	1674	510	926	45 31 21	122 44 46
KKCW Ch. 49 tower with KKRZ 100.3 City of License: Beaverton, OR	L	103.3	C	100.00	No	1654	504	1081	45 31 22	122 45 07
KKRH High Camp Lookout, Cascade Mtns., 14.5 mi. SE of Molalla (El. 4700') City of License: Salem, OR	L	105.1	C	100.00	No	1840	561	289	45 00 28	122 20 05
KKJZ SE Ridgeway Dr., Mt. Scott City of License: Lake Oswego, OR	L	106.7	C1	100.00	No	880	268	150	45 27 17	122 32 58
KDBX Ch. 49 tower with KKRZ 100.3 & KKCW 103.3 City of License: Banks, OR	L	107.5	C2	6.30	No	1332	406	1081	45 31 22	122 45 07

PORTLAND

Market overview/update: The four-station Ackerley Tower in Portland's Healy Heights area is one of the most significant new FM facilities constructed since the first edition of our book was published. It is noteworthy for several reasons. It carries three full Cs and a C1 on a Jampro "spiral" master antenna. It addresses long-standing concerns about RF levels in the Council Crest/Healy Heights neighborhood by raising the stations' center of radiation much higher above ground level, and hence, farther from the surrounding homes. Since the ridge is quite narrow, a guyed tower was not feasible. And rather than construct a standard self-supporting tower with an open steel superstructure, Ackerley built a most unique tower. Three large cylindrical legs slant in to a narrow point 2/3 of the way up, then spread out slightly to support a platform at the top. An elevator rises through one of the legs. It looks like a smaller edition of San Francisco's Mt. Sutro tower. It stands at the site of KKSJ's former tower, and adjacent to the 247' KXL tower. KGON, KPdq and KKSJ are full Cs on the Ackerley master antenna; KWJJ is a C1 on the same antenna.

There have been two new FM's in Portland in the past five years. KDBX, licensed to Banks, is the more powerful of the two. It currently operates with full Class C2 (50-kw equivalent) power on the Ch. 49 tower in the Portland antenna farm (KKRZ and KKCW are on the same tower). The other new entrant is KNRK, a C3 transmitting from Mt. Scott. KUPL and KKJZ are on adjacent towers.

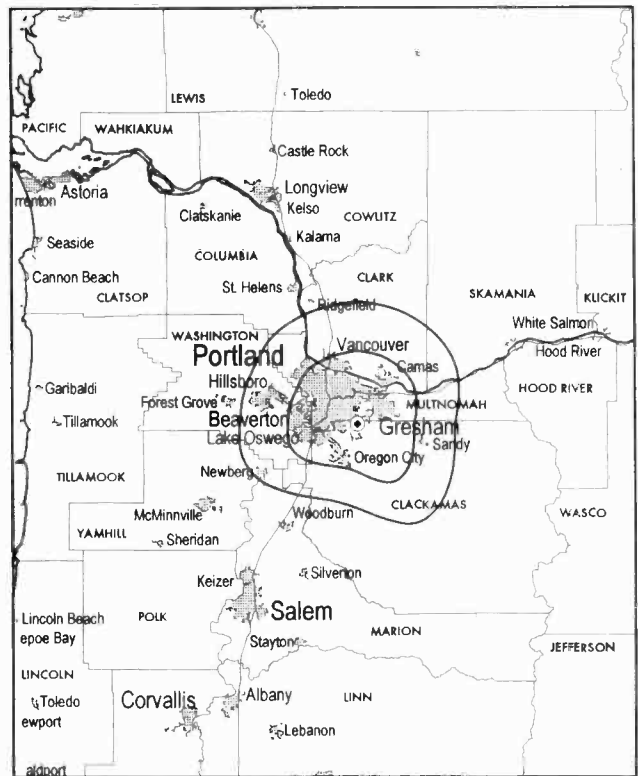


ARBITRON METRO AREA

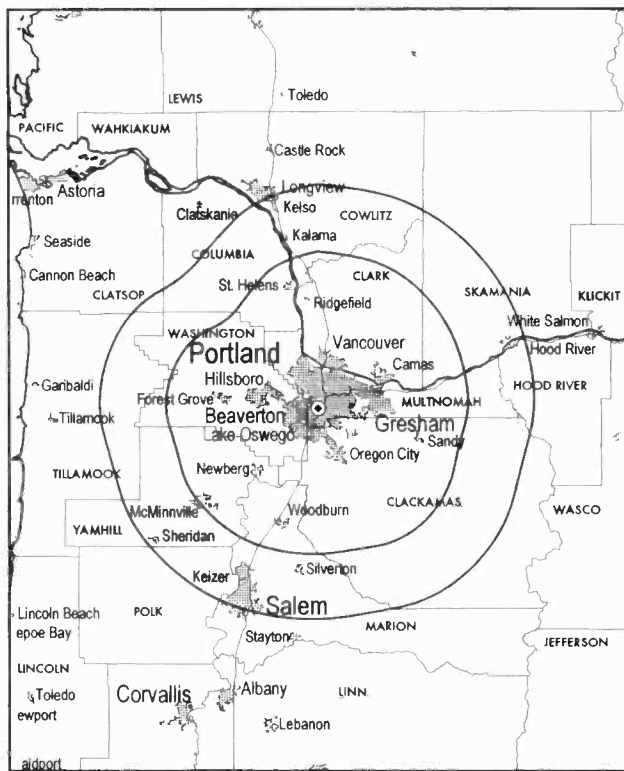
PORTLAND



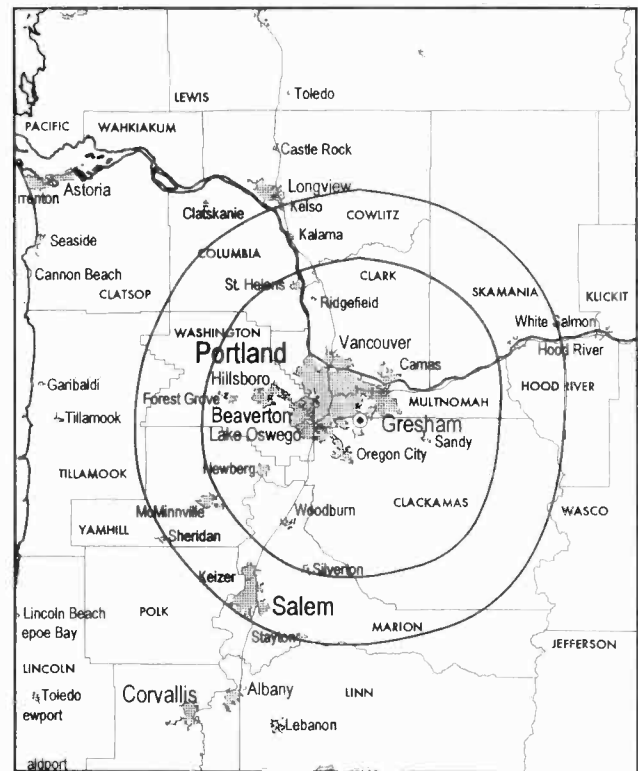
KGON	92.3	100/1268
KPDQ	93.7	100/1268
KKSX	97.1	100/1268



KNRK	94.7	3.7/850
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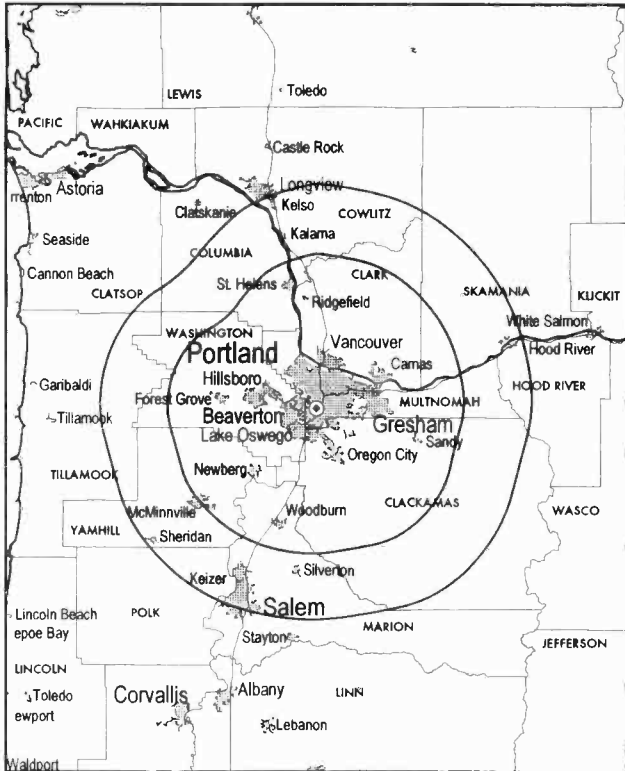


KXL	95.5	100/990
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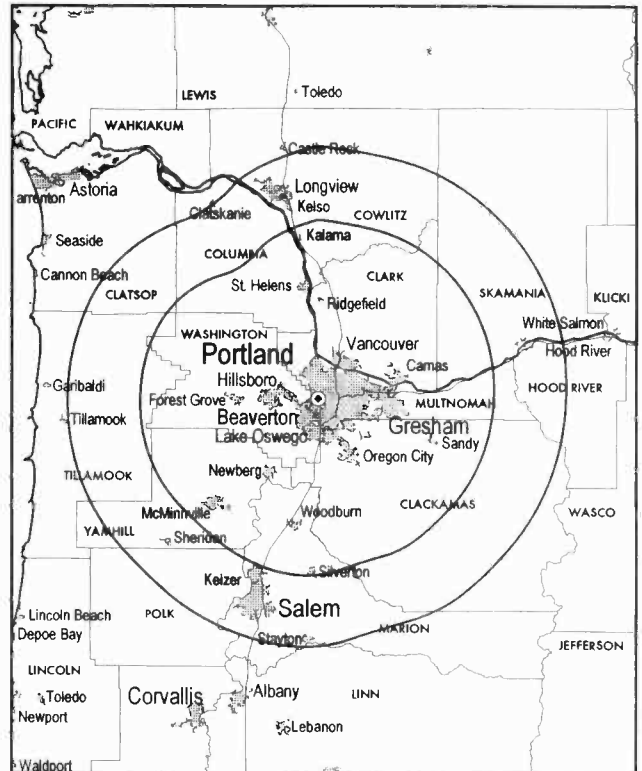


KUPL	98.5	100/1106
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PORTLAND



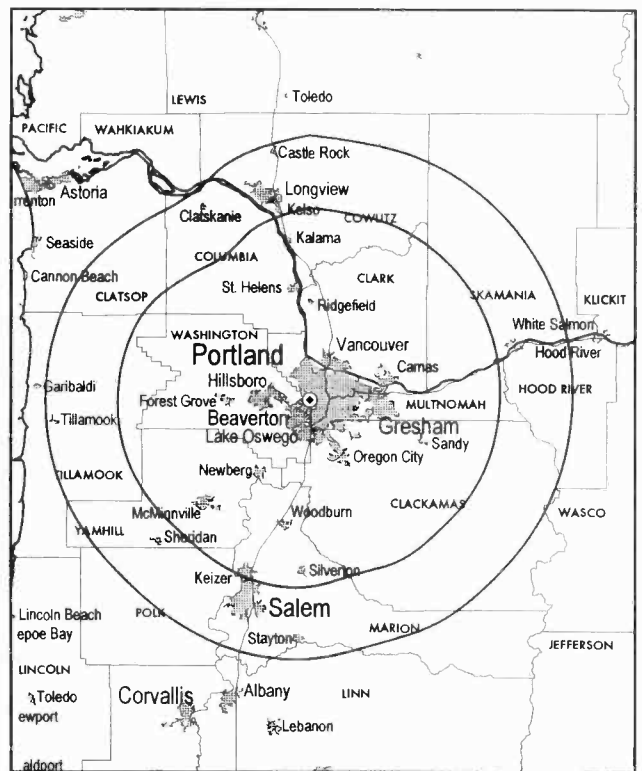
KWJJ 99.5 52/1268



KKRZ 100.3 100/1434

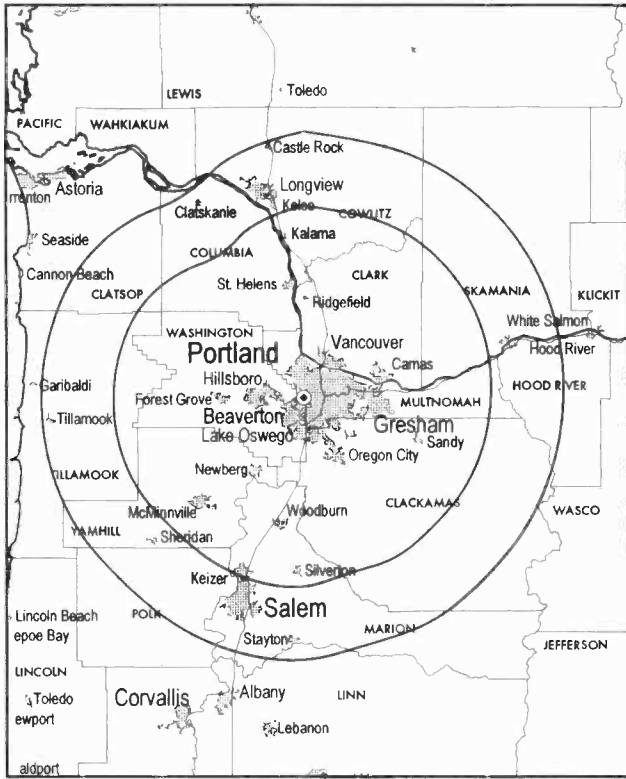


KUFO 101.1 100/1640

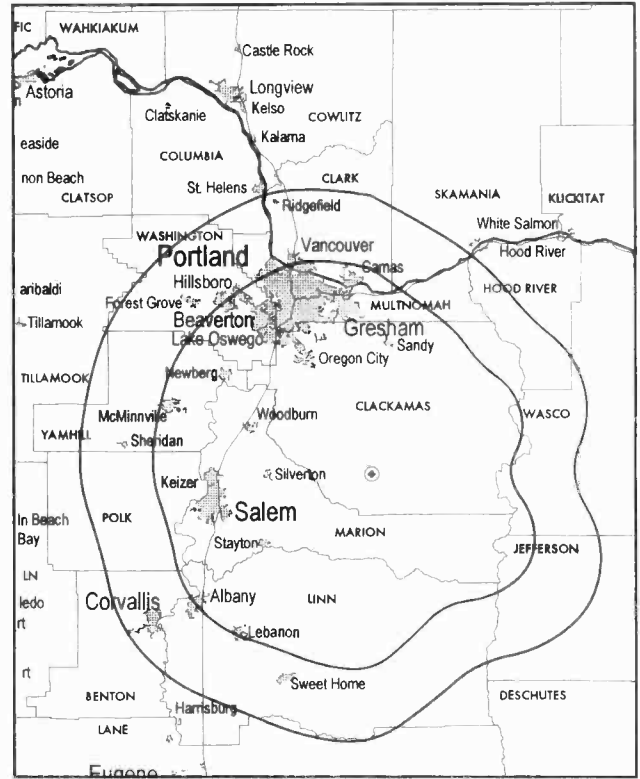


KINK 101.9 100/1674

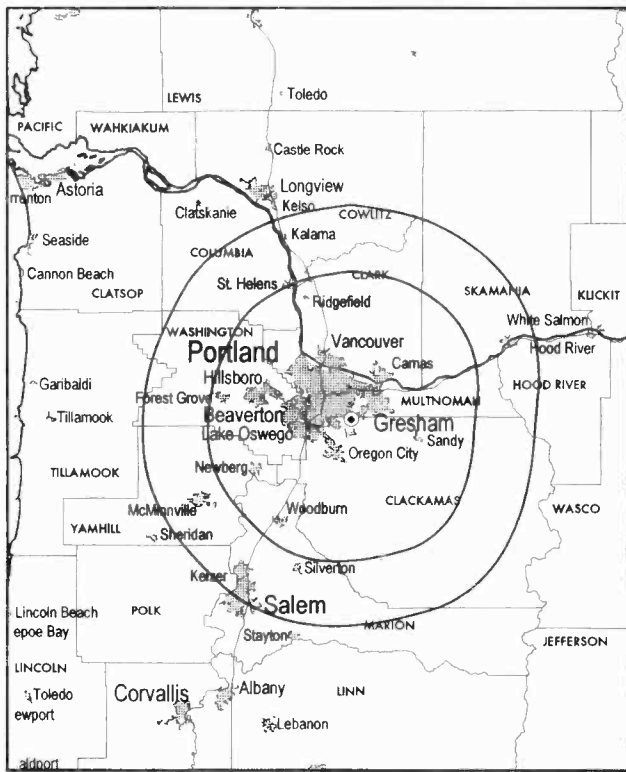
PORTLAND



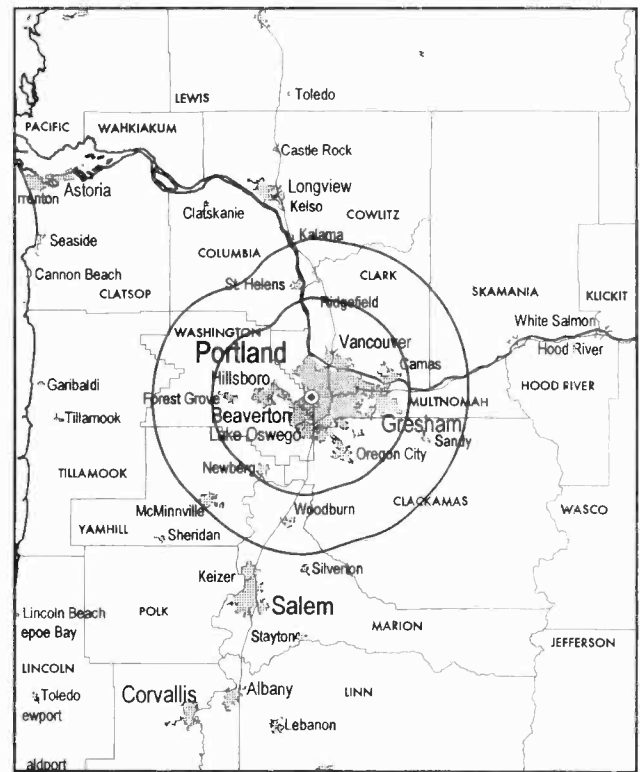
KKCW 103.3 100/1654



KKRH 105.1 100/1840



KKJZ 106.7 100/880



KDBX 107.5 6.3/1332

PROVIDENCE (INCLUDING NEW BEDFORD - FALL RIVER)

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WPRO Ch. 36 tower, Neutaconkenut Hill, W of RI 14, west side of Providence City of License: Providence, RI	L	92.3	B	39.00	No	551	168	533	41 48 18	71 28 24
WSNE 89 Pine St., Rehoboth, MA City of License: Taunton, MA	L	93.3	B	29.80	Yes	619	189	529	41 51 56	71 17 22
WHJY 115 Eastern Ave., East Providence City of License: Providence, RI	L	94.1	B	50.00	No	440	134	549	41 49 40	71 22 09
WBRU Diplexed with WHJY 94.1 City of License: Providence, RI	L	95.5	B	20.00	No	440	134	549	41 49 40	71 22 09
WJFD Fairhaven Sewage Disposal Plant, E of New Bedford, MA City of License: New Bedford, MA	L	97.3	B	50.00	No	500	152	560	41 38 20	70 52 27
WCTK 503 McArthur Drive, New Bedford, MA City of License: New Bedford, MA	L	98.1	B	47.00	No	510	155	580	41 37 21	70 55 07
WDGE WWRX 103.7 tower, Pine Hill City of License: Wakefield-Peachdale,	L	99.7	A	2.30	Yes	535	163	324	41 34 22	71 37 55
WDGF Atop Alameda Apartments, off West Main Rd., 0.45 mi. NE of junction of RI 114 and Union St., Portsmouth City of License: Middletown, RI	L	100.3	A	3.90	No	236	72	199	41 33 55	71 17 07
WWBB Ch. 64 tower, 33 Pine Street, Rehoboth, MA City of License: Providence, RI	L	101.5	B	13.50	Yes	950	290	970	41 52 13	71 17 47
WWRX New London Tpk., near junction with Ten Rod Rd., Pine Hill, RI City of License: Westerly, RI	L	103.7	B	37.00	No	568	173	324	41 34 22	71 37 55
WWLI Ludlow St., Neutaconkenut Hill, west side of Providence City of License: Providence, RI	L	105.1	B	50.00	No	500	152	490	41 48 22	71 28 12
WWKX Tower Hill Rd., Beacon Pole Hill, N of junction of RI 120 and RI 122, 6 mi. E of Woonsocket City of License: Woonsocket, RI	L	106.3	A	1.15	No	518	158	255	41 59 43	71 28 54
WFNH Popes Island, New Bedford harbor, adjacent to downtown New Bedford City of License: Fairhaven, MA	L	107.1	A	2.40	No	348	106	394	41 38 26	70 55 03

PROVIDENCE (INCLUDING NEW BEDFORD - FALL RIVER)

Market overview/update: One upgraded Class B and three Class As are new in this edition. WWRX has moved to its second Providence move-in tower. The new tower is in Pine Hill, closer to Providence. WDGE is a new Class A, also transmitting from the WWRX tower. WOTB is an A transmitting from atop an apartment building in Portsmouth, near Newport. WWKX, an A licensed to Woonsocket, has made a respectable showing in Providence from its tower on Beacon Pole Hill east of Woonsocket.



ARBITRON METRO AREA



WPRO 92.3 39/551



WSNE 93.3 29.8/619



WHJY 94.1 50/440

PROVIDENCE (INCLUDING NEW BEDFORD - FALL RIVER)



WBRU 95.5 20/440



WJFD 97.3 50/500



WCTK 98.1 47/510



WDGE 99.7 2.3/535



WDGF 100.3 3.9/236



WWBB 101.5 13.50/950

PROVIDENCE (INCLUDING NEW BEDFORD - FALL RIVER)



WWRX 103.7 37/568



WWLI 105.1 50/500



WWKX 106.3 1.15/518



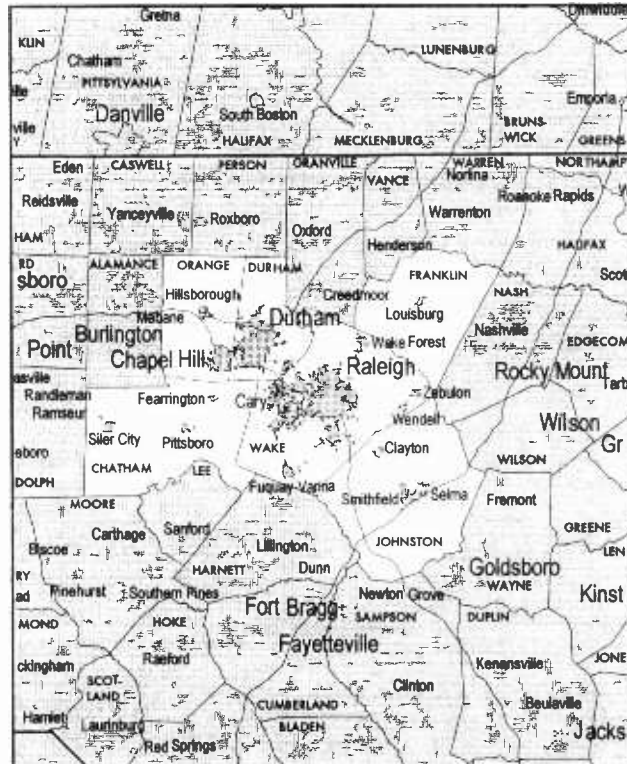
WFNH 107.1 2.4/348

RALEIGH - DURHAM

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WRSN Terrells Mtn antenna farm, off Jones Ferry Rd., 6 mi. SW of Chapel Hill City of License: Burlington, NC	L	93.9	C	100.00	Yes	1270	387	1105	35 52 16	79 09 38
WQDR Capitol tower (Ch. 5/28), TV Tower Rd., off US 70, 1.6 mi. SE of Auburn, NC City of License: Raleigh, NC	L	94.7	C	100.00	No	1680	512	2000	35 40 35	78 32 09
WKIX Blaney Franks Rd. at Old Sorrel Rd., 1.9 mi. NW of US 401/NC 1010 intersection, S of Raleigh City of License: Raleigh, NC	L	96.1	C	100.00	No	985	300	1052	35 41 07	78 43 14
WKTC NC 1007, 0.3 mi. E of junction with NC 1225, near Raynortown, 9 mi W of Goldsboro City of License: Goldsboro, NC	L	96.9	C	100.00	No	984	300	1053	35 23 52	78 08 07
WQOK NC 1307, 1.7 mi. N of US 158, W of Oxford, NC City of License: South Boston, VA	L	97.5	C1	100.00	No	981	299	1020	36 20 52	78 40 00
WTRG NC 1130, 0.5 mi. W of junction with NC 1106, near Middlesex, NC City of License: Rocky Mount, NC	L	100.7	C	100.00	No	1968	600	1965	35 49 53	78 08 50
WRAL Capitol tower with WQDR 94.7, TV Tower Rd., off US 70, 1.6 mi. SE of Auburn, NC City of License: Raleigh, NC	L	101.5	C	100.00	No	1821	555	2000	35 40 35	78 32 09
WTCD Mill Pond Rd. at Providence Rd., 0.3 mi. NE of junction of NC 42 and US 401, S of Raleigh City of License: Fuquay-Varina, NC	L	103.9	C3	7.90	Yes	577	176	499	35 35 47	78 45 18
WFXK NC 1310, near junction with NC 1325, 1.2 mi. W of NC 58, Castalia, NC City of License: Tarboro, NC Note: Simulcasts WFXC 107.1 Durham	L	104.3	C1	100.00	No	981	299	1083	36 02 22	78 08 C7
WDCG Terrells Mtn. antenna farm, 6 mi. SW of Chapel Hill City of License: Durham, NC	L	105.1	C	100.00	No	1040	317	834	35 52 20	79 09 29
WRDU NC 1111, 2.3 mi. SE of Middlesex, NC City of License: Wilson, NC	L	106.1	C	100.00	No	1350	411	1388	35 45 36	78 11 04
WFXC Nichols Dr., Oak Grove, Durham City of License: Durham, NC Note: Simulcast on WFXK 104.3 Tarboro	L	107.1	A	2.60	No	500	152	493	35 58 41	78 48 59

RALEIGH - DURHAM

Market overview/update: Several changes in this fast-growing market. A 1991 ice storm felled a couple of 2000' towers in Raleigh, one owned by Capitol Broadcasting for WRAL-TV and WRAL-FM; the other owned by Durham Life Broadcasting for WPTF-TV (now WRDC-TV). Rather than build two new towers, the companies jointly developed a single 2000' replacement tower at the WRAL site. The new tower carries WRAL-TV, WRDC-TV, WRAL-FM and WQDR-FM (formerly owned by Durham). While WRAL-FM's coverage area changed little with the new tower, the move was a significant jump for WQDR, which had been on a 1200' tower in Apex. Elsewhere, WKIX upgraded from Class C1 to Class C with a height increase at its existing tower south of Raleigh. WTCD Fuquay-Varina, formerly a Class A, is now a Class C3 from a different tower in the same general vicinity as its former tower. WFXK became a new C1 move-in (its city of license is Tarboro), linked by LMA/simulcast to WFXC Durham. WFXC went from 1.2-kw to 2.6-kw. With this edition, we include WKTC Goldsboro, and move WPCM to the Greensboro section, where it has a more significant ratings impact.



ARBITRON METRO AREA

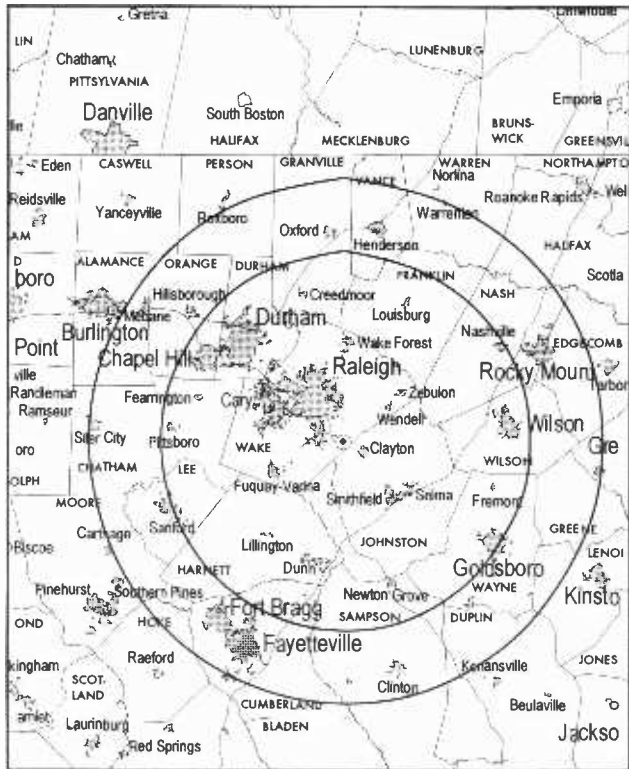
RALEIGH - DURHAM



WRSN

93.9

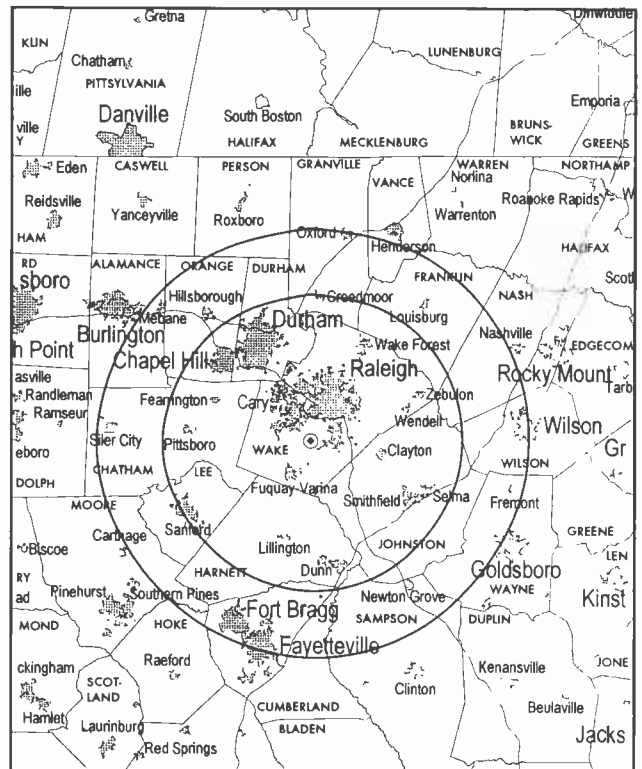
100/1270



WQDR

94.7

100/1680

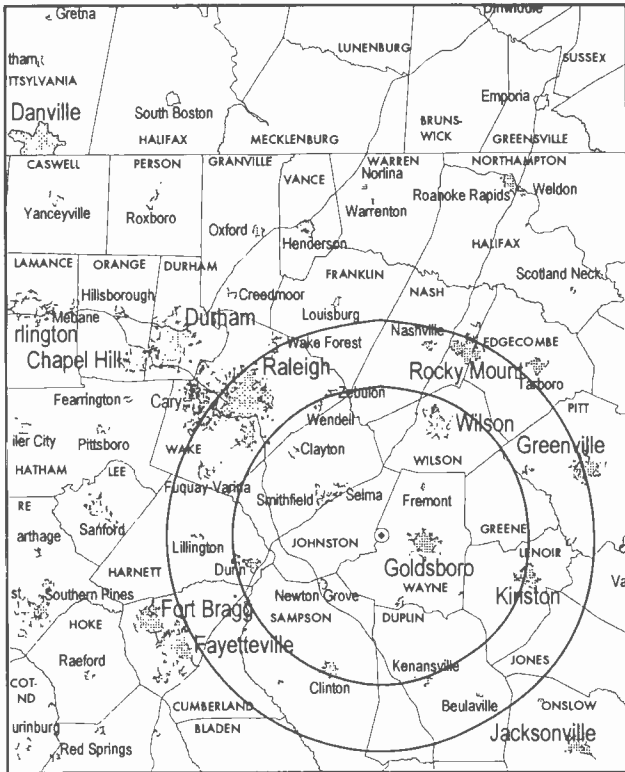


WKIX

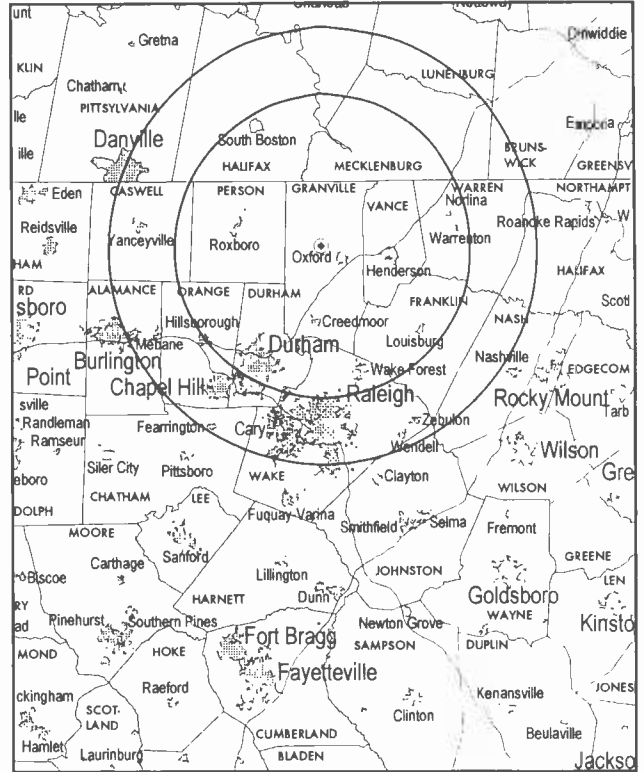
96.1

100/985

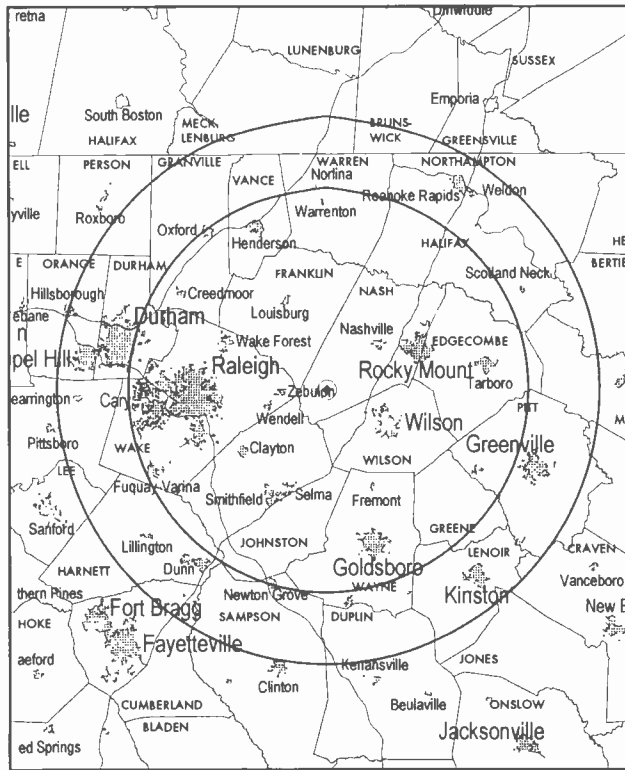
RALEIGH - DURHAM



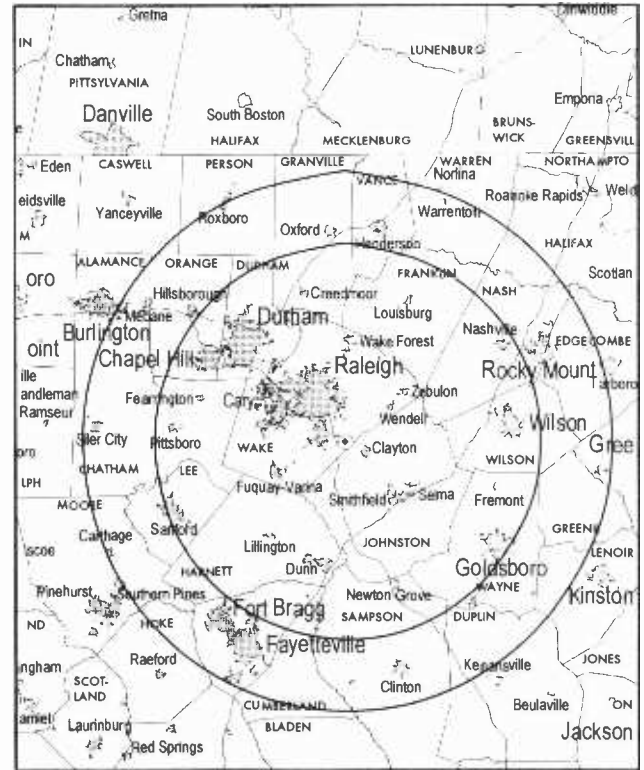
WKTC 96.9 100/984



WQOK 97.5 100/981

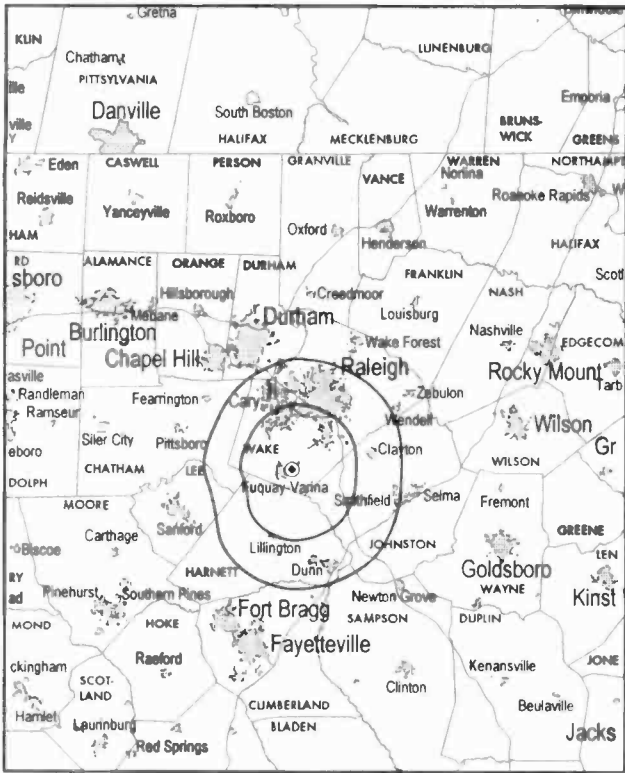


WTRG 100.7 100/1968

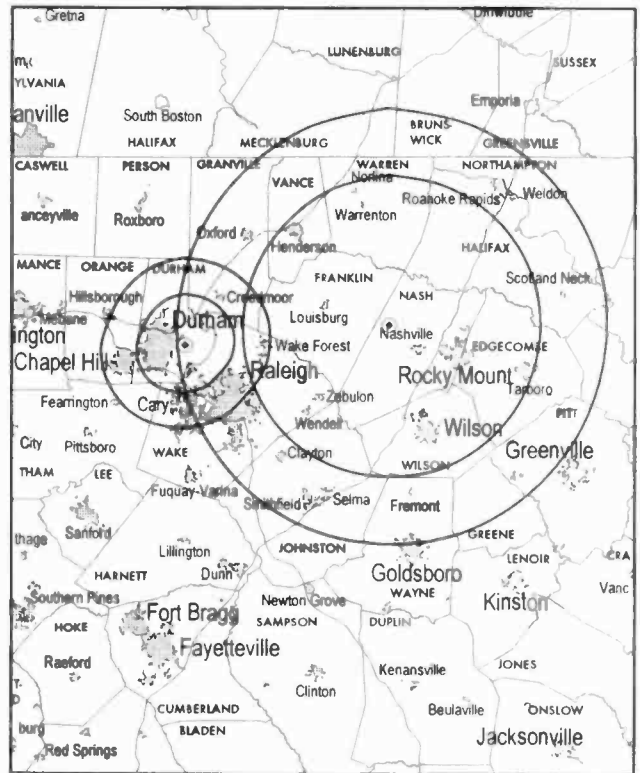


WRAL 101.5 100/1821

RALEIGH - DURHAM



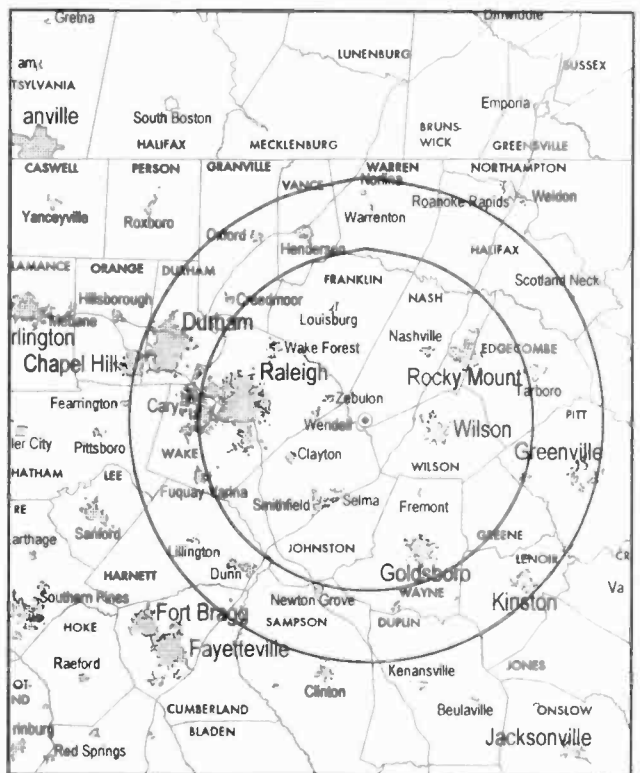
WTCD 103.9 7.9/577



WFXK 104.3 100/981



WDCG 105.1 100/1040



WRDU 106.1 100/1350

RICHMOND

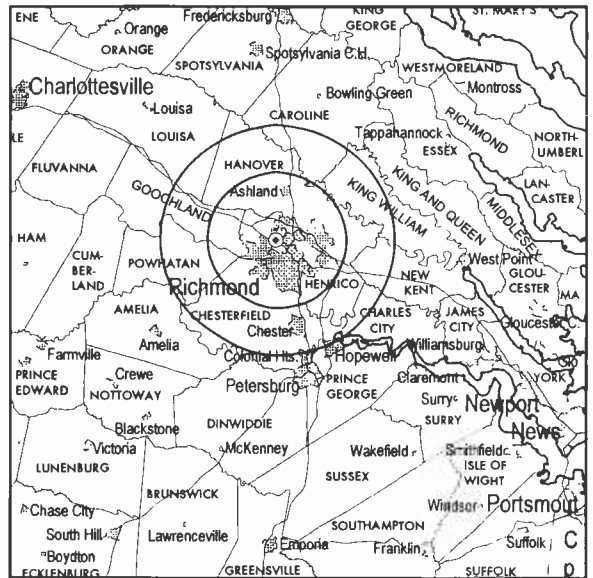
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WCDX WRXL 102.1 tower, NW Richmond City of License: Mechanicsville, VA	L	92.1	B1	4.50	No	771	235	749	37 36 52	77 30 56
WRVQ SW tower, WRVA-AM 1140 array, on James River near Varina, 12 mi. SE of Richmond City of License: Richmond, VA	L	94.5	B+	200.00	No	350	107	450	37 24 13	77 18 59
WKHK Richmond-Petersburg Tpk. (I-95) at Chippenham Pkwy. (VA 150), S of Richmond City of License: Colonial Heights, VA	L	95.3	B1	17.50	No	394	120	541	37 26 21	77 25 57
WLEE N of junction of US 60 and VA 647, New Kent County, VA City of License: Williamsburg, VA	L	96.5	B	50.00	No	492	150	469	37 25 43	76 56 41
WTVR Ch. 6 tower, 3301 W. Broad St., Richmond City of License: Richmond, VA	L	98.1	B+	50.00	No	840	256	844	37 34 00	77 28 36
WPLZ Culpeper and Hare Streets, Petersburg City of License: Petersburg, VA	L	99.3	A	6.00	Yes	328	100	408	37 14 01	77 22 36
WSOJ Johnson Rd., S of Petersburg City of License: Petersburg, VA	L	100.3	A	4.70	No	371	113	371	37 10 27	77 24 01
WSMJ WXGI-AM tower, 300 German School Rd. City of License: Richmond, VA	L	101.1	A	2.00	No	404	123	367	37 30 52	77 30 28
WRXL #1 tower, WRVH-AM 910 array, Basie and Bethlehem Rds., NW Richmond City of License: Richmond, VA	L	102.1	B+	20.00	No	791	241	749	37 36 52	77 30 56
WMXB Off Midlothian Turnpike, near intersection with Robius Rd. City of License: Richmond, VA	L	103.7	B+	20.00	No	840	256	745	37 30 31	77 34 37
WBZU VA 608, 9 mi. E of Crewe, 31 mi. W of Petersburg City of License: Crewe, VA	L	104.7	C1	100.00	Yes	981	299	1053	37 10 15	77 57 16
WDYL WGGM-AM 820 tower, end of Brighwood Avenue, W of US 1/301, Chester City of License: Chester, VA	L	105.7	A	3.00	No	328	100	375	37 22 58	77 25 41
WVGO Ch. 63 tower, US 60, W of Richmond, near Chesterfield-Powhatan County line City of License: Richmond, VA	L	106.5	B	7.60	No	1234	376	1250	37 30 14	77 41 53

RICHMOND

Market overview/update: Three new entrants. WBZU Crewe is now at full C1 power, on a 1000' tower southwest of Petersburg. WSMJ is a new A in Richmond and WSOJ is a new Class A on a tower south of Petersburg. WKHK has moved to a tower site closer to Richmond. It remains a B1. WCDX recently upgraded from Class A to Class B1, and moved from a 340' tower in Mechanicsville to the 750' WRXL tower on the west side of Richmond. Coverage increased significantly. That upgrade involved a move to 92.1. At the same time, WDYL, an A in Chester, moved from 92.1 to 105.7. WPLZ Petersburg cancelled its simulcast with formerly co-channel WPLC Spotsylvania.



ARBITRON METRO AREA



WCDX 92.1 4.5/771



WRVQ 94.5 200/350



WKHK 95.3 17.5/394

RICHMOND



WLEE 96.5 50/492



WTVR 98.1 50/840



WPLZ 99.3 6/328



WSOJ 100.3 47/371



WSMJ 101.1 2/404

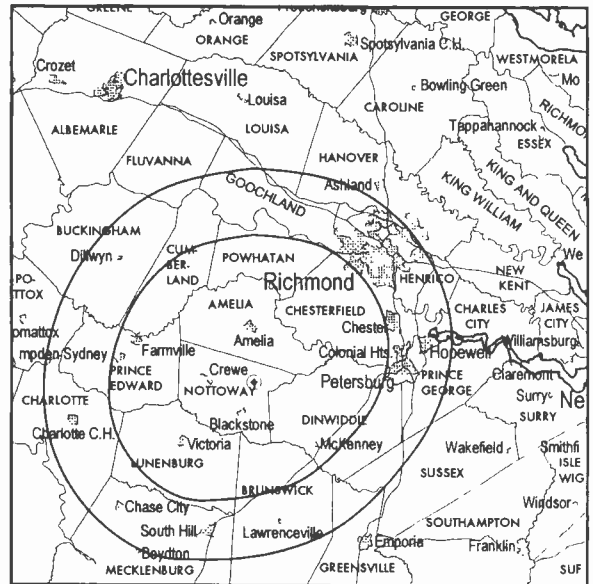


WRXL 102.1 20/791

RICHMOND



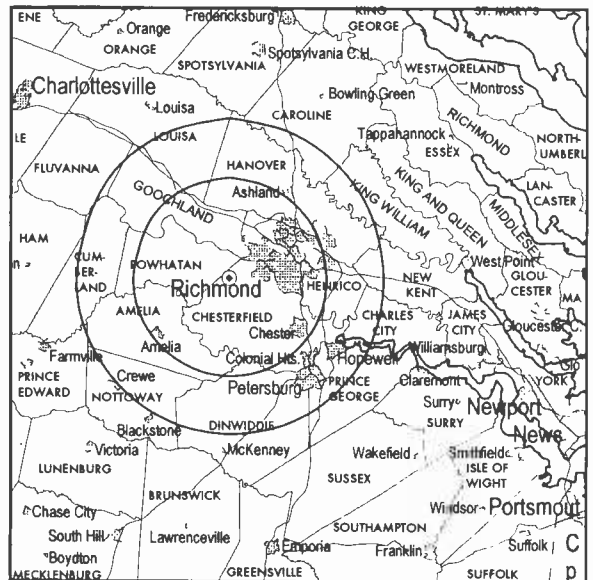
WMXB 103.7 20/840



WBZU 104.7 100/981



WDYL 105.7 3/328



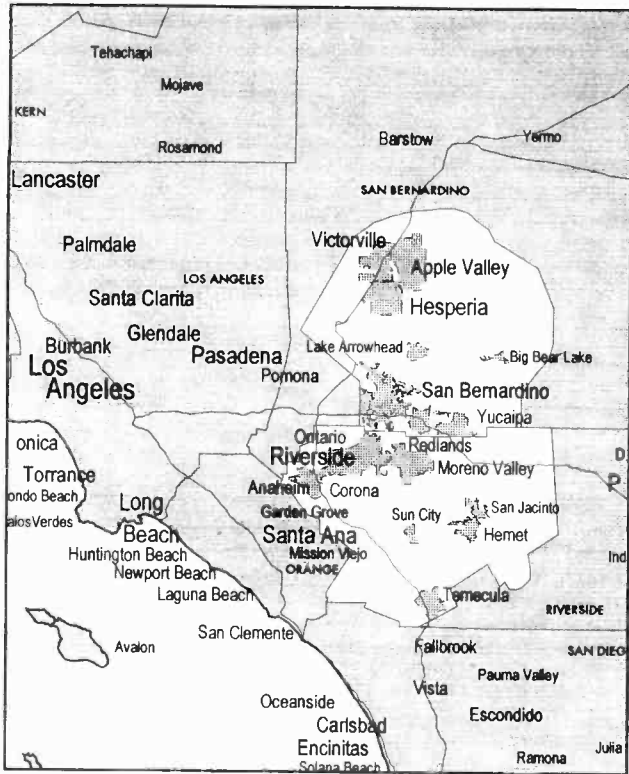
WWGO 106.5 7.6/1234

RIVERSIDE - SAN BERNARDINO

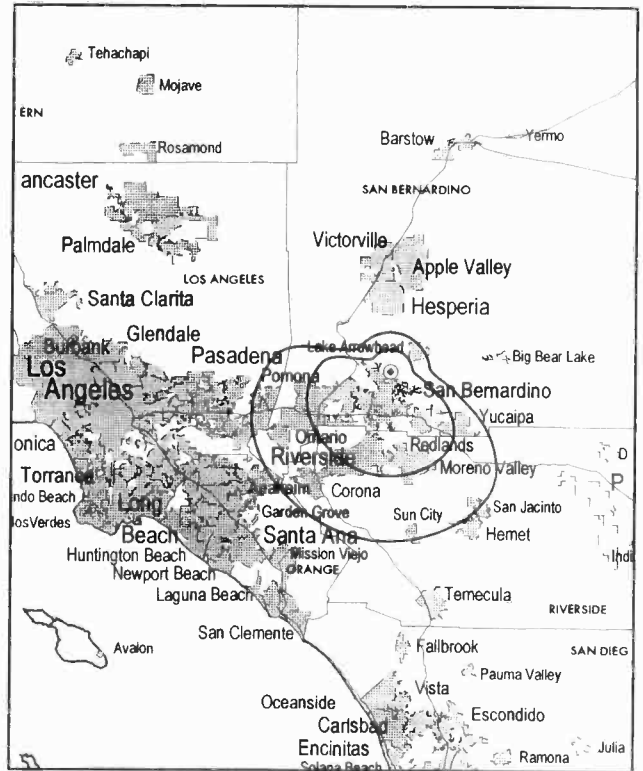
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KOOJ Cloudland Forest Rd. off CA 18, San Bernardino Mountains City of License: Riverside, CA	L	92.7	A	3.00	No	300	91	65	34 11 51	117 17 09
KREA San Gabriel Mtns., Haven Ave. Extension, 2 mi. N of Rancho Cucamonga City of License: Ontario, CA	L	93.5	A	3.00	No	-165	-50	52	34 10 35	117 34 27
KFRG Cloudland Forest Rd. off CA 18, San Bernardino Mountains City of License: San Bernardino, CA	L	95.1	B	50.00	No	490	149	260	34 11 51	117 17 10
KWRP 3 mi. N of San Jacinto in San Jacinto Mountains (El. 3703') City of License: San Jacinto, CA	L	96.1	A	0.25	Yes	1565	477	154	33 49 45	116 57 10
KCAL On tower with KFRG 95.1 City of License: Redlands, CA	L	96.7	A	1.75	No	376	115	260	34 11 51	117 17 10
KVAR Heaps Peak electronics site, CA 18 between Skyforest and Running Spgs., near Lake Arrowhead (El. 6400') City of License: Riverside, CA	L	97.5	B+	72.00	Yes	1827	557	164	34 14 04	117 08 24
KGGI Adjacent to KVAR 97.5, Heaps Peak, near Lake Arrowhead City of License: Riverside, CA	L	99.1	B	2.50	No	1844	562	150	34 14 04	117 08 24
KOLA Box Springs Mountains, 3 mi. E of Riverside City of License: San Bernardino, CA	L	99.9	B+	29.50	No	1663	507	150	33 57 59	117 17 16
KCXX Heaps Peak, near Lake Arrowhead City of License: Lake Arrowhead, CA	L	103.9	A	0.19	No	1752	534	66	34 14 05	117 08 23

Market overview/update: Two of the market's major operations, KGGI and KVAR, have moved from the Box Springs Mountains between Riverside and San Bernardino to the Heaps Peak Electronics Site in the San Bernardino Mountains near Lake Arrowhead. KGGI runs standard Class B power from Heaps Peak. KVAR, a grandfathered "superpower" station, now operates from Heaps with 68-kw (it had been at 72-kw at the old site). The main advantage of Heaps is coverage of the fast-growing high desert "bedroom" suburbs on the north side of the massive San Bernardino range (Hesperia, Victorville and Apple Valley). KCXX Lake Arrowhead, which previously transmitted from Strawberry Peak in the San Bernardino range, has also moved to Heaps Peak. The move allowed an increase in the station's ERP from 38 to 190 watts. KOLA, also a grandfathered station, is the only FM remaining atop the Box Springs range.

RIVERSIDE - SAN BERNARDINO



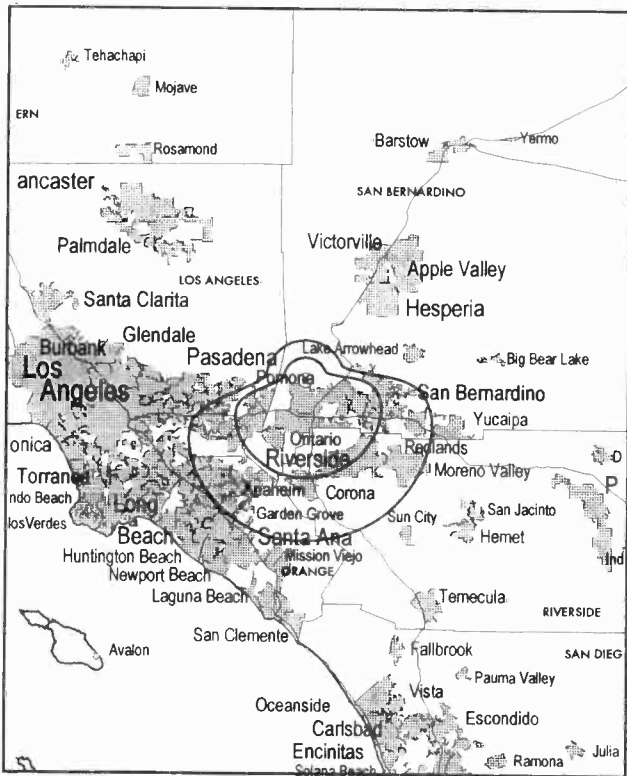
ARBITRON METRO AREA



KOOJ

92.7

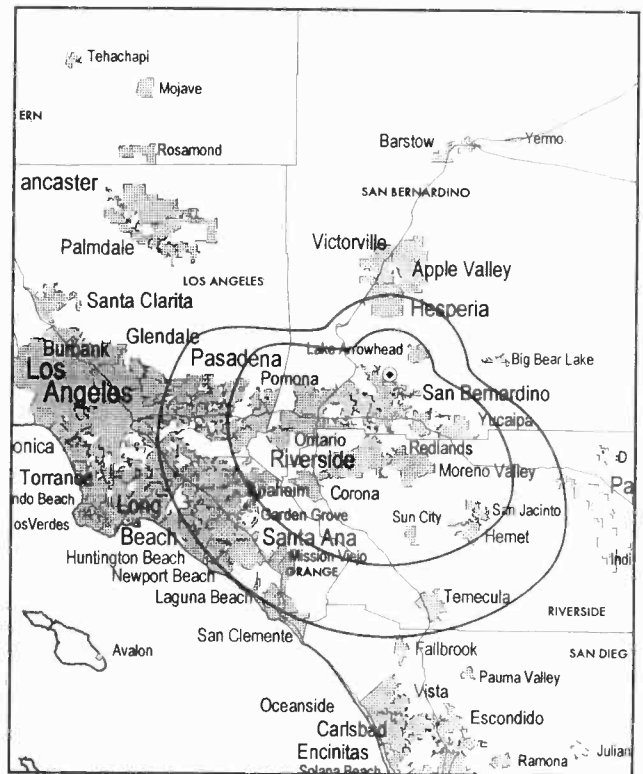
3/300



KREA

93.5

3/165



KFRG

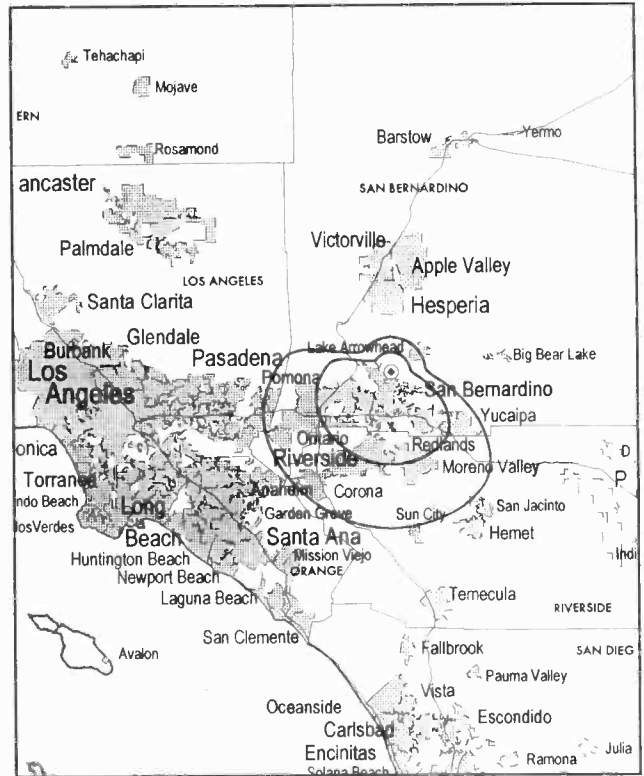
95.1

50/490

RIVERSIDE - SAN BERNARDINO



KWRP 96.1 250w/1565



KCAL 96.7 1.75/376



KVAR 97.5 72/1827

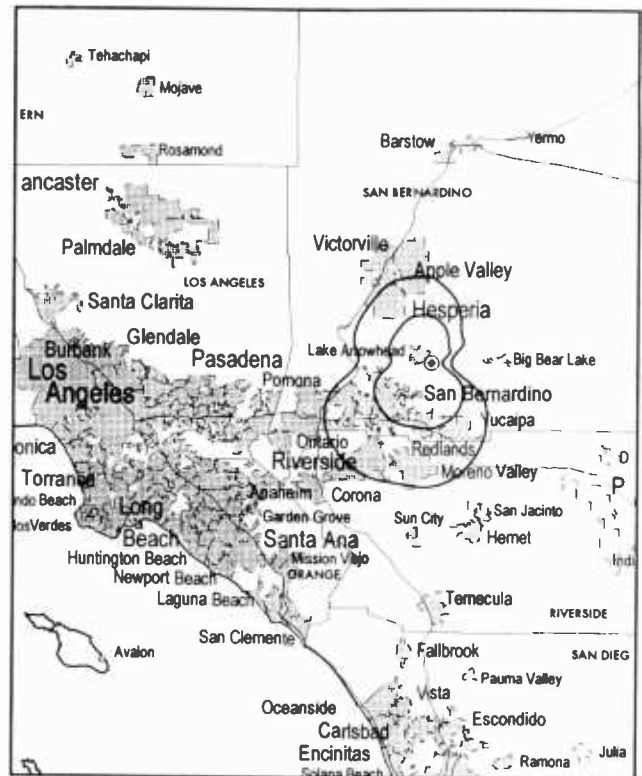


KGGI 99.1 2.5/1844

RIVERSIDE - SAN BERNARDINO



KOLA 99.9 29.5/1663



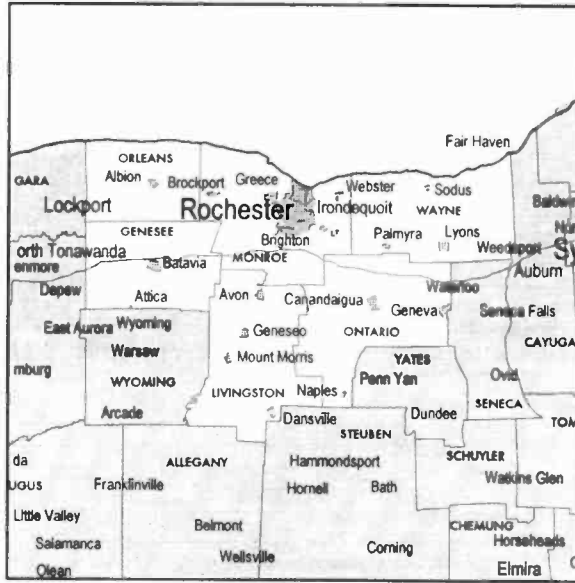
KCXX 103.9 190w/1752

ROCHESTER

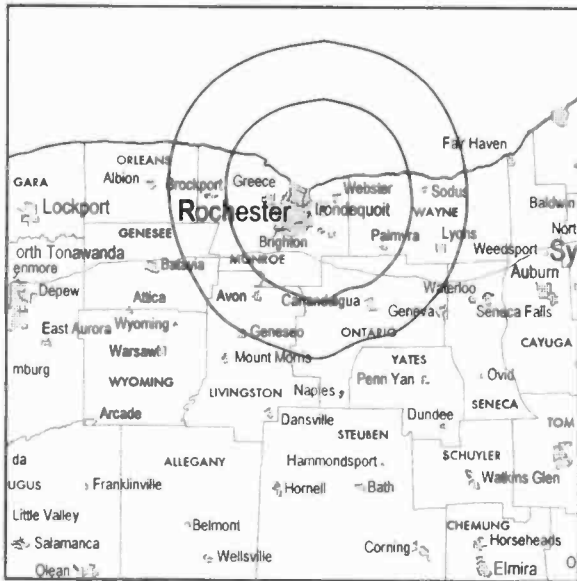
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WBEE 1427 Fivemile Rd., Penfield, E of Rochester City of License: Rochester, NY	L	92.5	B	50.00	No	500	152	455	43 10 37	77 28 39
WHRR Atop Huckleberry Hill, off Avon-Lima Rd., 0.9 mi. N of US 20, 2.4 mi. NE of East Avon, Livingston County City of License: Avon, NY	L	93.3	A	4.00	Yes	390	119	150	42 54 55	77 39 35
WNVE Worden Hill, 4.5 mi. SW of Bristol Center City of License: South Bristol, NY	L	95.1	B	9.50	No	994	303	156	42 44 47	77 25 35
WCMF Ch. 8/10 tower, Pinnacle Hill antenna farm, SE of downtown Rochester City of License: Rochester, NY	L	96.5	B	50.00	No	450	137	346	43 08 07	77 35 02
WPXY On tower with WCMF 96.5 City of License: Rochester, NY	L	97.9	B	50.00	No	400	122	346	43 08 07	77 35 02
WKLX On WRMM 101.3 tower City of License: Rochester, NY	L	98.9	B	37.00	No	564	172	600	43 10 14	77 40 23
WVOR Baker Rd., at Monroe-Ontario County line, near Victor, NY, SE of Rochester City of License: Rochester, NY	L	100.5	B	50.00	No	480	146	190	43 02 00	77 25 17
WRMM Near corner of Colfax and Emerson Streets, west side of Rochester City of License: Rochester, NY	L	101.3	B	27.00	No	640	195	600	43 10 14	77 40 23
WDKX Atop Xerox Square, downtown Rochester City of License: Rochester, NY	L	103.9	A	0.80	No	540	165	473	43 09 17	77 36 16
WJZR Atop Building #1, Fuller Industrial Park, 1237 E. Main Street, Rochester City of License: Rochester, NY	L	105.9	A	3.00	No	180	55	152	43 09 35	77 34 44
WMAX Atop Seneca Towers Building, 200 Seth Green Drive, Rochester City of License: Irondequoit, NY	L	106.7	A	3.50	No	266	81	262	43 11 27	77 37 11

Market overview/update: This market has a significantly lower number of Class B signals than most other markets its size. There are six Class Bs, all essentially at parity with one another. In addition, WDKX is a Class A transmitting from atop the Xerox Building in downtown Rochester. WNVE, licensed to South Bristol Township, is a Class B transmitting from the hills south of the city. It operates a 250-watt translator in the city with coverage approaching that of some 3-kw A's. Three new Class As have come on in Rochester in recent years. WHRR transmits from the hills south of the city. WJZR and WMAX transmit from atop buildings within the city of Rochester.

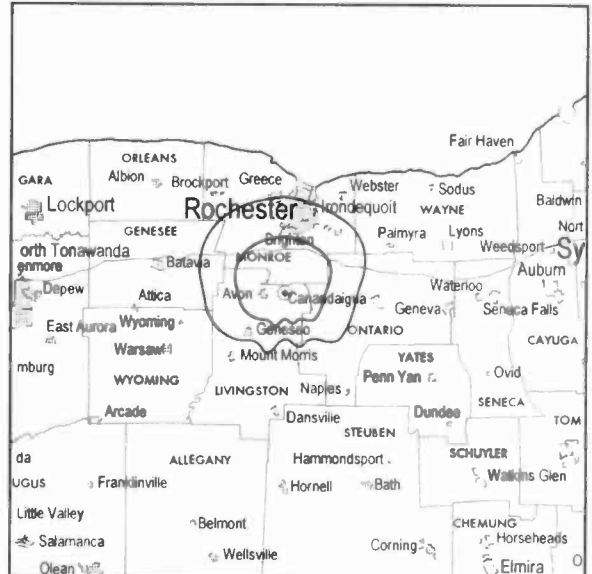
ROCHESTER



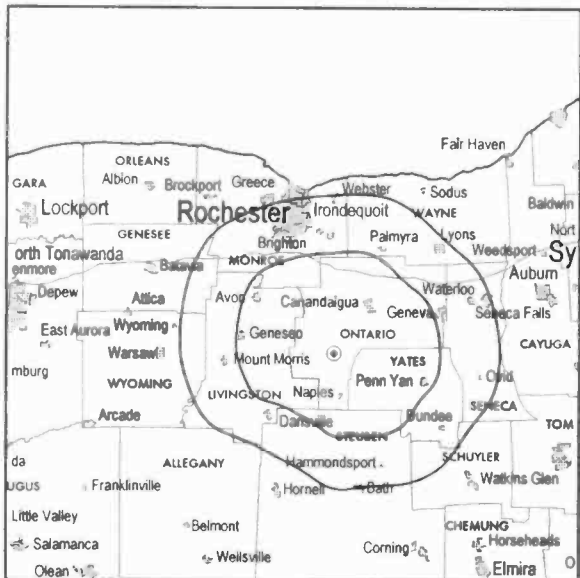
ARBITRON METRO AREA



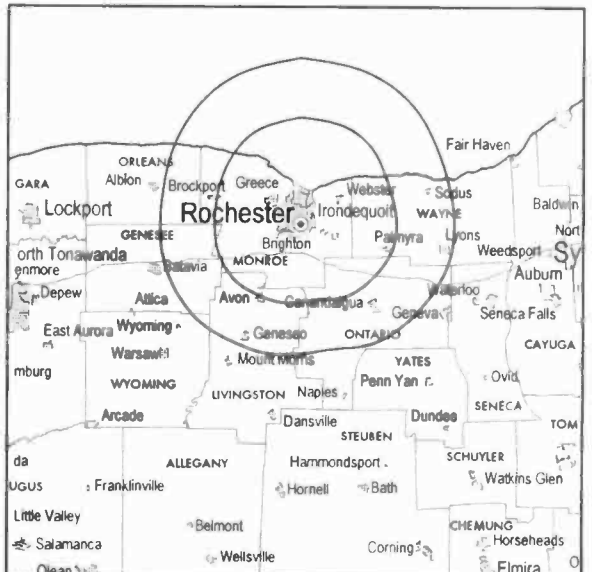
WBEE 92.5 50/500



WHRR 93.3 4/390



WNVE 95.1 9.5/994

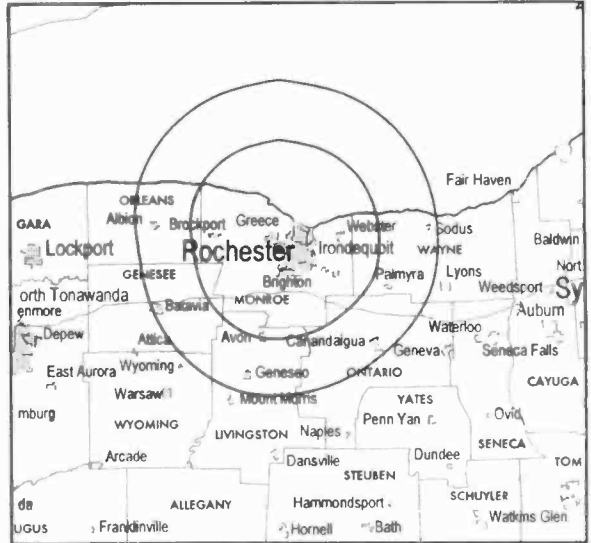


WCMF 96.5 50/450

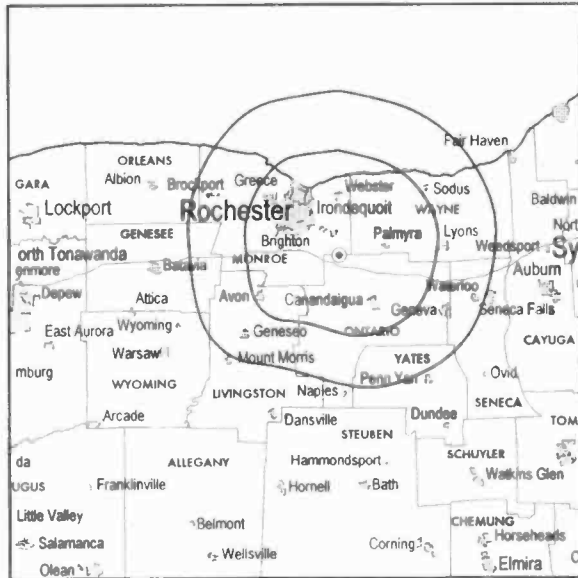
ROCHESTER



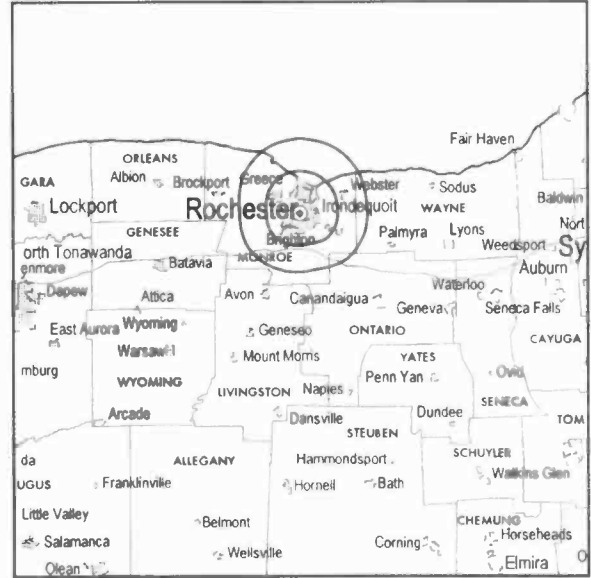
WPXY 97.9 50/400



WKLX 98.9 37/564
WRMM 101.3 27/640



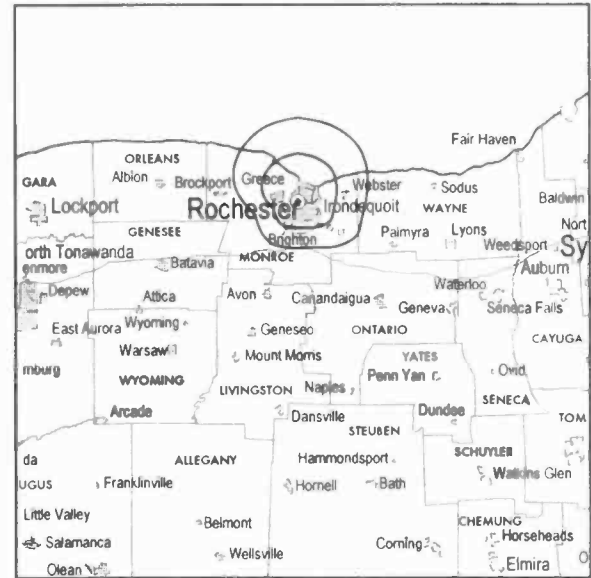
WWOR 100.5 50/480



WDKX 103.9 800w/540



WJZR 105.9 3/180



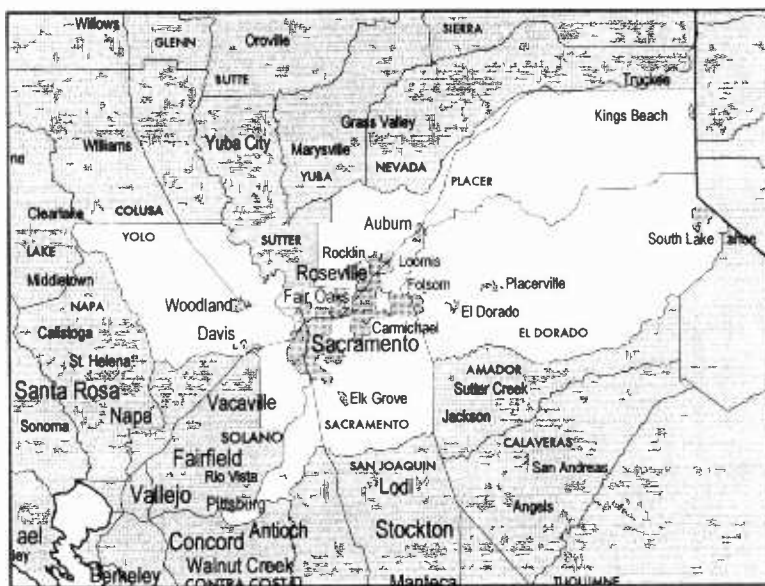
WMAX 106.7 3.5/266

SACRAMENTO

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KZSA Towhee at La Vista, Placerville (in hills S of downtown Placerville) City of License: Placerville, CA	L	92.1	A	1.40	No	472	144	150	38 43 07	120 47 40
KGBY 606 Delano Street, Rio Linda, CA City of License: Sacramento, CA	L	92.5	B	50.00	No	450	137	500	38 42 26	121 28 33
KRXQ KRCX-AM 1110 site, 8842 Quail Lane, near corner of Eureka Rd. and Sierra College Blvd., Roseville City of License: Roseville, CA	L	93.7	B1	25.00	No	328	100	430	38 44 22	121 12 50
KYMX S tower, KGNR-AM 1320 daytime array, Garden Highway, NW of Sacramento City of License: Sacramento, CA	L	96.1	B	50.00	No	476	145	510	38 38 09	121 33 11
KSEG 719 N. Market Blvd., near I-80/Northgate Blvd. interchange City of License: Sacramento, CA	L	96.9	B	50.00	No	500	152	540	38 38 54	121 28 40
KRAK White Rock antenna farm, US 50 at Sacramento-El Dorado County line, 4 mi. SE of Folsom (El. 825') City of License: Sacramento, CA	L	98.5	B	50.00	No	495	151	296	38 38 53	121 05 51
KQPT On KWOD 106.5 tower, White Rock antenna farm City of License: Sacramento, CA	L	100.5	B+	115.00	Yes	328	100	240	38 38 30	121 05 25
KHYL KAHI-AM 950 site, Catecroft Lane, Pilot Hill, 4 mi. SE of Auburn City of License: Auburn, CA	L	101.1	B	36.30	No	577	176	263	38 51 28	121 01 39
KSSJ CA 49, 3.7 mi. S of El Dorado City of License: Shingle Springs, CA	L	101.9	B1	4.10	No	827	252	502	38 37 51	120 51 22
KSSJ CP CA 193, 2.5 Mi W of Greenwood, CA (7 Mi. E of Auburn)	C	101.9	B	50.00	No	476	145	197	38 53 55	120 57 06
KSFM E of junction of Roads 92 and 102, 3 mi. N of Davis, CA City of License: Woodland, CA	L	102.5	B	50.00	No	500	152	538	38 35 20	121 43 30
KQBR 19245 County Road 102, Woodland, CA City of License: Davis, CA	L	104.3	A	2.95	No	463	141	500	38 39 46	121 43 12
KNCI White Rock antenna farm City of License: Sacramento, CA	L	105.1	B	50.00	No	500	152	324	38 38 31	121 05 25
KWOD White Rock antenna farm City of License: Sacramento, CA	L	106.5	B	50.00	No	410	125	240	38 38 30	121 05 25
KXOA KXPR 90.9 tower, 820 W. Delano Street, Rio Linda City of License: Sacramento, CA	L	107.9	B	50.00	No	404	123	530	38 42 38	121 28 45

SACRAMENTO

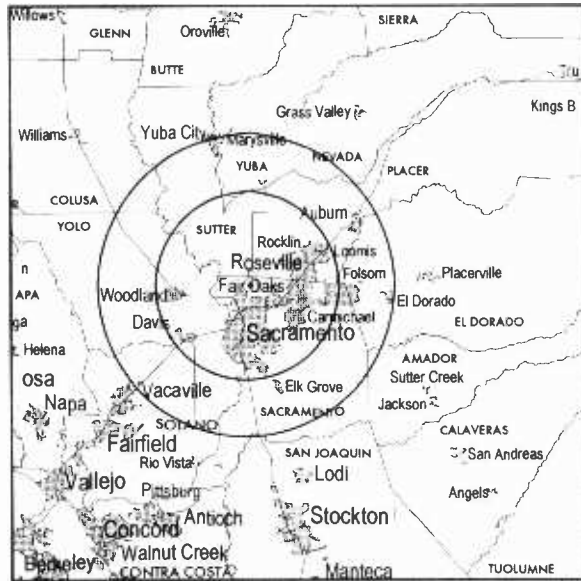
Market overview/update: The bulk of this market's major signals have remained essentially unchanged for several years. In the past five years, KRXQ has moved from one of the towers in the KFIA-AM array to a new tower at the KRCX-AM site, only a short distance away. Coverage remained essentially the same as the previous facility. KWOD has increased its antenna height from 310' to 410' at its existing site. Three signals are new to the market since our last edition. KSSJ is a new Class B1 transmitting from the Sierra foothills south of El Dorado. It holds a CP to upgrade to Class B at a site southeast of Auburn. KZSA is a Class A located on a hill just south of center city Placerville. KQBR Davis was moved from 105.5 to 104.3, and now transmits from 500' tower in Woodland.



ARBITRON METRO AREA

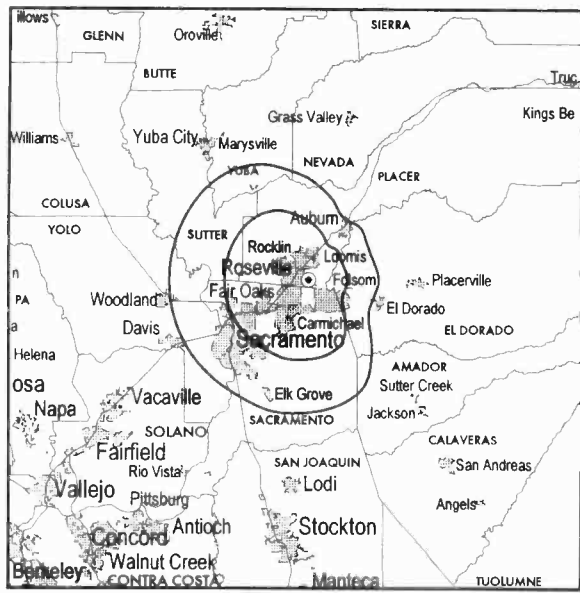


KZSA 92.1 1.4/472

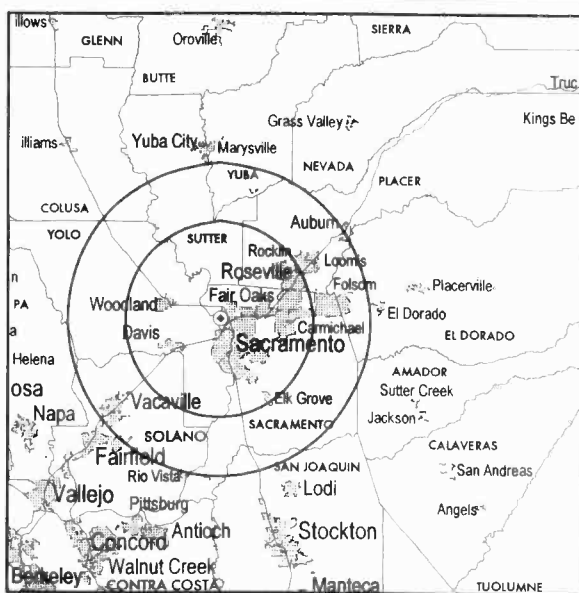


KGBY 92.5 50/450

SACRAMENTO



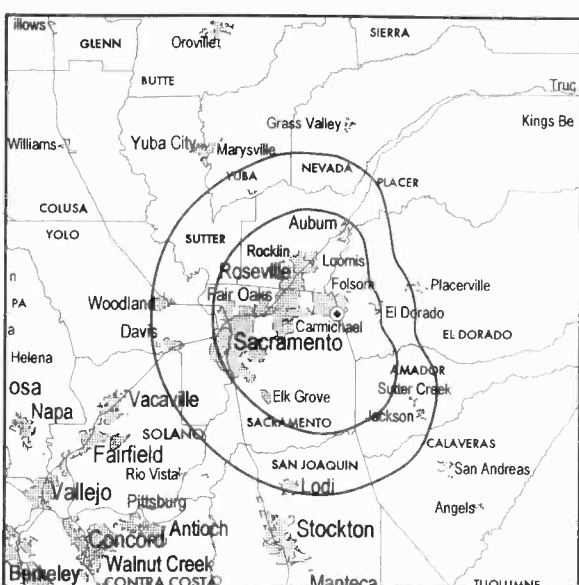
KRXQ 93.7 25/328



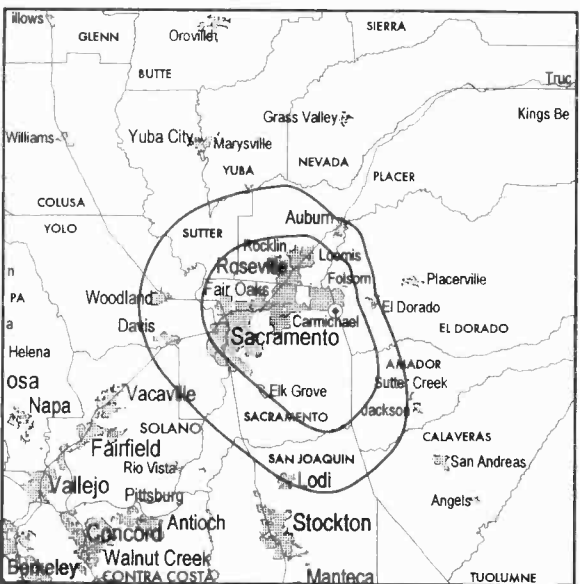
KYMX 96.1 50/476



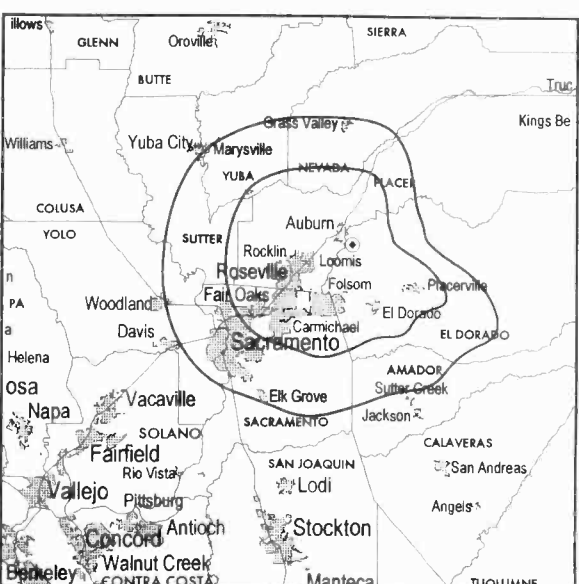
KSEG 96.9 50/500



KRAK 98.5 50/495

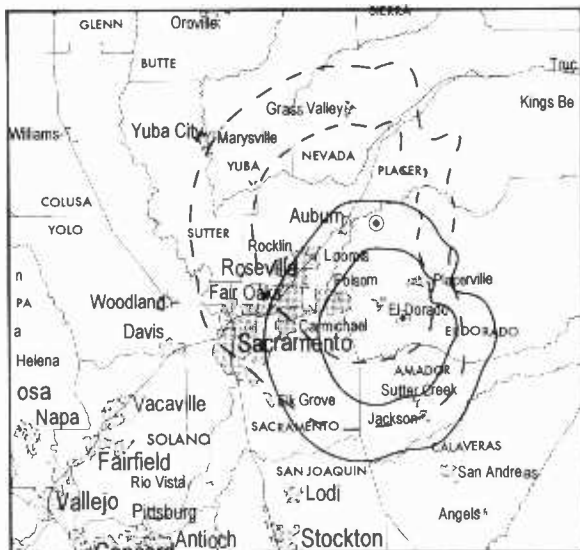


KQPT 100.5 115/328

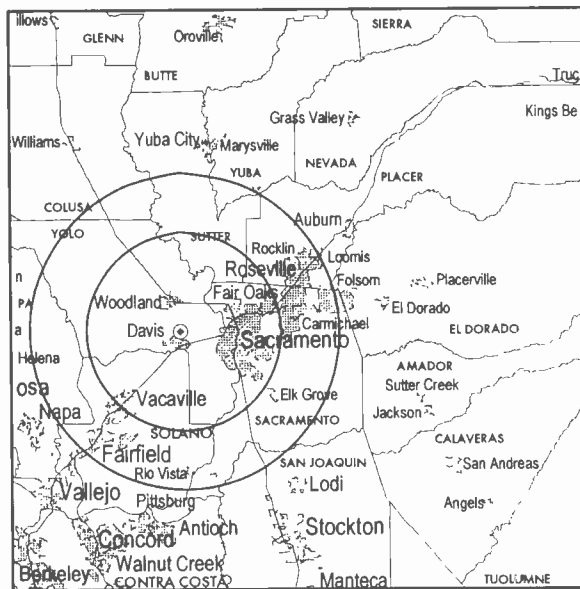


KHYL 101.1 36.3/577

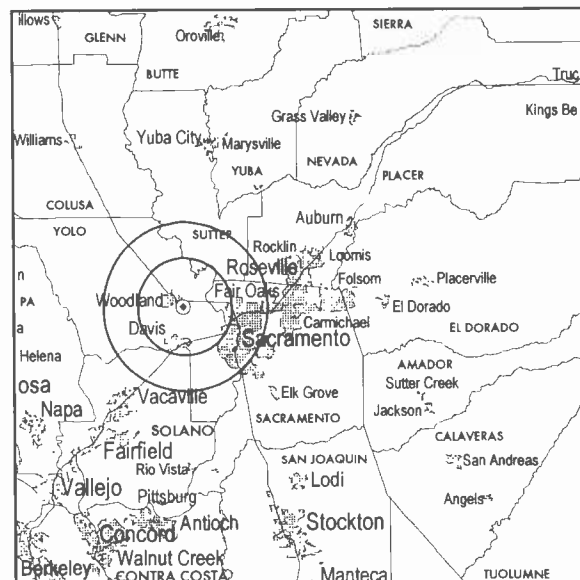
SACRAMENTO



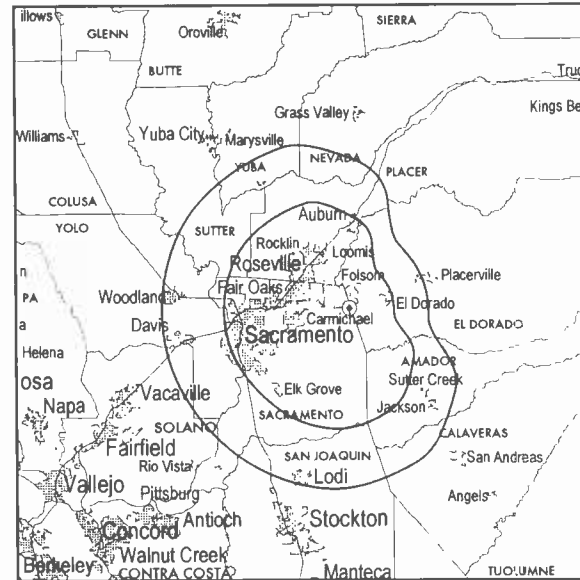
KSSJ 101.9 4.1/827
KSSJ CP 101.9 50/476



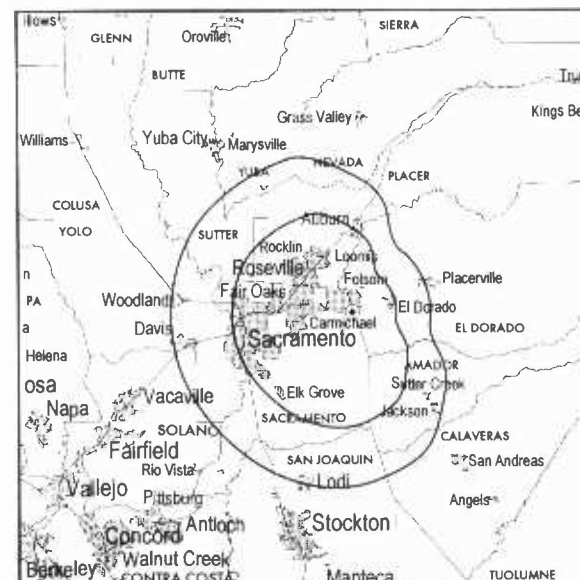
KSFM 102.5 50/500



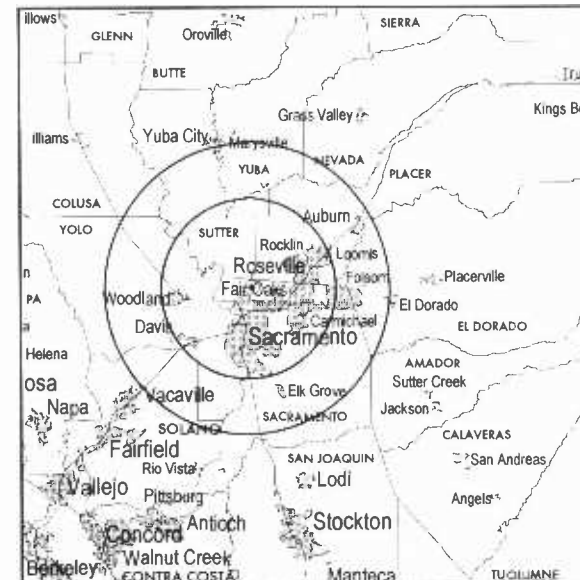
KQBR 104.3 2.95/463



KNCI 105.1 50/500



KWOD 106.5 50/410



KXOA 107.9 50/404

ST. LOUIS

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WIL Ch. 9 tower, Hageman and Butler Hill Roads, W of Tesson Ferry Road City of License: St. Louis, MO	L	92.3	C	100.00	No	984	300	1073	38 28 56	90 23 53
KSD Ch. 5 tower, 6871 Heege Road, Shrewsbury City of License: St. Louis, MO	L	93.7	C1	100.00	No	860	262	1159	38 34 05	90 19 55
KSHE Master FM tower, Resurrection Cemetery, Mackenzie Rd., Shrewsbury City of License: Crestwood, MO	L	94.7	C	100.00	No	1026	313	1110	38 34 24	90 19 30
KIHT Porter Avenue and Manchester Road, Brentwood City of License: St. Louis, MO	L	96.3	C1	100.00	No	552	168	631	38 36 47	90 20 09
KIHT CP On master FM antenna with KSHE 94.7 City of License: St. Louis, MO	C	96.3	C1	80.00	No	1026	313	1110	38 34 24	90 19 30
KXOK Off Feise Rd., S of I-70, W of St. Charles, near Dardenne City of License: Florissant, MO	L	97.1	C1	100.00	No	560	171	498	38 46 45	90 43 43
KYKY On master FM antenna with KSHE 94.7 City of License: St. Louis, MO	L	98.1	C1	90.20	No	1026	313	1110	38 34 24	90 19 30
KFUO On master FM antenna with KSHE 94.7 City of License: St. Louis, MO	L	99.1	C	100.00	No	1026	313	1110	38 34 24	90 19 30
KATZ WBGZ-AM 1570 tower, IL 100 at Levis Lane, North Alton, IL City of License: Alton, IL	L	100.3	B	50.00	Yes	490	147	413	38 55 44	90 13 03
WVRV WGNU-AM 920 tower, Old Alton Rd., S of I-270, near Mitchell, IL City of License: East St. Louis, IL	L	101.1	B	44.00	No	525	160	594	38 45 11	90 07 09
WVRV CP KMJM 107.7 auxiliary tower, 532 De Baliviere Street, St. Louis City of License: East St. Louis, IL	C	101.1	C2	44.00	Yes	518	158	558	38 39 08	90 17 03
KEZK On master FM antenna with KSHE 94.7 City of License: St. Louis, MO	L	102.5	C	100.00	No	1026	313	1110	38 34 24	90 19 30
KLOU Ch. 4 tower, near intersection of Avenue H and Reavis Barracks Rd., E of I-55 City of License: St. Louis, MO	L	103.3	C1	100.00	No	920	280	1214	38 31 47	90 17 58
WKBQ Intersection of Douglas and Accomodation Roads, Halls Ferry, N of Florissant, MO City of License: Jerseyville, IL	L	104.1	C2	39.00	No	550	168	499	38 51 36	90 18 38

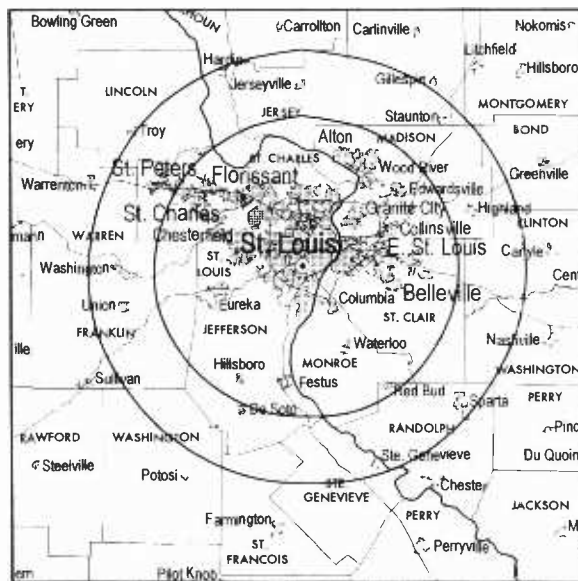
ST. LOUIS

WCBW	L	104.9	C3	7.80	No	574	175	1110	38 34 24	90 19 30	
On master FM tower, Shrewsbury City of License: Columbia, IL											
KPNT	L	105.7	C	100.00	No	1375	419	1309	38 13 10	90 35 44	
Near Hillsboro, MO, 11 mi. W of Festus, MO City of License: Ste. Genevieve, MO											
WKKX	L	106.5	C1	90.20	No	1026	313	1110	38 34 24	90 19 30	
On master FM antenna with KSHE 94.7 City of License: Granite City, IL											
KMJM	L	107.7	C	100.00	No	1026	313	1110	38 34 24	90 19 30	
On master FM antenna with KSHE 94.7 City of License: St. Louis, MO											

Market overview/update: Eight of the St. Louis market's 16 FM signals emanate from a single tower in Shrewsbury, southwest of the city. Seven of the eight transmit from a "master" antenna atop the tower. Four are full Class C stations: KSHE, KFUE, KEZK and KMJM. KYKY and WKKX transmit full Class C1 power from this antenna. KIHT was recently added to the master as a C1, but with very slightly less than full C1 power. WCBW, licensed to Columbia, Illinois, transmits from this tower also, with full Class C3 power. It was formerly a Class A transmitting from a tower in Illinois. WVRV, a Class B station licensed to East St. Louis, Illinois, holds a CP to move to KMJM's auxiliary tower, at a mid-city site in St. Louis. In the process, it will shift from Class B to Class C2. Though the power caps for Class B and Class C2 are the same (50-kw), Class C2 stations receive slightly less protection. Even so, the more central tower site will increase the station's penetration significantly.

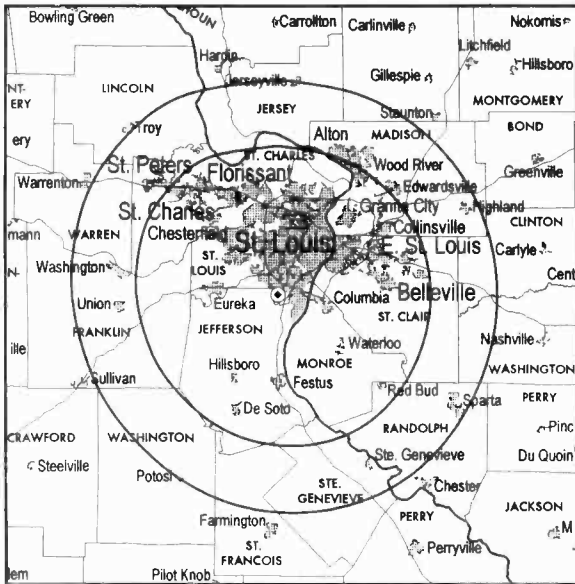


ARBITRON METRO AREA

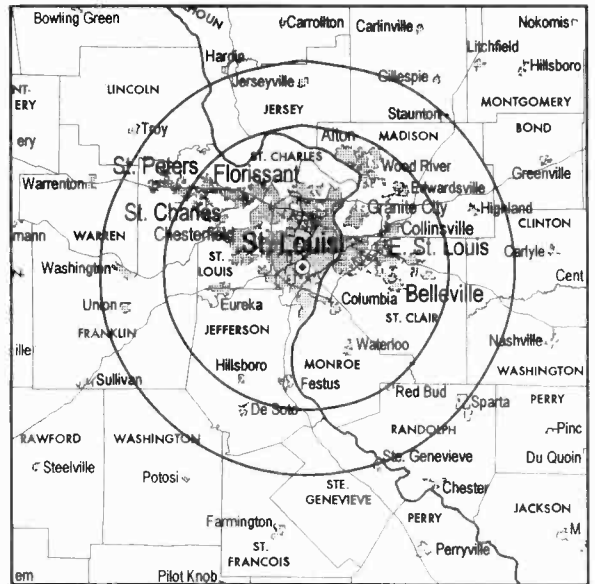


KSHE	94.7	100/1026
KFUE	99.1	100/1026
KEZK	102.5	100/1026
KMJM	107.7	100/1026

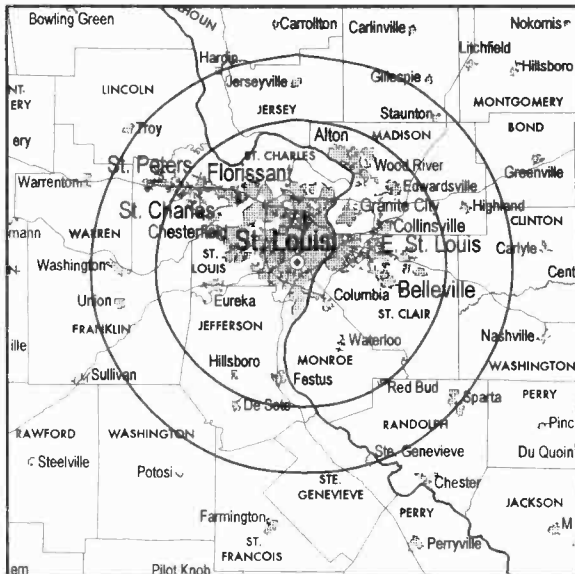
ST. LOUIS



WIL 92.3 100/984



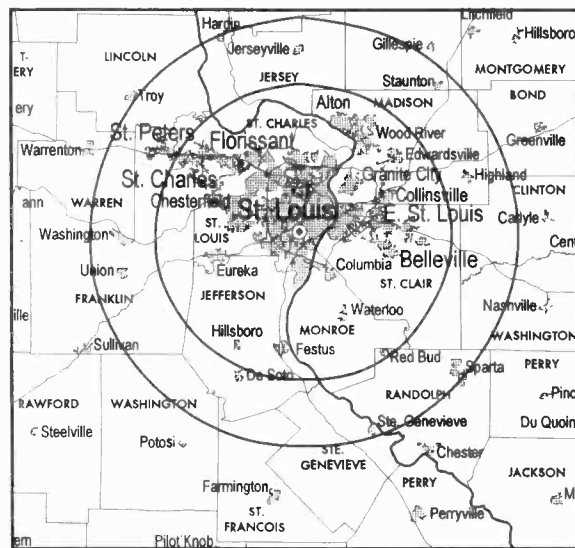
KSD 93.7 100/860



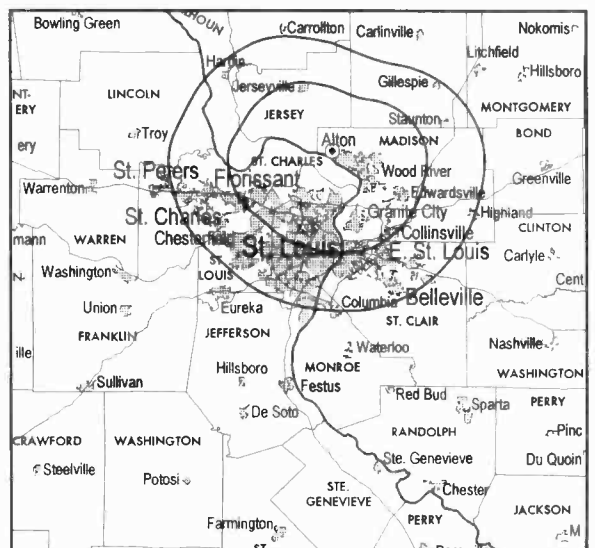
KIHT 96.3 80/1026



KXOK 97.1 100/560

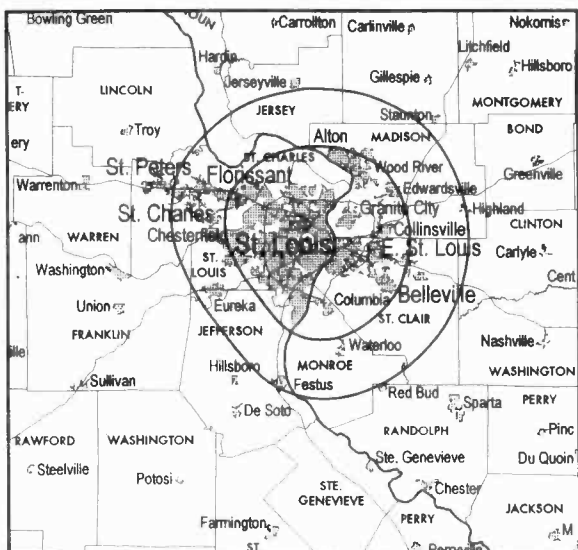


KYKY 98.1 90.2/1026
WKXX 106.5 90.2/1026

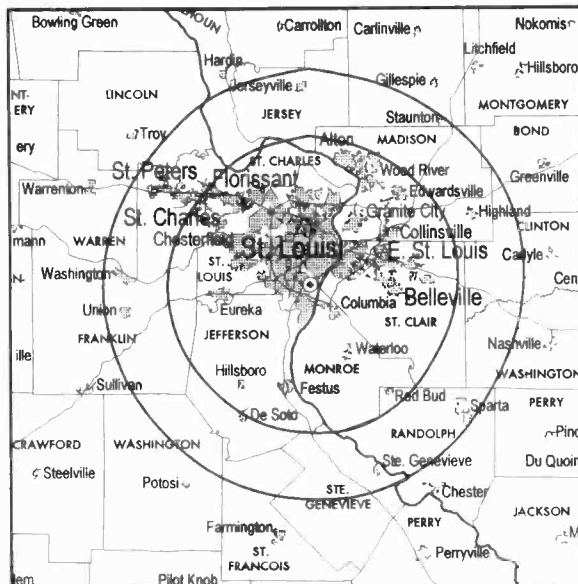


KATZ 100.3 50/490

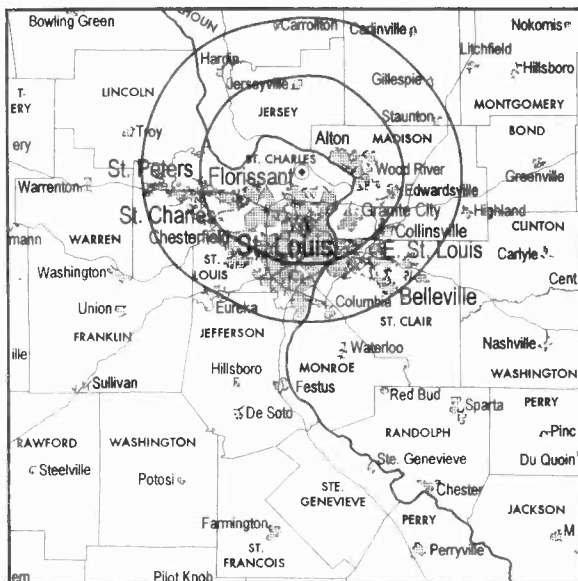
ST. LOUIS



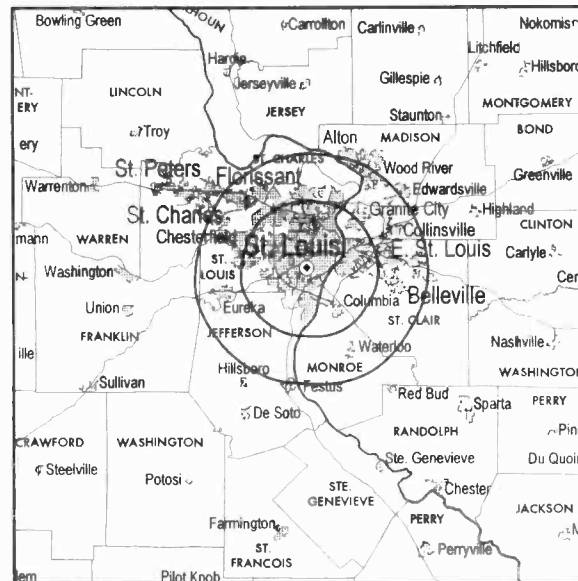
WVRV 101.1 44/525
 WVRV CP 101.1 44/518



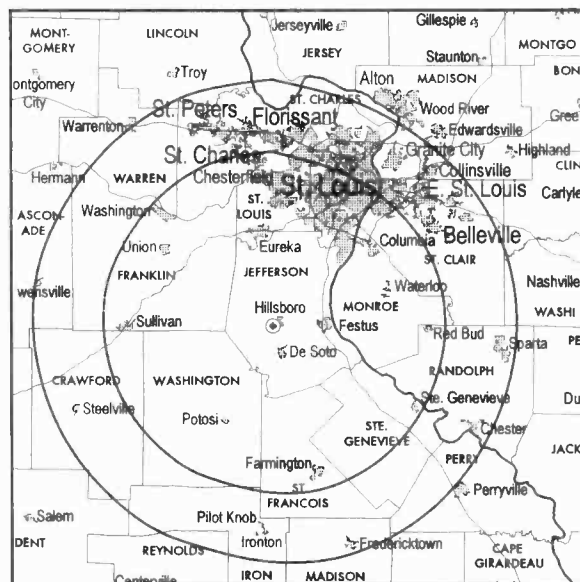
KLOU 103.3 100/920



WKBQ 104.1 39/550



WCBW 104.9 7.8/574



KPNT 105.7 100/1375

SALT LAKE CITY

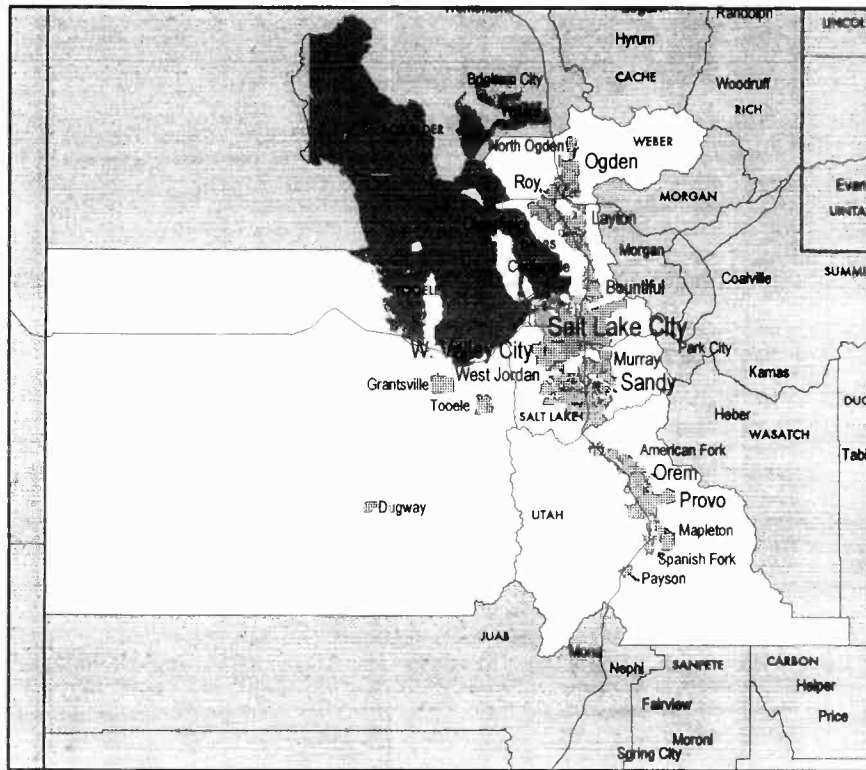
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KUBL KSL master antenna, Mt. Farnsworth, Oquirrh Mtns., W of Salt Lake City City of License: Salt Lake City, UT	L	93.3	C	26.30	No	3740	1140	219	40 39 35	112 12 05
KODJ Adjacent to Ch. 2 tower, on Pix Peak, Oquirrh Mtns., W of Salt Lake City City of License: Salt Lake City, UT	L	94.1	C	40.00	No	3063	933	200	40 36 22	112 09 49
KZHT Lake Mountain antenna farm, 15 mi. W of Provo City of License: Provo, UT	L	94.9	C	48.00	No	2799	853	145	40 16 48	111 56 11
KYFO Little Mountain, W of Ogden City of License: Ogden, UT	L	95.5	C1	100.00	No	681	207	341	41 15 17	112 14 14
KYFO CP Little Mountain, W of Ogden City of License: Ogden, UT	C	95.5	C1	100.00	No	774	236		41 15 17	112 14 16
KXRK Lake Mountain antenna farm, 15 mi. W of Provo City of License: Provo, UT	L	96.1	C	55.00	No	2630	802	104	40 16 48	111 56 05
KXRK CP Near Ch. 7 & 11, Mt. Vision, Oquirrh Mountains City of License: Provo, UT	C	96.1	C	38.00	Yes	2953	900	177	40 36 28	112 09 26
KISN Mt. Farnsworth antenna farm City of License: Salt Lake City, UT	L	97.1	C	30.00	No	3652	1113	85	40 39 35	112 12 05
KBZN KSL master antenna City of License: Ogden, UT	L	97.9	C	26.30	No	3740	1140	219	40 39 35	112 12 05
KBEE Adjacent to Ch. 7 & 11, Mt. Vision, Oquirrh Mountains City of License: Salt Lake City, UT	L	98.7	C	40.00	No	2933	894	187	40 36 30	112 09 34
KUTQ Adjacent to Ch. 7 & 11, Mt. Vision, Oquirrh Mountains City of License: Bountiful, UT	L	99.5	C	40.00	No	2953	900	120	40 36 29	112 09 33
KSFI KSL master antenna City of License: Salt Lake City, UT	L	100.3	C	26.30	No	3740	1140	219	40 39 35	112 12 05
KBER KSL master antenna City of License: Ogden, UT	L	101.1	C	26.30	No	3740	1140	219	40 39 35	112 12 05
KKAT KSL master antenna City of License: Ogden, UT	L	101.9	C	26.30	No	3740	1140	219	40 39 35	112 12 05

SALT LAKE CITY

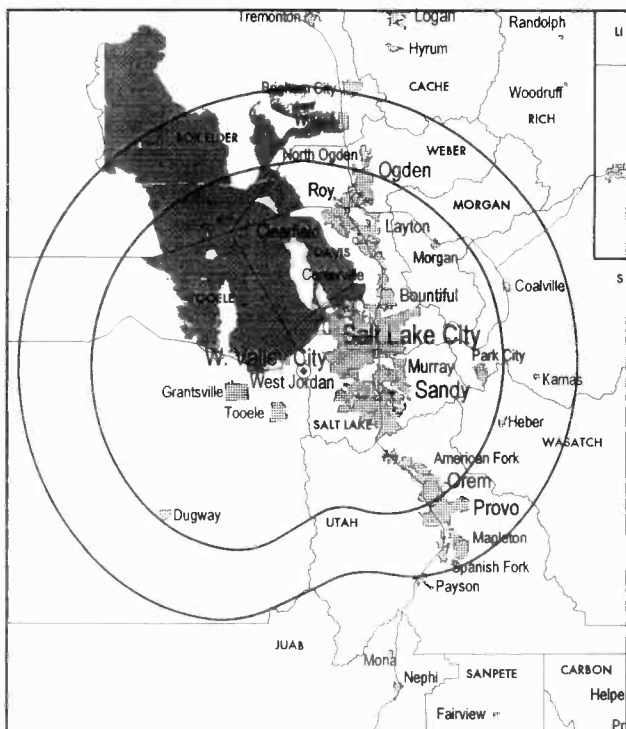
KRSP Mt. Farnsworth antenna farm City of License: Salt Lake City, UT	L	103.5	C	27.50	No	3630	1106	138	40 39 37	112 12 05
KSOP Adjacent to KSL-TV/FM tower, Mt. Farnsworth City of License: Salt Lake City, UT	L	104.3	C	25.10	No	3640	1109	80	40 39 35	112 12 05
KUMT KSL-TV auxiliary tower, Mt. Farnsworth City of License: Centerville, UT	L	105.7	C	7.30	No	3661	1116	138	40 39 37	112 12 05
KBKK Lake Mountain antenna farm, 15 mi. W of Provo City of License: Spanish Fork, UT	L	106.5	C1	7.50	No	2710	826	60	40 16 45	111 56 00
KLZX In mountains near Promontory Point, E side of Great Salt Lake, W of Ogden City of License: Brigham City, UT	L	106.9	C	68.00	No	2369	722	244	45 15 27	112 26 24
KENZ Lake Mountain antenna farm, 15 mi. W of Provo City of License: Orem, UT	L	107.5	C	45.00	No	2850	869	195	40 16 48	111 56 05
KRKR On tower with KLZX 106.9 City of License: Roy, UT	L	107.9	C	67.00	No	2377	725	244	45 15 27	112 26 24

Market overview/update: Most of the FMs in the Salt Lake City market are full Class C operations with good coverage of all three major population centers along the Wasatch Front - Salt Lake City, Provo and Ogden. Transmitters for these stations are grouped at three different sites in the Oquirrh Mountains west-southwest of Salt Lake City. The range rises to over 9,000 feet - almost a mile higher than the population centers below. Nine FM's, all full Cs, transmit from Mt. Farnsworth. Five of these stations are licensed on a "master" antenna on the KSL-TV tower. Four stations (KISN, KRSP, KSOP and KUMT) operate from their own towers on Farnsworth. All but KUMT also maintain slots on the KSL master as alternate main sites. KUMT is still a C, but runs with only 7.3-kw due to RF concerns. KODJ operates from nearby Pix Peak at the Ch. 2 site. KBEE and KUTQ operate from Mt. Vision in the Oquirrhs, at the Ch. 7/11 site. The "real world" coverage from each of these lofty sites is well in excess of that shown on the maps. Four stations (KZHT, KXRK, KBKK and KMXB) currently operate from atop Lake Mountain, directly across Utah Lake from Provo. Lake Mountain obviously provides excellent coverage of Provo/Orem, and also city-grades Salt Lake, albeit with some shadowing in certain areas. KZHT, KXRK and KMXB are full Cs; KBKK is a C1. One of the Lake Mountain stations, KXRK, holds a CP to move to Mt. Vision, which would make it a full-market signal. Two FM's in the area, KRKR and KLZX, transmit from Promontory Point, atop a ridge on a peninsula in the Great Salt Lake west of Ogden.

SALT LAKE CITY

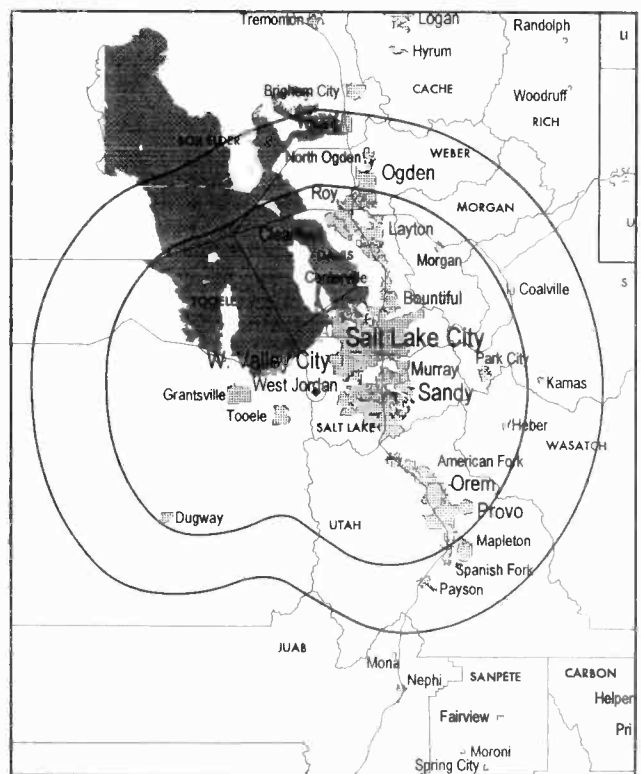


ARBITRON METRO AREA



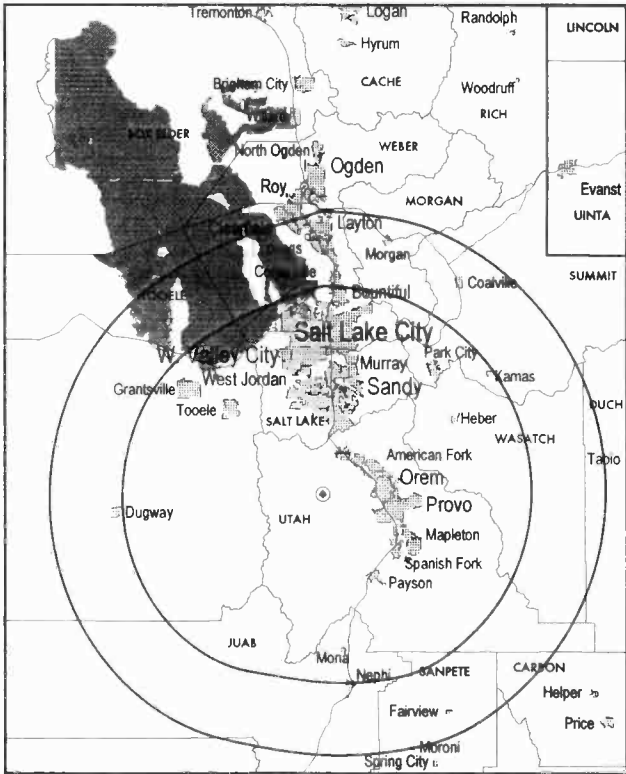
KSL MASTER ANTENNA

KUBL	93.3	26.3/3740
KBZN	97.9	26.3/3740
KSFI	100.3	26.3/3740
KBER	101.1	26.3/3740
KKAT	101.9	26.3/3740

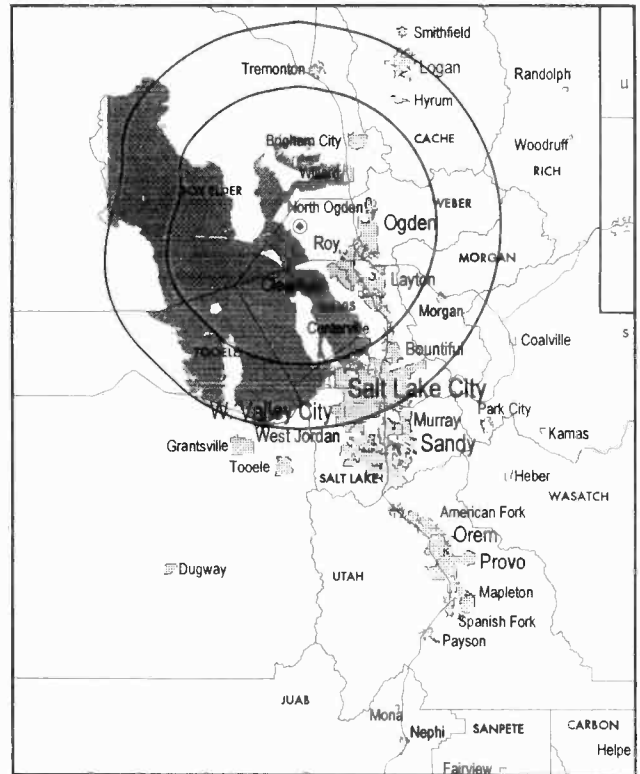


KODJ 94.1 40/3063

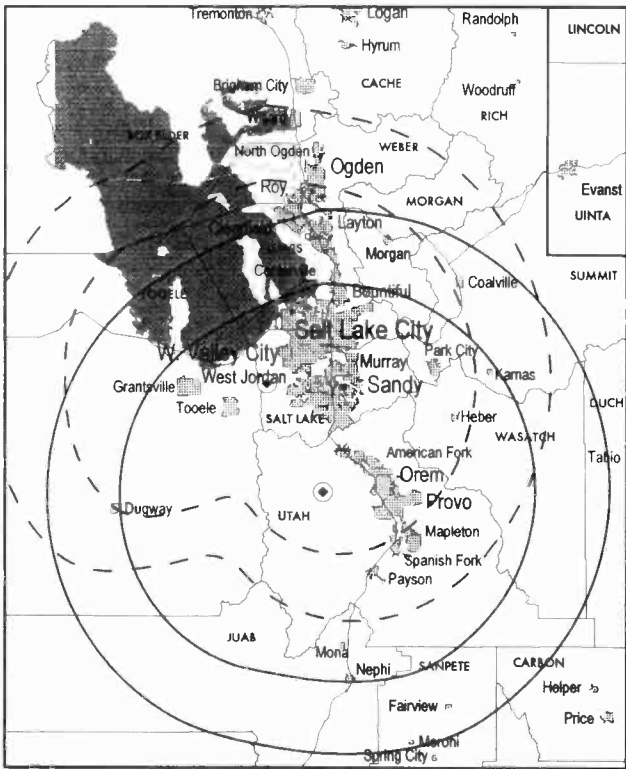
SALT LAKE CITY



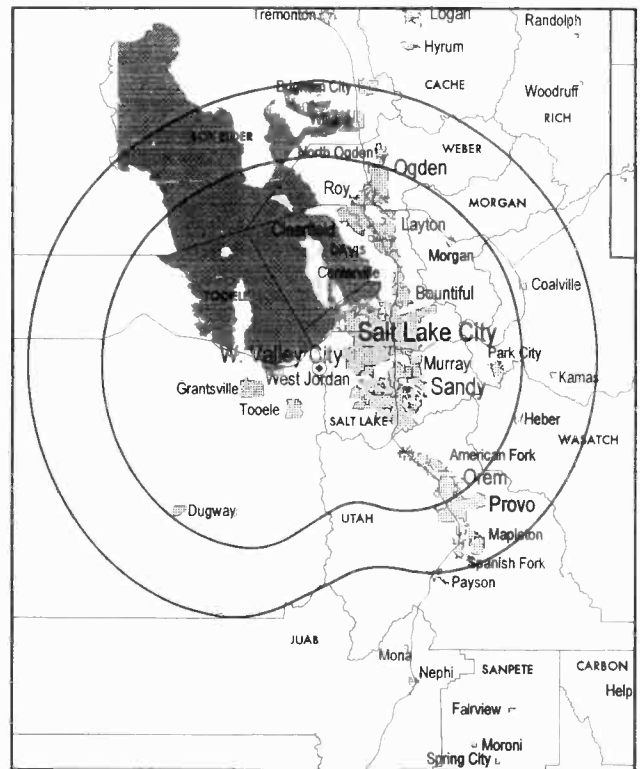
KZHT 94.9 48/2799



KYFO 95.5 100/681

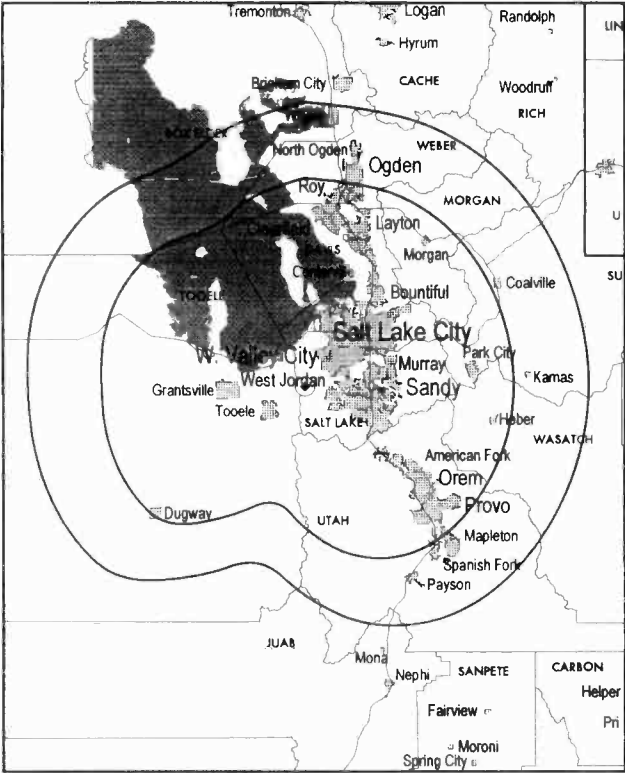


KXRK 96.1 55/2630
KXRK 96.1 38/2953

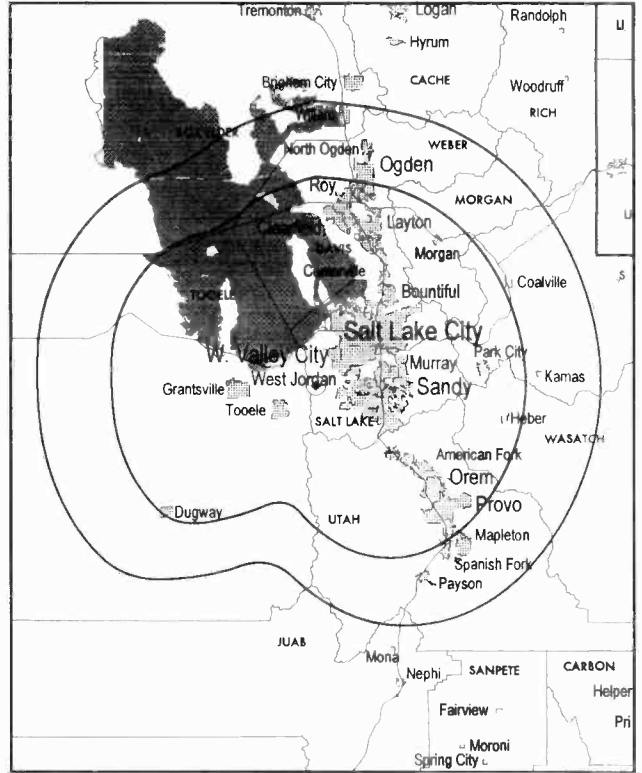


KISN 97.1 30/3652

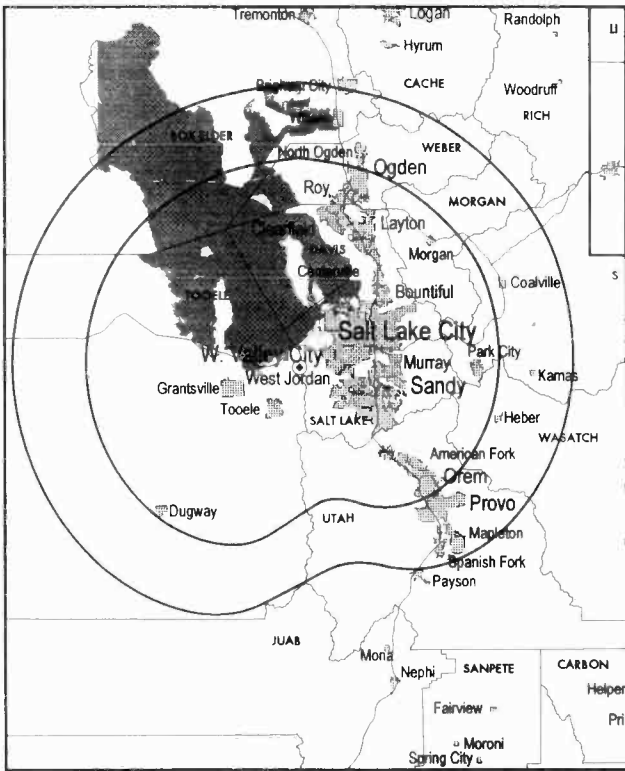
SALT LAKE CITY



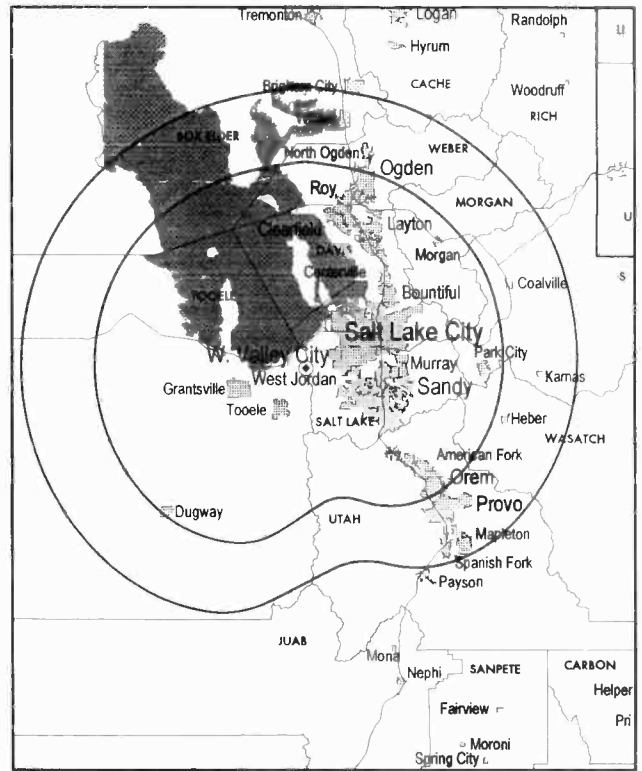
KBEE 98.7 40/2933



KUTQ 99.5 40/2953

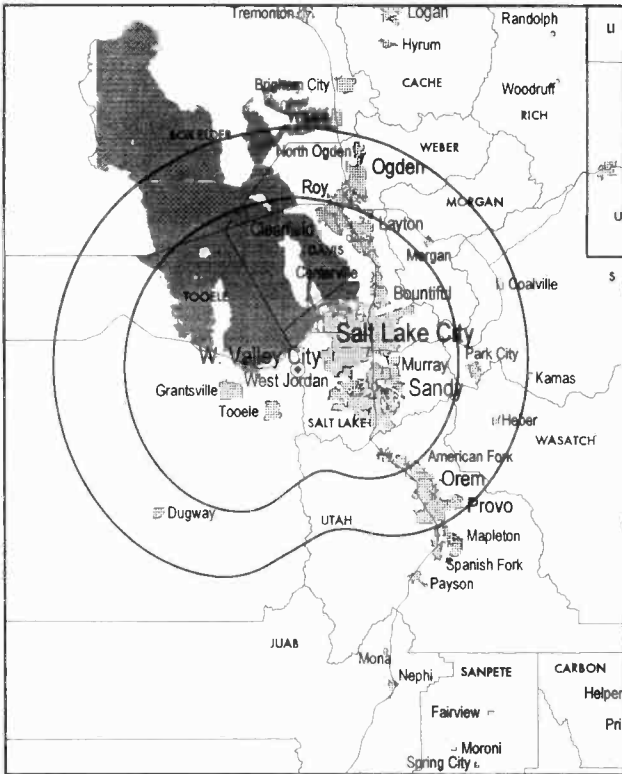


KRSP 103.5 27.5/3630

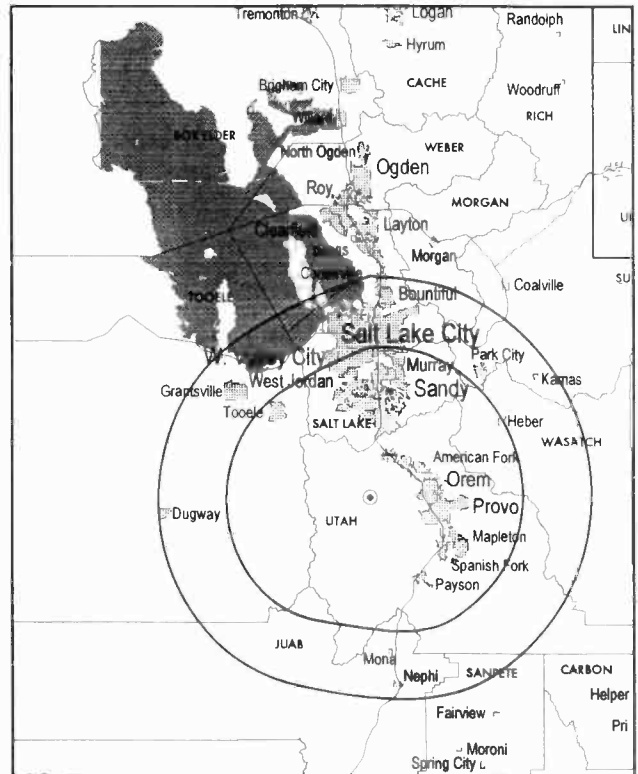


KSOP 104.3 25.1/3640

SALT LAKE CITY



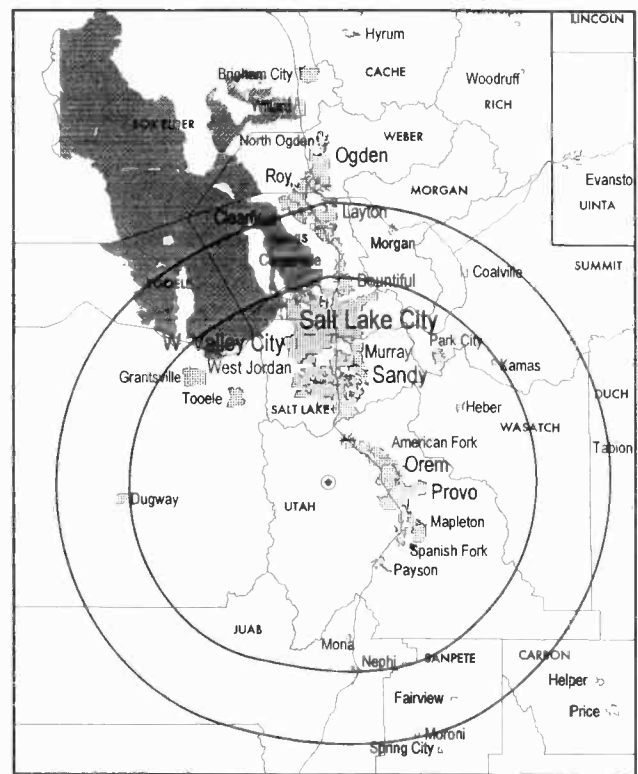
KUMT 105.7 7.3/3661



KBKK 106.5 7.5/2710



KLZK 106.9 68/2369
KRKR 107.9 67/2377



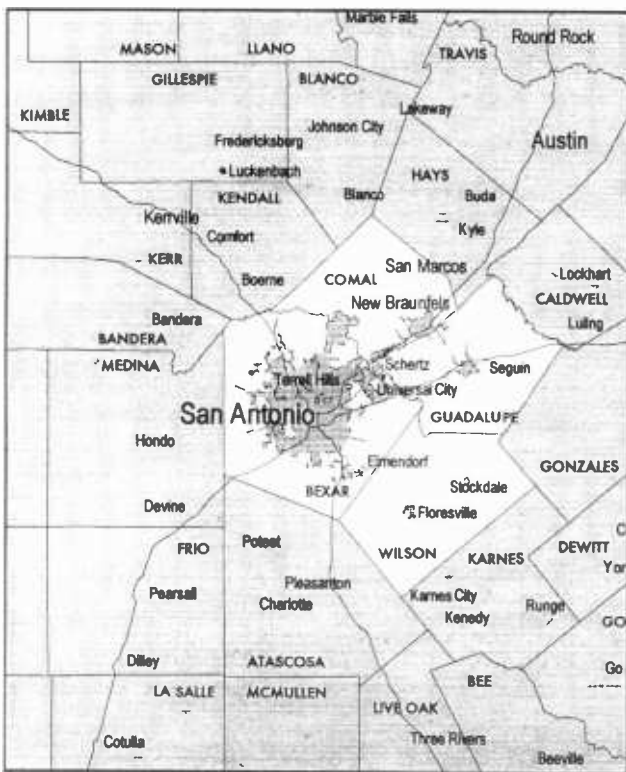
KENZ 107.5 45/2850

SAN ANTONIO

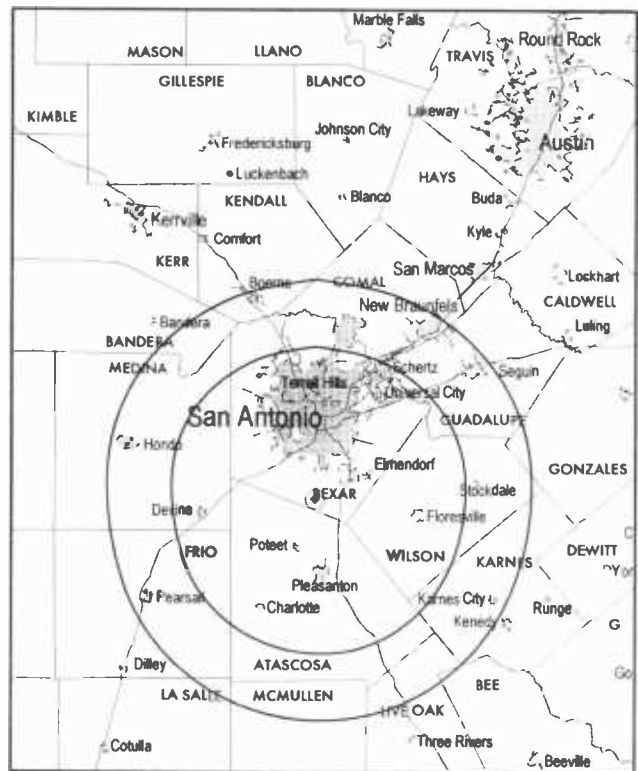
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KROM Off Pleasanton Rd., 2 mi. S of Loop 1604, near Thelma, S of San Antonio City of License: San Antonio, TX	L	92.9	C	100.00	No	1016	310	969	29 11 03	98 30 49
KRIO On tower with KROM 92.9 and KCJZ 106.7 City of License: Floresville, TX	L	94.1	C2	22.00	No	696	212	969	29 11 03	98 30 49
KSJL Heurmann Rd., 1 mi. E of junction with Babcock Rd., on ridge W of I-10 City of License: San Antonio, TX	L	96.1	C1	100.00	No	597	182	371	29 38 00	98 37 50
KAJA Galm Rd. at FM Rd. 1560, Helotes, with KCY Y 100.3 City of License: San Antonio, TX	L	97.3	C	100.00	No	984	300	1129	29 31 25	98 43 25
KISS Television antenna farm, 4.3 mi. ENE of Elmendorf, SE of San Antonio City of License: San Antonio, TX	L	99.5	C	100.00	No	1111	339	1514	29 16 29	98 15 52
KCY Y On tower with KAJA 97.3 City of License: San Antonio, TX	L	100.3	C	100.00	No	984	300	1129	29 31 25	98 43 25
KONO On hill above Upper Cibolo Rd., 7 mi. W of Bourne, 3 mi. W of I-10 City of License: Fredericksburg, TX	L	101.1	C	100.00	No	1371	418	1249	29 50 26	98 49 32
KQXT Tower of the Americas, Hemisfair Plaza, downtown San Antonio City of License: San Antonio, TX	L	101.9	C1	100.00	No	672	204	750	29 25 09	98 29 06
KTFM Tower of the Americas with KQXT 101.9 City of License: San Antonio, TX	L	102.7	C1	100.00	No	672	204	750	29 25 09	98 29 06
KZEP Tower of the Americas with KQXT 101.9 City of License: San Antonio, TX	L	104.5	C1	100.00	No	660	201	750	29 25 09	98 29 06
KSMG On tower with KISS 99.5 City of License: Seguin, TX	L	105.3	C	100.00	No	1250	381	1514	29 16 29	98 15 52
KCJZ On tower with KROM 92.9 City of License: Terrell Hills, TX	L	106.7	C	100.00	No	1016	310	969	29 11 03	98 30 49
KXTN On tower with KISS 99.5 City of License: San Antonio, TX	L	107.5	C	100.00	No	1470	448	1514	29 16 29	98 15 52

SAN ANTONIO

Market overview/update: A fairly "normal" complement of signal for a market this size, and not a particularly problematic market from an FM signal standpoint. There are two new signals in recent years. KRIO is a C2 drop-in on the KROM/KCJZ tower, and KONO-FM is a full C move-in from Fredericksburg, transmitting from a 1250' tower in the Hill Country west of Boerne.



ARBITRON METRO AREA

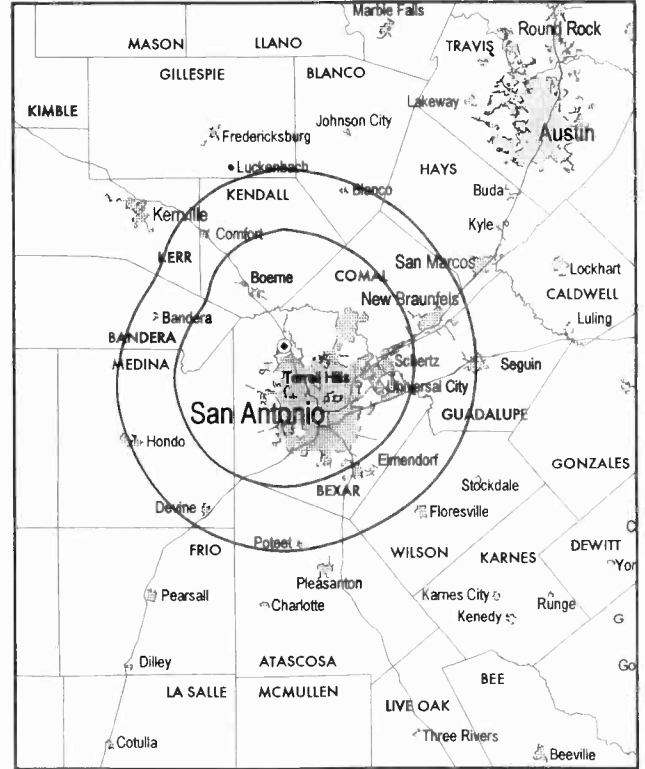


KROM	92.9	100/1016
KCJZ	106.7	100/1016

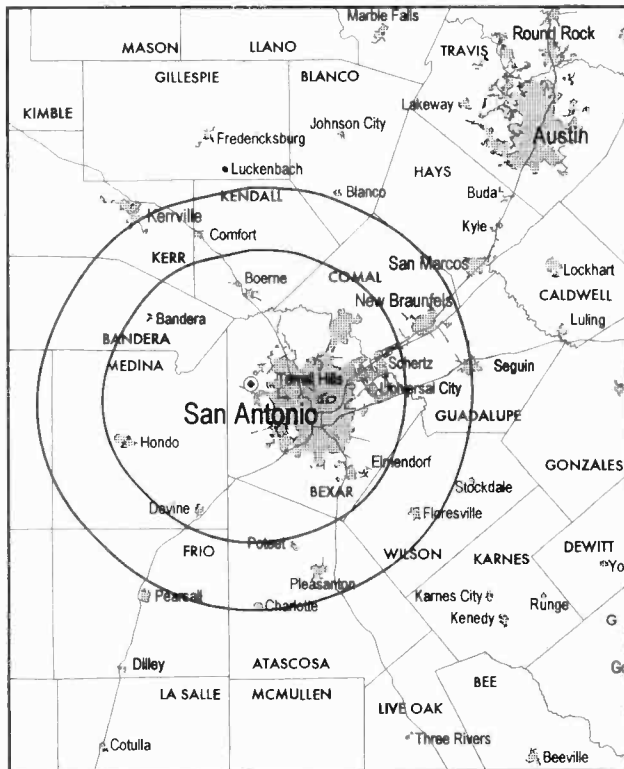
SAN ANTONIO



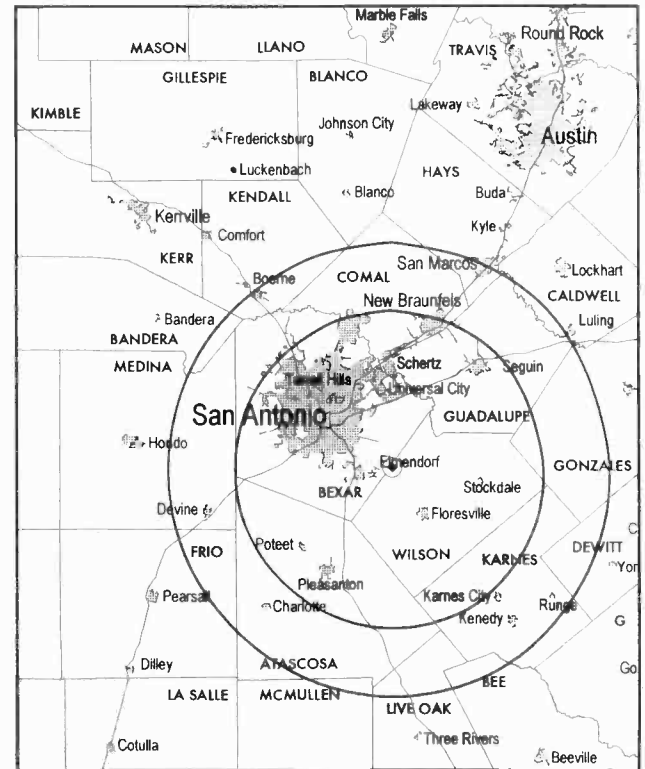
KRIO 94.1 22/696



KSJL 96.1 100/597

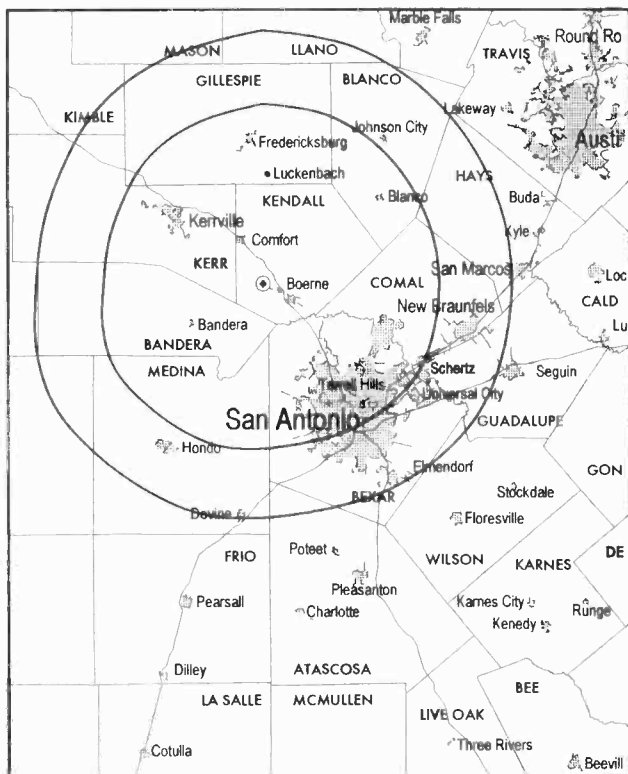


KAJA 97.3 100/984
KCYY 100.3 100/984

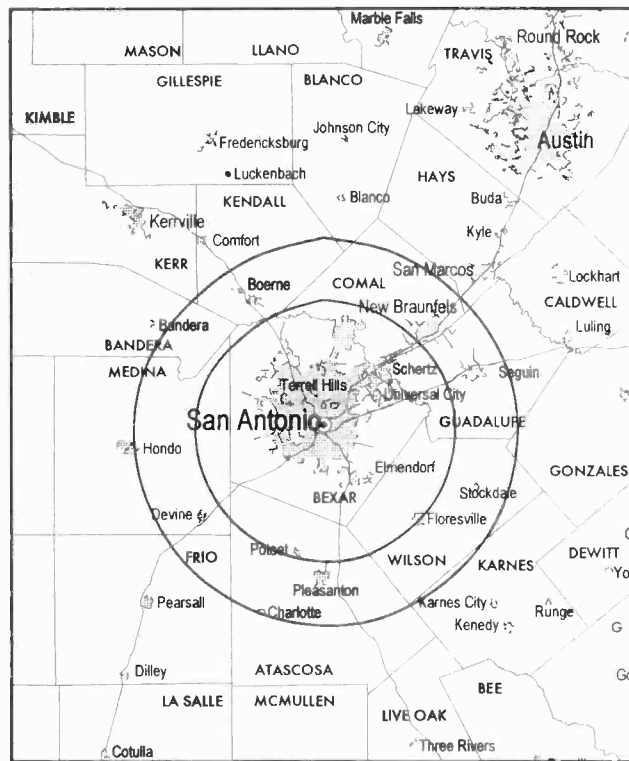


KISS 99.5 100/111

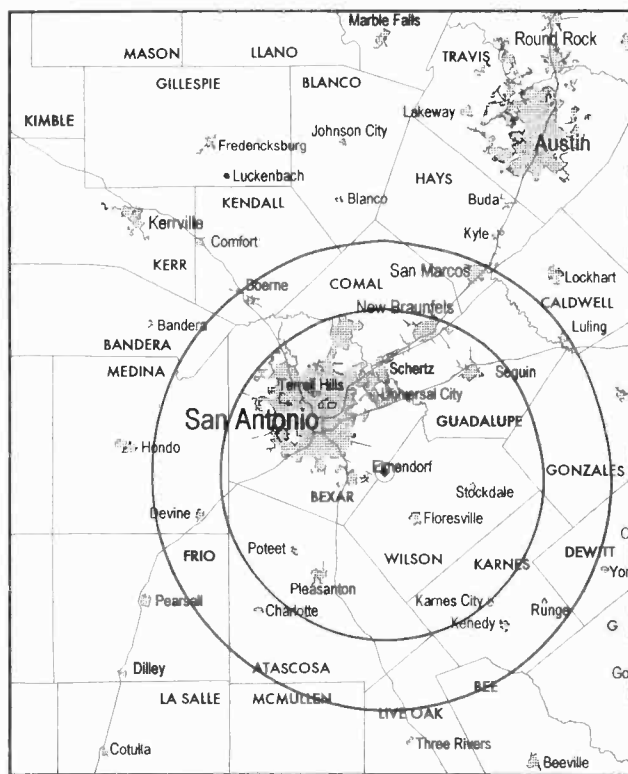
SAN ANTONIO



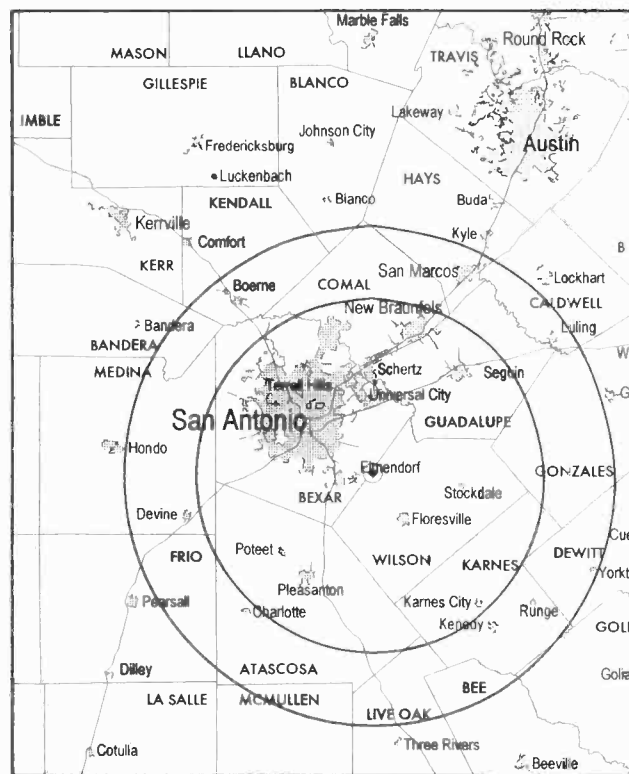
KONO 101.1 100/1371



KQXT 101.9 100/672
 KTFM 102.7 100/672
 KZEP 104.5 100/660



KSMG 105.3 100/1250



KXTN 107.5 100/1470

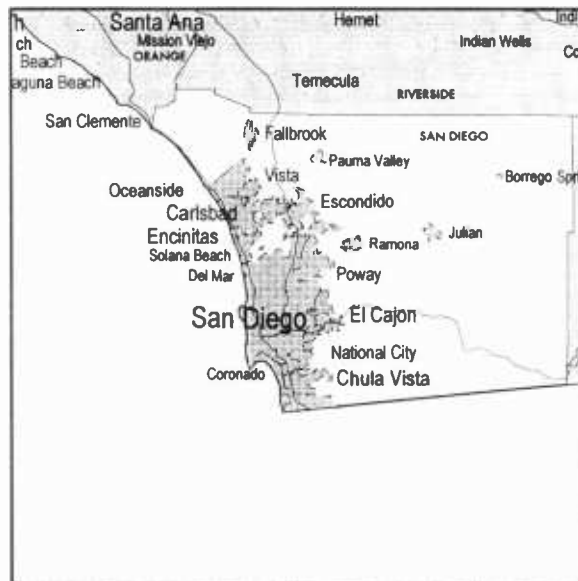
SAN DIEGO

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KOWF 21851 Washington Drive, San Marcos, 1000' from crest of Mt. Whitney City of License: Escondido, CA	L	92.1	A	0.17	No	1024	312	47	33 06 41	117 09 10
KOWF CP Increase to 580 watts at same site City of License: Escondido, CA	C	92.1	A	0.58	No	1024	312	47	33 06 41	117 09 10
KHTS San Miguel Mountain antenna farm, adjacent to Chs. 15, 39 & 51 (El. 2550') City of License: El Cajon, CA	L	93.3	B	1.80	No	1886	575	132	32 41 48	116 56 10
KFSD Ch. 10 tower, 7022 La Jolla Scenic Drive, Mt. Soledad City of License: San Diego, CA	L	94.1	B+	100.00	No	640	195	255	32 50 21	117 14 57
KBZT Ch. 10 tower with KFSD 94.1, Mt. Soledad City of License: San Diego, CA	L	94.9	B	22.00	No	702	214	255	32 50 21	117 14 57
KUPR KKBH 102.9 tower, Mt. Soledad City of License: Carlsbad, CA	L	95.7	B1	7.20	No	597	182	144	33 50 24	117 14 52
KUPR CP Upgrade to Class B at same site City of License: Carlsbad, CA	C	95.7	B	29.00	No	640	195	144	33 50 24	117 14 52
KYXY Adjacent to Ch. 8 tower, 7000 La Jolla Scenic Drive, Mt. Soledad City of License: San Diego, CA	L	96.5	B	41.00	No	540	165	160	32 50 17	117 14 56
KSON SW tower, KOGO-AM 600 array, 5706 Old Memory Lane, Skyline Hills, S of CA 94 Freeway City of License: San Diego, CA	L	97.3	B	50.00	No	440	134	413	32 43 13	117 04 14
KIFM On tower with KYXY 96.5, Mt. Soledad City of License: San Diego, CA	L	98.1	B	28.00	No	640	195	160	32 50 17	117 14 56
KFMB Ch. 8 tower, Mt. Soledad City of License: San Diego, CA	L	100.7	B	30.00	No	620	189	284	32 50 17	117 14 56
KGB KPOP-AM 1360 tower, Pirotte Drive at 52nd Street, E San Diego, N of CA 94 Freeway City of License: San Diego, CA	L	101.5	B	50.00	No	500	152	577	32 43 49	117 05 01
KXST San Marcos Mountains, 3.2 mi E of Vista City of License: Oceanside, CA	L	102.1	B	9.50	No	980	299	138	33 12 53	117 11 15

SAN DIEGO

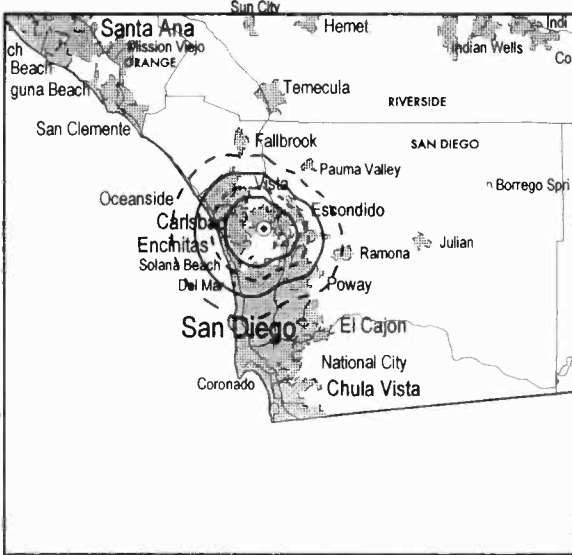
KKBH	L	102.9	B	32.00	Yes	617	188	144	33 50 24	117 14 52
Near corner of Via Capri and La Jolla Scenic Drive, Mt. Soledad										
City of License: San Diego, CA										
KMKX	L	103.7	B	36.00	No	578	177	100	32 50 21	117 14 57
Mt. Soledad										
City of License: San Diego, CA										
KIOZ	L	105.3	B	29.00	No	620	189	160	32 50 17	117 14 56
On tower with KYXY 96.5, Mt. Soledad										
City of License: San Diego, CA										
KKLQ	L	106.5	B	50.00	No	440	134	413	32 43 17	117 04 11
NE tower, KOGO-AM 600 array, 5706 Old Memory Lane, Skyline Hills, S of CA 94 Freeway										
City of License: San Diego, CA										
KVYY	L	107.1	A	3.00	No	300	91	130	33 23 01	117 11 20
450 Yucca Rd., E of Fallbrook, W of I-15										
City of License: Fallbrook, CA										

Market overview/update: Nine San Diego FM's transmit from the Mt. Soledad antenna farm above La Jolla. Six are standard power Class Bs (KBZT, KYXY, KIFM, KFMB, KMKX and KIOZ), one is a standard B with a DA pull-in to the south (KKBH) and one is a grandfathered superpower (KFSD). The most recent addition on Soledad is KUPR Oceanside, which moved from its former site near Carlsbad, upgraded from Class A to Class B1 and shifted from 95.9 to 95.7. KUPR has been granted a CP for standard Class B power. Soledad is also the transmitter site for San Diego's two VHF TVs. Even though Soledad "wastes" half of each signal over water, its situation some distance north of downtown is a plus in covering the fast-growing North County area, while retaining line-of-sight coverage of the bulk of the city. Three FM's (KGB, KKLQ and KSON) transmit from mid-city AM towers. KGB's location on the KPOP-AM tower allows it to transmit 50-kw at a full B Class height of 500'. KSON and KKLQ each transmit from the KOGO (600) array; KSON from the southwest tower, KKLQ from the northeast tower. Non-commercial KPBS is diplexed with KKLQ. Both antennas are at 440'. Each of the mid-city stations runs a full 50-kw, giving them saturation strength over the most urbanized areas, at the expense of some shadowing in more distant areas. Jacor recently bought the former KECR and has flipped it from non-commercial to commercial as KHTS. The move makes it the only commercial FM transmitting from the city's UHF antenna farm on San Miguel Mountain on the southeast edge of the city. It's a full Class B, though power is restricted to 1.8-kw at San Miguel's 2550' elevation (just short of 1900' above average terrain). Its coverage is competitive over the city, but less powerful than Soledad in the North County. A Tijuana section follows San Diego.



ARBITRON METRO AREA

SAN DIEGO



KOWF 92.1 170w/1024
 KOWF CP 92.1 580w/1024



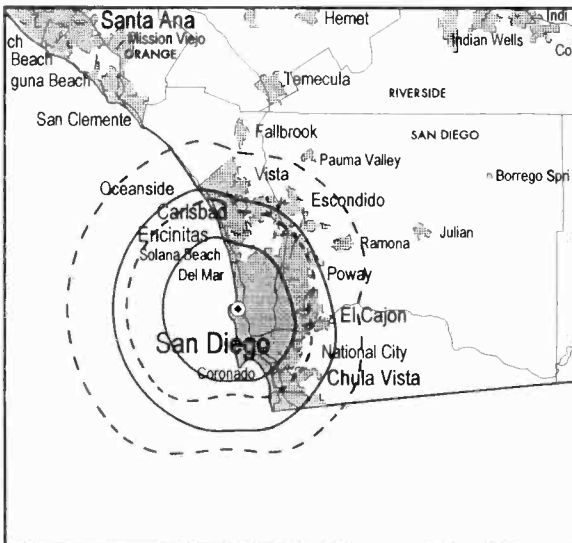
KHTS 93.3 1.8/1886



KFSD 94.1 100/640



KBZT 94.9 22/702
 KIOZ 105.3 29/620



KUPR 95.7 7.2/597
 KUPR CP 95.7 29/640



KYXY 96.5 41/540
 KMKX 103.7 36/578

SAN DIEGO



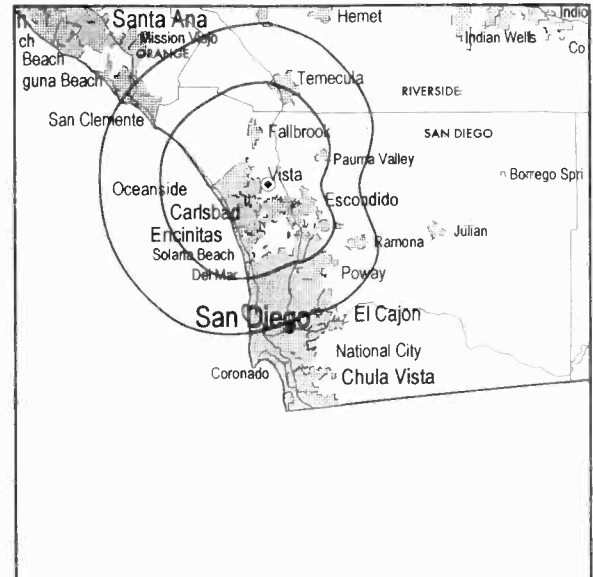
KSON 97.3 50/440
 KKLQ 106.5 50/440



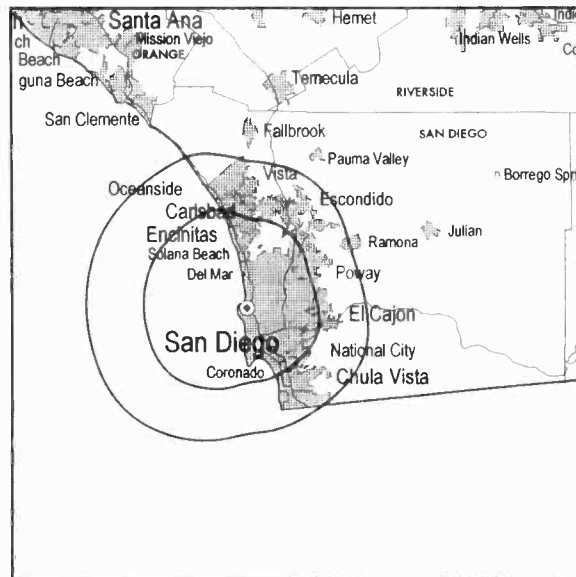
KIFM 98.1 28/640
 KFMB 100.7 30/620



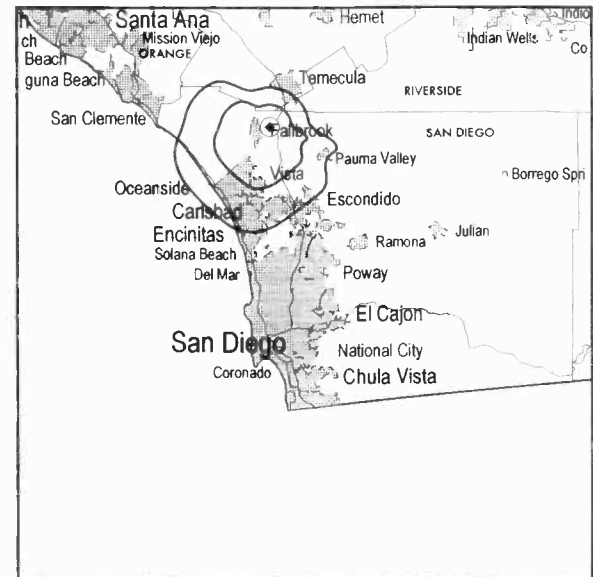
KGB 101.5 50/500



KXST 102.1 9.5/980



KKBH 102.9 32/617

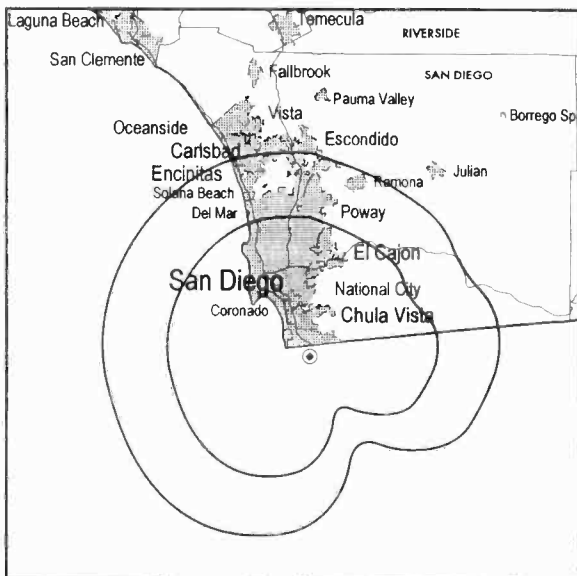


KVYY 107.1 3/300

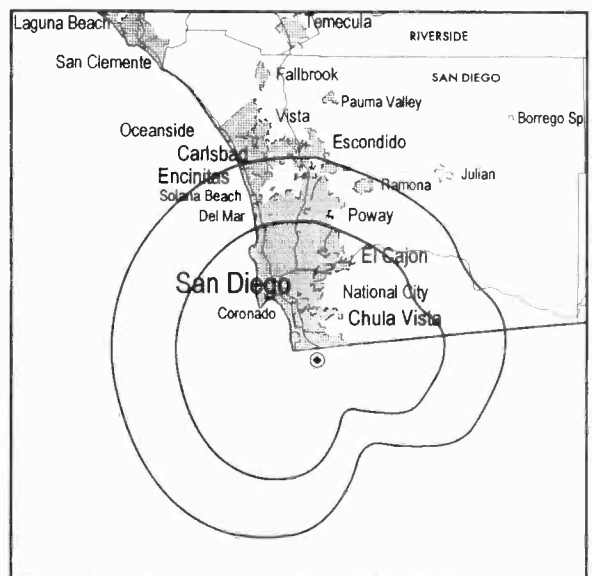
TIJUANA, BC, MEXICO

Call	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
XHITZ Mt. San Antonio, W of downtown Tijuana	90.3	C	93.00	Yes	840	256	250	32 30 28	117 02 18
XETRA Mt. San Antonio, 600' S of XHITZ	91.1	C	100.00	No	791	241	200	32 30 21	117 02 18
XHRM E of Mt. San Antonio, Tijuana	92.5	B	50.00	No	650	198			
XHLTN On tower with XHITZ (90.3)	104.5	B	57.00	No	721	220			

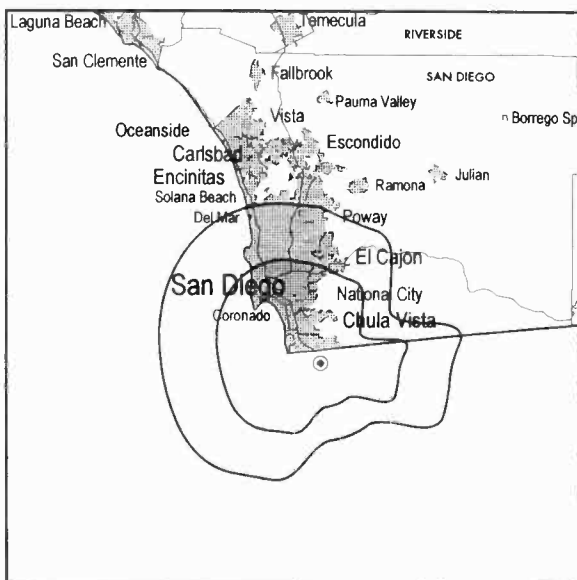
IMPORTANT NOTE: Tijuana data is not official. No reliable data exists quantifying the technical parameters of the FM stations which transmit into the San Diego market from Tijuana. The information in this section was gathered by the author from several unofficial sources, and should be considered an *informed estimate* of the facilities and coverage. We include it for general reference purposes, and to provide a more complete picture of the San Diego market. Our confidence level in this data is moderate to good.



XHITZ 90.3 93/840



XETRA 91.1 100/791



XHRM 92.5 50/650



XHLTN 104.5 57/721

SAN FRANCISCO

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KZWC 1199 Dunsrye Rd., N side of CA 24 Freeway, W of downtown Walnut Creek City of License: Walnut Creek, CA	L	92.1	A	3.00	No	89	27	90	37 53 59	122 05 38
KZSF Atop Bellaire Apartments, Green at Leavenworth, San Francisco City of License: Alameda, CA	L	92.7	A	1.78	No	397	122	255	37 47 54	122 24 59
KYCY In the hills above San Leandro, near Lake Chabot, E of Oakland Airport City of License: San Francisco, CA	L	93.3	B	50.00	Yes	492	150	144	37 43 27	122 07 07
KSAN Radio Rd., San Bruno Mtn. antenna farm, 1.3 mi. S of San Mateo County/San Francisco City-County line City of License: San Francisco, CA	L	94.9	B+	30.00	No	1210	369	190	37 41 22	122 26 10
KPIX San Bruno Mountain antenna farm City of License: San Francisco, CA	L	95.7	B	6.90	No	1290	393	260	37 41 23	122 26 12
KOIT Mt. Sutro tower, 250 Palo Alto Avenue, mid-city San Francisco City of License: San Francisco, CA	L	96.5	B+	33.00	No	1410	430	977	37 45 20	122 27 05
KLLC On KDFC 102.1 tower, Mt. Beacon, crest of Wolfback Ridge Rd., W of Sausalito, Marin County City of License: San Francisco, CA	L	97.3	B+	82.00	No	1014	309	165	37 51 03	122 29 51
KBGG Mt. Beacon, crest of Wolfback Ridge Rd., W of Sausalito, Marin County City of License: San Francisco, CA	L	98.1	B+	100.00	No	960	293	89	37 51 04	122 29 49
KSOL Mt. Sutro tower with KOIT 96.5 City of License: San Francisco, CA	L	98.9	B	6.00	No	1355	413	977	37 45 20	122 27 05
KFRC San Bruno Mountain antenna farm City of License: San Francisco, CA	L	99.7	B+	40.00	No	1299	396	185	37 41 15	122 26 04
KKHI San Pedro Mountain, NE of downtown San Rafael, 1.6 mi. E of Marin County Civic Center City of License: San Rafael, CA	L	100.7	A	0.91	No	797	243	50	37 59 25	122 29 58
KIOI San Bruno Mountain antenna farm City of License: San Francisco, CA	L	101.3	B+	125.00	Yes	1162	354	253	37 41 24	122 26 13
KKIQ Cedar Mountain, 6.4 mi. SE of Livermore City of License: Livermore, CA	L	101.7	A	4.50	No	381	116	56	37 35 42	121 39 42
KDFC Mt. Beacon, crest of Wolfback Ridge Rd., W of Sausalito, Marin County City of License: San Francisco, CA	L	102.1	B+	33.00	No	1047	319	165	37 51 03	122 29 51

SAN FRANCISCO

KBLX	L	102.9	B	6.60	No	1290	393	279	37 41 20	122 26 07
San Bruno Mountain antenna farm										
City of License: Berkeley, CA										
KKSF	L	103.7	B+	7.80	No	1470	448	977	37 45 20	122 27 05
Mt. Sutro tower with KOIT 96.5										
City of License: San Francisco, CA										
KFOG	L	104.5	B+	7.90	No	1450	442	977	37 45 20	122 27 05
Mt. Sutro tower with KOIT 96.5										
City of License: San Francisco, CA										
Note: Simulcast on KFFG 97.7 Los Altos (San Jose)										
KBRG	L	104.9	A	3.00	No	300	91	303	37 35 06	121 59 08
In hills above Niles District, E of Fremont										
City of License: Fremont, CA										
KITS	L	105.3	B+	15.00	No	1200	366	279	37 41 20	122 26 07
San Bruno Mountain antenna farm										
City of License: San Francisco, CA										
KMEL	L	106.1	B+	69.00	No	1290	393	253	37 41 24	122 26 13
San Bruno Mountain antenna farm										
City of License: San Francisco, CA										
KEAR	L	106.9	B+	80.00	No	1120	341	116	37 50 58	122 29 56
Mt. Beacon, Wolfback Ridge Rd., W of Sausalito, Marin County										
City of License: San Francisco, CA										
KYLD	L	107.7	B	8.90	No	1161	354	279	37 41 20	122 26 07
San Bruno Mountain, on tower with KBLX 102.9										
City of License: San Mateo, CA										

Market overview/update: San Francisco's beautiful terrain also creates the most difficult FM coverage challenges to be found in any major market. No single transmitter site is ideal for reaching all parts of the metro; each site has significant advantages and disadvantages. Here, more so than in any other market, "real world" usable coverage differs greatly from that shown on the maps. The maps in this book are generated using the methodology set forth in Section 73.313 of the FCC rules, which ignores all terrain obstructions unless they fall between 2 and 10 miles from the transmitter site. The resulting maps show far more uniform coverage than is actually the case. In practice, San Francisco signals encounter serious terrain obstructions long before signal strength runs out. Because so many close-in areas are "shadowed," signal strength becomes a factor only in scattered outlying areas. But particularly in the direction of San Jose, power is a factor. Several of the big grandfathered operations can be heard well in San Jose, others not so well.

Most of San Francisco's B Class FM's transmit from three sites: Mt. San Bruno south of the city, Mt. Beacon immediately across the bay in Marin County and the huge Sutro Tower in the middle of the city. San Bruno, being to the south, results in stronger coverage of the Peninsula and South Bay areas, but is shadowed in Marin. Mt. Beacon is line-of-sight to parts of Marin which other sites miss, and still provides very good overall coverage. The Beacon signals are somewhat weaker in the South Bay, because of the greater distance. Of the three, the Sutro Tower is the highest above sea level, yielding decent wide area coverage. It also "sees" into nooks and crannies in the city which other sites miss. Even with Sutro's great height, it is not immune to serious shadowing in some areas. None of the three sites is high enough to clear the 1600' ridge of the Berkeley Hills in the East Bay. Many stations have installed boosters to reach the heavily-populated Diablo Valley (Concord/Walnut Creek) area. KYCY is the only commercial Class B operating from a tower site in the East Bay area. It covers well to the south, but at the expense of some signal strength in the city and Marin. Among the Class A stations, KZSF (formerly KJAZ) is reasonably competitive in San Francisco, Oakland and Berkeley, operating from atop an apartment building in San Francisco. Since our last edition, KKHI (formerly KTID) has moved from 100.9 to 100.7, and from a low hill above downtown San Rafael to a higher hill a bit to the northeast. It is now line-of-sight to a significantly wider area. KBRG transmits from a hillside site near Fremont, and provides 1-millivolt service from San Bruno to San Jose. KZWC and KKIQ are A's with coverage of the north and south portions of the Diablo Valley.

SAN FRANCISCO



ARBITRON METRO AREA



KZWC

92.1

3/89



KZSF

92.7

1.78/397



KYCY

93.3

50/492

SAN FRANCISCO



KSAN 94.9 30/1210



KPIX 95.7 6.9/1290
 KBLX 102.9 6.6/1290
 KYLD 107.7 8.9/1161



KOIT 96.5 33/1410



KLLC 97.3 82/1014

SAN FRANCISCO



KBGG 98.1 100/960



KSOL 98.9 6/1355



KFRC 99.7 40/1299



KKHI 100.7 910w/797

SAN FRANCISCO



KIOI 101.3 125/1162



KKIQ 101.7 4.5/381



KDFC 102.1 33/1047



KKSF 103.7 7.8/1470
 KFOG 104.5 7.9/1450
 (See San Jose for KFOG/KFFG simulcast contours)

SAN FRANCISCO



KBRG 104.9 3/300



KITS 105.3 15/1200



KMEL 106.1 69/1290



KEAR 106.9 80/1120

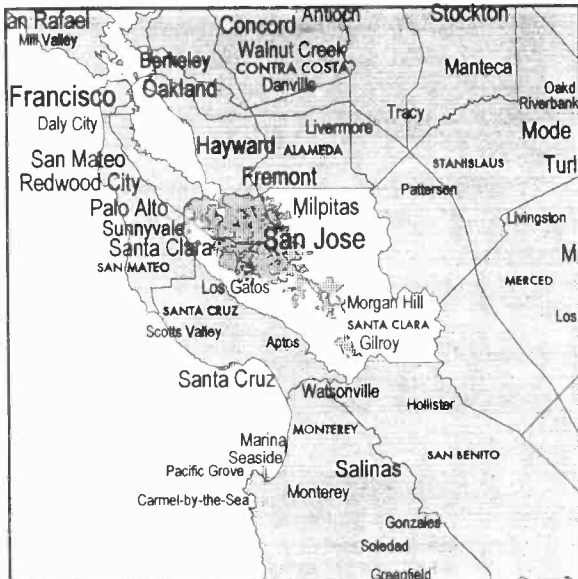
SAN JOSE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KSJO Coyote Peak, SE of San Jose City of License: San Jose, CA	L	92.3	B	50.00	No	466	142	175	37 12 33	121 46 30
KUFX Adjacent to Ch. 11 tower, Loma Prieta Peak (El. 3800'), S of San Jose City of License: Gilroy, CA	L	94.5	B	1.20	No	2536	773	164	37 06 39	121 50 37
KUFX CP With KSJO at Coyote Peak City of License: Gilroy, CA	C	94.5	B	34.00	Yes	587	179	301	37 12 33	121 46 30
KRTY 0.5 mi. above end of Blackberry Hill Rd. (El. 1800'), SE of downtown Los Gatos City of License: Los Gatos, CA	L	95.3	A	0.87	No	860	262	110	37 12 17	121 56 56
KFFG In hills 2.2 mi. SE of Monte Vista (El. 1300') City of License: Los Altos, CA Note: Simulcasts KFOG 104.5 San Francisco	L	97.7	A	1.60	No	449	137	45	37 18 27	121 05 36
KOME On tower with KRTY 95.3 City of License: San Jose, CA	L	98.5	B	12.50	No	880	268	110	37 12 17	121 56 56
KZOL On tower with KUFX 94.5 City of License: Santa Cruz, CA Note: Simulcasts KYLD 107.7 San Mateo/San Francisco	L	99.1	B	1.12	Yes	2612	796	164	37 06 39	121 50 37
KBAY Ch. 11 tower, Loma Prieta Peak, S of San Jose City of License: San Jose, CA	L	100.3	B+	14.50	No	2580	786	295	37 06 40	121 50 34
KARA Mt. Hamilton Rd., 3 mi. E of Alum Rock, E of San Jose (El. 1760) City of License: Santa Clara, CA	L	105.7	B	50.00	No	500	152	90	37 21 32	121 45 22
KEZR Mt. Hamilton Rd., 3 mi. E of Alum Rock, E of San Jose City of License: San Jose, CA	L	106.5	B	50.00	No	430	131	187	37 21 43	121 45 23

Market overview/update: Our San Francisco comments on standard FCC signal-prediction methodology also apply to San Jose. Most of the population in this market is in the relatively flat areas between the bay and the mountains. The city of San Jose and many of the surrounding cities have flat-to-gentle terrain. There are few reception problems in these areas. A far smaller percentage of the population is in the more problematic hill towns on the far edges of each side of the metro.

SAN JOSE

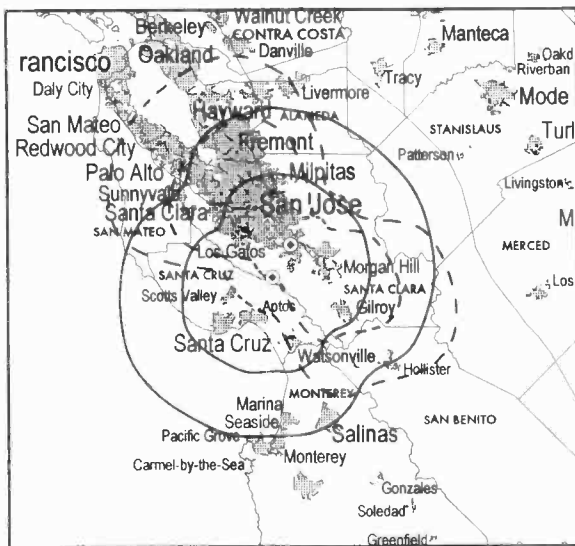
All of the FMs in the San Jose market operate from sites in the mountains which flank both sides of the metro. For this reason, the heights above average terrain for all stations in this market are quite deceiving. KSJO runs a full 50-kw from an 1100' peak south of San Jose, but its "average terrain" figure works out to only 466'. Likewise, KARA and KEZR operate from sites more than 1700' above the valley floor, and run the full 50-kw, but are "only" 500' and 430', respectively, above "average" terrain as the FCC calculates it. 50-kw at an effective antenna height of 1700' in the direction of the population yields contours which fall far beyond that which would be achieved with the Class B maximum of 50-kw at 500'. KARA and KEZR, being on the opposite side of the metro, "look into" the valleys and terrain recesses on the upscale western side of the metro, yielding somewhat cleaner reception there than stations located there, which must "look over" those same hills. KOME, KRTY and KFFG, with locations in the hills to the west, enjoy a similar advantage in the hills on the east side of the metro. Both of the market's Class A operations, KRTY and KFFG, have effective antenna heights well in excess of 1000' in the direction of the population. KUFX, KZOL and KBAY transmit from lofty Loma Prieta Peak, almost 4000' above the market (although KUFX holds a CP to move to Coyote Peak with KSJO). KBAY is grandfathered at power well in excess of current limits. KUFX is a standard power Class B. KZOL (99.1) is a full Class B, but is required to directionalize to protect KSOL (98.9) San Francisco. This is the only tight first adjacent situation between the two cities.



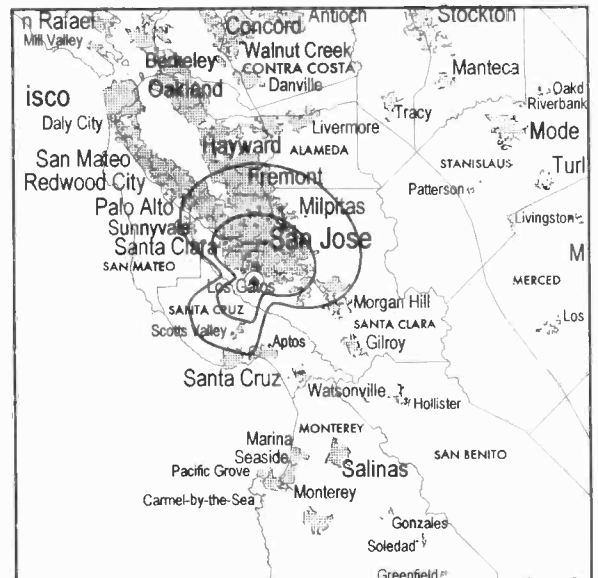
ARBITRON METRO AREA



KSJO 92.3 50/466



KUFX 94.5 1.2/2536
KUFX CP 94.5 34DA/587

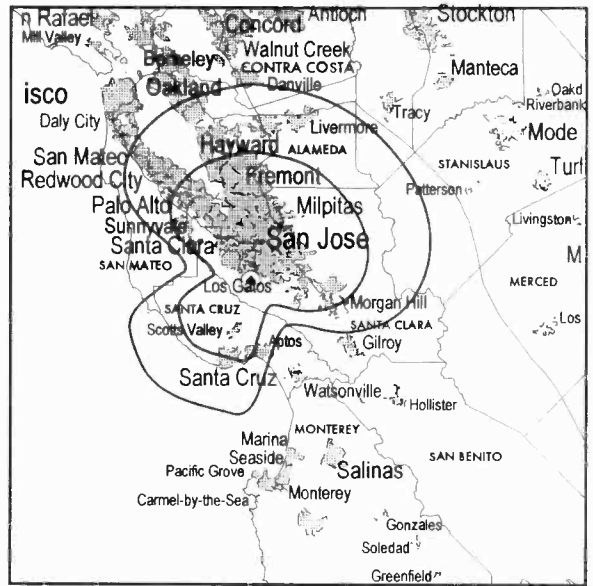


KRTY 95.3 870w/860

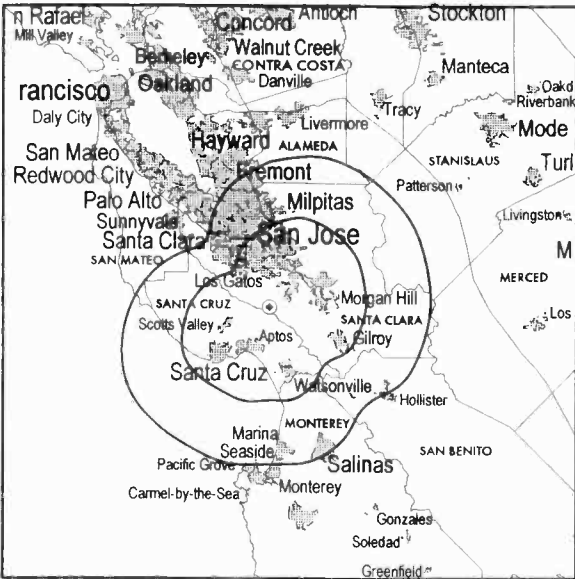
SAN JOSE



KFFG 97.7 1.6/449
 Simulcasts KFOG (104.5) San Francisco



KOME 98.5 12.5/880



KYLZ 99.1 1.12/2612



KBAY 100.3 14.5/2580



KARA 105.7 50/500



KEZR 106.5 50/430

SARASOTA - BRADENTON

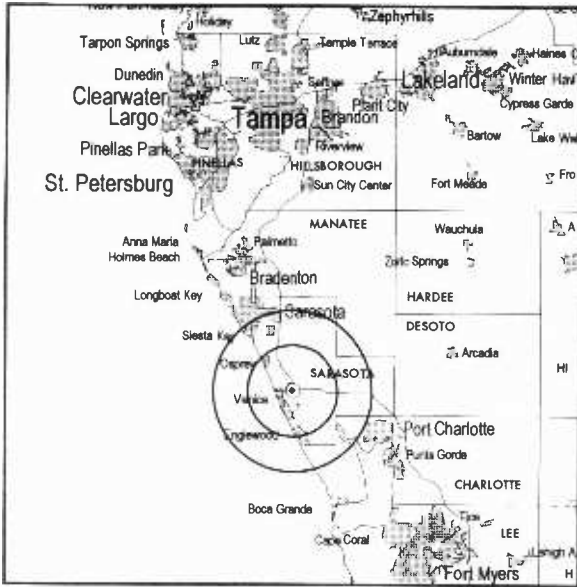
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WCTQ With WAMR-AM 1320, 282 N. Auburn Rd., Venice City of License: Venice, FL	L	92.1	A	6.00	No	295	90	315	27 06 20	82 24 01
WISP 4301 32nd St. W., Bradenton City of License: Holmes Beach, FL Note: The station has applied to move to the WYUU tower in Seminole with 50 kw at 489' HAAT and coverage identical to WYUU. See WYUU 92.5 under Tampa-St. Petersburg.	L	98.7	A	3.00	No	328	100	331	27 27 49	82 35 32
WSRZ City Island, Sarasota Bay, with WSPB-AM City of License: Sarasota, FL	L	106.3	A	3.00	No	260	79	284	27 20 12	82 34 25
WSRZ CP City Island, Sarasota Bay, with WSPB-AM City of License: Sarasota, FL Note: Has application to upgrade to C2 status on tower E of Bradenton	C	106.5	C3	25.00	No	260	79	284	27 20 12	82 34 25
WYNF Venice Farm Rd. at Green Cove Rd., Venice City of License: Coral Cove, FL	L	107.9	C2	46.00	No	515	157	571	27 06 01	82 22 18

Market overview/update: WDUV and WHPT, the only Class C operations licensed in this market, are both on tall-tower regional facilities and oriented primarily toward the Tampa market. Please see Tampa for their coverage. There have been two newcomers to the Sarasota market since our last edition. WYNF is a new C2 operation licensed to Coral Cove. WISP, a new A licensed to Holmes Beach west of Bradenton, already has applied to upgrade to 50-kw and move to the WYUU tower in Seminole, which would make it a St. Petersburg/Tampa signal. Coverage would be similar to WYUU in the Tampa section. WSRZ remains an A, transmitting from City Island in Sarasota Bay. It holds a CP to upgrade to 25-kw on its existing tower, but has applied to upgrade to 50-kw on a tower on the southeast side of Bradenton.



ARBITRON METRO AREA

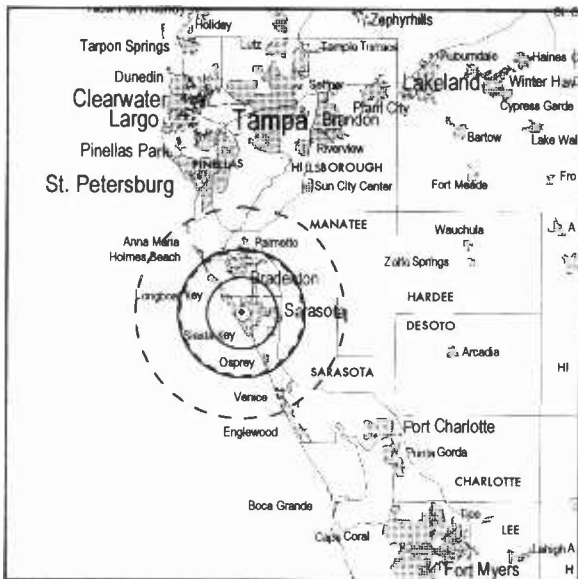
SARASOTA - BRADENTON



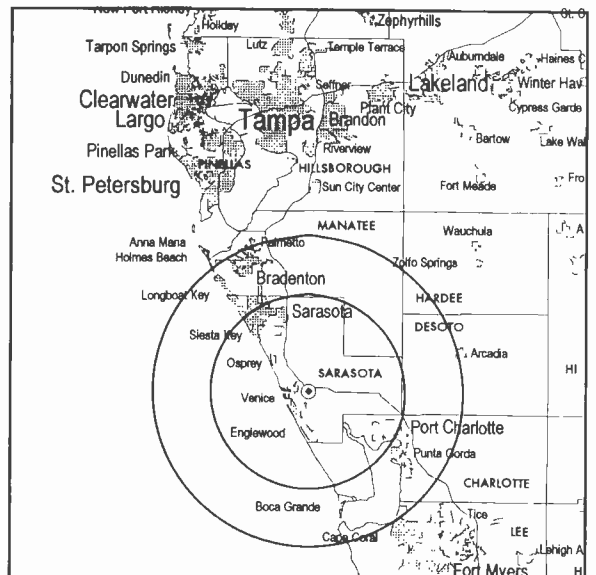
WCTQ 92.1 6/295



WISP 98.7 3/328



WSRZ 106.3 3/260
WSRZ CP 106.5 25/260



WYNF 107.9 46/515

SEATTLE - TACOMA

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KLSY West Tiger Mountain master antenna, 4 mi. SE of Issaquah, S of I-90 (El. 2950') City of License: Bellevue, WA	L	92.5	C	58.00	Yes	2343	714	235	47 30 14	121 58 29
KUBE Cougar Mountain antenna farm, 6 mi. SSE of downtown Bellevue, S of I-90 City of License: Seattle, WA	L	93.3	C	100.00	No	1290	393	303	47 32 39	122 06 29
KMPS West Tiger Mountain master antenna City of License: Seattle, WA	L	94.1	C	58.00	Yes	2343	714	235	47 30 14	121 58 29
KJR Cougar Mountain antenna farm City of License: Seattle, WA	L	95.7	C	100.00	No	1180	360	205	47 32 41	122 06 32
KYCW Cougar Mountain antenna farm City of License: Seattle, WA	L	96.5	C	100.00	No	1223	373	248	47 32 39	122 06 32
KBSG West Tiger Mountain City of License: Tacoma, WA	L	97.3	C	55.00	No	2393	729	235	47 30 14	121 58 29
KING West Tiger Mountain master antenna City of License: Seattle, WA	L	98.1	C	58.00	Yes	2343	714	235	47 30 14	121 58 29
KWJZ Cougar Mountain antenna farm City of License: Seattle, WA	L	98.9	C	100.00	No	1110	338	140	47 32 41	122 06 28
KISW On tower with KJR 95.7, Cougar Mountain antenna farm City of License: Seattle, WA	L	99.9	C	100.00	No	1148	350	205	47 32 41	122 06 32
KIRO Ch. 7 tower, Queen Anne Hill antenna farm, NW of downtown Seattle City of License: Seattle, WA Note:	L	100.7	C1	100.00	No	736	223	613	47 38 01	122 21 20
KIRO CP West Tiger Mountain master antenna City of License: Seattle, WA	C	100.7	C	58.00	Yes	2343	714	235	47 30 14	121 58 29
KPLZ Cougar Mountain antenna farm City of License: Seattle, WA	L	101.5	C	100.00	No	1200	366	215	47 32 42	122 06 29
KZOK Cougar Mountain antenna farm City of License: Seattle, WA	L	102.5	C	100.00	No	1194	364	300	47 32 35	122 06 25
KZOK CP West Tiger Mountain master antenna City of License: Seattle, WA	C	102.5	C	58.00	Yes	2343	714	235	47 30 14	121 58 29

SEATTLE - TACOMA

KMTT	L	103.7	C	58.00	Yes	2343	714	235	47 30 14	121 58 29
West Tiger Mountain master antenna										
City of License: Tacoma, WA										
KCMS	L	105.3	C1	115.00	No	722	220	427	47 46 06	122 21 07
KCMS-AM tower, Kings Garden, 19303 Fremont Avenue N, Richmond Highlands										
City of License: Edmonds, WA										
KBKS	L	106.1	C	58.00	Yes	2343	714	235	47 30 14	121 58 29
West Tiger Mountain master antenna										
City of License: Tacoma, WA										
KRWM	L	106.9	C1	100.00	Yes	819	250	639	47 36 57	122 18 26
Ch. 22 tower, Madison at 18th, Capitol Hill antenna farm, E of downtown Seattle										
City of License: Bremerton, WA										
KNDD	L	107.7	C	100.00	No	1194	364	300	47 32 35	122 06 25
On tower with KZOK 102.5, Cougar Mountain antenna farm										
City of License: Seattle, WA										
KNDD CP	C	107.7	C	58.00	Yes	2343	714	235	47 30 14	121 58 29
West Tiger Mountain master antenna										
City of License: Seattle, WA										

Market overview/update: The major development since our last edition is the continuing migration of FMs to the multi-station tower on West Tiger Mountain. Although the Cougar antenna farm is a very good site for coverage of the entire area from Everett to Tacoma, it has been the subject of some controversy due to homeowner complaints about possible adverse effects of electromagnetic radiation (RF). West Tiger is well away from any population concentrations, and has thus far remained clear of the RF controversy. At an elevation of almost 3000', West Tiger is line-of-sight to a high percentage of the area, though at some sacrifice in ERP.

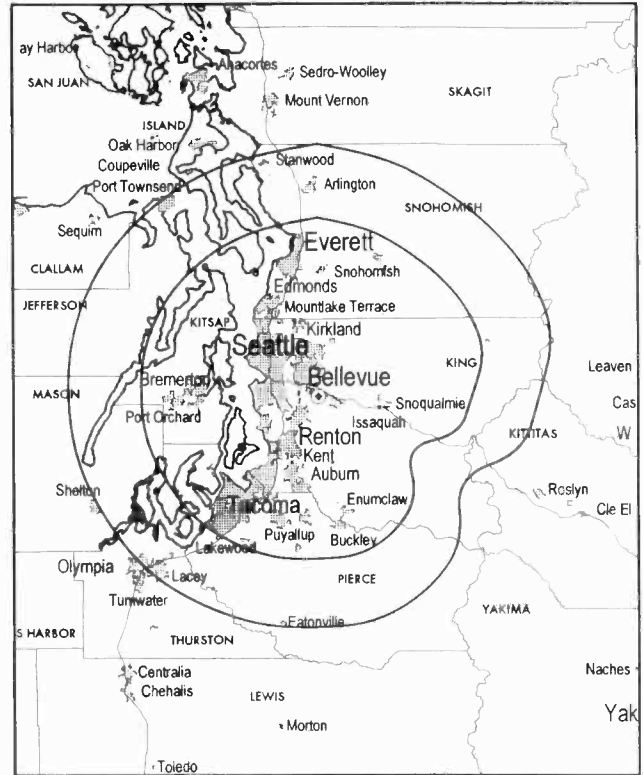
There are two FM antennas on the West Tiger tower. The higher of the two is a non-directional antenna for KBSG, operating with 55-kw at 2393' AAT. The antenna immediately below it is a directional multi-station antenna currently carrying five stations (KLSY, KMPS, KING, KMTT and KCIN). Each of these stations runs 58-kw at 2343' AAT. Three other stations (KIRO, KZOK and KNDD) hold CP's to go on the master antenna, all at the same 58-kw power level. The directional pull-ins on the multi-station antenna is in the direction of the Cascade Mountains - generally a sparsely-populated area. KLSY and KMPS moved to West Tiger from Cougar. KMTT moved from Three Sisters Mountain, southeast of Tacoma. KING moved from the 570' Ch. 5 tower on Queen Anne Hill just north of downtown Seattle. KCIN moved from a 455' tower on a hill just northeast of downtown Tacoma. KBSG had just gone on the new tower as our last edition was published, but was operating with only 20-kw.

Two of Seattle's commercial FMs operate from other sites other than Cougar or West Tiger. KIRO is still on Queen Anne Hill, on the Ch. 7 tower. KRWM is the only commercial station operating from one of the three self-supporting towers in the Capitol Hill antenna farm just east of downtown Seattle.

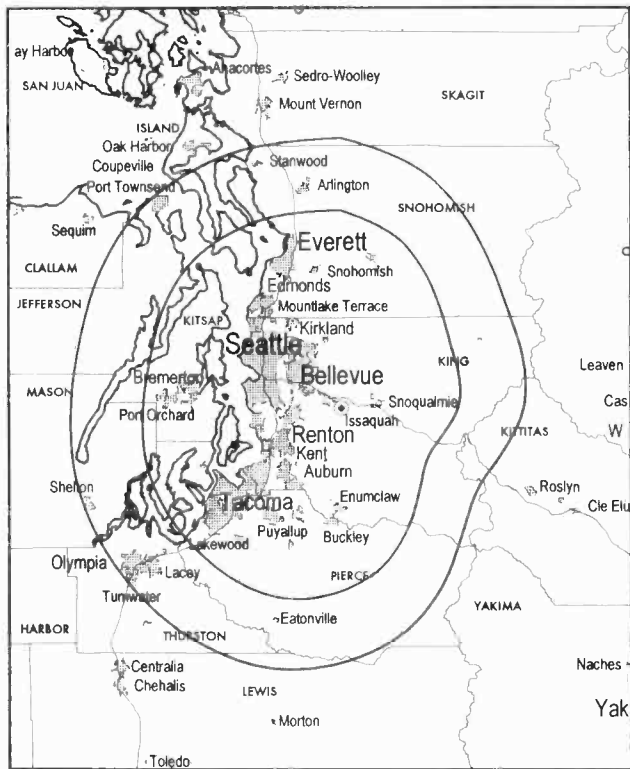
SEATTLE - TACOMA



ARBITRON METRO AREA



KUBE 93.3 100/1290



WEST TIGER MOUNTAIN MASTER ANTENNA

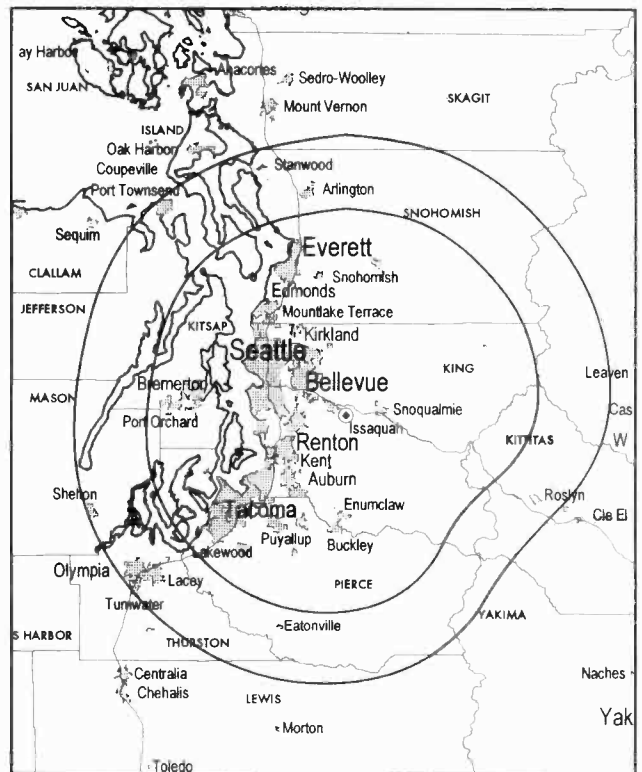
KLSY	92.5	58/2343
KMPS	94.1	58/2343
KING	98.1	58/2343
KMTT	103.7	58/2343
KBKS	106.1	58/2343

Note: KIRO, KZOK and KNDO hold CPs to move to this antenna

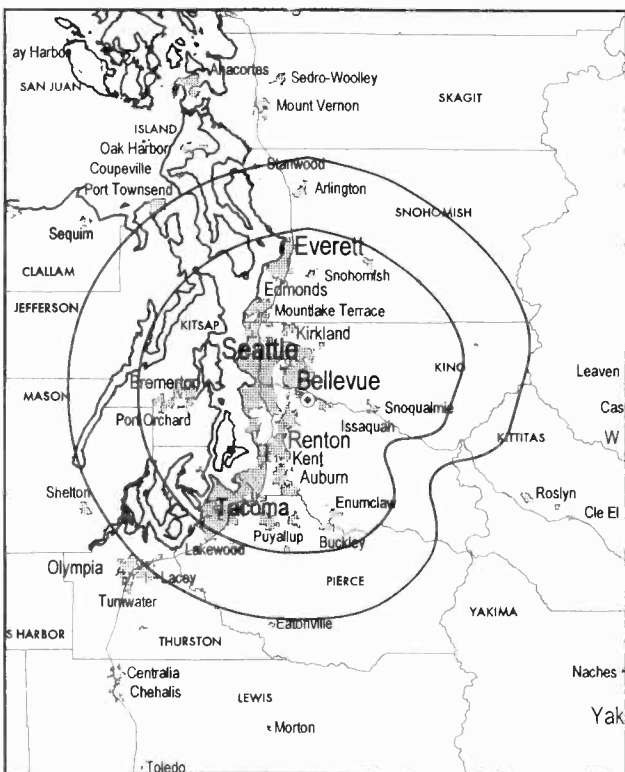
SEATTLE - TACOMA



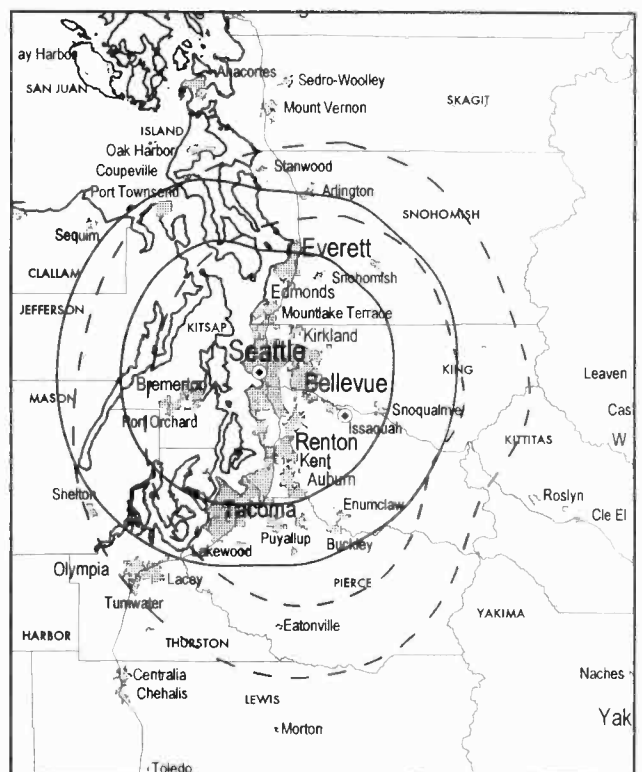
KJR	95.7	100/1180
KYCW	96.5	100/1223
KPLZ	101.5	100/1200



KBSG	97.3	55/2393
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KWJZ	98.9	100/1110
KISW	99.9	100/1148

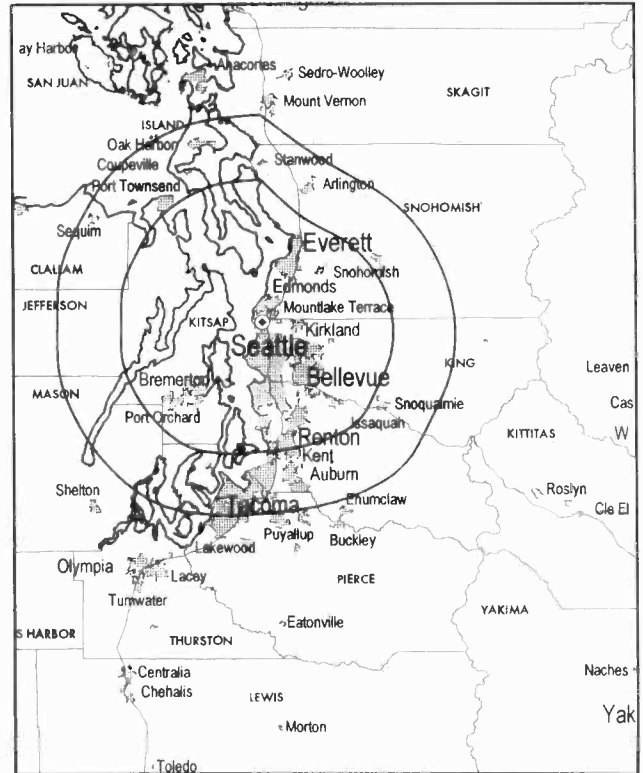


KIRO	100.7	100/736
KIRO CP	100.7	58/2343

SEATTLE - TACOMA



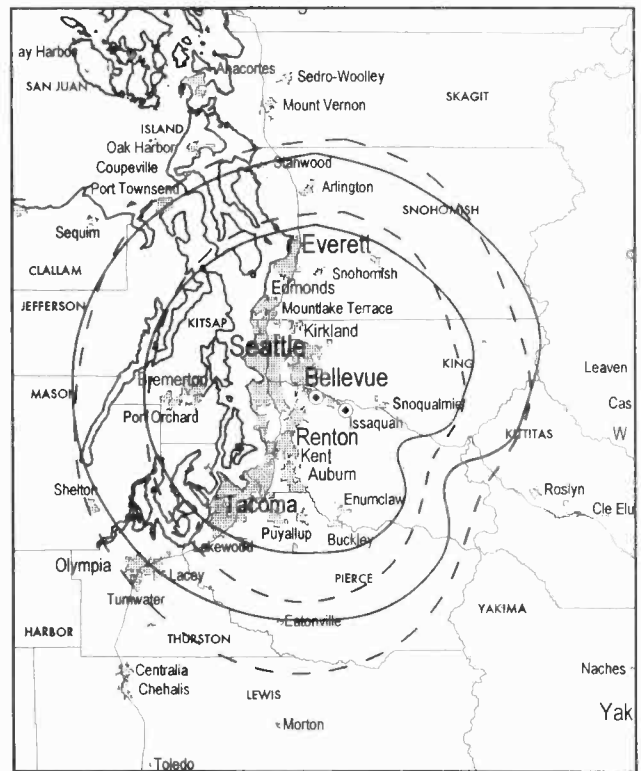
KZOK 102.5 100/1194
 KZOK CP 102.5 58/2343



KCMS 105.3 115/722



KRWM 106.9 100/819



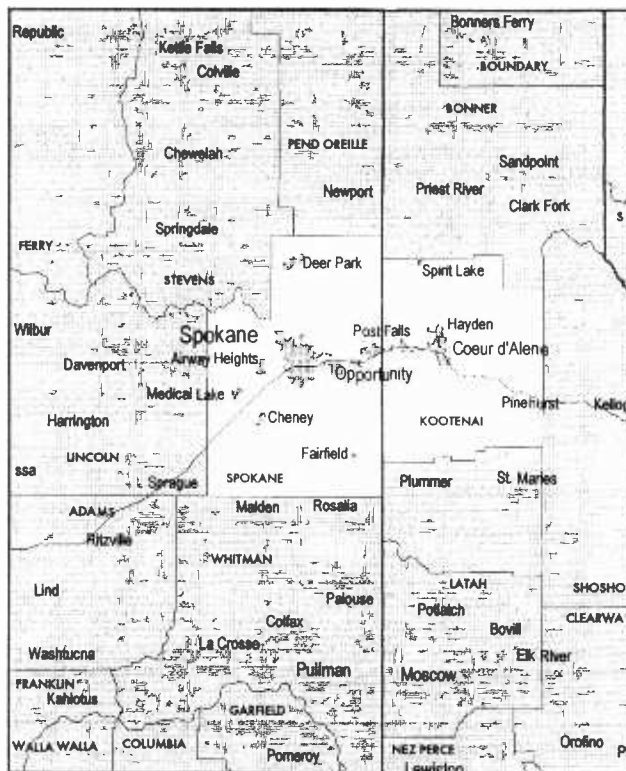
KNDD 107.7 100/1194
 KNDD CP 107.7 58/2343

SPOKANE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KZZU Ch. 2 tower, Krell Hill antenna farm, 7 mi. SE of downtown Spokane City of License: Spokane, WA	L	92.9	C	85.00	No	2080	634	969	47 35 42	117 17 53
KDRK Mica Peak, 8 mi. SE of Opportunity, WA, 2 mi. W of Idaho border City of License: Spokane, WA	L	93.7	C	56.00	No	2380	725	100	47 34 13	117 05 00
KHTQ SW peak, Blossom Mountain (El. 4362') 3.9 mi. WSW of Post Falls, ID City of License: Hayden, ID	L	94.5	C	100.00	Yes	1883	574	200	47 39 34	116 57 48
KNFR Adjacent to KDRK 93.7, Mica Peak City of License: Opportunity, WA	L	96.1	C	56.00	No	2380	725	70	47 34 11	117 05 00
KISC Ch. 6 tower, Krell Hill antenna farm City of License: Spokane, WA	L	98.1	C	94.00	No	2031	619	904	47 34 53	117 17 47
KKZX Krell Hill antenna farm City of License: Spokane, WA	L	98.9	C	100.00	No	1614	492	353	47 35 35	117 17 46
KXLY With Ch. 4, Mt. Spokane (El. 5851'), 23 mi NE of Spokane City of License: Spokane, WA	L	99.9	C	37.00	No	3000	914	153	47 55 18	117 06 48
KEYF On Ch. 2 tower with KZZU 92.9, Krell Hill antenna farm City of License: Cheney, WA	L	101.1	C	100.00	No	1965	599	969	47 35 42	117 17 53
KTSL Needham Hill, 1 mi. E of Four Lakes, WA, near I-90/WA 904 interchange City of License: Medical Lake, WA	L	101.9	C3	12.00	No	476	145	98	47 34 00	117 34 06
KCDA NE peak, Blossom Mountain (El. 4408'), 3.9 mi. S of Post Falls, ID City of License: Coeur d'Alene, ID	L	103.1	C2	2.35	No	1886	575	128	47 39 35	116 57 12
KNJY 0.75 mi. N of intersection of Dowdy and Euclid Roads, NW of Spokane City of License: Spokane, WA	L	103.9	A	5.50	No	303	91	262	47 41 52	117 31 07
KNJY CP Atop Antoine Peak, 2.8 mi. NE of Trentwood, due N of Opportunity City of License: Spokane, WA	C	103.9	C2	7.70	No	1214	370	199	47 43 33	117 10 06
KAEP Ch. 28 tower, Krell Hill antenna farm City of License: Spokane, WA	L	105.7	C	100.00	No	1910	582	823	47 34 44	117 17 46

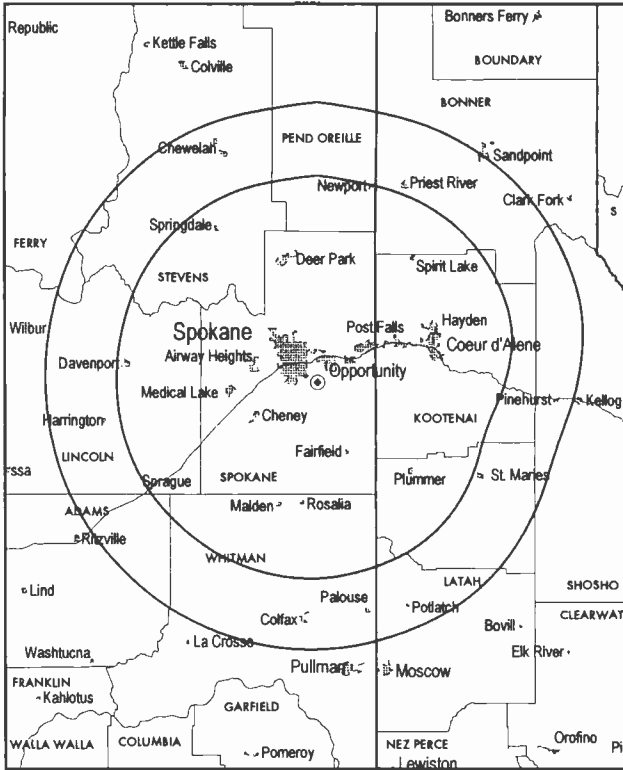
SPOKANE

Market overview/update: Five Class C FM's operate from tall towers in the television antenna farm on Krell Hill south of Spokane. KZZU, KISC, KKZX and KEZE were all in the farm when our first edition was published. Since then, KEYF has moved to Krell from its old 500' tower on a butte west of Spokane. KDRK and KNFR operate from Mica Peak, higher and closer to Coeur d'Alene. KXLY is the lone commercial FM transmitting from the Ch. 4 site atop Mt. Spokane (El. 5851) 23 miles northeast of Spokane. KNJY is a Class A operating from a hill just northwest of Spokane. It holds a CP to upgrade to a far more competitive site atop Antoine Peak north of Opportunity and upgrade to Class C2. Since our last edition, KCDA has upgraded from Class A to Class C2, and from a hill west of Coeur d'Alene to 4400' Blossom Mountain south of Post Falls. KHTQ is a new Class C move-in from Hayden, ID. It is located on a slightly lower peak of Blossom Mountain. KTSL is a new C3 drop-in licensed to Medical Lake, and located on a hill east of I-90 and west of Spokane.

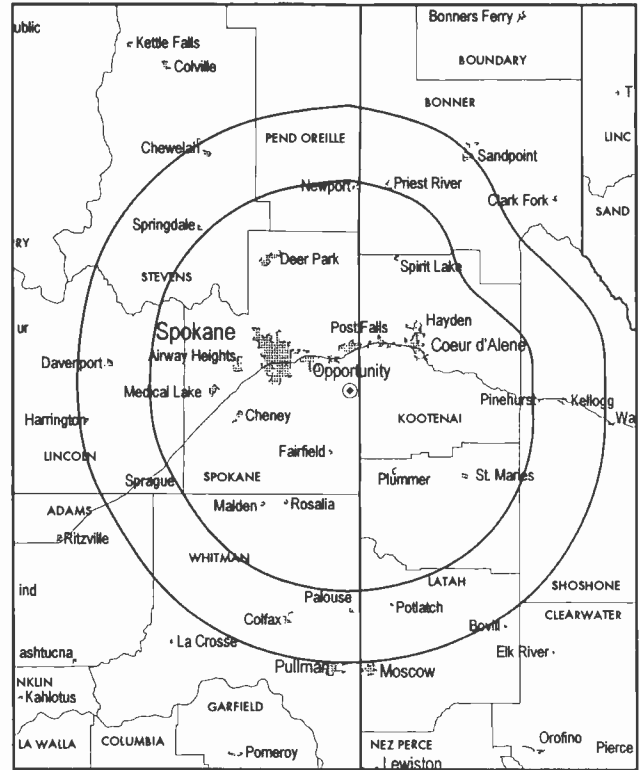


ARBITRON METRO AREA

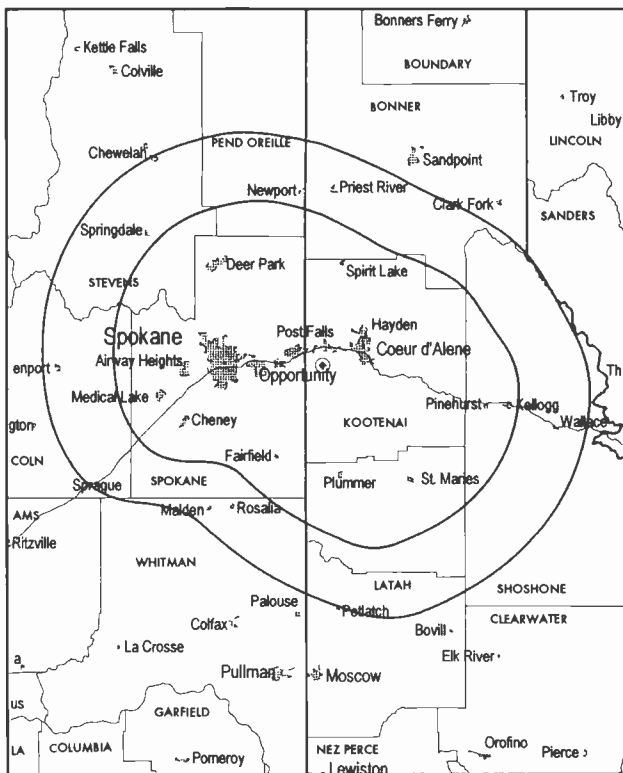
SPOKANE



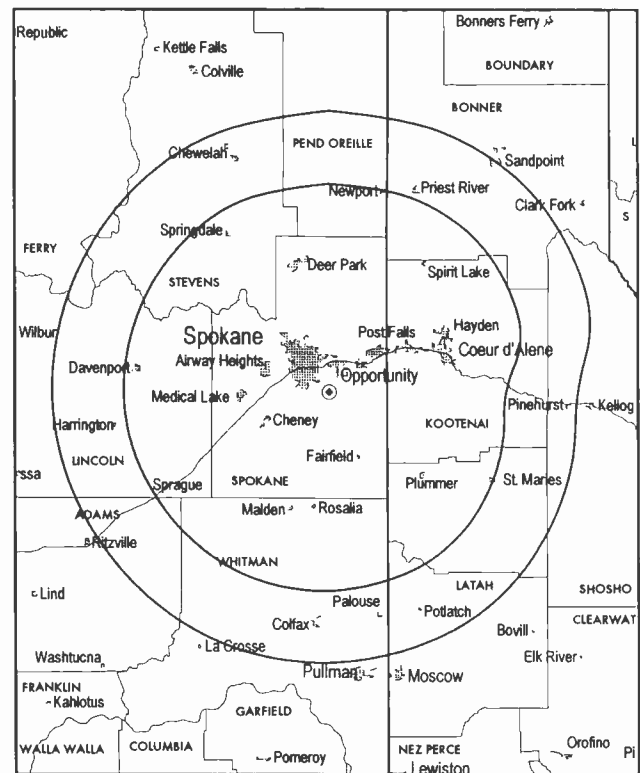
KZZU 92.9 85/2080



KDRK 93.7 56/2380
KNFR 96.1 56/2380

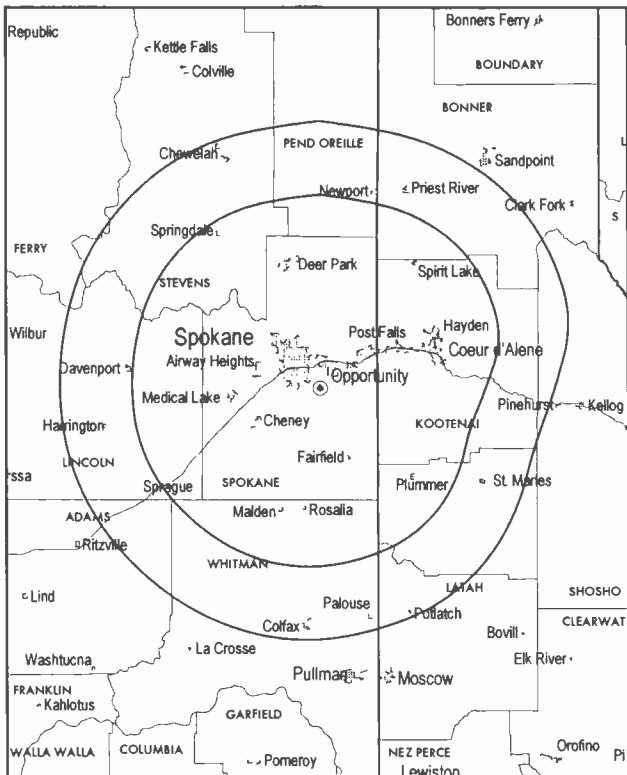


KHTQ 94.5 100/1883

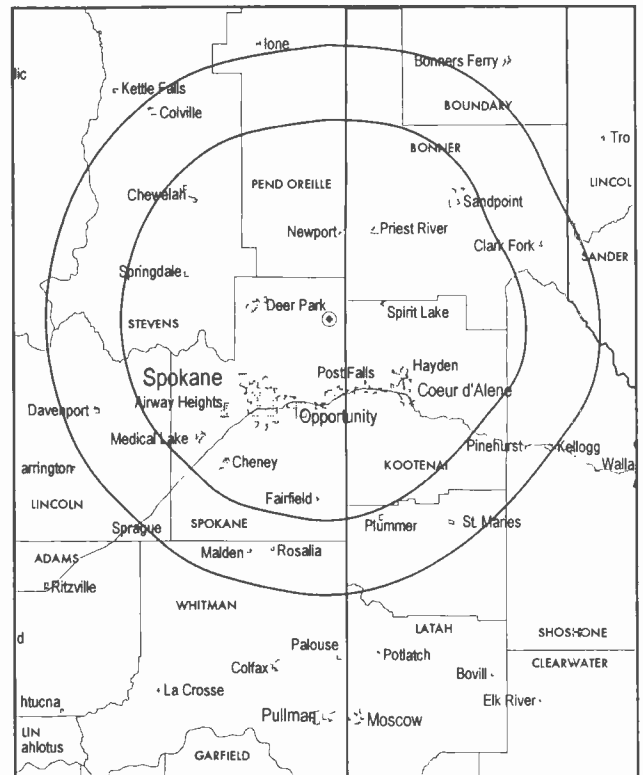


KISC 98.1 94/2031

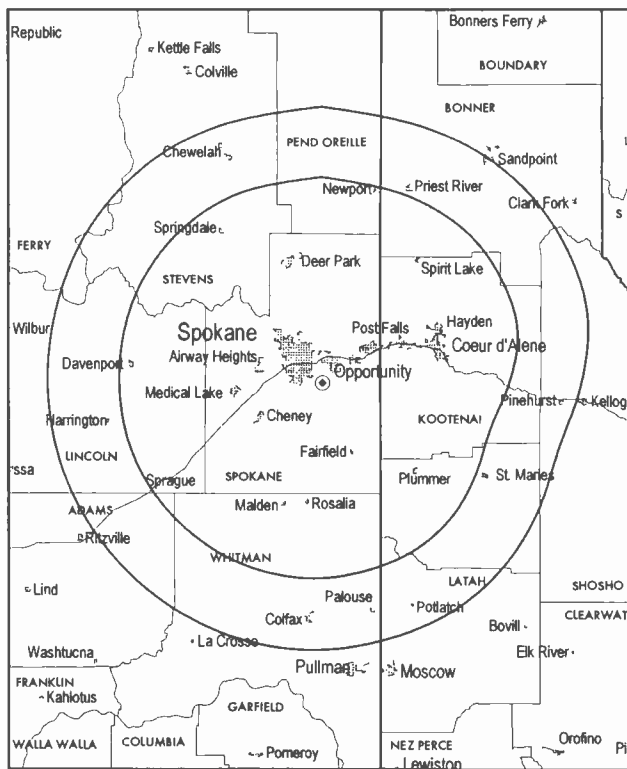
SPOKANE



KKZX 98.9 100/1614



KXLY 99.9 37/3000

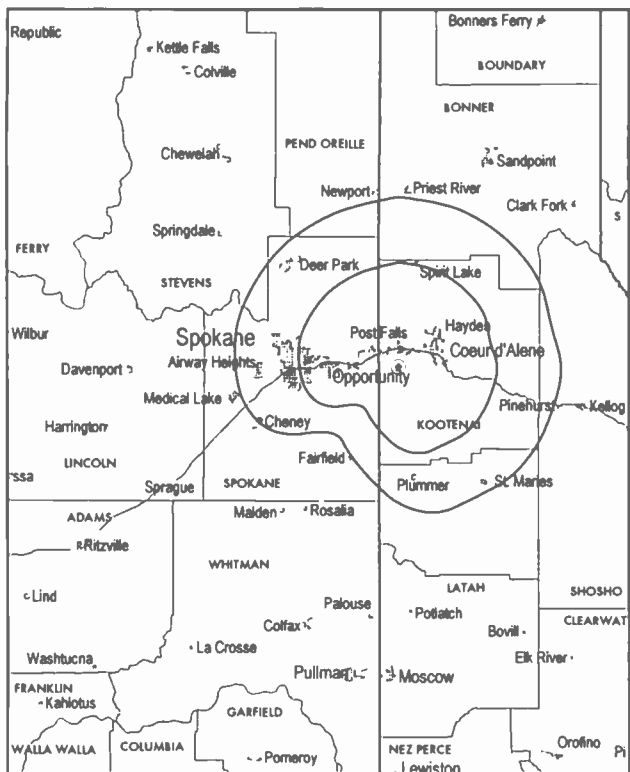


KEYF 101.1 100/1965

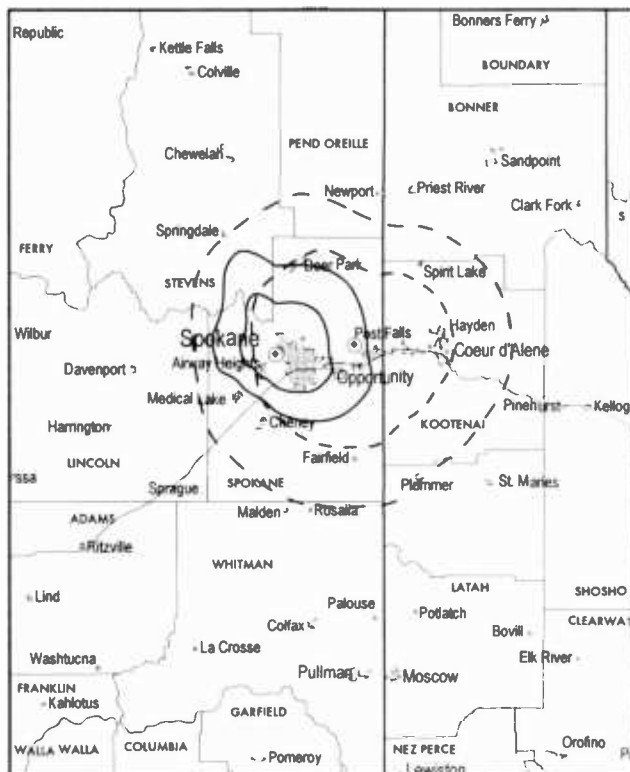


KTSL 101.9 12/476

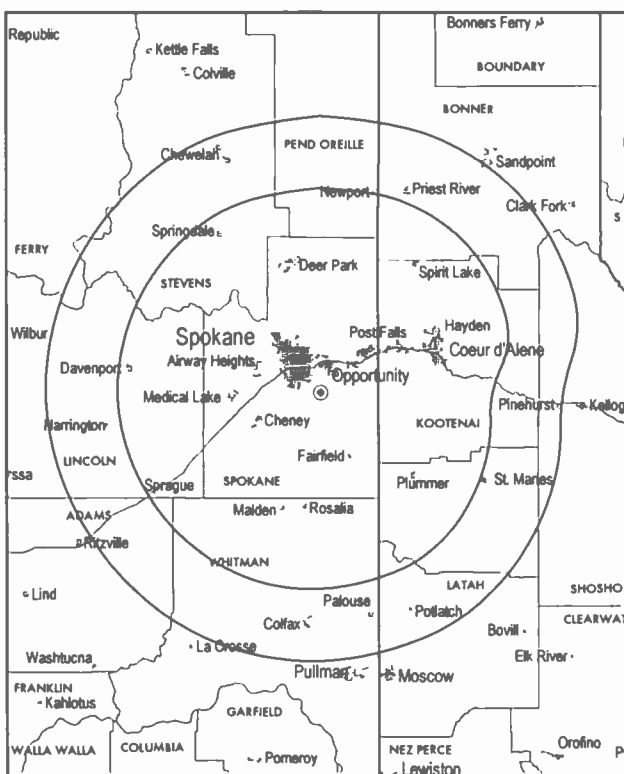
SPOKANE



KCDA 103.1 2.35/1886



KNJY 103.9 5.5/303
KNJY CP 103.9 7.7/1214

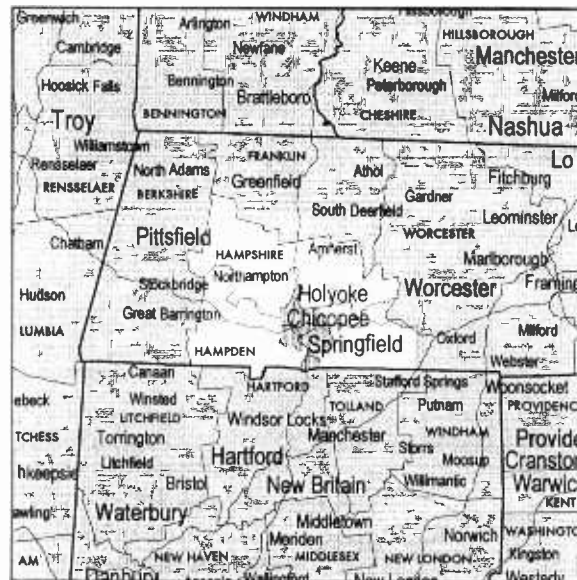


KAEP 105.7 100/1910

SPRINGFIELD, MA

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WHYN Atop Mount Tom, W of Holyoke City of License: Springfield, MA	L	93.1	B	8.90	No	1000	305	156	42 14 28	72 38 56
WMAS WMAS-AM 1450 tower, 101 West St. near Connecticut River, downtown Springfield City of License: Springfield, MA	L	94.7	B	50.00	No	195	59	353	42 06 32	72 36 44
WPKX Ch. 22 tower, with WAQY 102.1, Provin Mountain, off West Street, Agawam City of License: Enfield, CT	L	97.9	A	2.20	No	528	161	530	42 05 05	72 42 14
WHMP Horse Mountain, off North Farms Rd., 4 mi NW of Northampton center City of License: Northampton, MA	L	99.3	A	6.00	No	325	99	254	42 22 29	72 40 24
WRNX Atop Bare Mountain, off MA 116, 3 mi. NE of South Hadley, 5 mi. S of Amherst City of License: Amherst, MA	L	100.9	A	1.35	Yes	692	211	59	42 18 14	72 31 59
WAQY Ch. 22 tower Provin Mtn., off West St., Agawam City of License: Springfield, Ma	L	102.1	B	17.00	No	780	238	530	42 05 00	72 42 16

Market overview/update: A mere handful of signals for a market of this size. WHYN, atop Mt. Tom west of Holyoke, has wide-area coverage centered over the population of west-central Massachusetts. WAQY, on the Ch. 22 tower on Provin Mountain southwest of Springfield, also has very good wide-area coverage. With roughly half of its coverage over Connecticut, its city-grade contour reaches Hartford. WMAS is on the WMAS-AM tower in downtown Springfield, with resulting coverage following the north-south orientation of the Connecticut River Valley. WHMP, a Class A, has good coverage of Holyoke, Northampton and Amherst. New since our last edition is WPKX, a Class A licensed to Enfield, CT. It has been remarkably successful from its location on the Ch. 22 tower. The other new entrant is WRNX Amherst, an A located on a ridge east of Northampton.



ARBITRON METRO AREA

SPRINGFIELD, MA



WHYN 93.1 8.9/1000



WMAS 94.7 50/195



WPKX 97.9 2.2/528



WHMP 99.3 6/325



WRNX 100.9 1.35/692



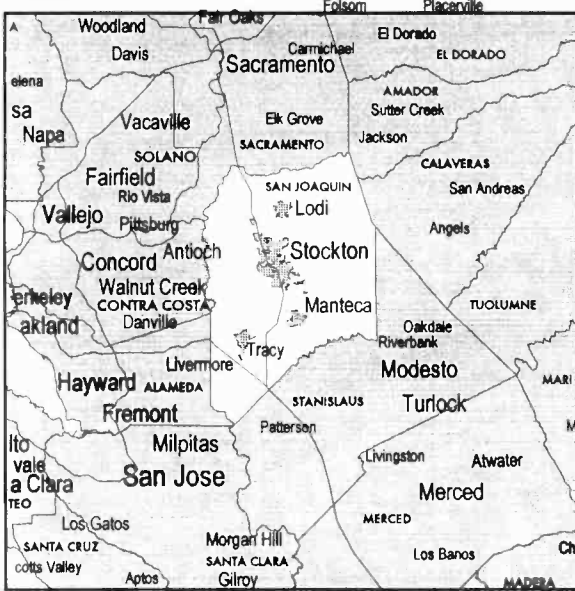
WAQY 102.1 17/780

STOCKTON

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KOSO Atop Mt. Oso, 13.5 mi. WNW of Patterson City of License: Patterson, CA	L	93.1	B	2.95	Yes	1790	546	125	37 30 41	121 22 22
KDJK 3.5 mi. SSW of intersection of CA 120 and Greenspring Rd., 12.5 mi. SW of Jamestown, Tuolumne County City of License: Oakdale, CA	L	95.1	B	29.50	No	633	193	403	37 47 34	120 31 08
KVFX 8811 Brady Rd., near Ripon, CA City of License: Manteca, CA	L	96.7	A	3.00	No	328	100	348	37 43 45	121 11 49
KWIN 10464 N. CA 99, Stockton City of License: Lodi, CA	L	97.7	A	3.00	No	300	91	323	38 03 05	121 15 05
KJOY Hammer Lane, 0.5 mi. W of CA 99, Stockton City of License: Stockton, CA	L	99.3	A	2.35	No	330	101	353	38 01 21	121 16 03
KQOD On tower with KJAX 99.3 City of License: Stockton, CA	L	100.1	A	6.00	No	285	87	353	38 01 21	121 16 03
KMIX In the hills 8.4 mi. S of Tracy, near the I-5/CA 132 interchange City of License: Tracy, CA	L	100.9	A	6.00	No	328	100	374	37 37 32	121 23 58
KATM In the hills SW of I-5, 5.5 mi. S of Vernalis City of License: Modesto, CA	L	103.3	B	50.00	No	500	152	273	37 34 30	121 21 13
KHOP Black Butte, 6 mi SW of Tracy, SW of I-5 City of License: Modesto, CA	L	104.1	B	50.00	No	500	152	340	37 39 10	121 28 38
KSTN Black Hills, SE of Mt. Diablo, near Blackhawk, 10 mi. N of Livermore City of License: Stockton, CA	L	107.3	B+	8.10	No	1610	491	99	37 49 17	121 46 49

Market overview/update: Quite unlike the situation in television, there is very little overlap between the Stockton and Sacramento radio markets. None of the FMs from Sacramento places a 1-mil signal over Stockton. Among Sacramento AMs only KHTK (formerly KRAK-AM) city-grades Stockton day and night. San Francisco isn't a major factor, either. Terrain and distance hinder reception of Bay Area FMs. Several San Francisco AM signals are audible in Stockton, although only KNBR and KCBS place 5-mil or more over Stockton day and night. On the other hand, several Modesto FM's throw more-than-competitive signals over Stockton, especially KATM, KHOP and KOSO. These three signals were all in the top five in the Fall, 1995 Stockton Arbitron, and KATM was by far and away number one. Only five FMs are "home" to this market, KJOY, KQOD, KMIX, KWIN and KSTN. All but KSTN are Class A stations. KSTN is grandfathered at a power level above current Class B limits. Through its theoretical city-grade contour falls short of Stockton, its height yields more coverage than a standard FCC map depicts. KSTN would city-grade Stockton using the Longley-Rice model, or Tech Note 101.

STOCKTON



ARBITRON METRO AREA



KOSO 93.1 2.95/1790



KDJK 95.1 29.5/633



KVFX 96.7 3/328



KWIN 97.7 3/300



KJOY 99.3 2.35/330

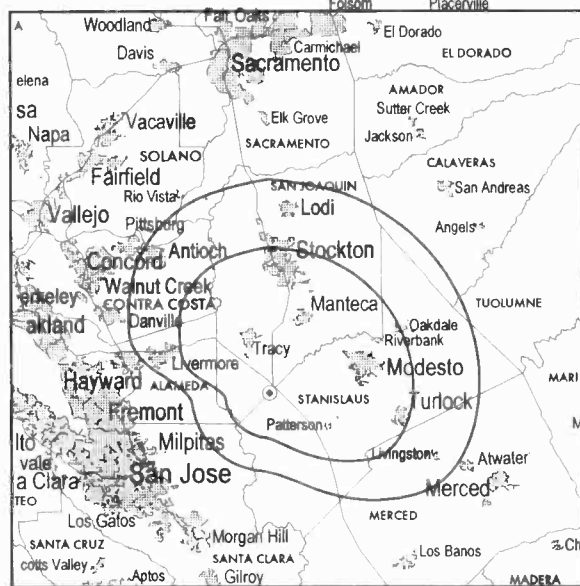
STOCKTON



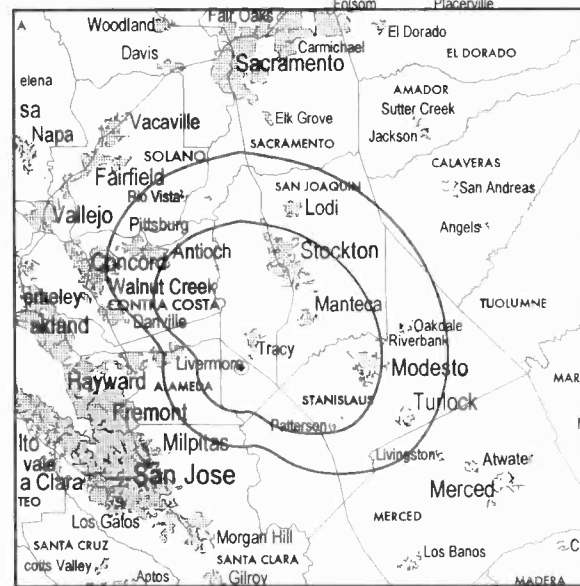
KQOD 100.1 6/285



KMIX 100.9 6/328



KATM 103.3 50/500



KHOP 104.1 50/500



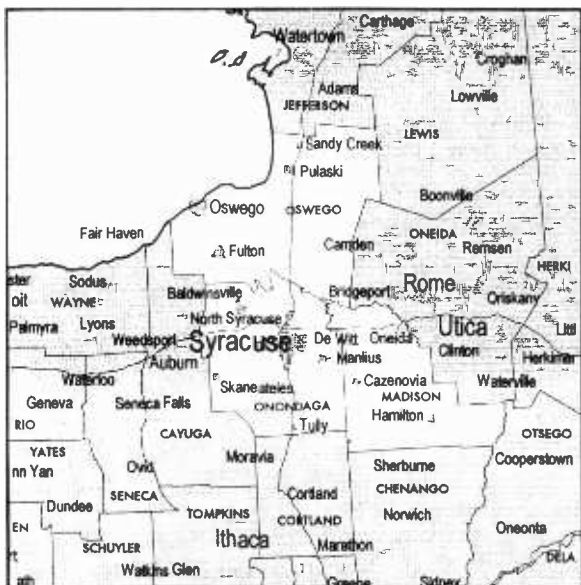
KSTN 107.3 8.1/1610

SYRACUSE

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WSEN Smokey Hollow Rd., N of Baldwinsville City of License: Baldwinsville, NY	L	92.1	B1	25.00	No	300	91	337	43 10 46	76 20 19
WNTQ Near Ch. 9 tower, Sevier Hill, 3.5 mi. N of Pompey City of License: Syracuse, NY	L	93.1	B+	97.00	No	660	201	248	42 56 47	76 01 32
WYYY Adjacent to Ch. 3 tower, Sentinel Heights Rd., E of I-81, S of Syracuse City of License: Syracuse, NY	L	94.5	B+	100.00	No	650	198	242	42 56 40	76 07 08
WAQX Old Smokehouse Rd., near I-481, De Witt City of License: Manlius, NY	L	95.7	B1	25.00	No	298	91	299	43 00 25	76 05 38
WTKW NY 31, 0.5 mil E of the center of Bridgeport City of License: Bridgeport, NY	L	99.5	A	5.70	No	338	103	384	43 09 23	75 57 27
WKRL 7900 Davis Road, North Syracuse City of License: North Syracuse, NY	L	100.9	A	6.00	No	165	50	223	43 09 06	76 07 58
WSCP Vorea Road, NE of Orwell, 9 mi. NE of Pulaski City of License: Pulaski, NY	L	101.7	A	2.50	No	365	111	200	43 36 32	75 58 23
WMHR 4044 Maykes Rd., SW of Onondaga Hill City of License: Syracuse, NY	L	102.9	B	20.00	No	782	238	352	42 58 00	76 12 01
WBBS Lamson Rd., 0.3 mi. E of Mud Lake Rd., Lysander Twp., NW of Baldwinsville City of License: Fulton, NY	L	104.7	B	50.00	No	492	150	540	43 12 53	76 23 44
WVOA 3 mi. NE of DeRuyter City of License: DeRuyter, NY	L	105.1	B	42.00	No	541	165	154	42 46 58	75 50 28
WWHT Adjacent to Ch. 5 tower, Sentinel Heights Rd., E of I-81, S of Syracuse City of License: Syracuse, NY	L	107.9	B	50.00	No	500	152	122	42 57 21	70 06 36

Market overview/update: Most of the move-ins possible in this market were already in place when our first edition went to press. Syracuse was an early hotbed of move-in activity, so the bulk of the current signal infrastructure has been in place for some years. In the last five years, WKRL, an A in North Syracuse, has upgraded to 6-kw. WTKW is a new Class A located in Bridgeport, northeast of the city. WVOA in DeRuyter is new to this edition.

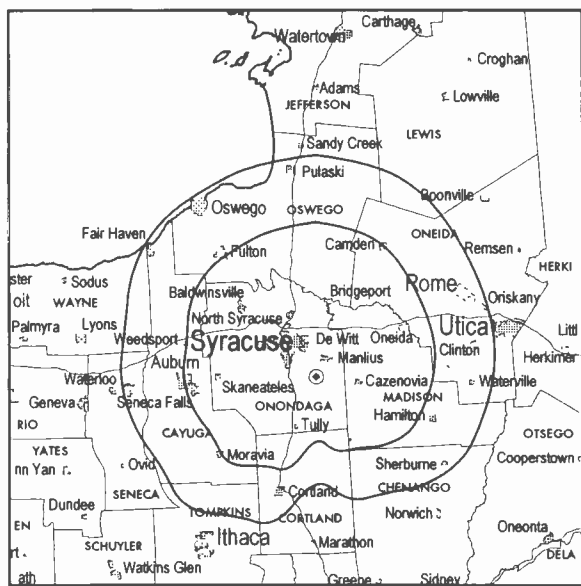
SYRACUSE



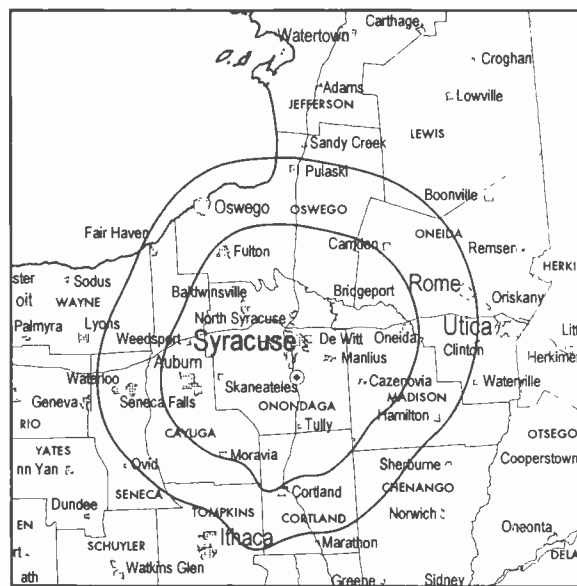
ARBITRON METRO AREA



WSEN 92.1 25/300



WNTQ 93.1 97/660



WYYY 94.5 100/650



WAQX 95.7 25/298



WTKW 99.5 5.7/338

SYRACUSE



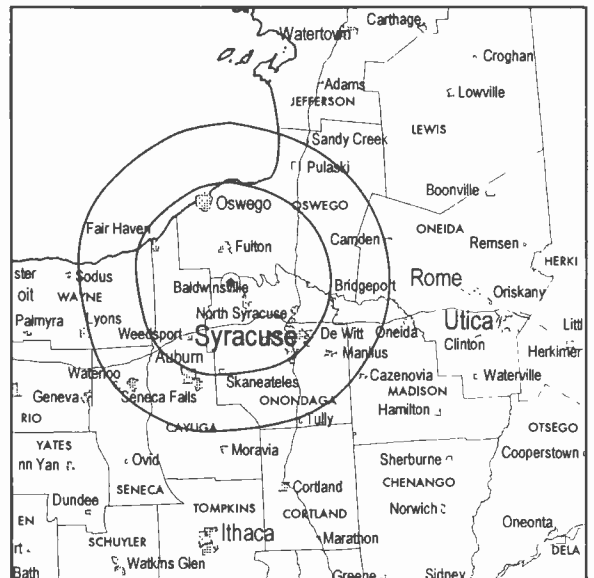
WKRL 100.9 6/165



WSCP 101.7 2.5/365



WMHR 102.9 20/782



WBBS 104.7 50/492



WVOA 105.1 42/541



WWHT 107.9 50/500

TAMPA - ST. PETERSBURG

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WYUU S of Park Blvd. and 126th St., Seminole City of License: Safety Harbor, FL	L	92.5	C2	50.00	No	488	149	500	27 50 33	82 48 52
WFLZ Ch. 8 tower, Boyette Rd., antenna farm, 4 mi. SE of Riverview, 14 mi. SE of Tampa City of License: Tampa, FL	L	93.3	C	100.00	No	1358	414	1574	27 50 32	82 15 46
WSJT 1907 Taylor Rd., Bowling Green, far Southeastern section of Hillsborough County City of License: Lakeland, FL	L	94.1	C	100.00	No	1493	455	1514	27 40 23	82 06 35
WWRM Ch. 13 tower, Boyette Rd., antenna farm, 16 mi. SE of Tampa City of License: Tampa, FL	L	94.9	C	100.00	No	1290	393	1463	27 49 09	82 14 26
WMTX Gandy Blvd., near Derby Lane greyhound track, St. Petersburg City of License: Clearwater, FL	L	95.7	C1	100.00	No	606	185	649	27 52 00	82 37 27
WGUL Near junction of US 98 and US 301, S of Lacoochee, FL City of License: Dade City, FL	L	96.1	A	4.10	Yes	394	120	423	28 27 05	82 11 20
WGUL CP Hickory Hill Rd., 0.5 mi. E of FI 41, 1.3 mi. SE of Spring Lake, FL City of License: Dade City, FL	C	96.1	A	2.75	Yes	486	148	397	28 28 31	82 17 36
WXTB Atlantis Drive, Holiday, FL City of License: Clearwater, FL	L	97.9	C	100.00	No	1345	410	1370	28 10 56	82 46 06
WQYK Atop First Financial Tower, adjacent to WRBQ 104.7, downtown Tampa City of License: St. Petersburg, FL	L	99.5	C1	100.00	No	550	168	589	27 56 50	82 27 35
WUSA 0.2 mi. N of junction of FL 580 and FL 584, Oldsmar City of License: Tampa, FL	L	100.7	C1	100.00	No	600	183	639	28 02 21	82 39 21
WUSA CP Ch. 8 tower, below WFLZ 93.3 and WDUV 103.5 City of License: Tampa, FL	C	100.7	C	100.00	No	1210	369	1574	27 50 32	82 15 46
WHPT NE of junction of FL 70 and FL 675, NE of Verna, 17 mi. ENE of Sarasota City of License: Sarasota, FL	L	102.5	C	100.00	No	1663	508	1667	27 24 30	82 15 00
WDUV Ch. 8 tower, diplexed with WFLZ 93.3 City of License: Bradenton, FL	L	103.5	C	100.00	No	1358	414	1574	27 50 32	82 15 46
WRBQ Atop First Financial Tower, adjacent to WQYK 99.5, downtown Tampa City of License: Tampa, FL	L	104.7	C1	100.00	No	555	171	589	27 56 50	82 27 35

TAMPA - ST. PETERSBURG

WTBT 103 W. Palmetto Street, New Port Richey City of License: New Port Richey, FL	L	105.5	A	6.00	No	255	78	311	28 15 32	82 43 54
WLVU 1473 Springer, Port Richey City of License: Holiday, FL	L	106.3	A	3.30	No	300	91	317	28 16 51	82 42 52
WLVU CP On tower with WXTB (97.9), Holiday	C	97.1	C2	11.5	No	735	224	1370	28 10 56	82 46 06
WCOF San Martin Blvd. at 94th Avenue, S of Gandy Blvd., St. Petersburg City of License: St. Petersburg, FL	L	107.3	C1	100.00	No	620	189	692	27 51 24	82 37 26

Market overview/update: Three major signal changes in the past five years. WDUV Bradenton, formerly a C1 on a 641' tower just north of Bradenton, is now a full Class C on the Ch. 8 tower in the Tampa antenna farm in Riverview, diplexed into the same panel antenna which carries WFLZ and non-commercial WKES. The move gives WDUV coverage at parity with the best signals in the market. WSJT Lakeland has finally completed its move to a new 1500' tower in southeastern Hillsborough County. The new signal, while a bit short of theoretical full-market city-grade coverage, is still competitive. WXTB recently upgraded from Class C1 to full C on a new 1370' tower near the Ch. 10 tower north of Tarpon Springs. The move gives WXTB the market's best coverage of Pasco and Hernando Counties. WISP Holmes Beach, at present an A located just west of Bradenton, has applied to move to the WYUU tower in Seminole as a Class C2 operation. Coverage would be identical to WYUU (See Sarasota for WISP's current coverage). WTBT (formerly WGUL) has upgraded to 6-kw since our last edition. The WGUL calls are now on an A based in Dade City north of Tampa. WUSA, currently located on a 650' tower in Oldsmar, is in the process of moving to the Riverview antenna farm. Editor's note: This market has no "ideal" location for a tall tower antenna farm. It is all but impossible to locate a tall tower in the center of this market's population due to large bodies of water and numerous airport approach restrictions. Also, the FAA has placed height restrictions on towers in Riverview and Tarpon Springs.



ARBITRON METRO AREA

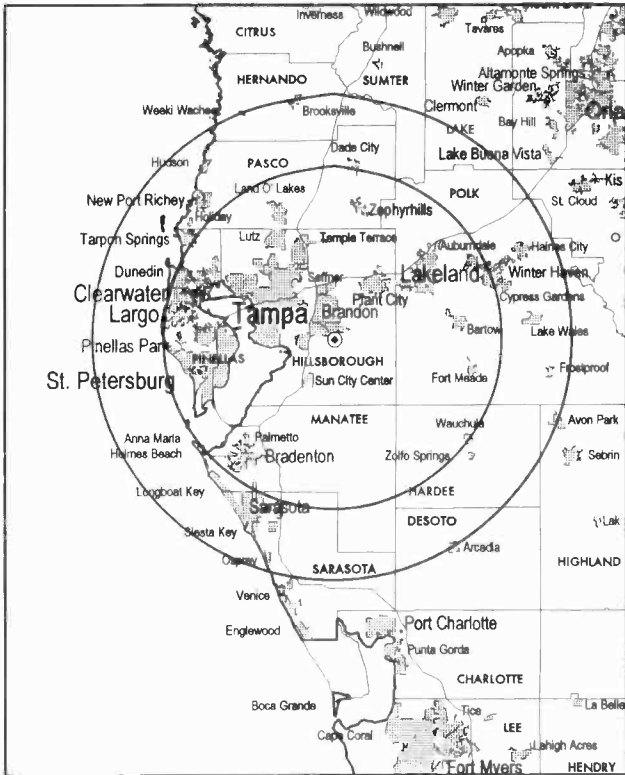


WYUU

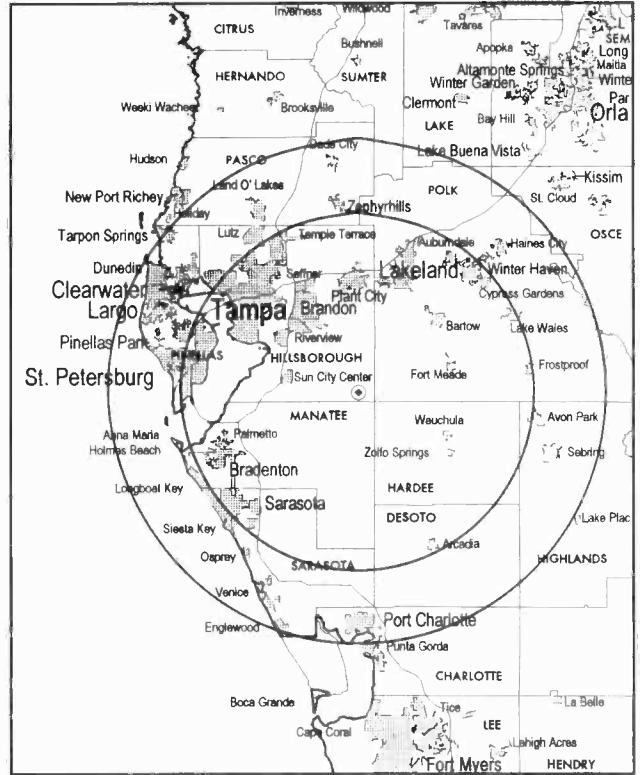
92.5

50/488

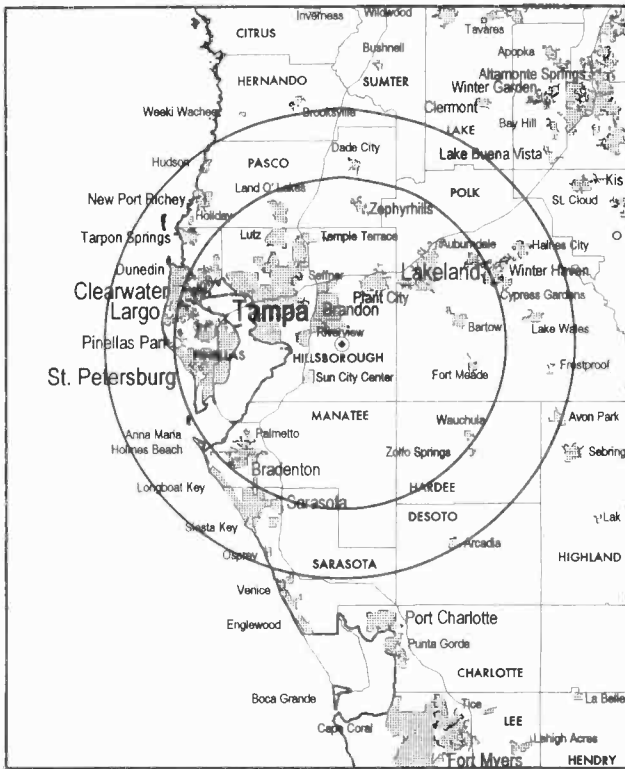
TAMPA - ST. PETERSBURG



WFLZ 93.3 100/1358
 WDUV 103.5 100/1358



WSJT 94.1 100/1493

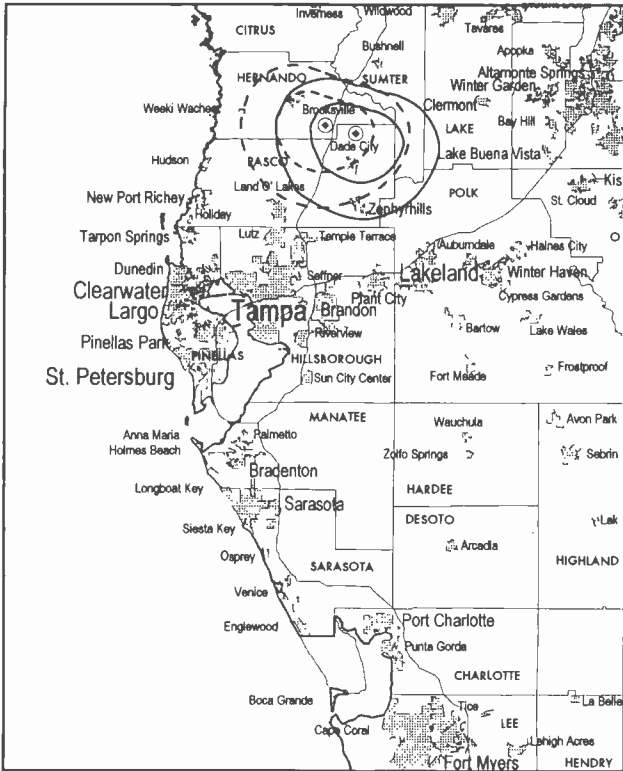


WWRM 94.9 100/1290



WMTX 95.7 100/606

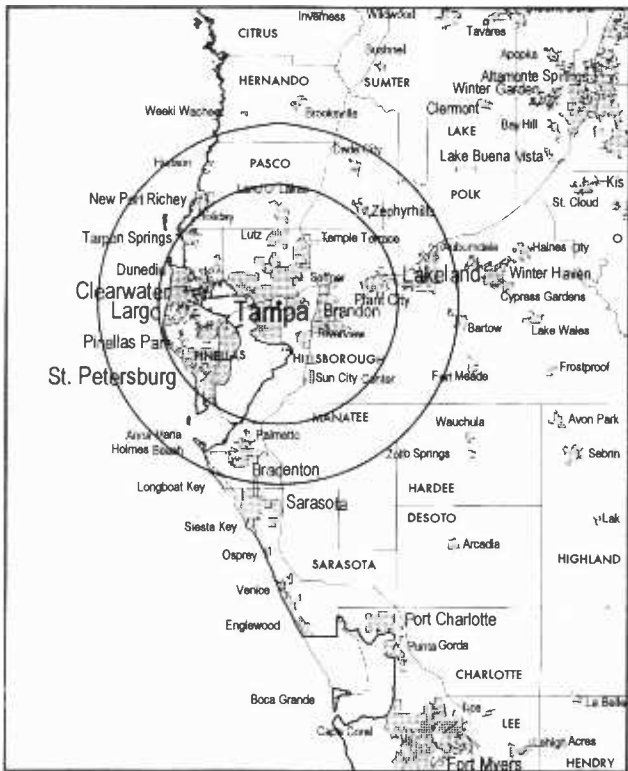
TAMPA - ST. PETERSBURG



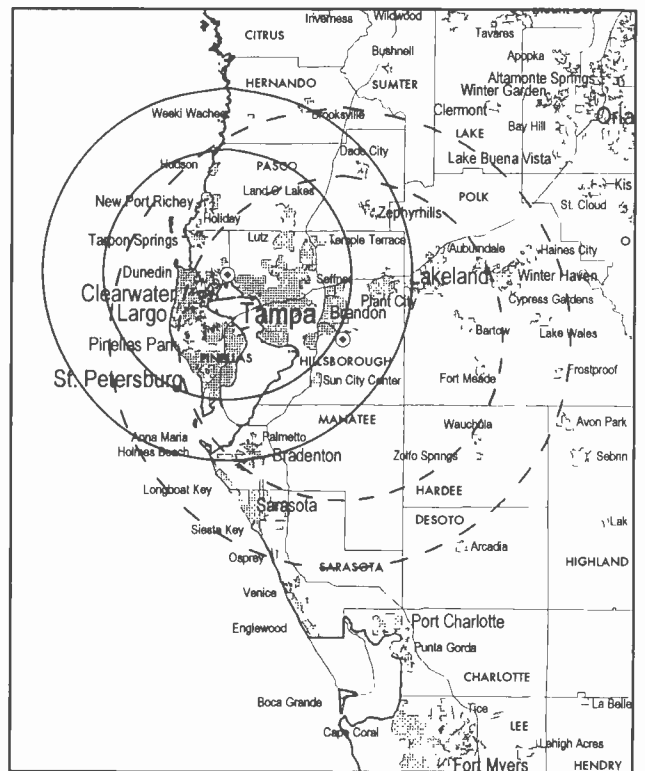
WGUL 96.1 4.1/394
 WGUL CP 96.1 2.75/486



WXTB 97.9 100/1345

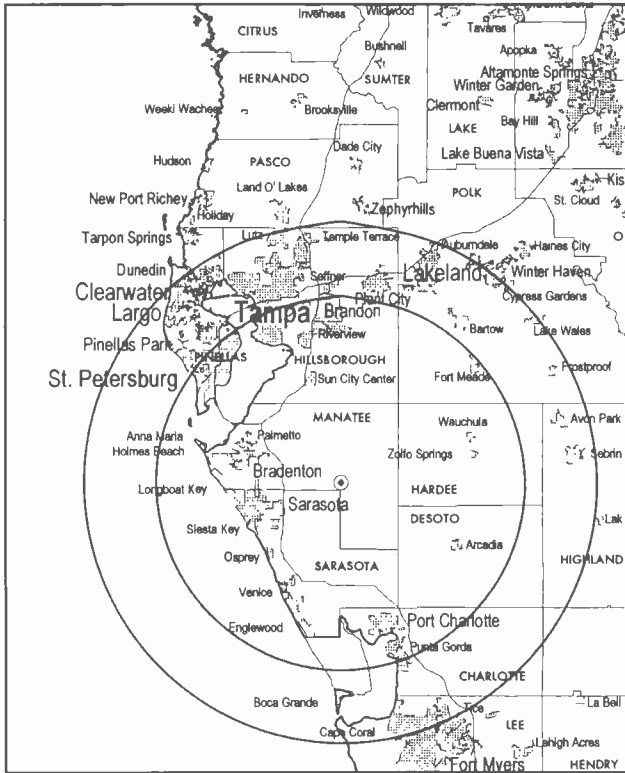


WQYK 99.5 100/550
 WRBQ 104.7 100/555

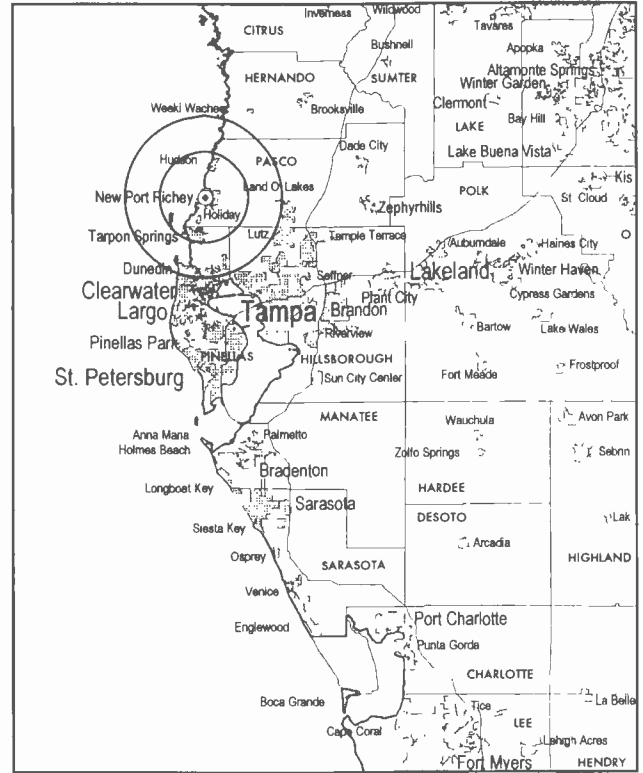


WUSA 100.7 100/600
 WUSA CP 100.7 100/1210

TAMPA - ST. PETERSBURG



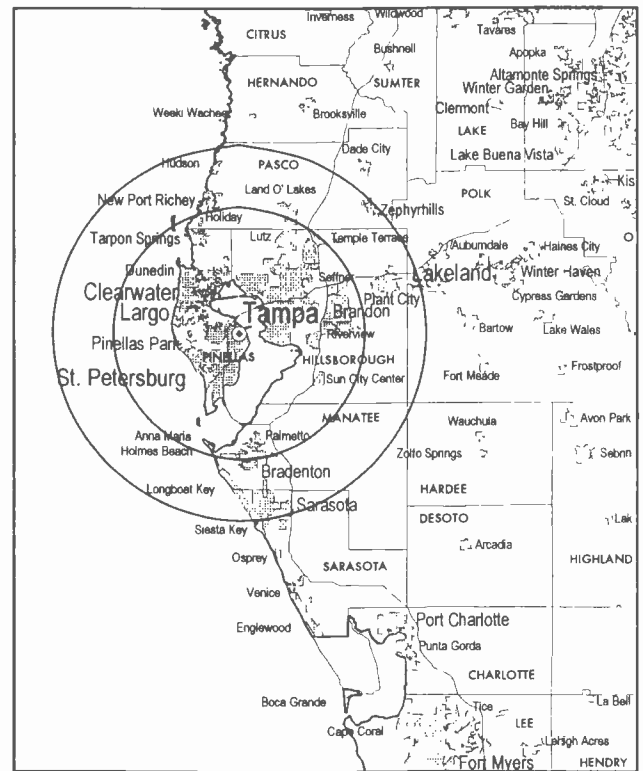
WHPT 102.5 100/1663



WTBT 105.5 6/255



WLUV 106.3 3.3/300
WLUV CP 97.1 11.5/735



WCOF 107.3 100/620

TOLEDO

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WVKS 10300 Neiderhouse Rd., E of I-75/I-475 interchange, SE of Perrysburg City of License: Toledo, OH	L	92.5	B	50.00	No	480	146	499	41 31 55	83 35 37
WRQN OH 582, 0.4 mi. W of Wood County Rd. 25, S of Toledo City of License: Bowling Green, OH	L	93.5	A	4.10	No	397	121	388	41 27 28	83 39 33
WXKR OH 105, 2 mi. NE of Elmore, OH, 17 mi. SE of downtown Toledo City of License: Port Clinton, OH	L	94.5	B	30.00	Yes	630	192	640	41 29 51	83 16 12
WIMX 1201 Fremont Pike (US 20) at Fostoria Rd. (US 23), Woodville, 2.7 mi. SE of US 20/I-480 interchange City of License: Gibsonburg, OH	L	95.7	A	3.50	Yes	433	132	430	41 28 19	83 25 05
WKKO NW corner of York and Lallendorf Roads, Toledo antenna farm, Oregon, OH City of License: Toledo, OH	L	99.9	B	50.00	Yes	500	152	527	41 40 05	83 27 01
WRVF Ch. 13 tower, 1701 N. Stadium Rd., Toledo antenna farm, Oregon, OH City of License: Toledo, OH	L	101.5	B	19.10	No	807	246	1049	41 41 02	83 24 47
WIOT 5132 Cedar Point Rd., Toledo antenna farm, Oregon, OH City of License: Toledo, OH	L	104.7	B+	50.00	No	540	165	573	41 40 23	83 25 31
WWWWM On tower with WOTL 90.3, Nebraska and Westwood Avenues, Toledo City of License: Sylvania, OH	L	105.5	A	4.30	No	390	119	433	41 38 48	83 36 22
WBUZ Adjacent to Conrail tracks, 0.5 mi. W of Swanton, OH center, 0.8 mi. S of Ohio Turnpike City of License: Delta, OH	L	106.5	A	3.00	No	328	100	335	41 35 13	83 54 11

Market overview/update: A very favorable stations-to-population ratio. The market has four full-coverage Class Bs. WWWWM is one of the better Class As in the major markets. It has increased from 2.15-kw to 4.3-kw (filling the new Class A power envelope) since our last edition. WRQN Bowling Green increased from 2-kw to 4.1-kw, yielding a couple of more miles of city-grade coverage over Toledo. Recent newcomers include WBUZ, an A in Delta, located in Swanton, WIMX Gibsonburg, located southeast of Toledo and WXKR Port Clinton, a Class B with an east-west DA on a tall tower to the east of the city.

TOLEDO



ARBITRON METRO AREA



VVKS 92.5 50/480



WRQN 93.5 4.1/397



WXKR 94.5 30/630



WIMX 95.7 3.5/433



WKKO 99.9 50/500

TOLEDO



WRVF 101.5 19.1/807



WOT 104.7 50/540



WWWW 105.5 4.3/390



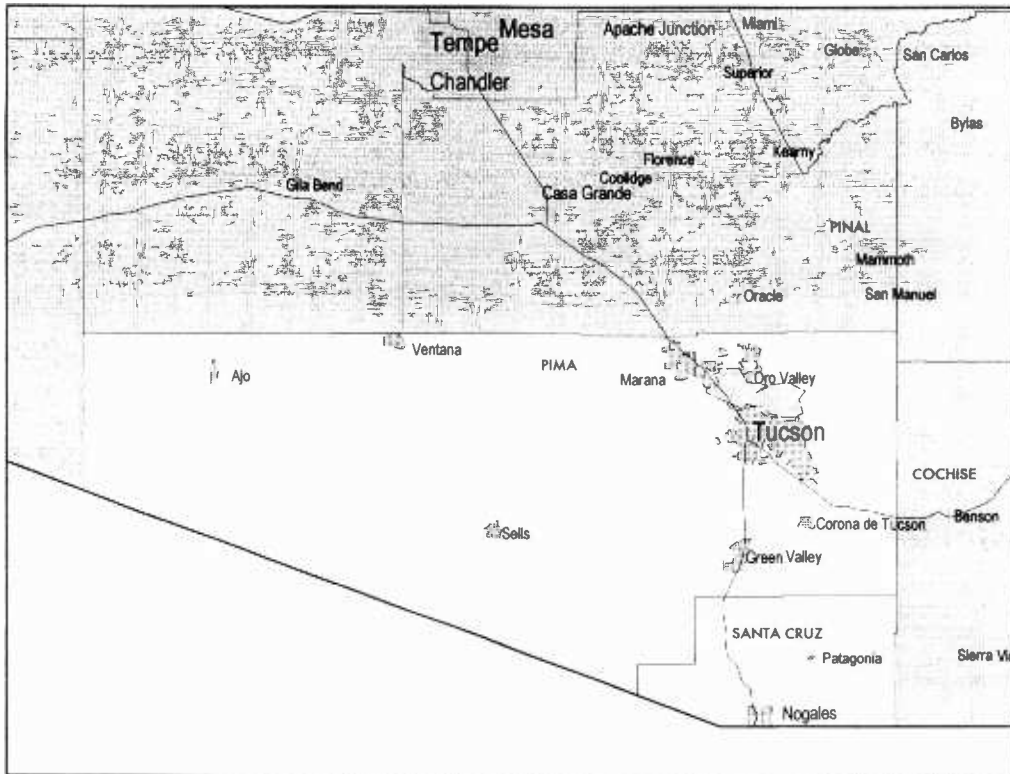
WBUZ 106.5 3/328

TUCSON

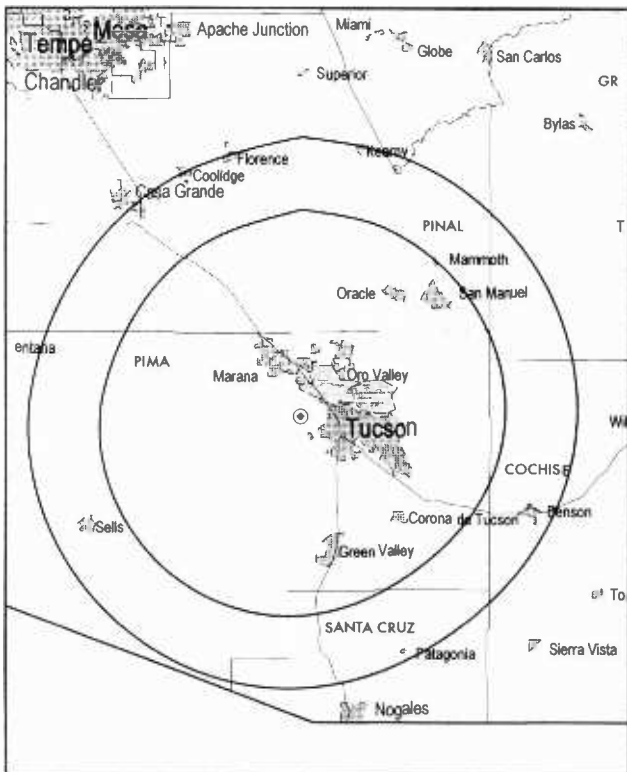
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KFMA Just SW of Pima County Fairgrounds, 1.2 mi. W of Houghton Rd., 17 mi. SE of downtown Tucson City of License: Green Valley, AZ	L	92.1	C2	50.00	No	492	150	632	32 00 11	110 47 49
KWFM 7120 Lost Canyon Drive, Tucson Mountain antenna farm, 8 mi. NW of Tucson (El. 4400') City of License: Tucson, AZ	L	92.9	C	93.00	No	2036	621	200	32 14 56	111 06 59
KRQQ Tucson Mtn. antenna farm City of License: Tucson, AZ	L	93.7	C	94.00	Yes	2032	619	200	32 14 56	111 06 57
KMXZ Tucson Mtn. antenna farm City of License: Tucson, AZ	L	94.9	C	100.00	No	1952	595	200	32 14 56	111 06 59
KLPX Tucson Mtn. antenna farm City of License: Tucson, AZ	L	96.1	C	100.00	No	1952	595	200	32 14 56	111 06 59
KOHT 5780 W. Moore Road, 4.5 mi. E of Marana, NW of Tucson City of License: Marana, AZ	L	98.3	A	3.00	No	202	62	297	32 27 09	111 05 09
KIIM Tucson Mtn. antenna farm City of License: Tucson, AZ	L	99.5	C	93.00	No	2036	621	200	32 14 56	111 06 59
KLQB N of Old Hwy. 77, 0.5 mi. E of Rockliffe Rd., Oracle City of License: Oracle, AZ	L	103.1	A	0.90	No	610	186	200	32 37 07	110 47 20
KKHG Former KLPX 96.1 tower, 2401 W. Zinnia Avenue, near I-10 and Ruthrauff Rd., NW Tucson City of License: Tucson, AZ	L	104.1	A	3.00	No	102	31	505	32 17 23	111 01 06
KZLZ 92785 E. Calle Zapata, North Mammoth, Pinal County, 26 mi. SE of Kearny, AZ City of License: Kearny, AZ	L	105.3	C2	50.00	No	492	150	108	32 49 38	110 34 12
KHYT Tucson Mtn. antenna farm City of License: Tucson, AZ	L	107.5	C	92.00	No	2034	620	213	32 14 56	111 06 59

Market overview/update: Unlike its neighbor Phoenix, which has a plethora of Class C signals, Tucson has only six, all of which transmit from the Tucson Mountain antenna farm, as close to an ideal FM site as can be found in a city mostly surrounded by mountains. KHYT signed on last year as a maximum power Class C, and is licensed to the market's "core" city. Such signals are increasingly rare as the FM band approaches saturation in many markets. Since our last edition, KFMA Green Valley has upgraded from Class A to Class C2 with 50-kw from a site southeast of the city. KKHG is a new Class A drop-in located on the former KLPX tower in northwest Phoenix. The incline of the surrounding terrain results in an FCC-official figure of only 102' above "average" terrain, even though the antenna is mounted atop a 500' tower. KZLZ Kearny is in the market via a translator.

TUCSON



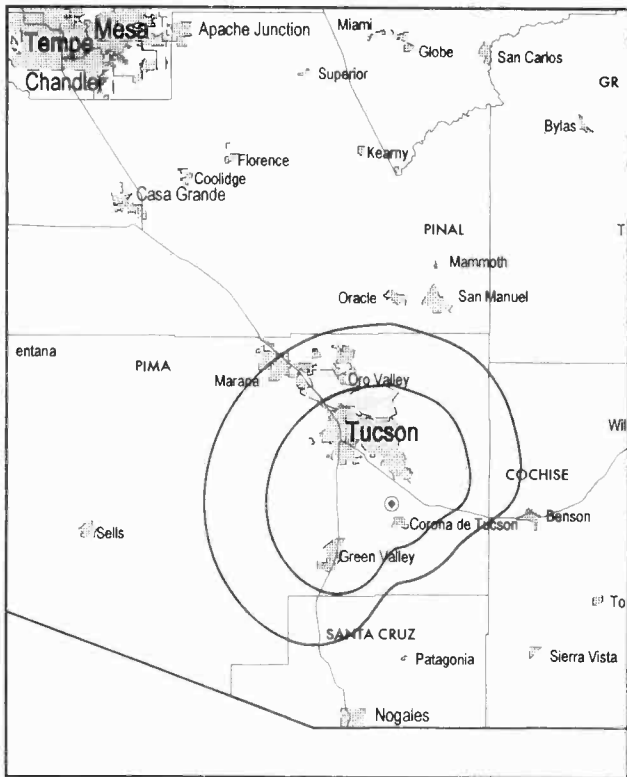
ARBITRON METRO AREA



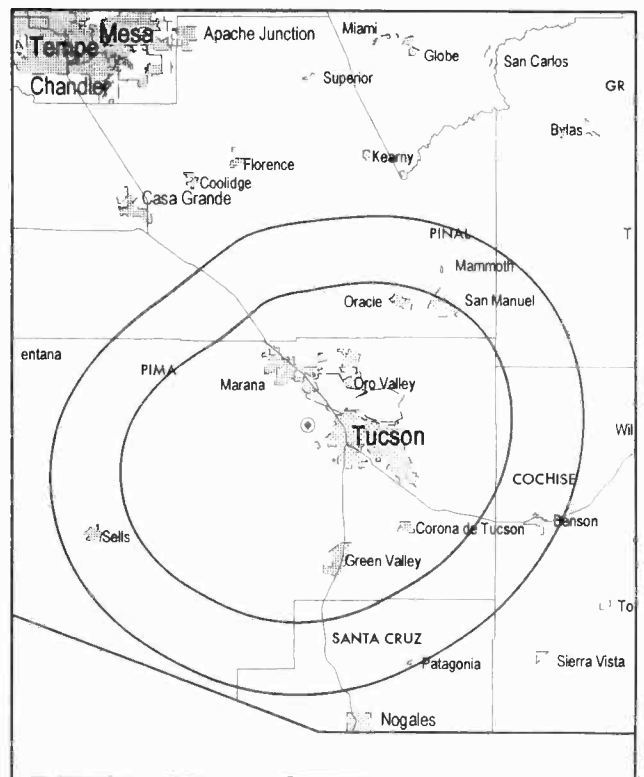
TUCSON MOUNTAIN ANTENNA FARM

KWFM	92.9	93/2036
KMXZ	94.9	100/1952
KLPX	96.1	100/1952
KIIM	99.5	93/2036
KHYT	107.5	92/2034

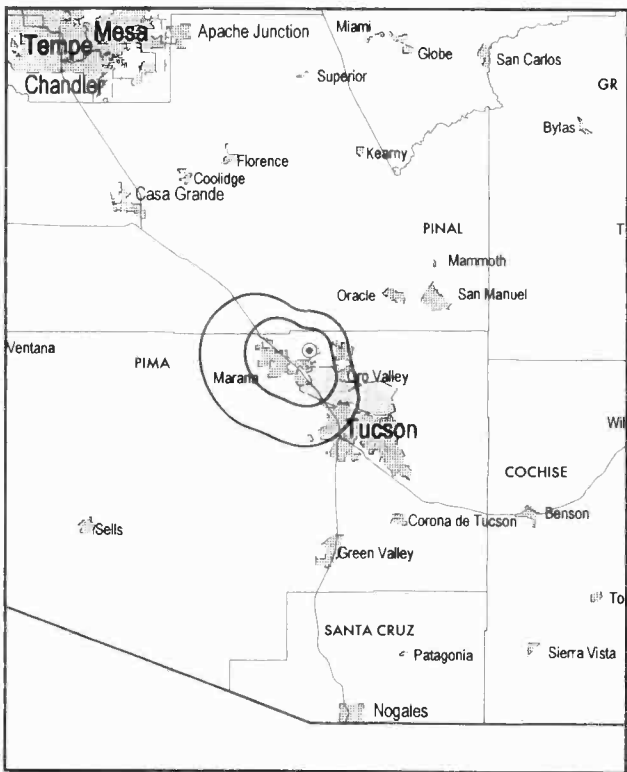
TUCSON



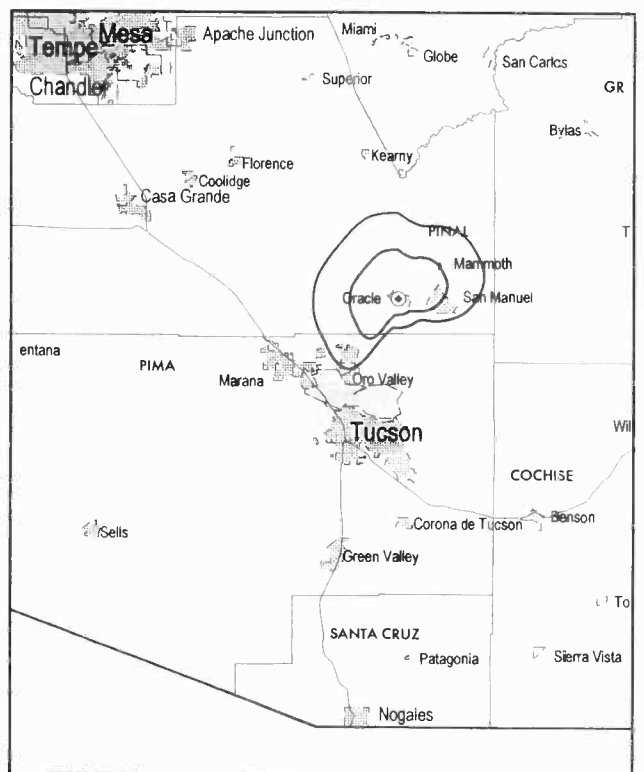
KFMA 92.1 50/492



KRQQ 93.7 94/2032

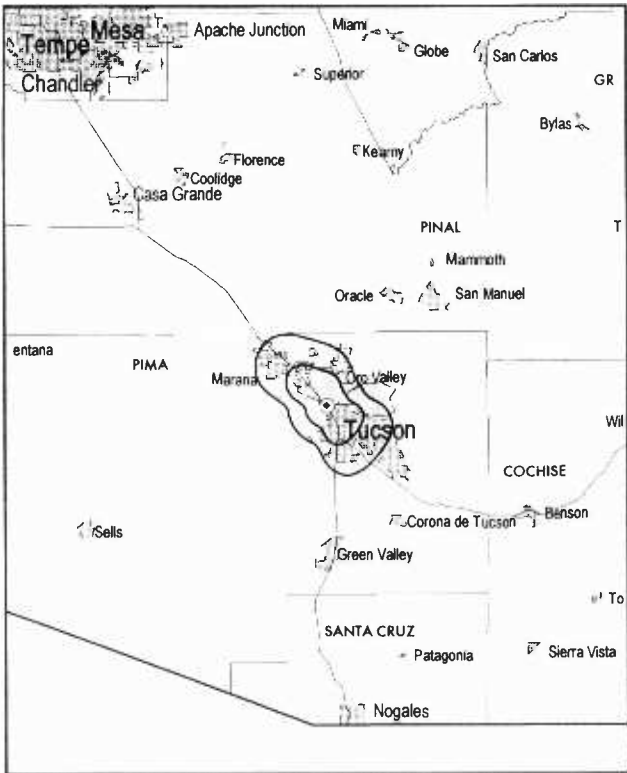


KOHT 98.3 3/202



KLQB 103.1 900w/610

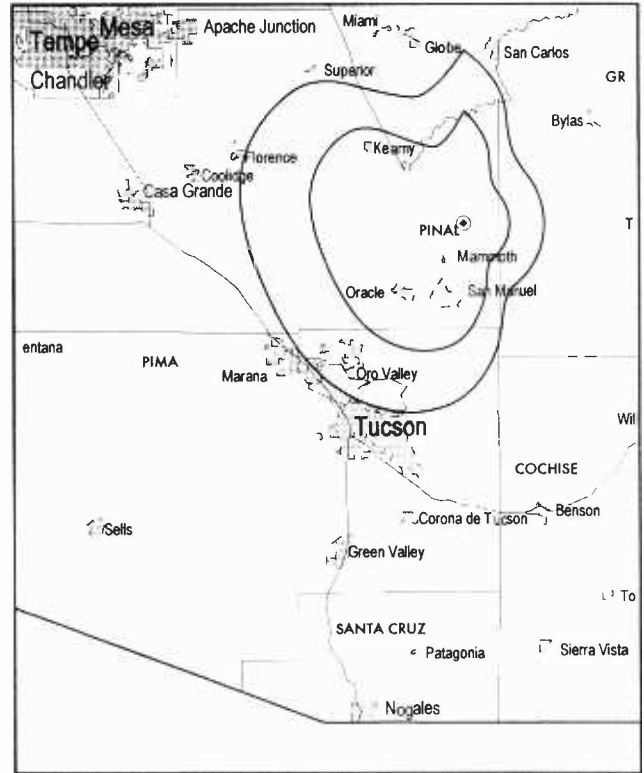
TUCSON



KKHG

104.1

3/102



KZLZ

105.3

50/492

TULSA

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KOAS On Lookout Mountain, W of I-244/US 75 interchange, Tulsa City of License: Broken Arrow, OK	L	92.1	C2	27.00	No	656	200	502	36 06 38	96 01 57
KBEZ Former Ch. 6 tower, 3 mi. N of Sand Springs, off OK 97, WNW of Tulsa City of License: Tulsa, OK	L	92.9	C	100.00	No	1318	402	1135	36 11 26	96 05 50
KCFM On tower with KCKI 99.5, 4 mi. SW of Mounds City of License: Okmulgee, OK	L	94.1	C2	18.00	No	817	249	856	35 50 02	96 07 28
KWEN Former Ch. 2 tower, 3 mi. N of Sand Springs, off OK 97, WNW of Tulsa City of License: Tulsa, OK	L	95.5	C	100.00	No	1327	405	1174	36 11 46	96 05 53
KRAV Diplexed with KWEN 95.5 City of License: Tulsa, OK	L	96.5	C	100.00	No	1327	405	1174	36 11 46	96 05 53
KMOD Diplexed with KWEN 95.5 City of License: Tulsa, OK	L	97.5	C	100.00	No	1327	405	1174	36 11 46	96 05 53
KVOO On tower with KBEZ 92.9 City of License: Tulsa, OK	L	98.5	C	100.00	No	1226	374	1135	36 11 26	96 05 50
KCKI 4 mi. SW of Mounds, 2.9 mi. W of Alt. US 75, S of Tulsa City of License: Henryetta, OK	L	99.5	C1	100.00	No	981	299	856	35 50 02	96 07 28
KXOJ 97th W. Avenue and 71st Street, 4.3 mi. N of Sapulpa City of License: Sapulpa, OK	L	100.9	A	5.00	No	361	110	217	36 03 38	96 06 03
KTFX On OK 97, just N of KBEZ/KVOO and KWEN/KRAV/KMOD towers, 4.7 mi. N of Sand Springs City of License: Sand Springs, OK	L	102.3	A	1.70	No	436	133	282	36 12 39	96 06 03
KJSR Ch. 41 tower, Tulsa TV antenna farm, 101st Street, E of OK 51, SE of Tulsa City of License: Tulsa, OK	L	103.3	C	100.00	No	1280	390	1368	36 01 10	95 39 24
KMYZ On tower with KJSR 103.3 City of License: Pryor, OK	L	104.5	C1	70.00	No	1130	344	1368	36 01 10	95 39 24
KJMM On tower with KHTT 106.9, Stone Bluff City of License: Bixby, OK	L	105.3	C3	3.40	No	879	268	729	35 51 41	95 46 03

TULSA

KQLL L 106.1 C 100.00 No 1322 403 1299 36 31 36 95 39 12

W side of Olagah Lake, 2.8 mi. E of Talala, OK

City of License: Owasso, OK

KHTT L 106.9 C 100.00 No 1010 308 729 35 51 41 95 46 03

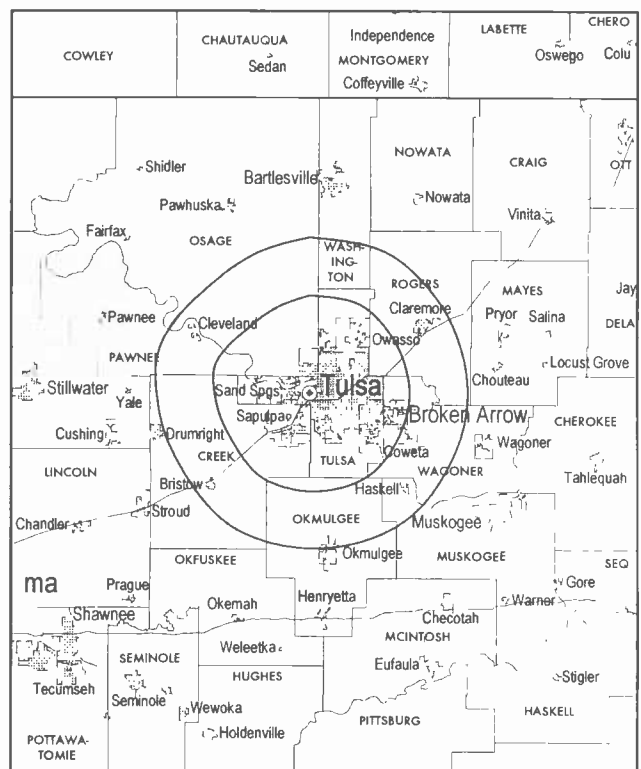
Stone Bluff, 2.4 mi. W of US 64, NW of Haskell, OK

City of License: Muskogee, OK

Market overview/update: Tulsa already had four C and C1 move-ins when our last edition was published. Since then, KOAS (formerly KCMA) upgraded from Class A to Class C2, and a transmitter site on a hilltop across the river from Tulsa. KTFX is a new Class A drop-in the Tulsa FM antenna farm in Sand Springs. KXOJ is a new Class A drop-in to the south. KJMM is a Class C3 drop-in on the KHTT tower in Stone Bluff. KCFM is a new Class C2 move-in on the KCKI tower near Mounds.



ARBITRON METRO AREA

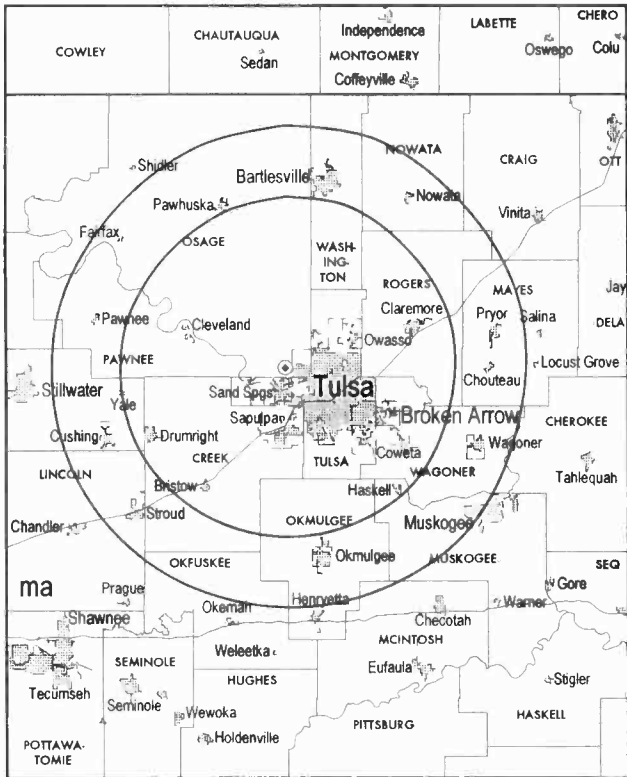


KOAS

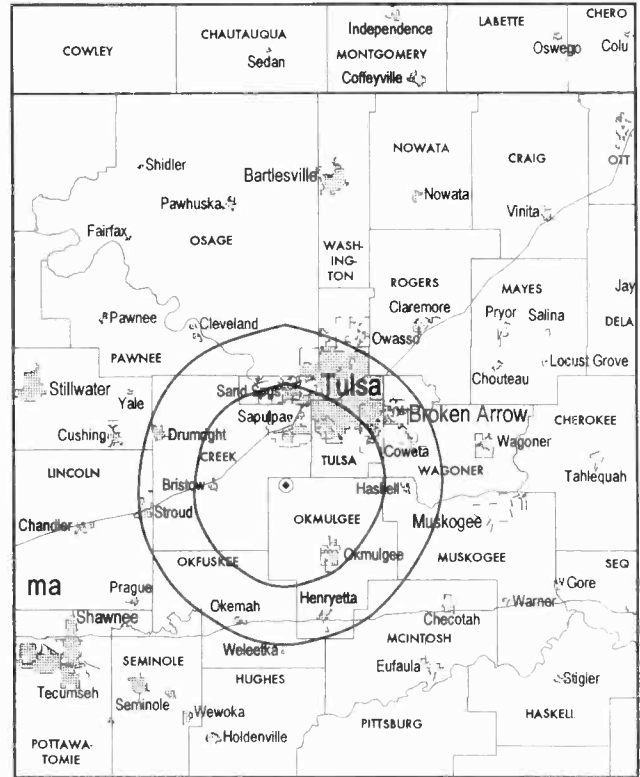
92.1

27/656

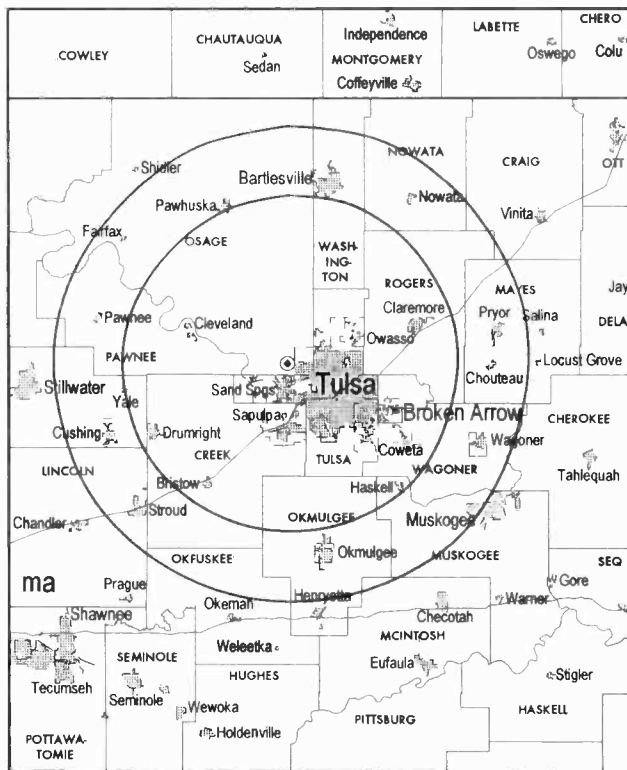
TULSA



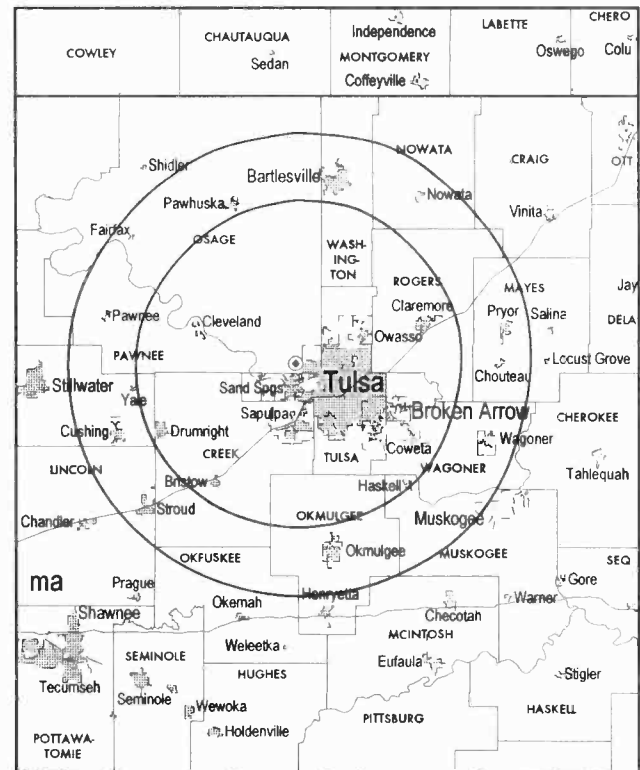
KBEZ 92.9 100/1318



KCFM 94.1 18/817

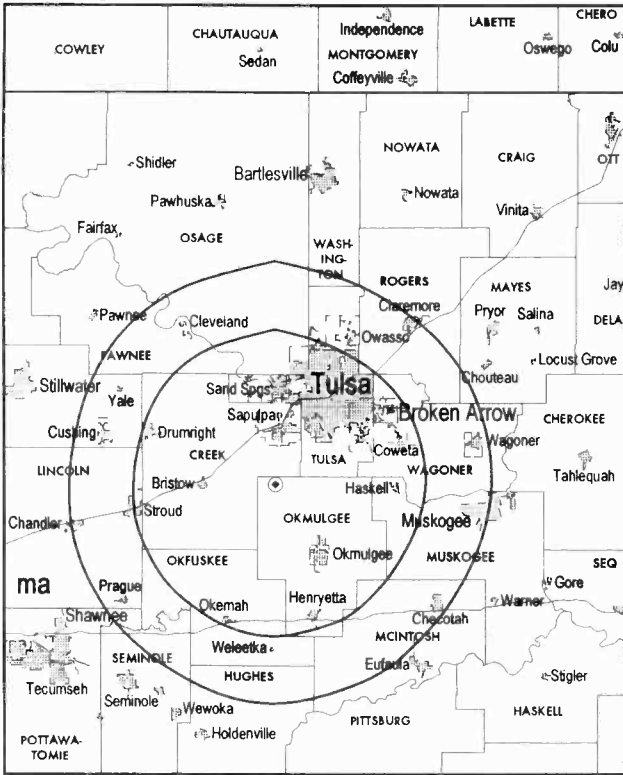


KWEN 95.5 100/1327
 KRAV 96.5 100/1327
 KMOD 97.5 100/1327



KVOO 98.5 100/1226

TULSA



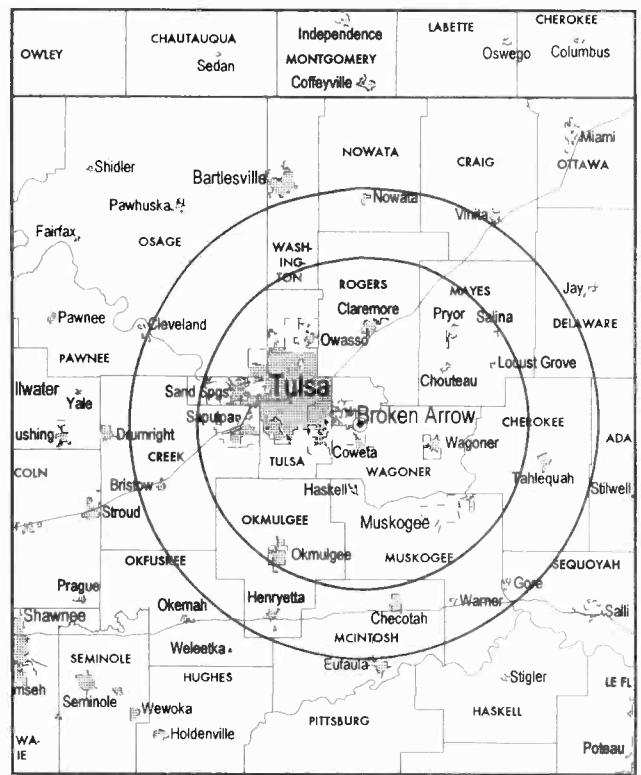
KCKI 99.5 100/981



KXOJ 100.9 5/361

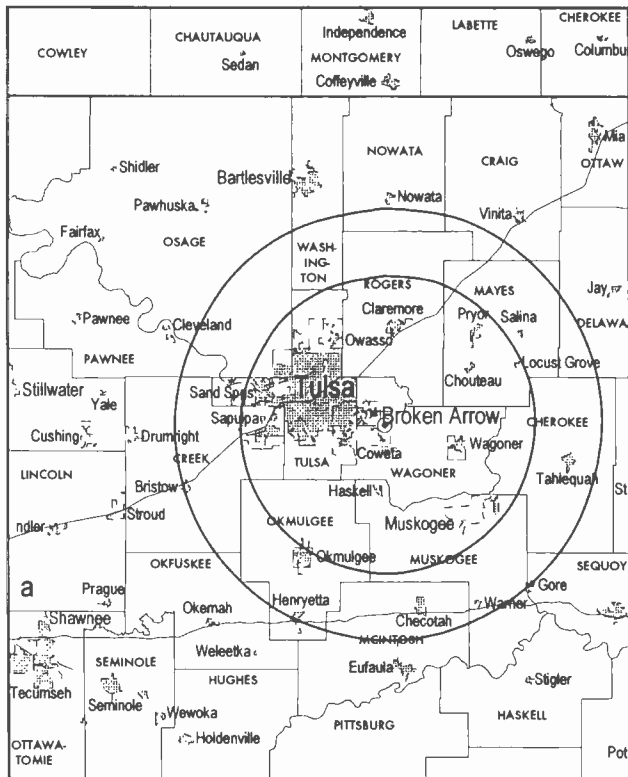


KTFX 102.3 1.7/436



KJSR 103.3 100/1280

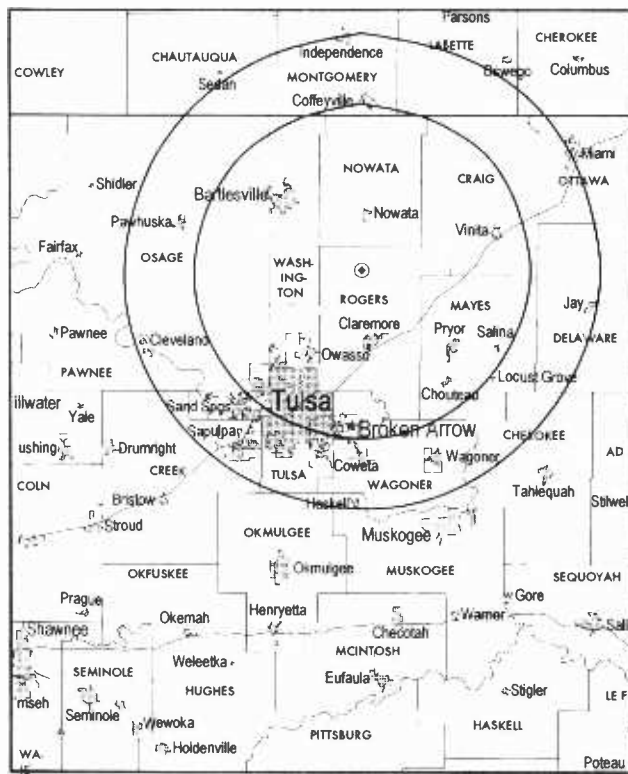
TULSA



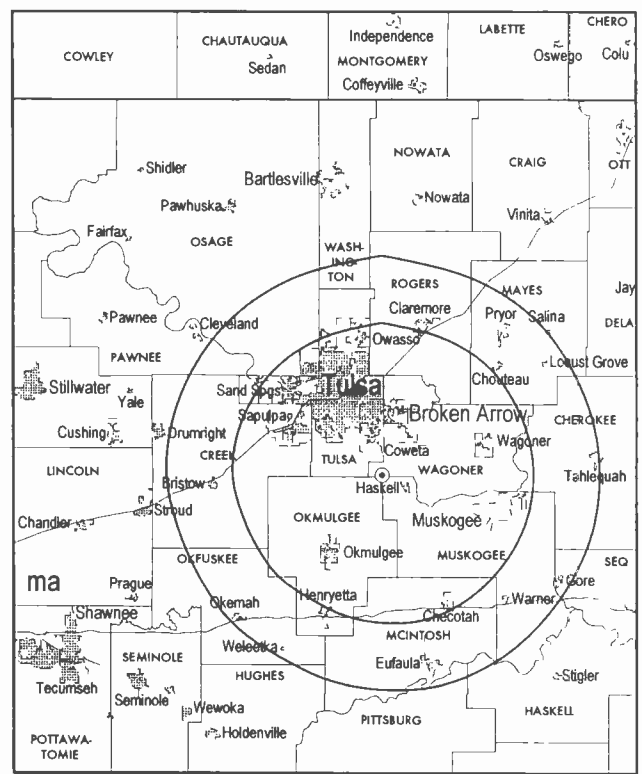
KMYZ 104.5 70/1130



KJMM 105.3 3.4/879



KQLL 106.1 100/1322



KHTT 106.9 100/1010

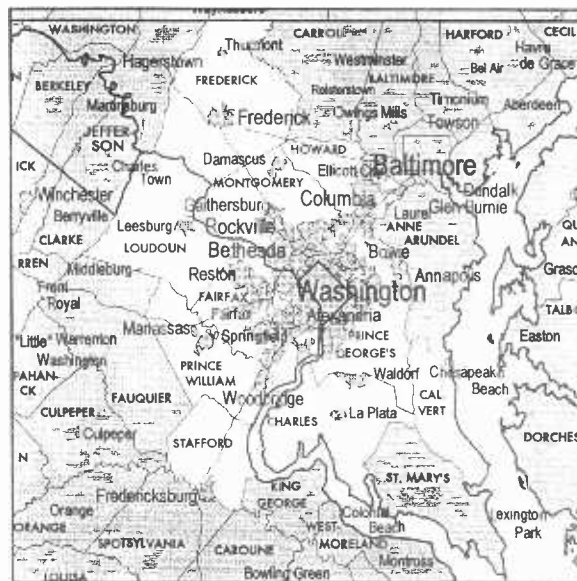
WASHINGTON

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WKYS Ch. 4 tower, 4001 Nebraska Avenue NW, Washington City of License: Washington, DC	L	93.9	B	24.50	No	705	215	662	38 56 24	77 04 54
WARW Ch. 20/26 tower, 5202 River Road, Bethesda, MD City of License: Bethesda, MD	L	94.7	B	20.50	No	771	235	809	38 57 49	77 06 18
WPGC 6369 Walker Mill Rd., District Heights, MD City of License: Morningside, MD	L	95.5	B	50.00	No	500	152	395	38 51 48	76 54 38
WHUR Ch. 7/9 tower, 4001 Brandywine Street NW, Washington City of License: Washington, DC	L	96.3	B	24.00	No	670	204	640	38 57 01	77 04 47
WASH Ch. 5 tower, 5151 Wisconsin Avenue NW, Washington City of License: Washington, DC	L	97.1	B	26.00	No	686	209	705	38 57 21	77 04 57
WMZQ Tower Street, W of Falls Church, VA City of License: Washington, DC	L	98.7	B	50.00	No	490	149	339	38 53 12	77 12 05
WHFS Defense Hwy. (MD 450) at Davidsonville Rd., E of Bowie, MD City of License: Annapolis, MD	L	99.1	B	50.00	No	460	140	499	38 59 46	76 39 26
WGAY On Ch. 20/26 tower with WARW 94.7 City of License: Washington, DC	L	99.5	B	22.00	No	751	229	809	38 57 49	77 06 18
WBIG WAVA 105.1 tower, 5232 Lee Highway, Arlington, VA City of License: Washington, DC	L	100.3	B	36.00	No	574	175	417	38 53 44	77 08 04
WWDC 8750 Brookville Road, Silver Spring, MD City of License: Washington, DC	L	101.1	B	22.50	No	760	232	753	38 59 59	77 03 27
WMMJ Former Ch. 7 tower, American University campus, off Nebraska Avenue NW, Washington City of License: Bethesda, MD	L	102.3	A	2.90	Yes	480	146	423	38 56 09	77 05 33
WGMS On tower with WMMJ 102.3 City of License: Washington, DC	L	103.5	B	44.00	Yes	518	158	423	38 56 09	77 05 33
WWVZ High Knob, Gambrill Mountain, 1 mi. N of I-70, 5 mi. NW of downtown Frederick, MD City of License: Braddock Heights, MD Note: Simulcasts WWZZ 104.1 Waldorf, MD/Washington	L	103.9	A	0.38	No	912	278	0	39 27 50	77 29 44

WASHINGTON

WWZZ Off Poplar Hill Rd., E of Waldorf, MD City of License: Waldorf, MD Note: Simulcast on WWVZ 103.9 Braddock Heights/Frederick, MD	L	104.1	B	22.00	No	764	233	768	38 37 07	76 50 42
WAVA 5232 Lee Highway, Arlington, VA City of License: Arlington, VA	L	105.1	B	41.00	No	541	165	417	38 53 44	77 08 04
WJZW Ch. 53/56 tower, US 29 at I-495, Merrifield, VA City of License: Woodbridge, VA	L	105.9	B	28.00	Yes	648	198	689	38 52 28	77 13 24
WJFK On tower with WJZW 105.9 City of License: Manassas, VA	L	106.7	B	22.40	Yes	730	223	689	38 52 28	77 13 24
WRQX On Ch. 7/9 tower with WHUR 96.3 City of License: Washington, DC	L	107.3	B	34.00	No	604	184	640	38 57 01	77 04 47
WFSI On tower with WHFS 99.1 City of License: Annapolis, MD	L	107.9	B	50.00	Yes	500	152	499	38 59 46	76 39 26

Market overview/update: There have been several significant facilities changes in Washington in the past five years. The most significant change has been the upgrade of the former United facility on 100.3 to full-market parity. It is now WBIG, transmitting from the WAVA tower in Arlington. WXTR (now WWZZ) built a new 768' tower adjacent to its former 500' tower just east of Waldorf, MD. Though still short of full-market parity, coverage was significantly improved. WWZZ (104.1) is now being simulcast on first-adjacent channel Class A in Frederick, WWVZ (103.9, formerly WZYQ, "Z-104") yielding extended coverage and reduced adjacent channel interference in Montgomery County. WHFS Annapolis has become a far-more-significant factor in Washington since upgrading to a 500' tower near Bowie, MD, which it shares with WFSI. WHFS also has significant coverage and ratings in Baltimore. WMMJ upgraded from 1.35-kw to 2.9-kw on the American University tower in northwest Washington.

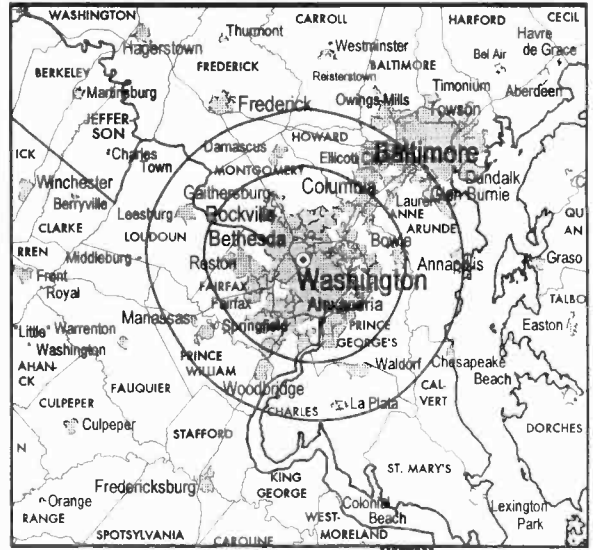


ARBITRON METRO AREA

WASHINGTON



WKYS 93.9 24.5/705



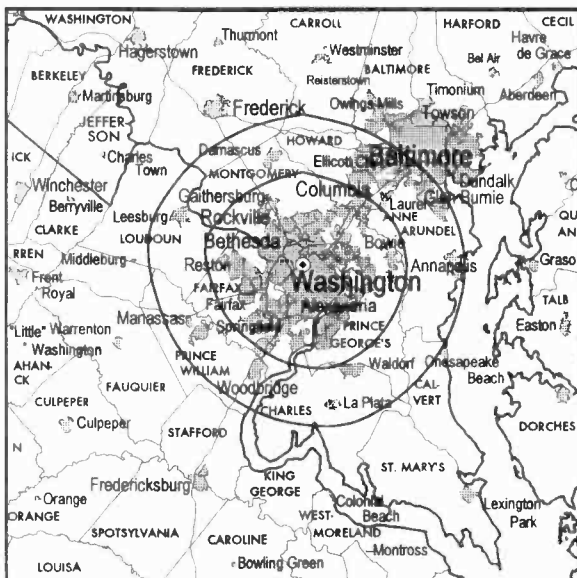
WARW 94.7 20.5/771
WGAY 99.5 22/751



WPGC 95.5 50/500



WHUR 96.3 24/670



WASH 97.1 26/686

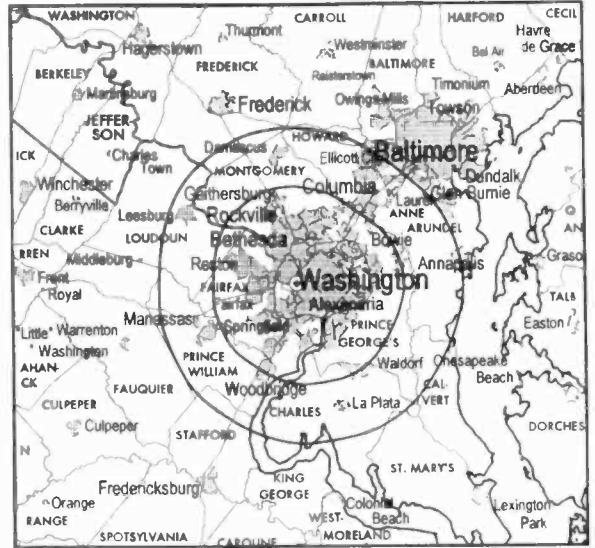


WMZQ 98.7 50/490

WASHINGTON



WHFS 99.1 50/460



WBIG 100.3 36/574

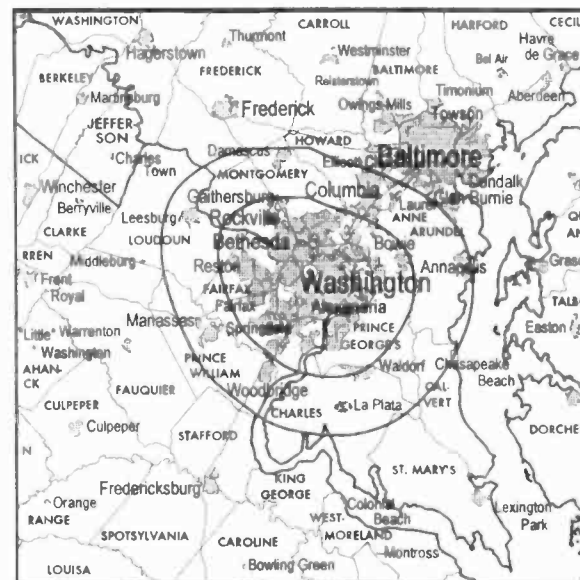
WAVA 105.1 41/541



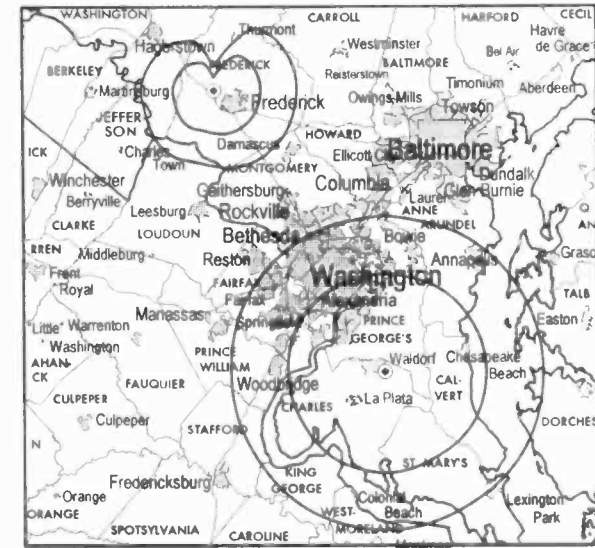
WWDC 101.1 22.5/760



WMMJ 102.3 2.9/480



WGMS 103.5 44/518



WWVZ 103.9 380w/912

WWZZ 104.1 22/764

WASHINGTON



WJZW 105.9 28/648



WJFK 106.7 22.4/730



WRQX 107.3 34/604



WFSl 107.9 50/500

WEST PALM BEACH

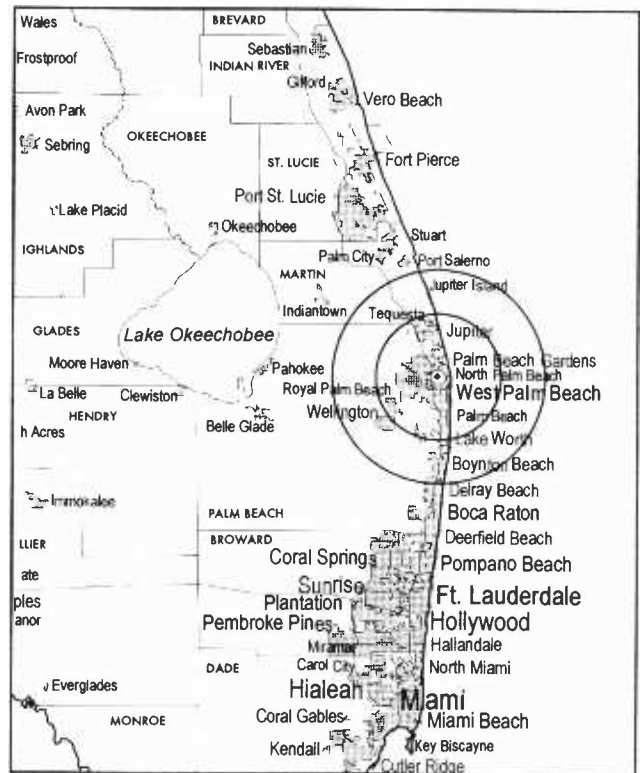
Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WRLX Park Avenue at Old Dixie Hwy., Lake Park City of License: West Palm Beach, FL	L	92.1	C3	7.20	No	499	152	500	26 47 58	80 04 33
WOLL 0.5 mi. N of end of Donald Ross Rd., W of Florida Tpk., 4.8 mi. W of Jupiter City of License: Riviera Beach, FL	L	94.3	C3	13.00	Yes	453	138	500	26 53 21	80 08 49
WCLB Ch. 34 tower, 9 mi. SW of Stuart City of License: Ft. Pierce, FL	L	95.5	C1	100.00	No	982	299	1520	27 07 20	80 23 21
WRMF Ch. 29 tower, 2.3 mi. W of US 441, near Lantana Rd., 11 mi. W of Lake Worth City of License: Palm Beach, FL	L	97.9	C	100.00	No	1350	411	1533	26 34 37	80 14 32
WKGR Ch. 34 tower with WCLB 95.5 City of License: Ft. Pierce, FL	L	98.7	C	100.00	No	1380	421	1520	27 07 20	80 23 21
WKGR CP Unnamed road 1.2 mi. S of FL 708, 3 mi E of I-95, 4 mi SW of Hobe Sound, Duplicated with WPBZ (CP) City of License: Ft. Pierce, FL Note: Station will downgrade to C1 status to allow a move to a transmitter site closer to West Palm Beach	C	98.7	C1	100.00	No	981	299	1030	27 01 32	80 10 43
WJBW 500 N. Delaware Blvd., 0.5 mi. N of FL 706, western section of Jupiter City of License: Jupiter, FL	L	99.5	A	6.00	No	308	94	322	26 56 22	80 07 04
WPBZ 610 SE Bridge Road, 8 mi WSW of center of Hobe Sound, FL City of License: Indiantown, FL	L	103.1	C2	50.00	No	482	147	500	27 01 51	80 15 11
WPBZ CP Duplicated with WKGR (CP) on a new tower City of License: Indiantown, FL	C	103.1	C2	13.00	No	981	299	1030	27 01 32	80 10 43
WEAT Ch. 29 tower with WRMF 97.9 City of License: West Palm Beach, FL	L	104.3	C	100.00	No	1273	388	1533	26 34 37	80 14 32
WRK 1500 N. Flagler Driver, downtown West Palm Beach City of License: West Palm Beach, FL	L	107.9	C1	100.00	No	340	104	404	26 43 32	80 03 04
WRK CP New WBZT-AM 1290 array, 56th Place at 110th St., off Royal Palm Beach Blvd., 4.3 mi. W of Florida Tpk., 3.7 mi. N of FL 704 City of License: West Palm Beach, FL	C	107.9	C1	100.00	No	426	130	443	26 45 47	80 12 19

WEST PALM BEACH

Market overview/update: The explosive growth in this market has been matched by activity in the FM facilities arena. Most noteworthy in recent years has been Amaturio's jump of an Okeechobee A to a new city of license - Indiantown - which allowed a tower site close enough to West Palm Beach to create a new, competitive Class C2 signal. The new Indiantown station, WPBZ, is currently operating with 50-kw on a 500' stick west of Hobe Sound. It has applied to the FCC to build a 1030' tower 6 miles west of Jupiter which will be shared with WKGR. WKGR has applied to downgrade from Class C to Class C1, which will reduce the mileage separations between it and other stations, thus allowing it to move closer to West Palm Beach. Also since our last edition, WJBW, a new 6-kw Class A in Jupiter has signed on. WRLX has upgraded from Class A to Class C3. WOLL has upgraded to Class C3 on a tower west of Jupiter. WEAT has upgraded from Class C1 to full Class C. It remains at its long-time site on the Ch. 29 tower. WIRK holds a CP to move to a new 443' tower being built as part of a new array for WBZT-AM a few miles northwest of West Palm Beach. WIRK will remain a Class C1 station.



ARBITRON METRO AREA

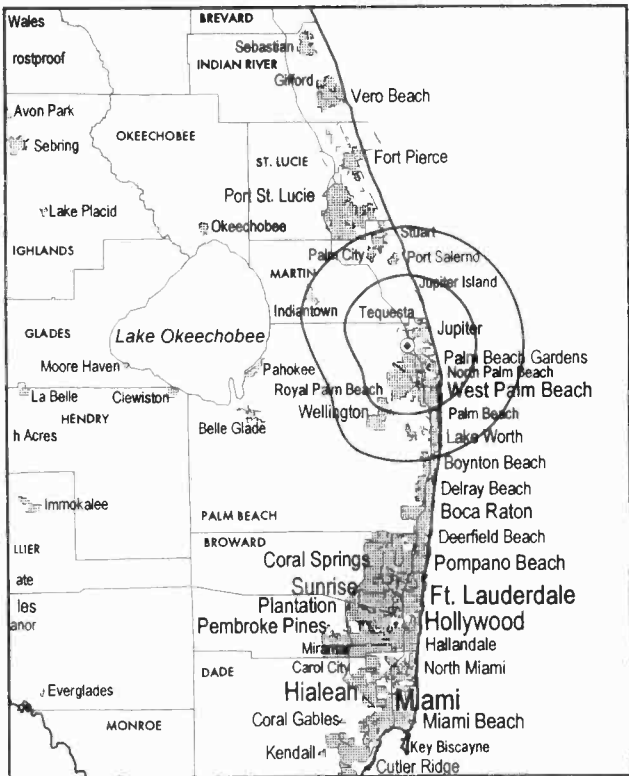


WRLX

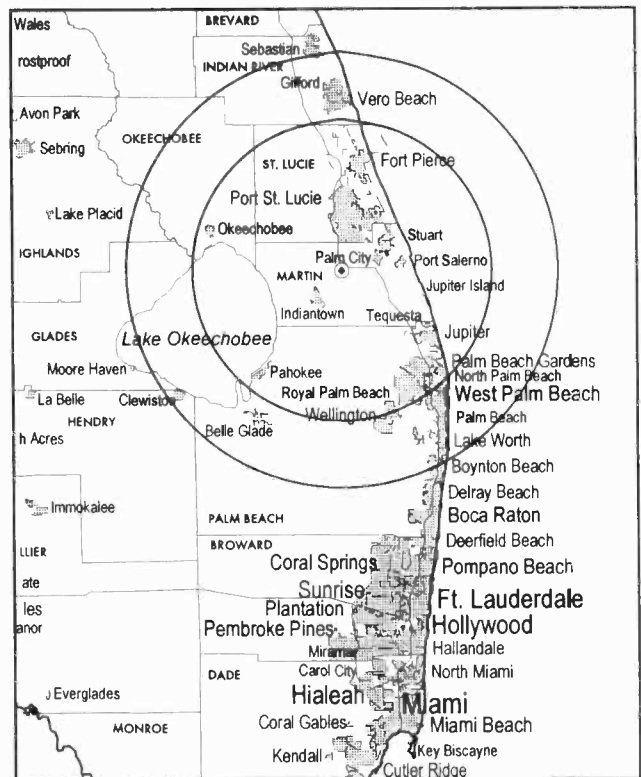
92.1

7.2/499

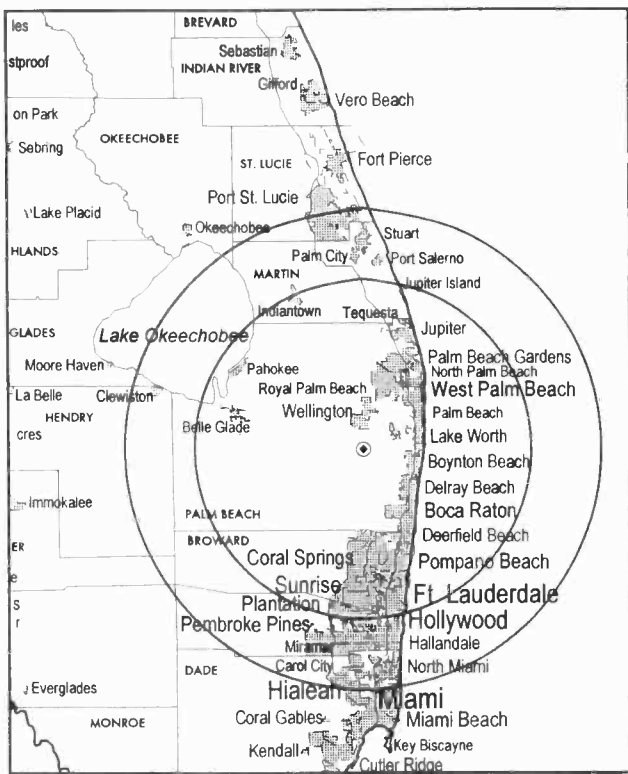
WEST PALM BEACH



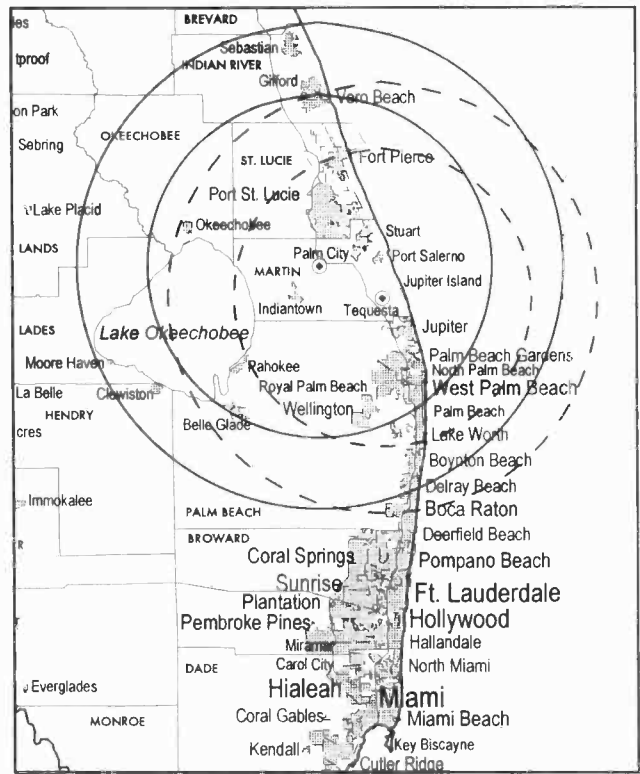
WOLL 94.3 13/453



WCLB 95.5 100/982

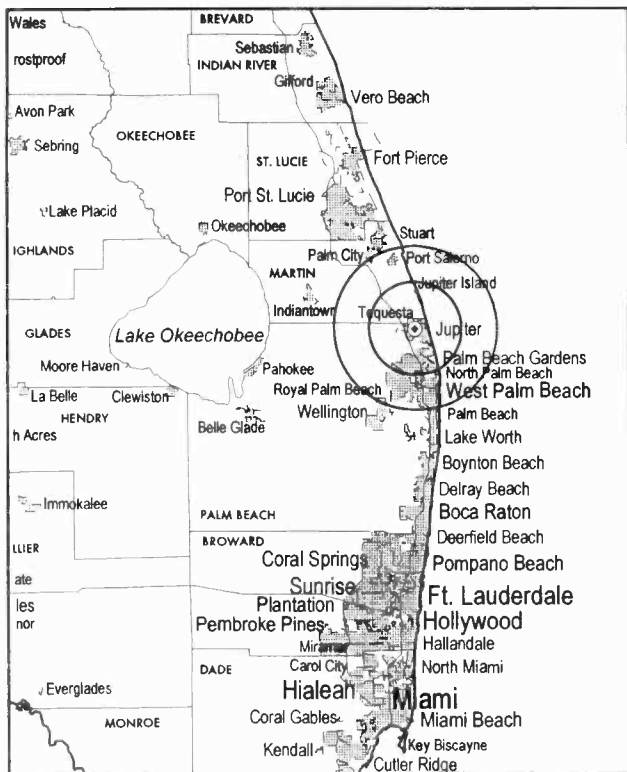


WRMF 97.9 100/1350

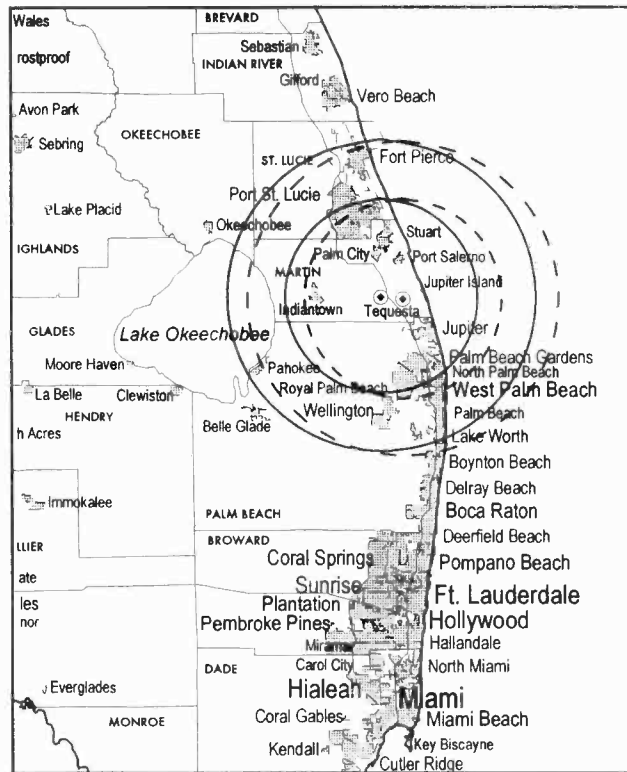


WKGR 98.7 100/1380
WKGR CP 98.7 100/981

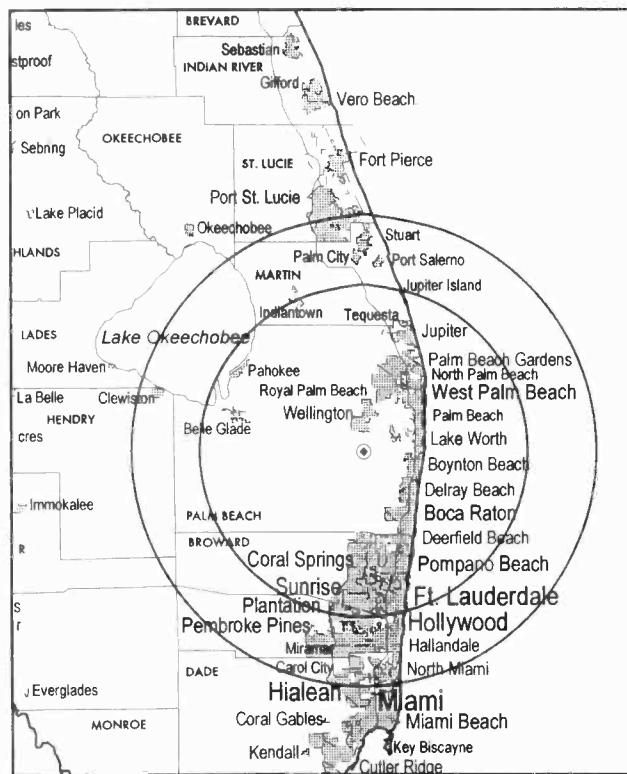
WEST PALM BEACH



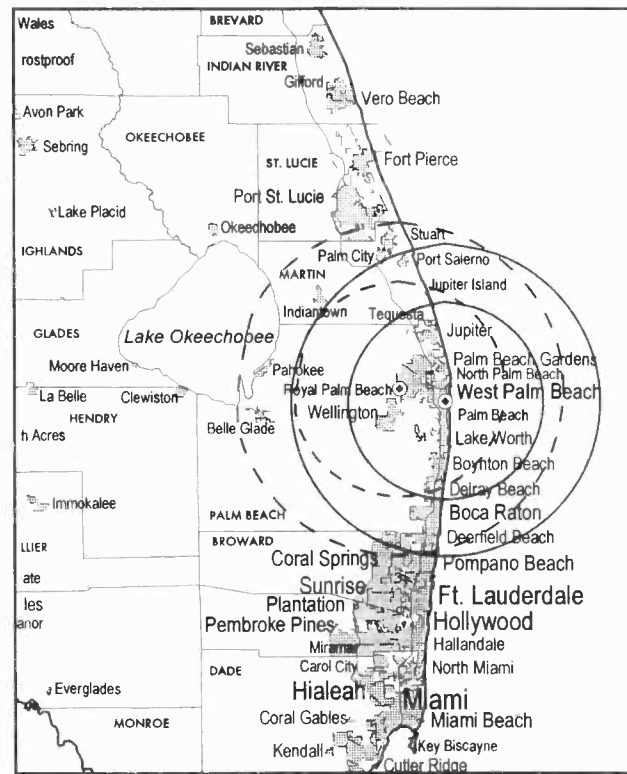
WJBW 99.5 6/308



WPBZ 103.1 50/482
WPBZ CP 103.1 13/981



WEAT 104.3 100/1273

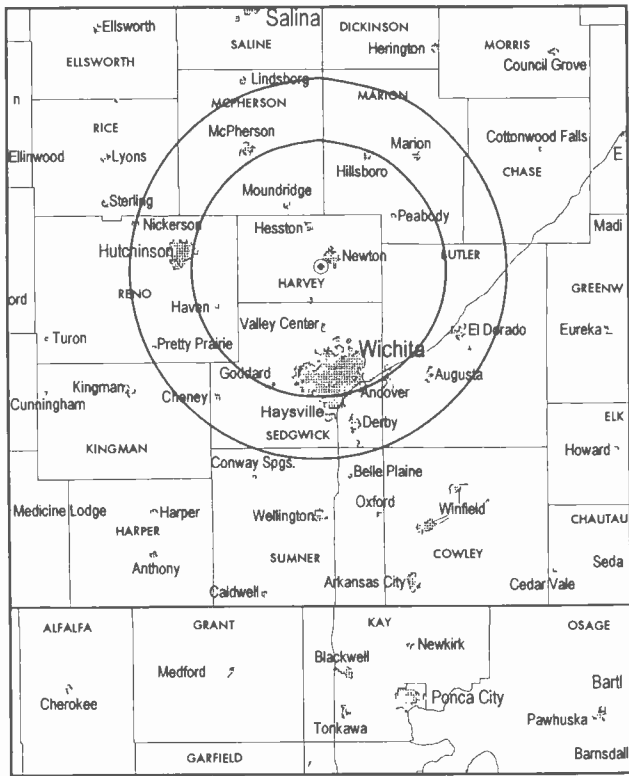


WIRK 107.9 100/340
WIRK CP 107.9 100/426

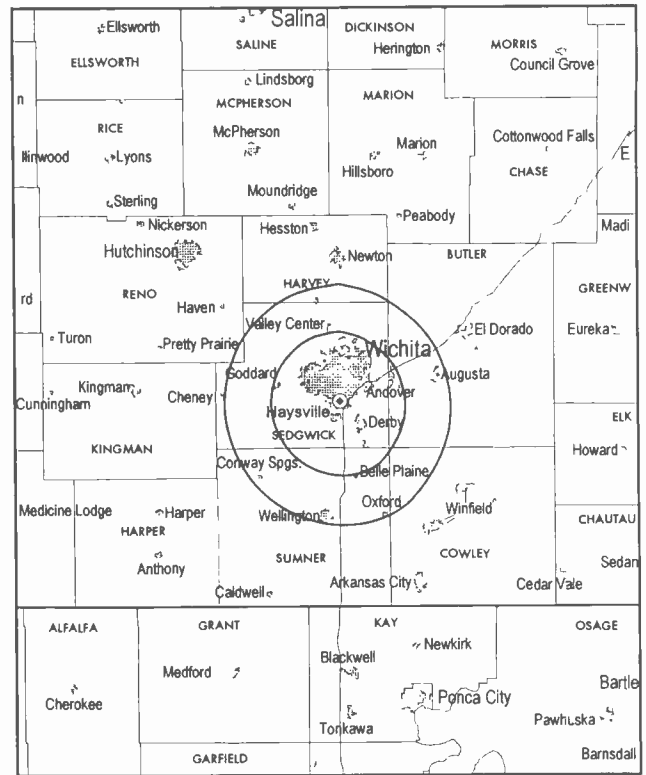
WICHITA

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
KOEZ 2 mi. SW of Newton City of License: Newton, KS	L	92.3	C1	100.00	No	640	195	700	31 01 09	97 23 01
KDGS Former KRZZ-FM tower, 4301 S. Broadway, Wichita, near I-35/I-235 interchange City of License: Andover, KS	L	93.9	C3	25.00	No	328	100	374	37 37 00	97 20 11
KICT On KFDI 101.3 tower, NW of Wichita City of License: Wichita, KS	L	95.1	C1	100.00	No	897	274	1159	37 47 47	97 31 59
KRZZ KNSS-AM 1240 tower, Hydraulic & 18th Streets, just E of I-135, Wichita City of License: Derby, KS	L	96.3	C2	50.00	No	492	150	500	37 43 06	97 19 05
KRBB Ch. 24 tower with KXLK 105.3, antenna farm area, 1.4 mi. E of Colwich, KS City of License: Wichita, KS	L	97.9	C	100.00	No	993	303	1161	37 46 40	97 30 37
KTLI Kechi Rd., 0.5 mi. N of 170th Street, 2 mi. E of Towanda, W of El Dorado City of License: El Dorado, KS	L	99.1	C2	42.00	No	515	157	500	37 48 11	96 57 24
KFDI 16400 W. 61st Street, Antenna farm, 1 mi. N of Colwich, KS, NW of Wichita City of License: Wichita, KS	L	101.3	C	100.00	No	1140	347	1159	37 47 47	97 31 59
KZSN On KFDI 101.3 tower City of License: Hutchinson, KS	L	102.1	C	100.00	No	1032	315	1159	37 47 47	97 31 59
KEYN Ch. 3 tower, antenna farm area, 1 mi. SE of Colwich City of License: Wichita, KS	L	103.7	C1	100.00	No	860	262	1067	37 46 37	97 31 01
KLLS 6609 N. Woodlawn, Kechi, KS City of License: Augusta, KS	L	104.5	C2	45.00	Yes	515	157	500	37 48 15	97 15 56
KXLK Ch. 24 tower, antenna farm area, 1.4 mi. E of Colwich, KS City of License: Hayesville, KS	L	105.3	C	100.00	No	993	301	1161	37 46 40	97 30 37
KYQQ 8.2 mi. N of Winfield, KS, 2.3 mi. E of US 77, 0.3 mi. S of Cowley County Road 8 City of License: Arkansas City, KS	L	106.5	C	100.00	No	1280	390	1253	37 21 24	96 57 55
KKRD Diplexed with KEYN 103.7, Ch. 3 tower, antenna farm area, 1 mi. SE of Colwich City of License: Wichita, KS	L	107.3	C1	100.00	No	860	262	1067	37 46 37	97 31 01

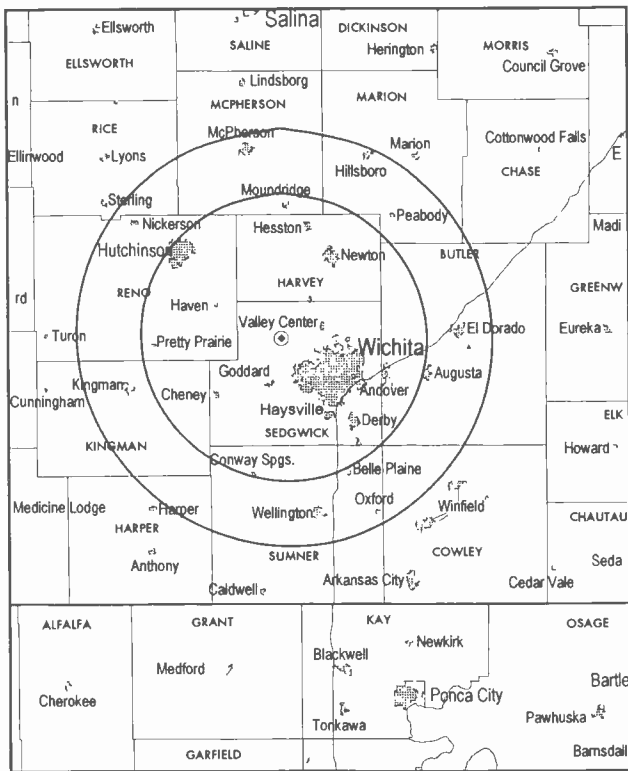
WICHITA



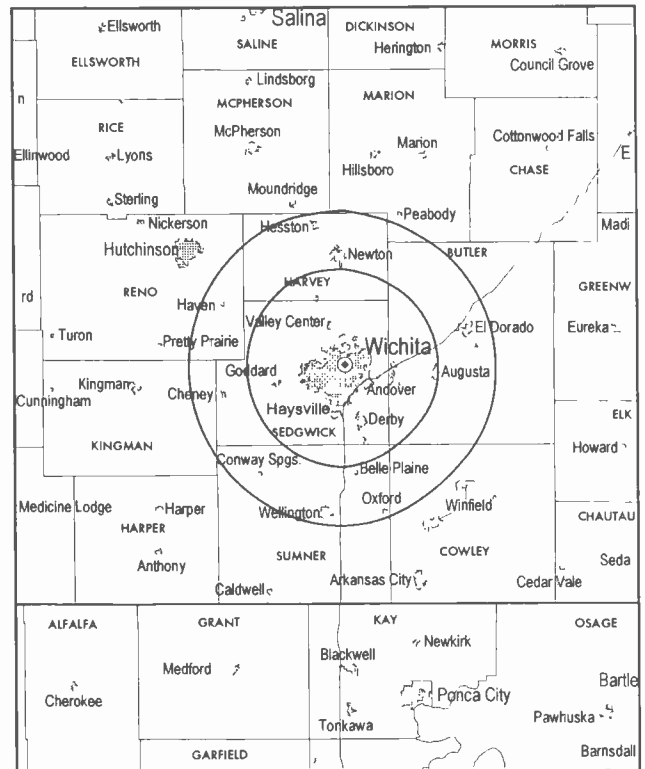
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KDGS 93.9 25/328

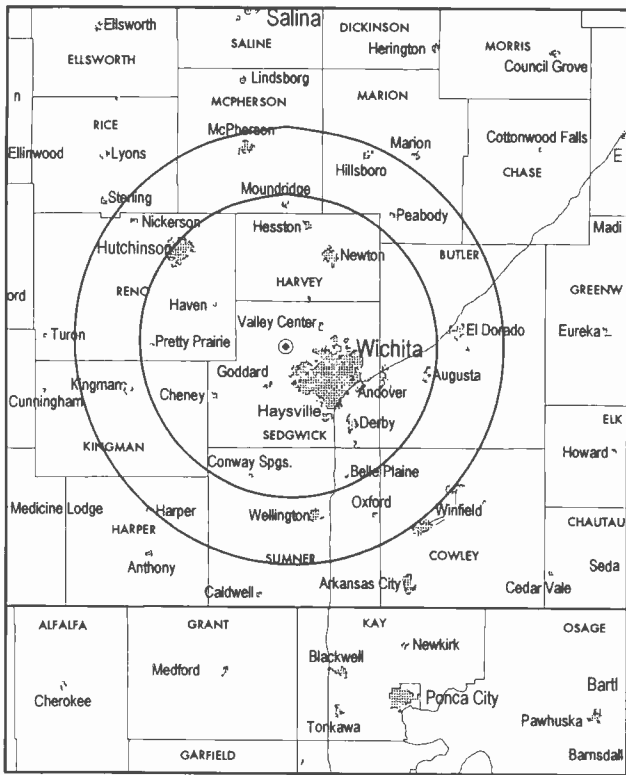


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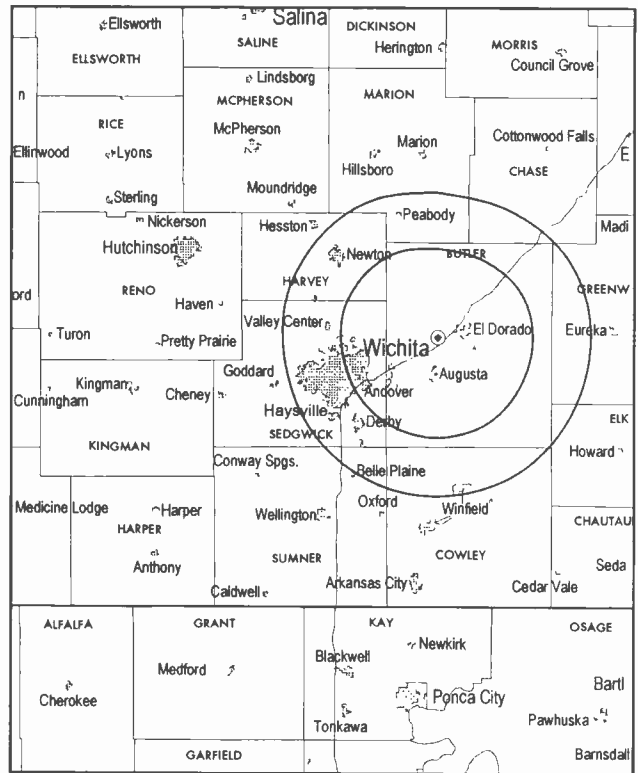


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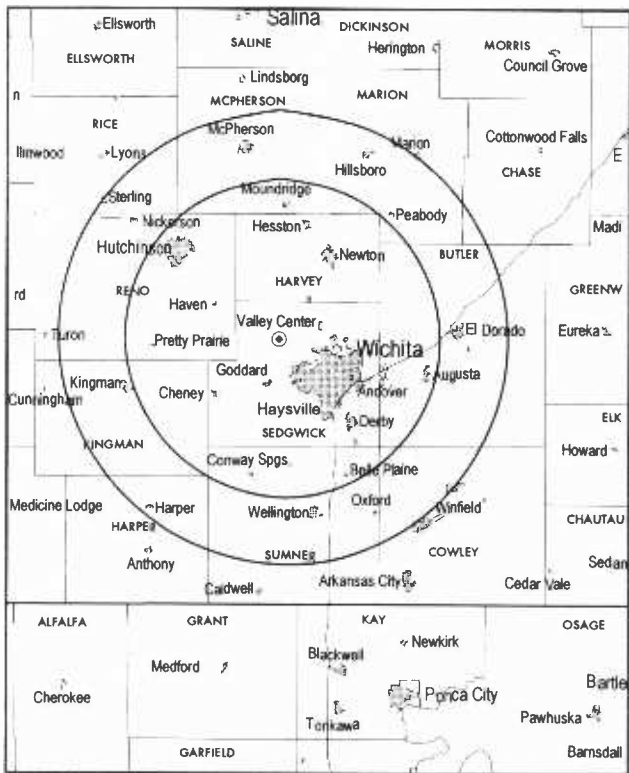
WICHITA



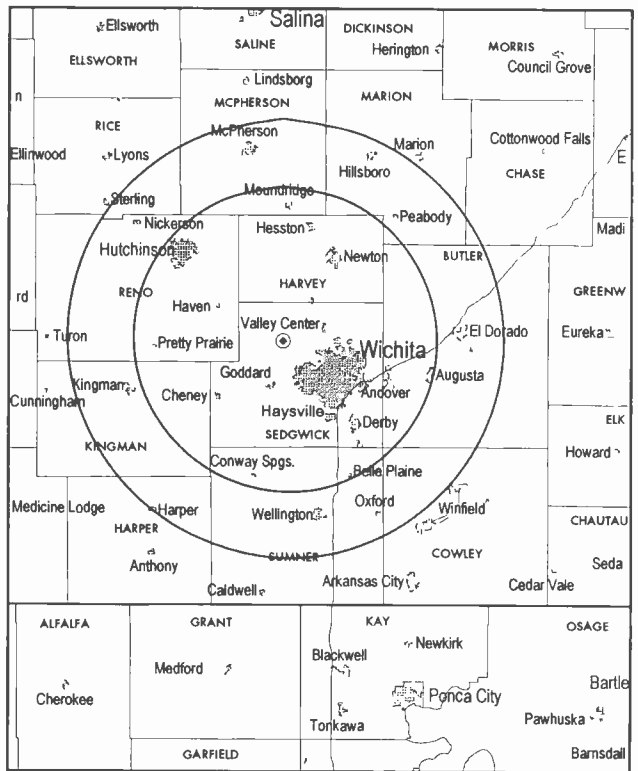
KRBB 97.9 100/993



KTLI 99.1 42/515

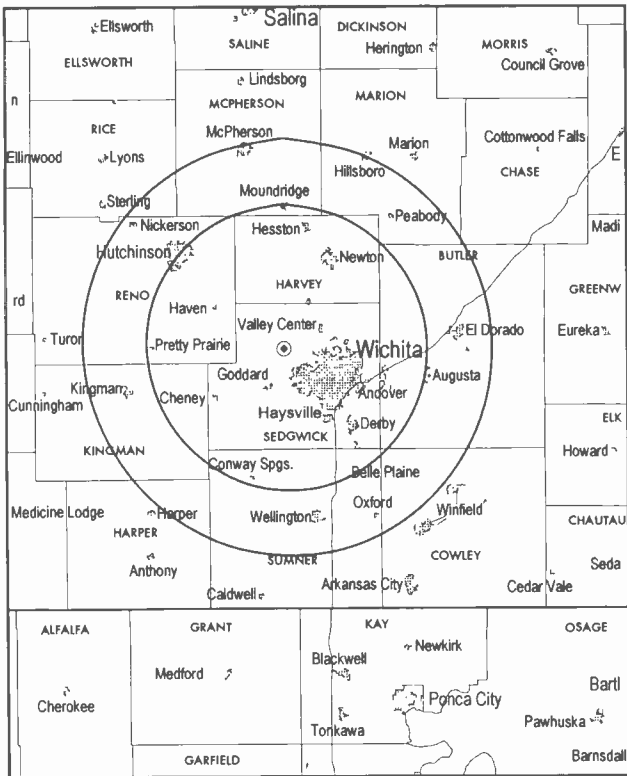


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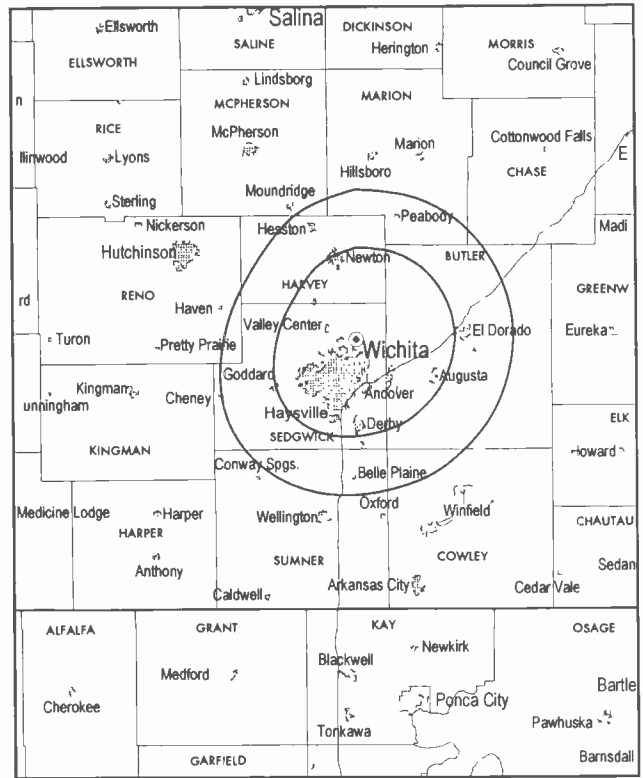


KZSN 102.1 100/1032

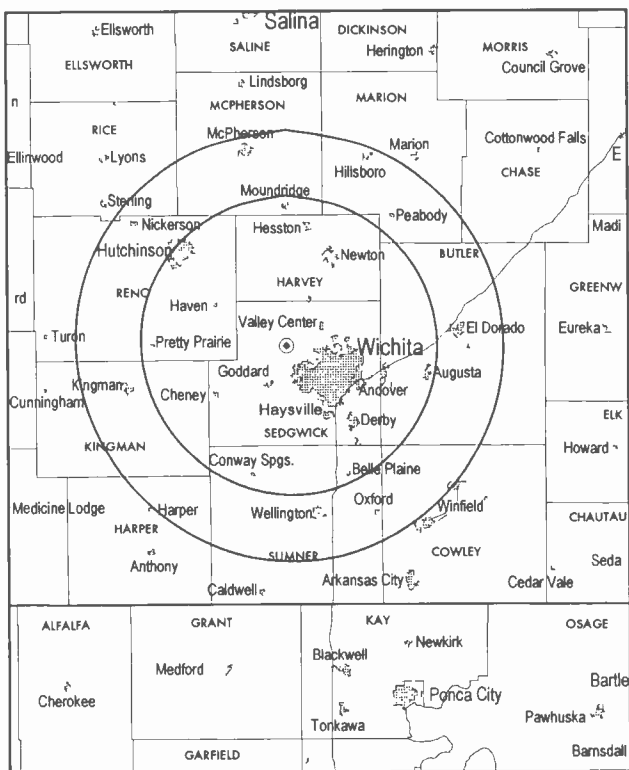
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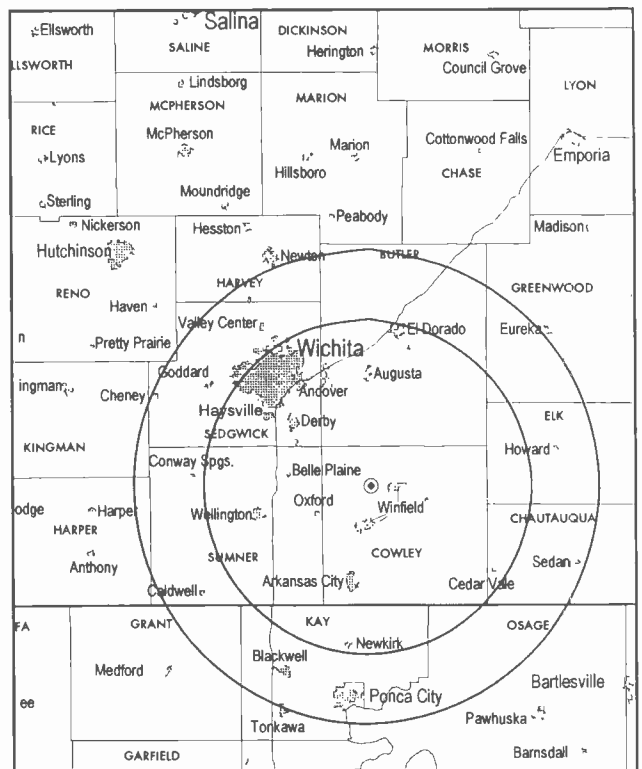
KEYN 103.7 100/860
 KKR 107.3 100/860



KLLS 104.5 45/515



KXLK 105.3 100/993



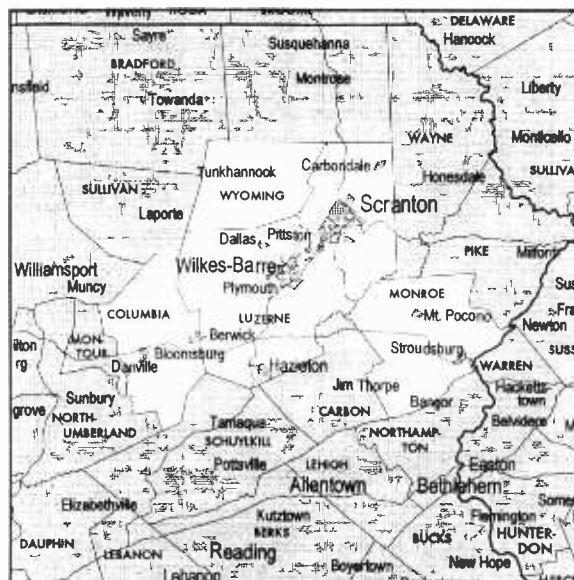
KYQQ 106.5 100/1280

WILKES - BARRE - SCRANTON

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WTZR Off PA 309, Penobscot Mtn. antenna farm, 4 mi. due S of downtown Wilkes-Barre City of License: Nanticoke, PA	L	92.1	A	0.28	No	1056	322	252	41 10 59	75 52 31
WMGS Penobscot Mtn. antenna farm City of License: Wilkes-Barre, PA	L	92.9	B	5.30	No	1383	422	504	41 10 57	75 52 22
WDLS Plymouth Mtn. Rd., 2.3 mi. N of Plymouth City of License: Dallas, PA	L	93.7	A	1.45	No	679	207	315	41 15 43	75 58 04
WSGD Atop Salem Hill in Moosic Mountains, Salem Rd., 2.4 mi. SE of Carbondale City of License: Carbondale, PA	L	94.3	A	1.10	No	771	235	115	41 32 37	75 27 44
WBHT On tower with WMGS 92.9, Penobscot Mtn. antenna farm City of License: Mountaintop, PA	L	97.1	A	0.25	No	1102	336	504	41 10 57	75 52 22
WZMT Nescopeck Mtn., E of PA 309, N of I-80, 12 mi. SW of Wilkes-Barre City of License: Hazelton, PA	L	97.9	B	19.50	Yes	729	222	100	41 04 55	75 56 55
WKRZ Wyoming Mtn., off PA 933, 1.2 mi. W of PA Tpk., SE of Wilkes-Barre City of License: Wilkes-Barre, PA	L	98.5	B	8.70	No	1172	357	432	41 11 56	75 49 06
WGGY Near top of Bald Mountain, W of Scranton City of License: Scranton, PA	L	101.3	B	7.00	No	1110	338	128	41 25 38	75 44 53
WWSH Armstrong Rd., Pittston City of License: Pittston, PA	L	102.3	A	3.00	No	71	22	236	41 18 20	75 45 38
WWDL Dewey Mountain, 3.8 mi. NW of Scranton City of License: Scranton, PA	L	104.9	A	0.27	No	1093	333	343	41 26 06	75 43 35
WHLM 2 mi. W of Bloomsburg City of License: Bloomsburg, PA	L	106.5	B	36.00	No	579	176	422	40 59 42	76 29 51
WEZX Bald Mountain, W of Scranton City of License: Scranton, PA	L	106.9	A	0.19	No	1267	386	185	41 25 41	75 44 50
WEZX CP Moosic Mountains, 1 mi. N of PA 502, S edge of Scranton, 4 mi S of downtown City of License: Scranton, PA	C	106.9	A	1.45	No	617	188	75	41 20 52	75 39 03

WILKES - BARRE - SCRANTON

Market overview/update: Since our last edition, there have been two new drop-ins the the market. WBHT, licensed to Mountaintop, is a Class A operating from the WMGS tower in the Penobscot Mountain antenna farm. WDLS is a new Class A operating from a hillside tower southwest of Wilkes-Barre. WTZR Nanticoke has upgraded to a site in the Penobscot Mountain antenna farm. WEZX Scranton is in the process of moving to Montage Mountain, across the valley from its present site on Bald Mountain. While the station will remain a Class A, the new site will allow a power jump from 190 watts to 1.45-kw, and the new site presents far fewer terrain obstructions toward Wilkes-Barre. With its Oldies format, WSGD Carbondale has been showing in the book regularly.



ARBITRON METRO AREA

WILKES - BARRE - SCRANTON



WTZR 92.1 280w/1056



WMGS 92.9 5.3/1383



WDLS 93.7 1.45/679



WSGD 94.3 1.1/771



WBHT 97.1 250w/1102



WZMT 97.9 19.5/729

WILKES - BARRE - SCRANTON



WKRZ 98.5 8.7/1172



WGGY 101.3 7/1110



WWSH 102.3 3/71



WWDL 104.9 270w/1093



WHLM 106.5 36/579



WEZX 106.9 190w/1267
WEZX CP 106.9 1.45/617

WILMINGTON

Call	Lic/CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WSTW On WDEL-AM 1150 tower, 2727 Shipley Rd., N of Wilmington City of License: Wilmington, DE	L	93.7	B	50.00	No	490	149	336	39 48 57	75 31 51
WDSO On WDOV- AM 1410 tower, Denny's Road, just W of US 13, 2.5 mil NW of Dover center City of License: Dover, DE	L	94.7	B	50.00	No	377	115	390	39 12 03	75 33 55
WJBR 2617 Ebright Rd., N of Wilmington (Highest point in Delaware: 442' AMSL at base of tower) City of License: Wilmington, DE	L	99.5	B	50.00	No	500	152	319	39 50 03	75 31 25

Market overview/update: No move-ins, no drop-ins. Minor changes: WJBR is no longer directional, and WDSO Dover has increased antenna height slightly.



ARBITRON METRO AREA



WSTW 93.7 50/490



WDSO 94.7 50/377



WJBR 99.5 50/500

YOUNGSTOWN

Call	Lic/ CP	Freq.	Class	ERP (kw)	DA?	HAAT (ft.)	HAAT (m)	Tower Ht. (ft.)	N Lat	W Long
WBBG WBBW-AM 1240 tower, 418 Knox Street, Youngstown City of License: Youngstown, OH	L	93.3	B	50.00	No	280	85	400	41 04 50	80 38 54
WICT 1 mi. N of US 62, Charleston, PA City of License: Grove City, PA	L	95.1	B	19.00	Yes	804	245	734	41 15 08	80 21 28
WWSY 1 mi. W of Masury, OH City of License: Sharpsville, PA	L	95.9	A	3.00	No	328	100	162	41 13 05	80 33 43
WKBN Ch. 27 tower, 3930 Sunset Blvd., Youngstown antenna farm area City of License: Youngstown, OH	L	98.9	B	5.90	No	1370	418	1432	41 03 24	80 38 44
WHOT 4040 Simon Rd., Youngstown antenna farm area, just S of Midlothian Blvd. City of License: Youngstown, OH	L	101.1	B	25.00	No	696	212	682	41 03 26	80 38 22
WRBP On PA 932, just N of US 422, New Bedford, PA City of License: Hubbard, OH	L	101.9	A	3.00	No	328	100	233	41 05 29	80 30 05
WYFM 2030 Pine Hollow Blvd., Sharon, PA City of License: Sharon, PA	L	102.9	B	44.00	No	456	139	537	41 13 10	80 28 25
WQXK 1700 Franklin St., SE side of Salem City of License: Salem, OH	L	105.1	B+	88.00	No	430	131	330	40 53 06	80 49 50
WNCD 3680 N. River Road, NE of Warren City of License: Niles, OH	L	106.1	A	3.00	No	328	100	447	41 15 52	80 45 35

Market overview/update: Since our last edition, two new signals and minor changes to existing signals. WICT a Class B in Grove City, PA now operates from a 734' tower in Charleston, PA. WRBP Hubbard, OH is a new A transmitting from New Bedford, PA. WHOT has moved from the Ch. 27 tower to its own 682' tower in the same general area. Theoretical coverage changed little. WYFM Sharon, PA is now running 44-kw, up from 26-kw. The station remains on the same 537' tower in Sharon.

YOUNGSTOWN



ARBITRON METRO AREA



WBBG 93.3 50/280



WCT 95.1 19/804



WWSY 95.9 3/328



WKBN 98.9 5.9/1370



WHOT 101.1 25/696

YOUNGSTOWN



WRBP 101.9 3/328



WYFM 102.9 44/456



WQXK 105.1 88/430



WNCD 106.1 3/328









