

WMAB-FM CHANNEL 210 (89.9 MHz)
CLASS C1 MINOR CHANGE IN
LICENSE APPLICATION
MISSISSIPPI STATE, MS
(MISSISSIPPI AUTHORITY FOR EDUCATIONAL TELEVISION)

KESSLER AND GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS

20090506

Prepared by William T. Godfrey, Jr.

KG&A

507 N.W. 60th Street, Suite C
Gainesville, Florida 32607



Kessler and Gehman Associates, Inc.

Telecommunications Consulting Engineers

ENGINEERING TECHNICAL STATEMENT PREPARED BY WILLIAM THOMAS GODFREY, JR. OF THE FIRM KESSLER AND GEHMAN ASSOCIATES, INC., TELECOMMUNICATIONS CONSULTING ENGINEERS IN CONNECTION WITH A MINOR CHANGE IN LICENSE APPLICATION TO MAKE CHANGES TO THE MISSISSIPPI AUTHORITY FOR EDUCATIONAL TELEVISION (MAET) LICENSE (BLED-20010302AAN) FOR THE WMAB-FM CHANNEL 210 CLASS C1, MISSISSIPPI STATE, MS NON-COMMERCIAL EDUCATIONAL FM BROADCAST FACILITY.

The firm Kessler and Gehman Associates, Inc. has been retained by the Mississippi Authority for Educational Television (MAET), Jackson, Mississippi, to prepare the engineering portion of a minor change in license application for the licensed WMAB-FM Channel 210 C1 NCE-FM broadcast facility (BLED-20010302AAN) requesting authorization to change antennas, change polarization, and slightly increase power to compensate for a 4.0 meter antenna height reduction.

Discussion

MAET is licensed to operate the WMAB-FM Channel 210 Class C1 NCE-FM broadcast facility with an Effective Radiated Power (ERP) of 63.0 kW at an antenna height radiation center of 267.0 meters Above Ground Level (AGL) using a “vertical only” polarized nondirectional 4-bay antenna. The WMAB-FM facility has been operating as a “vertical-only” station for years to protect the WABG-TV Channel 6 Greenwood, MS facility; however, WABG has permanently ceased operation on Channel 6 and is now operating permanently on Channel 32 which is its final post-transition DTV channel. Therefore, the WABG-TV Channel 6 facility is no longer an “affected” TV station pursuant to §73.525 of the FCC Rules since it no longer operates on Channel 6; accordingly, WMAB-FM is no longer required to protect WABG is no longer restricted to “vertical only” polarization.



The change in antennas from a 4-bay “vertical only” antenna to the proposed 8-bay circularly polarized antenna will result in a 4.0 meter antenna height reduction. To compensate for the decreased antenna height, MAET proposes to slightly increase the ERP from the licensed 63.0 kW to 64.3 kW so that it can continue to serve the same population that has enjoyed listening to WMAB-FM for many years. Accordingly, this minor change in license application requests authorization to make the following changes: 1) change antennas from a 4-bay nondirectional vertically polarized antenna to an 8-bay nondirectional circularly polarized antenna; 2) decrease the antenna height radiation center by 4.0 meters; 3) increase the ERP by 1.3 kW; and 4) change polarization from “vertical only” to circular.

Attached Figures

The following list is an index of enclosed figures produced by calculations and engineering studies for the proposed WMAB-FM Channel 210 C1 facility.

- 1) Proposed Engineering Specifications (Exhibit 1)
- 2) Antenna Data (Exhibit 2)
- 3) Support Structure Profile/Elevation View of Antenna System (Exhibit 3)
- 4) Antenna Vertical Pattern: 0° - 30° (Exhibit 4)
- 5) Antenna Vertical Pattern: 0° - 90° (Exhibit 5)
- 6) Antenna Vertical Pattern Tabulation (Exhibit 6)
- 7) USGS 7.5-minute topographic quadrangle map depicting the proposed transmitter location and coordinate lines (Exhibit 7)
- 8) WMAB-FM LIC vs. WMAB-FM Proposed Contour Map (Exhibit 8)
- 9) WMAB-FM Community of License Map (Exhibit 9)
- 10) FM Interference Study (Exhibit 10)
- 11) WMPR-FM Allocation Study (Exhibit 11)
- 12) WMAB-FM F(50,50) 60 dBu 3 arc second terrain data (Exhibit 12)



- 13) WMAB-FM F(50,10) 54 dBu 3 arc second terrain data (Exhibit 13)
- 14) WMPR-FM F(50,50) 60 dBu 3 arc second terrain data (Exhibit 14)
- 15) WMPR-FM F(50,10) 54 dBu 3 arc second terrain data (Exhibit 15)
- 16) Tuscaloosa, AL APP Allocation Study (Exhibit 16)
- 17) Tuscaloosa, AL APP F(50,50) 60 dBu 3 arc second terrain data (Exhibit 17)
- 18) Tuscaloosa, AL APP F(50,10) 54 dBu 3 arc second terrain data (Exhibit 18)
- 19) Itta Bena, MS CP Allocation Study (Exhibit 19)
- 20) Itta Bena, MS CP F(50,50) 60 dBu 3 arc second terrain data (Exhibit 20)
- 21) Itta Bena, MS CP F(50,10) 54 dBu 3 arc second terrain data (Exhibit 21)
- 22) West Helena, AR APP Allocation Study (Exhibit 22)
- 23) West Helena, AR APP F(50,50) 60 dBu 3 arc second terrain data (Exhibit 23)
- 24) West Helena, AR APP F(50,10) 40 dBu 3 arc second terrain data (Exhibit 24)
- 25) Lake Village, AR CP Allocation Study (Exhibit 25)
- 26) Lake Village, AR CP F(50,50) 60 dBu 3 arc second terrain data (Exhibit 26)
- 27) Lake Village, AR CP F(50,10) 40 dBu 3 arc second terrain data (Exhibit 27)
- 28) WMAB-FM F(50,10) 40 dBu 3 arc second terrain data (Exhibit 28)
- 29) TV Channel 6 Consent Letter (Exhibit 29)

Transmitter Location

The proposed nondirectional antenna for the WMAB-FM facility will be side-mounted on the WMAB-TV support structure with an antenna height radiation center of 263.0 meters AGL (Exhibit 3). The tower is registered with the FCC and the Antenna Structure Registration Number (ASRN) is 1041039. The antenna structure is located 2 km north of Highway 12 in Ackerman, MS.



Interference Studies & Allocation Studies

*****FCC Notification - Studies Were Prepared Using 3 Arc Second U.S. Terrain*****

Exhibit 10 is an FM interference study demonstrating that the proposed facility will have no unacceptable contour overlap with other FM licenses, construction permits or applications.

Exhibit 11 is an allocation study demonstrating that the proposed WMAB-FM F(50,10) 54.0 dBuV/m interfering contour will not overlap the licensed WMPR-FM F(50,50) 60.0 dBuV/m (1 mV/m) contour and that the licensed WMPR-FM F(50,10) 54.0 dBuV/m interfering contour will not overlap the proposed WMAB-FM F(50,50) 60.0 dBuV/m (1 mV/m) contour.

Since the FCC typically uses 30 arc second terrain data to evaluate FM applications, Exhibits 12-15 are included to provide the 3 arc second terrain data used in the calculations. Exhibit 12 depicts the 3 arc second terrain data used to plot the proposed WMAB-FM F(50,50) 60.0 dBu contour. Exhibit 13 depicts the 3 arc second terrain data used to plot the proposed WMAB-FM F(50,10) 54.0 dBu contour. Exhibit 14 depicts the 3 arc second terrain data used to plot the licensed WMPR-FM F(50,50) 60.0 dBu contour. Exhibit 15 depicts the 3 arc second terrain data used to plot the licensed WMAB-FM F(50,10) 54.0 dBu contour.

Exhibit 16 is an allocation study demonstrating that the proposed WMAB-FM F(50,10) 54.0 dBuV/m interfering contour will not overlap the proposed (pending application) Tuscaloosa, AL F(50,50) 60.0 dBuV/m (1 mV/m) contour and that the proposed (pending application) Tuscaloosa, AL F(50,10) 54.0 dBuV/m interfering contour will not overlap the proposed WMAB-FM F(50,50) 60.0 dBuV/m (1 mV/m) contour. Exhibit 17 depicts the 3 arc second terrain data used to plot the proposed (pending application) Tuscaloosa, AL F(50,50) 60.0 dBu contour and Exhibit 18 depicts the 3 arc second terrain data used to plot the proposed (pending application) Tuscaloosa, AL F(50,10) 54.0 dBu contour.



Exhibit 19 is an allocation study demonstrating that the proposed WMAB-FM F(50,10) 54.0 dBuV/m interfering contour will not overlap the authorized (CP) Itta Bena, MS F(50,50) 60.0 dBuV/m (1 mV/m) contour and that the authorized (CP) Itta Bena, MS F(50,10) 54.0 dBuV/m interfering contour will not overlap the proposed WMAB-FM F(50,50) 60.0 dBuV/m (1 mV/m) contour. Exhibit 20 depicts the 3 arc second terrain data used to plot the authorized (CP) Itta Bena, MS F(50,50) 60.0 dBu contour and Exhibit 21 depicts the 3 arc second terrain data used to plot the authorized (CP) Itta Bena, MS F(50,10) 54.0 dBu contour.

Exhibit 22 is an allocation study demonstrating that the proposed WMAB-FM F(50,10) 40.0 dBuV/m interfering contour will not overlap the proposed (pending application) West Helena, AR F(50,50) 60.0 dBuV/m (1 mV/m) contour and that the proposed (pending application) West Helena, AR F(50,10) 40.0 dBuV/m interfering contour will not overlap the proposed WMAB-FM F(50,50) 60.0 dBuV/m (1 mV/m) contour. Exhibit 23 depicts the 3 arc second terrain data used to plot the proposed (pending application) West Helena, AR F(50,50) 60.0 dBu contour and Exhibit 24 depicts the 3 arc second terrain data used to plot the proposed (pending application) West Helena, AR F(50,10) 40.0 dBu contour. The 3 arc second terrain data used to plot the proposed WMAB-FM F(50,10) 40.0 dBu contour can be seen by referring to Exhibit 28.

Exhibit 25 is an allocation study demonstrating that the proposed WMAB-FM F(50,10) 40.0 dBuV/m interfering contour will not overlap the authorized (CP) Lake Village, AR F(50,50) 60.0 dBuV/m (1 mV/m) contour and that the authorized (CP) Lake Village, AR F(50,10) 40.0 dBuV/m interfering contour will not overlap the proposed WMAB-FM F(50,50) 60.0 dBuV/m (1 mV/m) contour. Exhibit 26 depicts the 3 arc second terrain data used to plot the authorized (CP) Lake Village, AR F(50,50) 60.0 dBu contour and Exhibit 27 depicts the 3 arc second terrain data used to plot the authorized (CP) Lake Village, AR F(50,10) 40.0 dBu contour. Exhibit 28 depicts the 3 arc second terrain data used to plot the proposed WMAB-FM F(50,10) 40.0 dBu interfering contour.



TV Channel 6 Letter of Consent

The WABG-TV Channel 6 facility ceased operation on April 18, 2009. Exhibit 29 is a copy of the letter of consent from Commonwealth Broadcasting Group, Inc. (Commonwealth), licensee of the WABG-TV Channel 6 facility. The letter of consent states that WABG no longer operates on Channel 6 and that Commonwealth has no objection to the grant of this application. Therefore, the proposed WMAB-FM facility is not required to protect the WABG-TV Channel 6 station since it no longer operates on TV Channel 6.

Area and population Analysis

The predicted service population and service area count within the licensed WMAB-FM 1 mV/m contour (60.0 dBuV/m) is 227,175 persons and 15,245.25 sq. km respectively based on U.S. Census 2000 data. The predicted service population and service area count within the proposed WMAB-FM 1 mV/m contour (60.0 dBuV/m) is 226,273 persons and 15,207.06 sq. km respectively based on U.S. Census 2000 data. Therefore, the service population and service area loss based on the operation of the proposed WMAB-FM facility is predicted to be 902 persons and 38.19 sq. km respectively. Accordingly, the proposed WMAB-FM 1 mV/m contour will be fully encompassed by the licensed WMAB-FM 1 mV/m contour in all azimuthal directions and no new interference shall be caused to other stations.

Intermediate Frequency Interference (53rd & 54th Adjacent Channels)

The WMAB-FM site will meet all separation requirements pertaining to intermediate frequency ("IF") interference. The station with the narrowest gap with respect to distance from the WMAB-FM transmitter site is $(210 + 53 = \underline{263})$ & $210 + 54 = \underline{264})$ the licensed WBLE-FM Channel 263 Class C2 facility located approximately 127.2 km from the WMAB-FM transmitter site in Batesville, MS at North Latitude $32^{\circ} 22' 44''$ and West Longitude $89^{\circ} 45' 57''$ where a



separation of 26.5 km is required; therefore, the distance is easily met with a margin of 100.7 km.

FM Blanketing Interference

Blanketing is defined as interference to the reception of other broadcast stations which is caused by the presence of an FM broadcast signal of 115 dBu (562 mV/m) or greater signal strength in the area adjacent to the antenna of the transmitting station. The 115 dBu contour is referred to as the blanketing contour and the area within this contour is referred to as the blanketing area. The proposed WMAB-FM Channel 210 blanketing contour extends 2.82 km from its transmitter and it is understood that MAET must assume full financial responsibility for remedying new complaints of blanketing interference for a period of one year to all broadcast stations within the proposed WMAB-FM blanketing contour.

Environmental Impact

The proposed WMAB-FM Channel 210 Class C1 facility will have no significant environmental impact as defined in §1.1307 of the FCC Rules. The FM transmitter, transmission line and antenna system will produce a maximum ERP of 64.3 kW (circular polarization). It was determined that the maximum lobe of radiation from the base of the tower will occur at approximately 229.6 feet from the base of the tower (887.2-foot radial distance from the antenna center). At approximately 229.6 feet from the base of the tower, the depression angle of the main lobe will be approximately 75.0° below the horizontal. At that point, the relative field is 0.221 and the power density six feet above the ground will be approximately 0.00287 mW/cm². A power density of 0.00287 mW/cm² equates to only be 0.29% of the Maximum Permissible Exposure (MPE) limits for Occupational/Controlled Exposure and only 1.43% of the MPE limits for General Population/Uncontrolled Exposure authorized by the American National Standards Institute (ANSI).



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Since operation of the proposed WMAB-FM Channel 210 facility will not exceed 5.0% of the MPE limit for Occupational/Controlled Exposure or General Population/Uncontrolled Exposure at any point on the ground, the proposed WMAB-FM facility is not considered a “significant contributor” to the RF exposure environment pursuant to OET Bulletin 65, Edition 97-01. Therefore, contributions of exposure from other sources were not accounted for in this analysis. It is safe to conclude that the emissions will be insignificant and well within the maximum allowable requirements.


If other antennas are placed on the tower in the future, the applicant will cooperate with those users by reducing or completely terminating the power to the antenna when maintenance workers are in danger from electromagnetic radiation emanating from the antenna.

Certification

This technical statement was prepared by William T. Godfrey, Jr., Telecommunications Technical Consultant with Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida and has been working in the field of radio and television broadcast consulting since 1998. He graduated from the University of North Florida with a Bachelor of Arts degree in Criminal Justice and a minor in Mathematics in 1993. As a Professional in the field of Telecommunications he states under penalty of perjury that the information contained in this report is true and correct to the best of his knowledge and belief.



KESSLER AND GEHMAN ASSOCIATES, INC.


WILLIAM T. GODFREY, JR.
Telecommunications Technical Consultant

6 May, 2009

WMAB-FM CHANNEL 210 CLASS C1

Mississippi State, Mississippi

ENGINEERING SPECIFICATIONS

A. Transmitter Site:

Geographic coordinates (NAD27): **North Latitude** **33° 21' 14"**
West Longitude **89° 09' 00"**

Site Location: **2 km north of Highway 12 on east side of road
Ackerman, MS**

B. Licensee:

Mailing Address **3825 Ridgewood Road**
Jackson, MS 39211

C. Proposed Facility:

FM Channel	Number.....	210
	Frequency.....	89.9 MHz
	Class.....	C1

D. Antenna Height:

Height of Site Above Mean Sea Level (AMSL)	203.0 M
Overall Height of Structure Above Ground	333.0 M
(including all appurtenances)	
Overall Height of Structure Above Mean Sea Level	536.0 M
(including all appurtenances)	
Height of Site Above Average Terrain	60.5 M
Antenna Height Radiation Center (R/C) Above Ground	263.0 M
Antenna Height R/C Above Mean Sea Level	466.0 M
Antenna Height R/C Above Average Terrain	323.5 M
Average of All Non-Odd Radials	142.5 M

E. System Parameters –Circular Polarization:

Transmitter Power Required	18.1 kW
Maximum Power Input to Antenna	14.9 kW
Transmission Line Loss	0.84 dB
Transmission Line Efficiency	82.5%
RMS Gain at Main Lobe	6.34 dB
RMS Gain at Horizontal	6.34 dB
Maximum Effective Radiated Power	18.08 dBk
In Beam Maximum	64.3 kW
Maximum Effective Radiated Power	18.08 dBk
In Horizontal Plane	64.3 kW

WMAB-FM CHANNEL 210 CLASS C1

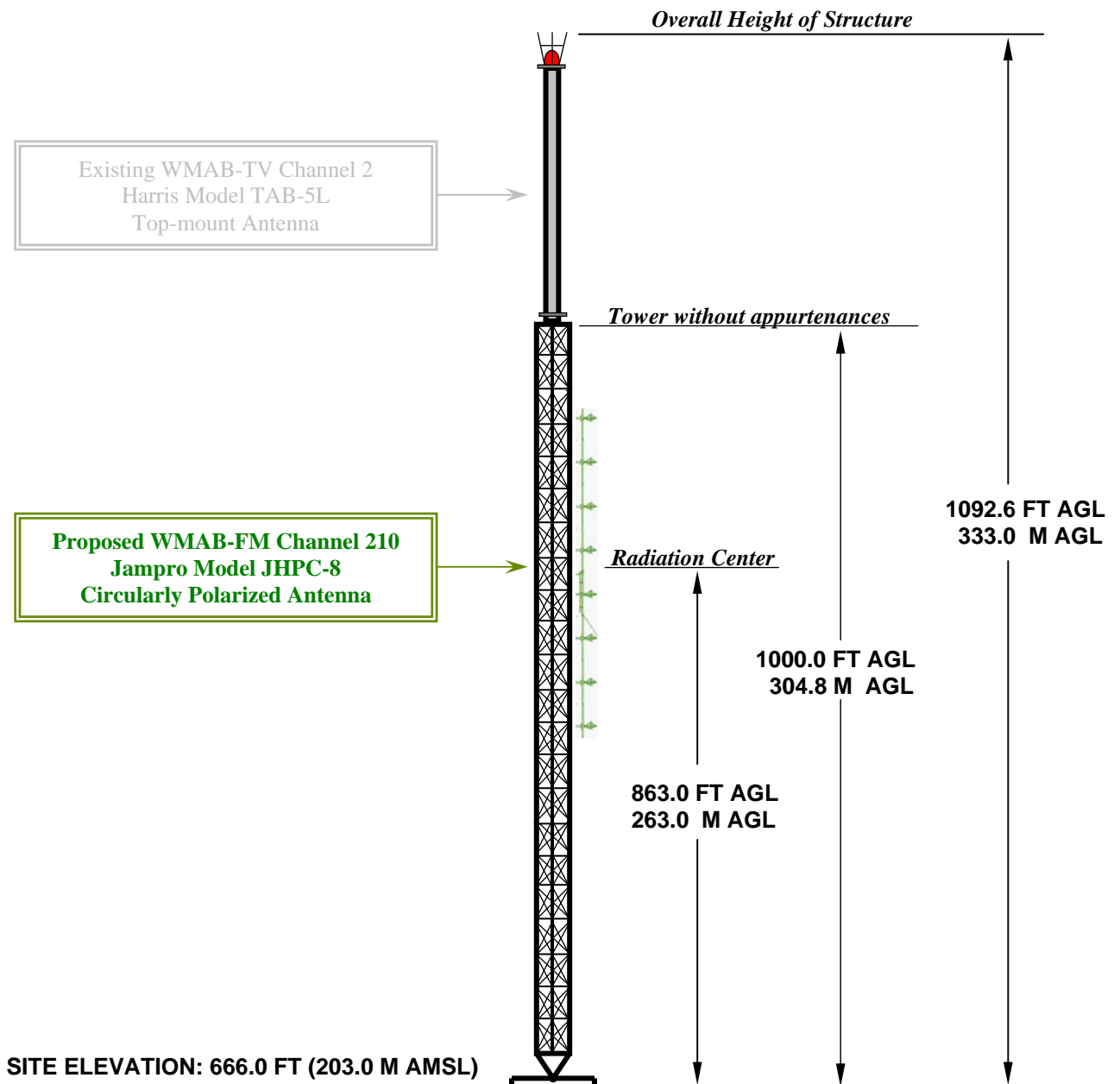
Mississippi State, Mississippi

DATA FOR PROPOSED NONDIRECTIONAL TRANSMITTING ANTENNA

- A. **Antenna:** Jampro Model JHPC-8 Side-Mount, Circularly Polarized Antenna.
- B. **Electrical Beam Tilt:** None
- C. **Mechanical Beam Tilt:** None
- D.

<u>RMS Gain</u>	<u>Circular Polarization</u>
Main Lobe:	4.3 (6.34 dB)
Horizontal:	4.3 (6.34 dB)
- E. **Length:** 76.6 feet (23.3 meters)
- F. **Transmitter Power Output (TPO):** 18.1 kW
- G. **Transmission Line:** 3-1/8" Rigid
- H. **Transmission Line Efficiency:** 82.5%
- I. **Transmission Line Length:** 950 feet
- J. **Transmission Line Loss:** 0.088 dB/100 ft
- K. **Transmission Line Attenuation:** 0.84 dB

PROPOSED WMAB-FM ELEVATION VIEW



OVERALL HEIGHT AGL: 333.0 M
OVERALL HEIGHT AMSL: 536.0 M
RADIATION CENTER AGL: 263.0 M
RADIATION CENTER AMSL: 466.0 M
RADIATION CENTER HAAT: 323.5 M
AVG OF ALL NON-ODD RADIALS: 142.5 M
SITE HAAT: 60.5 M

COORDINATES (NAD 27):

N. LATITUDE 33° 21' 14"

W. LONGITUDE 89° 09' 00"

Antenna Structure Registration Number:
1041039

NOTE: NOT TO SCALE

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507 N.W. 60th Street, Suite C
Gainesville, Florida 32607

WMAB-FM CHANNEL 210C1

Mississippi State, Mississippi

20090505

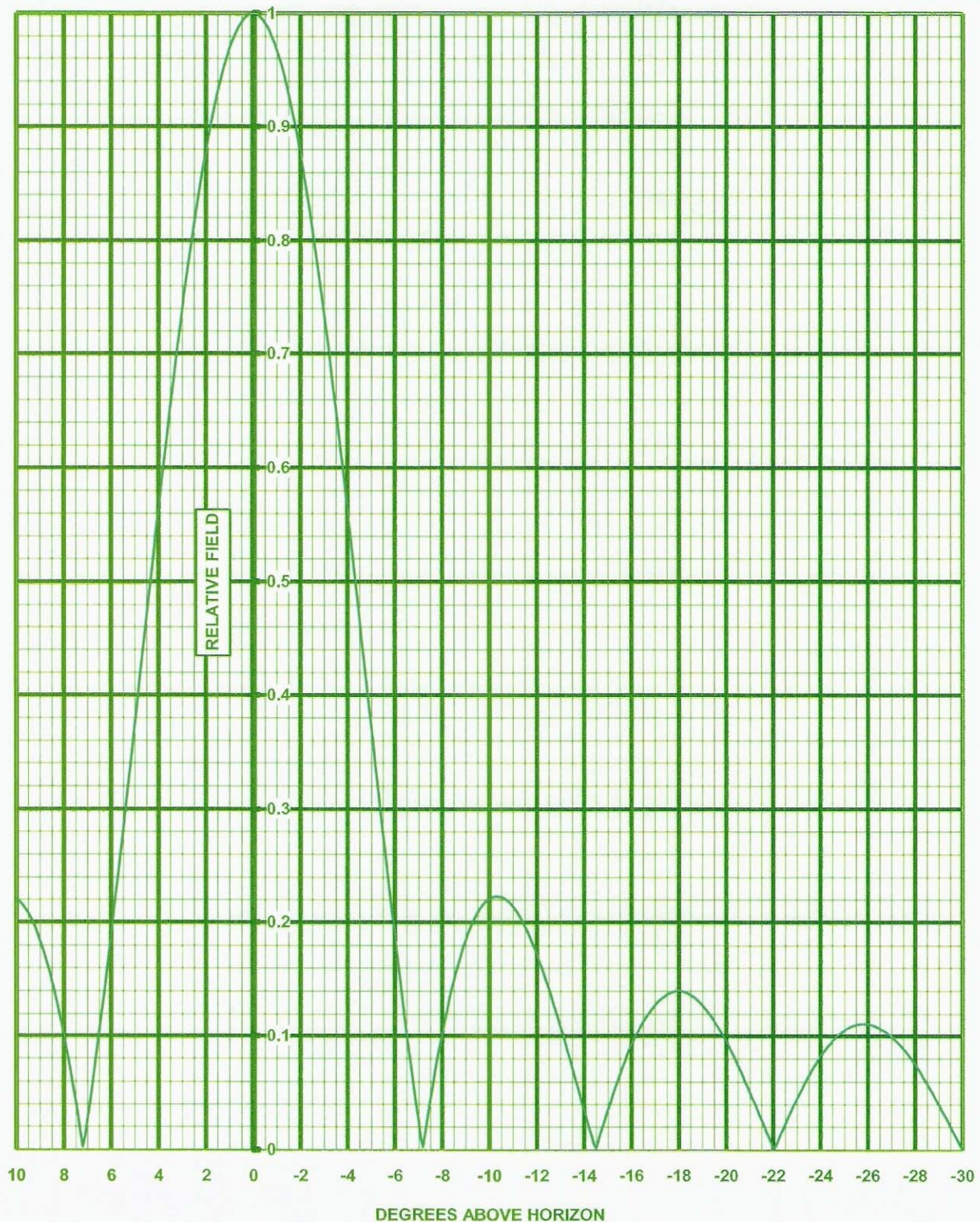
EXHIBIT 3



6340 Sky Creek Drive
Sacramento, California 95828 USA

Telephone (916) 383-1177
Fax (916) 383-1182

COMPUTED ELEVATION PATTERN



Customer: WMAB-FM
Site: Ackerman
Frequency: 89.9 MHz

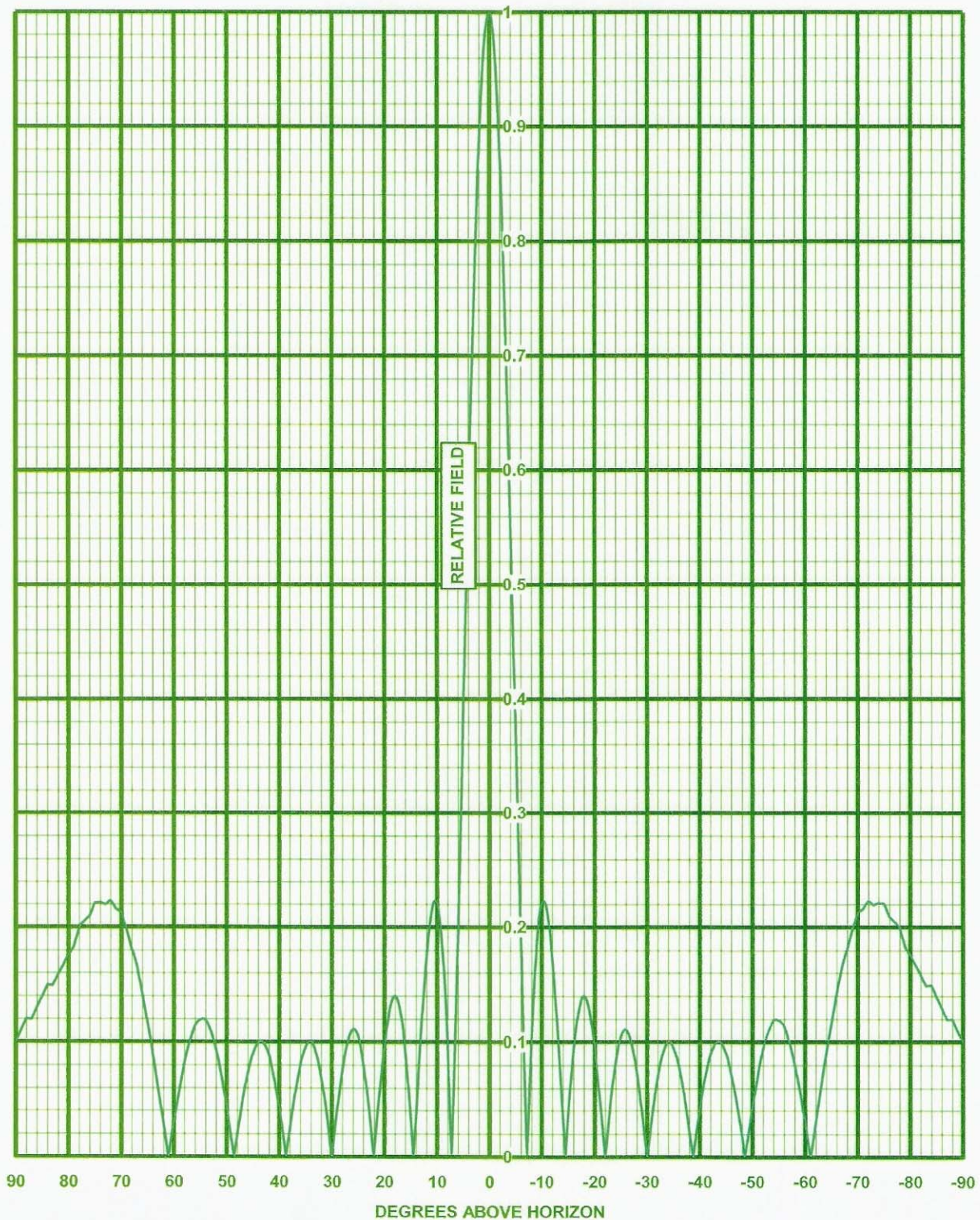
Model: JHPC-8
Description: FM Sidemount Antenna
-0° Beam Tilt, 0% Null Fill



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Sacramento, California 95828 USA

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COMPUTED ELEVATION PATTERN



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Elevation Pattern Tabulation

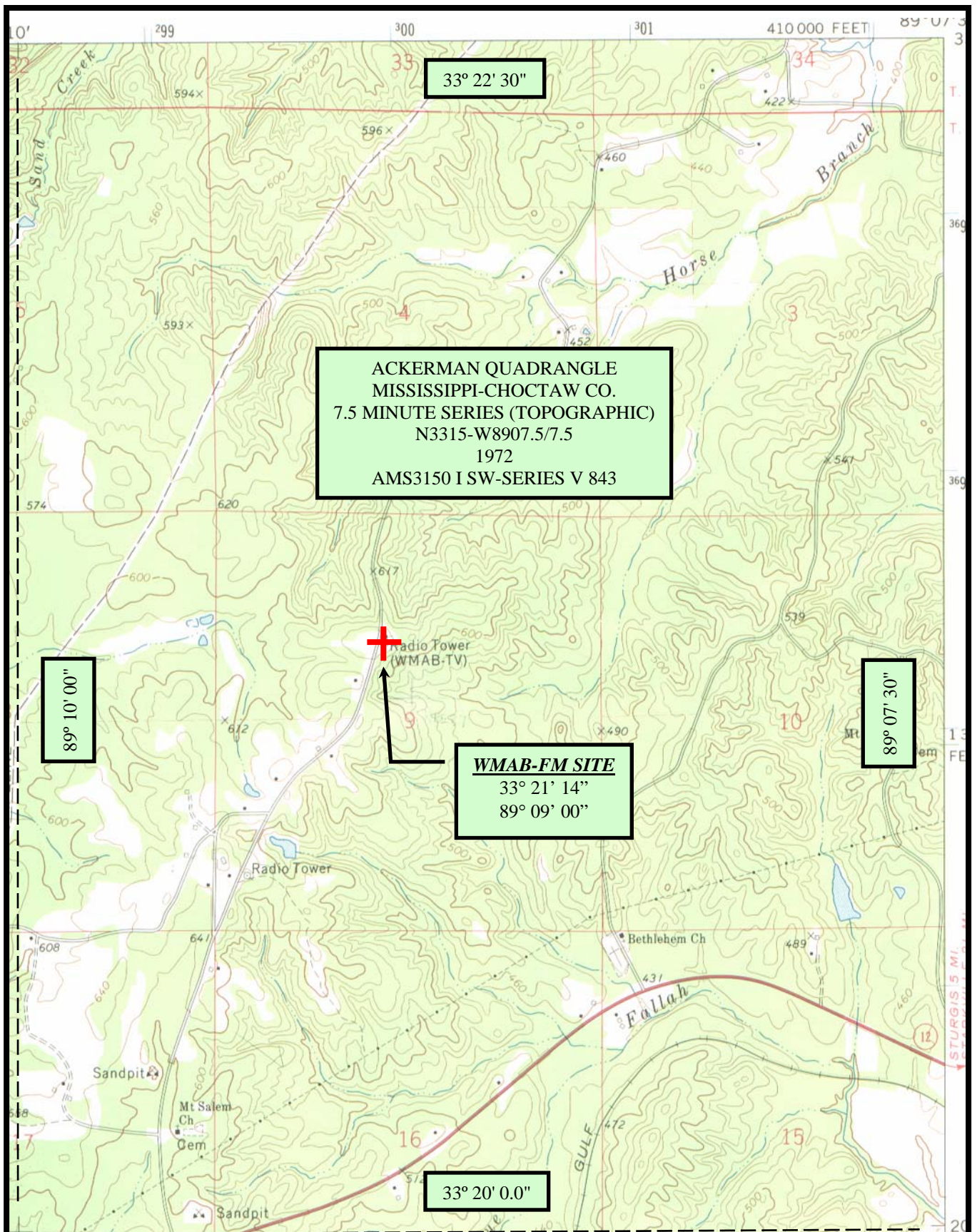
ELEVATION PATTERN TABULATION

RELATIVE FIELD VS ELEVATION ANGLE

<u>ELEVATION</u> <u>ANGLE</u>	<u>RELATIVE</u> <u>FIELD</u>	<u>ELEVATION</u> <u>ANGLE</u>	<u>RELATIVE</u> <u>FIELD</u>	<u>ELEVATION</u> <u>ANGLE</u>	<u>RELATIVE</u> <u>FIELD</u>
10	0.221	-26	0.111	-61	0.001
9	0.184	-27	0.099	-62	0.029
8	0.101	-28	0.075	-63	0.060
7	0.026	-29	0.040	-64	0.090
6	0.189	-30	0.000	-65	0.116
5	0.374	-31	0.038	-66	0.142
4	0.563	-32	0.069	-67	0.166
3	0.737	-33	0.091	-68	0.181
2	0.877	-34	0.100	-69	0.198
1	0.968	-35	0.095	-70	0.212
0	1.000	-36	0.079	-71	0.216
-1	0.968	-37	0.054	-72	0.223
-2	0.877	-38	0.023	-73	0.220
-3	0.737	-39	0.011	-74	0.221
-4	0.563	-40	0.043	-75	0.221
-5	0.374	-41	0.070	-76	0.210
-6	0.189	-42	0.090	-77	0.205
-7	0.026	-43	0.099	-78	0.200
-8	0.101	-44	0.099	-79	0.183
-9	0.184	-45	0.090	-80	0.176
-10	0.221	-46	0.072	-81	0.167
-11	0.214	-47	0.048	-82	0.158
-12	0.172	-48	0.018	-83	0.149
-13	0.109	-49	0.013	-84	0.150
-14	0.035	-50	0.044	-85	0.140
-15	0.036	-51	0.071	-86	0.130
-16	0.093	-52	0.094	-87	0.120
-17	0.128	-53	0.109	-88	0.120
-18	0.140	-54	0.119	-89	0.110
-19	0.128	-55	0.119	-90	0.100
-20	0.095	-56	0.114		
-21	0.051	-57	0.100		
-22	0.001	-58	0.082		
-23	0.046	-59	0.057		
-24	0.082	-60	0.031		
-25	0.105				

Customer: WMAB-FM
Site: Ackerman
Frequency: 89.9 MHz

Model: JHPC-8
Description: FM Sidemount Antenna
-0° Beam Tilt, 0% Null Fill

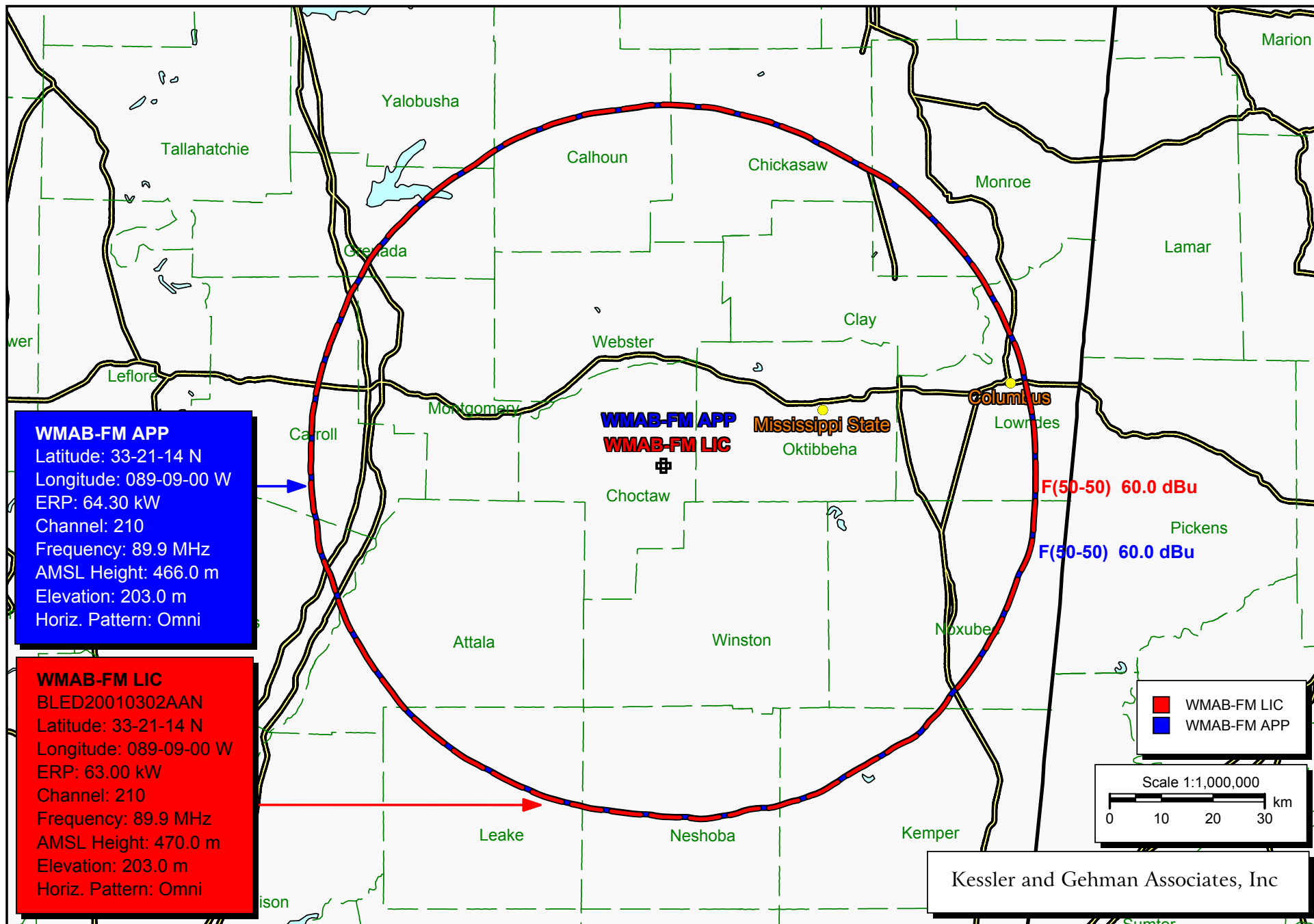


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507 N.W. 60th Street, Suite C
Gainesville, Florida 32607

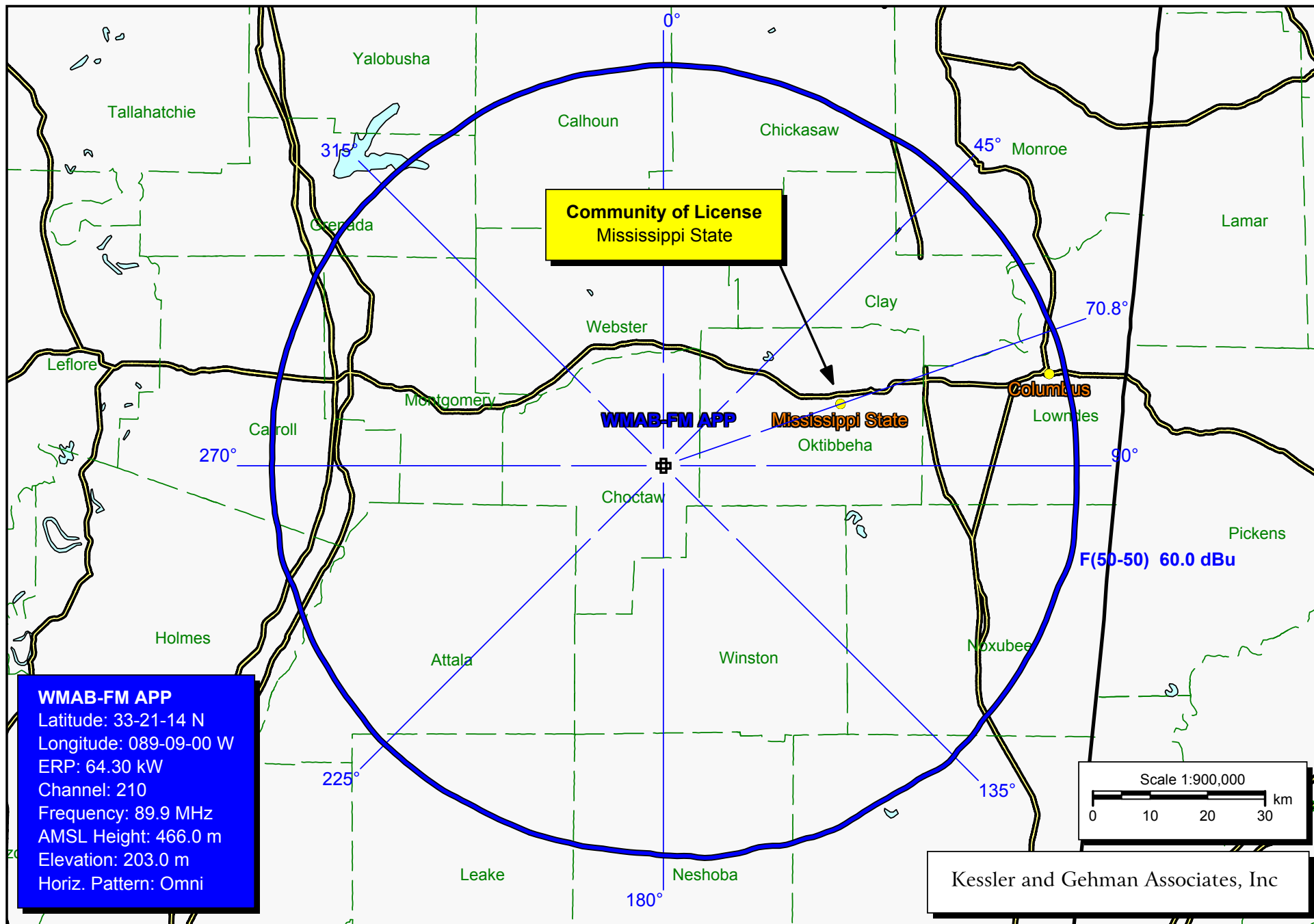
WMAB-FM CHANNEL 210
Mississippi State, Mississippi

20090505

EXHIBIT 7



WMAB-FM (LIC) 60 dBu Contour (dashed red) vs. WMAB-FM (APP) 60 dBu Contour (Blue)



Proposed WMAB-FM F(50,50) 60 dBu Contour

Kessler and Gehman Associates, Inc.
Telecommunications Consulting Engineers

Mississippi Authority For Educational Television
NCE-FM Interference Study
CH# 210C1 - 89.9 MHz, Pwr= 64.3 kW, HAAT= 323.5 M, COR= 466 M
Average Protected F(50-50)= 69.66 km
Omni-directional

REFERENCE
33 21 14.0 N.
89 09 00.0 W.

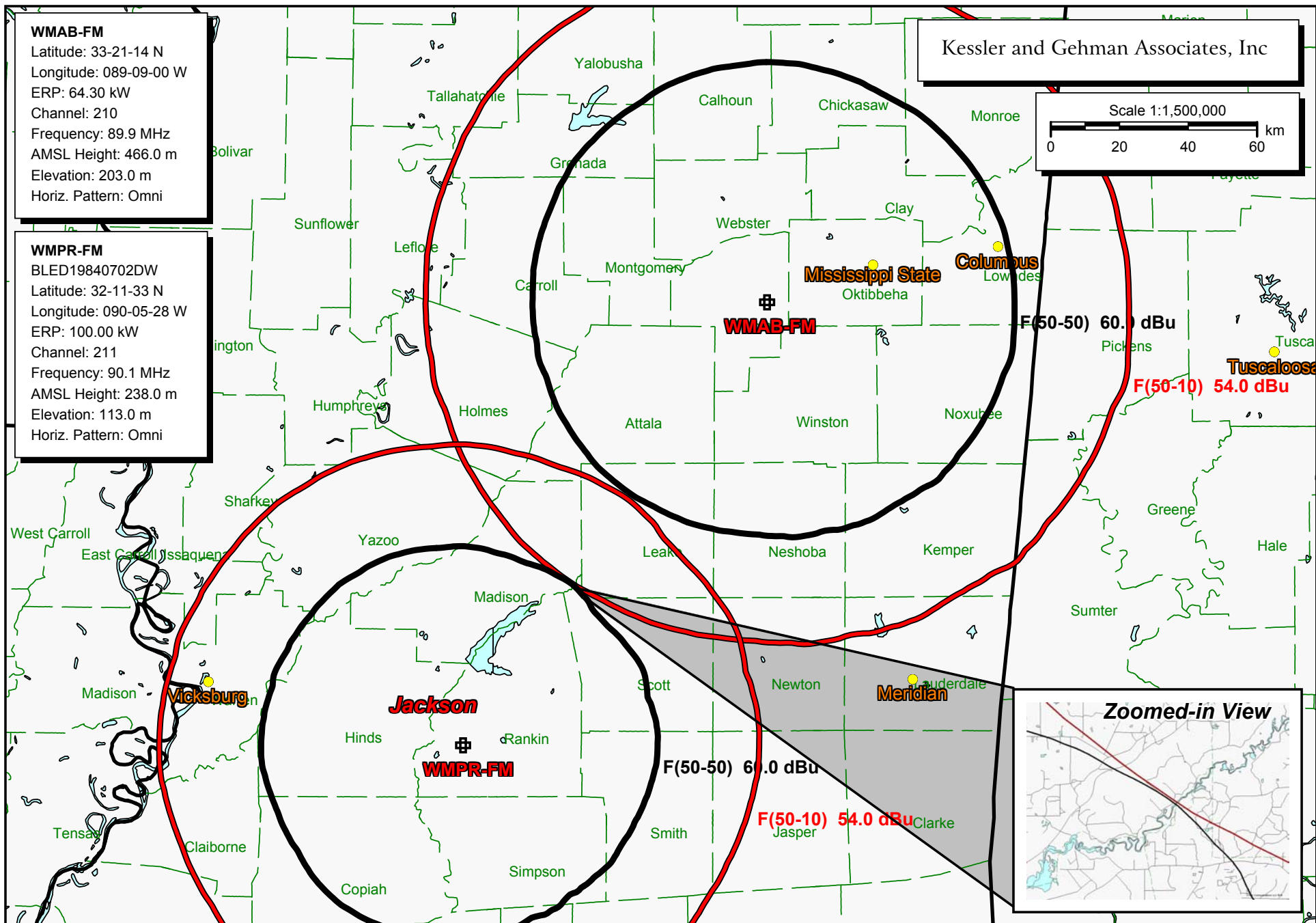
DISPLAY DATES
DATA 05-06-09
SEARCH 05-06-09

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (Overlap in km)
210C1 Mississippi State	WMAB-FM	LIC MS	_V_	0.0 0.0	0.0 BLED20010302AAN	33 21 14.0 89 09 00.0	63.000 327	164.1 470	69.9 Mississippi Authority For	-233.8*	-233.8*
210C1 Mississippi State	WMAB-FM	APP MS	_CX	0.0 0.0	0.0 BPED20090113AAU	33 21 14.0 89 09 00.0	64.300 324	164.0 466	69.8 Mississippi Authority For	-233.8*	-233.8*
06+2C Greenwood	WABG-TV	LIC MS	_CY	271.3 90.6	129.4 BLCT20040510ABH	33 22 23.0 90 32 25.0	100.000 597	59.5 632	128.0 Commonwealth Broadcasting	195.5R	-58.0M
211C1 Jackson	WMPR	LIC MS	_CN	214.5 34.0	156.1 BLED19840702DW	32 11 33.0 90 05 28.0	100.000 137	86.1 238	56.6 J. c. Maxwell Broadcasting	1.7	0.1
209C1 Tuscaloosa	1229986	APP AL	DVX	82.6 263.4	142.2 BNPED20071018AQA	33 30 32.0 87 37 55.0	100.000 138	54.4 255	36.2 The Board Of Trustees Of T	15.9	0.8
209A Itta Bena	NEW	CP MS	DCX	279.7 99.0	112.5 BNPED20071019AWB	33 31 05.0 90 20 37.0	6.000 90	17.4 125	11.9 Enterprise Corporation Of	26.6	1.0
210A West Helena	NEW	CP AR	DCX	314.5 133.7	187.9 BNPED20071019ASB	34 31 48.0 90 36 46.0	4.000 86	76.4 140	23.8 Hope Radio	42.5	1.5
210C1 Lake Village	NEW	CP AR	DEX	263.9 82.7	205.3 BNPED20071017AFD	33 08 16.0 91 20 15.0	100.000 78	133.1 111	42.6 New Dimensions Development	4.2	1.6
209C3 Cordova	1215951	APP AL	_VX	75.4 256.3	151.8 BNPED20071022BGD	33 41 15.6 87 33 53.9	22.000 92	61.8 249	40.8 Bible Christian Society	18.2	6.0
209C1 Carbon Hill	KRLE	APP AL	DEX	64.3 245.1	153.7 BMAPED20071018AKM	33 56 37.0 87 39 02.0	70.000 88	65.0 265	41.6 Educational Media Foundati	17.2	7.8
209C3 Northport	1210401	APP AL	DEX	88.6 269.5	143.1 BNPED20071015AHN	33 22 31.5 87 36 45.9	20.000 68	48.6 171	30.0 Way-fm Media Group, Inc	22.7	8.0
213C2 Columbus	WCSO	LIC MS	DVX	90.4 270.9	85.2 BLED20060912AAH	33 20 44.0 88 14 06.0	10.000 162	4.1 232	41.5 American Family Associatio	9.2	34.0
211C2 Hamilton	1146920	APP AL	_CX	50.5 231.1	138.4 BNPED20071015ABY	34 08 26.0 87 59 25.0	28.000 33	42.6 202	26.1 After His Heart Communicat	25.1	9.4
211A Hamilton	1214929	APP AL	NCX	50.5 231.1	137.2 BNPED20071022ALA	34 08 00.0 88 00 00.0	6.000 68	37.5 234	24.5 Glen Iris Baptist School	29.0	9.8
209A Berry	1214869	APP AL	_CX	83.8 264.6	144.6 BNPED20071022ALB	33 29 05.0 87 36 11.0	6.000 100	45.6 217	29.5 Glen Iris Baptist School	27.1	9.9
209C1 Waynesboro	WZKM	LIC MS	_CX	171.2 351.3	170.3 BLED20030912ABB	31 50 09.0 88 52 21.0	67.000 177	84.2 265	56.6 American Family Associatio	17.4	13.8
210C3 Memphis	WEVL	LIC TN	_CX	343.3 163.0	207.5 BLED20020520ABB	35 08 37.0 89 48 22.0	4.800 116	85.7 210	28.7 Southern Communication Vol	52.4	15.5
209C3 Carbon Hill	1163095	APP AL	_VX	72.1 253.0	158.5 BNPED20071015AGU	33 46 51.0 87 31 17.0	11.000 124	53.5 283	35.1 Wilbur Gospel Communicatio	33.1	18.3
212A Dekalb	1290734	APP MS	_VX	150.6 330.8	90.4 BNPED20071019AKZ	32 38 37.0 88 40 29.0	2.000 112	2.0 218	21.8 Catholic Radio Network, In	18.7	59.3
213C1 Madison	WQVI	LIC MS	DVX	221.6 41.2	94.7 BLED20080429AAF	32 42 51.0 89 49 19.0	60.000 131	4.4 225	41.9 American Family Associatio	21.9	43.7
207C2 Carrollton	WALN	LIC AL	_VN	98.5 279.0	99.3 BLED19951026KE	33 13 06.0 88 05 46.0	9.500 213	4.3 291	43.9 American Family Associatio	22.7	45.6
Vertical Polarization Only To Channel 206C2, Parrish, AL.											
210C3 Sheffield	WAKD	LIC AL	DVX	40.1 220.9	216.6 BLED20060130APV	34 50 11.0 87 37 20.0	7.400 72	89.0 242	28.8 American Family Associatio	57.3	22.7
208C2 Yazoo City	WYAZ	LIC MS	DVX	230.4 50.0	96.1 BLED20051201AHG	32 48 04.0 89 56 32.0	25.000 158	4.8 242	45.0 American Family Associatio	23.0	42.0
212C Oxford	WMAV-FM	LIC MS	_V_	333.9 153.6	116.0 BLED20010302AAM	34 17 28.0 89 42 21.0	100.000 378	11.4 487	78.7 Mississippi Authority For	35.4	28.1
209A Tuscaloosa	1213746	APP AL	DVX	101.5 282.3	151.5 BNPED20071022ALG	33 04 25.0 87 33 35.0	2.000 63	22.3 129	14.9 Family Stations, Inc.	56.5	30.0

Page # 2

CH CI TY	CALL	TYPE STATE	ANT	AZI <--	DI ST FI LE #	LAT LNG	PWR(kW) HAAT (M)	INT(km) COR (M)	PRO(km) LI CENSEE	*IN* (Overl ap in km)	*OUT*
06-2C WBRC Bi rmi ngham		LI _CY AL		85. 4 266. 7	219. 1 BLCT19880229KI	33 29 19. 0 86 47 58. 0	100. 000 420	64. 4 615	115. 4 Wbrc Li cense	195. 5R Subsidi ary, L	39. 4M
211C2 WDLG Thomasvi lle		CP _CX AL		135. 5 316. 2	190. 1 BPED20070907AFW	32 07 34. 0 87 44 02. 0	10. 000 205	64. 2 277	43. 5 Nationwi de Inspi rationa l B	54. 4	42. 2
209C1 1213595 Jasper		APP _HX AL		64. 3 245. 3	180. 4 BNPED20071017AER	34 02 41. 0 87 23 17. 0	12. 000 95	52. 0 293	33. 6 Joy Christi an Communi cati o	56. 9	42. 5
06 2C WUOA Tuscal oosa		CPM _CN AL		85. 6 266. 8	218. 5 BMPCDT20081028AAZ	33 29 02. 0 86 48 21. 0	26. 000 395	64. 4 586	97. 2 The Board Of Trustees Of T	195. 5R	57. 0M
209C3 1214248 Arley		APP _EX AL		65. 4 246. 5	200. 4 BNPED20071019AUU	34 05 16. 0 87 10 27. 0	20. 000 61	43. 8 258	27. 2 Trini ty Christi an Academy	85. 1	68. 8
210A 1196918 Mcintosh		APP _CX AL		150. 9 331. 6	254. 8 BNPED20071015ABX	31 20 28. 0 87 50 43. 0	4. 000 91	74. 3 109	21. 8 Tbta Mini stries	110. 8	69. 1
209A 1214428 Moul ton		APP DCX AL		120. 8 301. 8	201. 5 BNPED20071019AGY	32 24 44. 0 87 18 30. 0	12. 000 109	41. 3 330	27. 3 Southern Cul tural Foundati	88. 7	69. 8

Terrain database is USGS 03 SEC , R= 73. 215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference zone = , Co to 3rd adjacent.
 Ant Column: (D= DA Standard, Z= DA 73. 215, N= Not DA 73. 215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
 "*"affixed to 'IN' or 'OUT' values = site inside protected contour.
 "<" = Contour Overlap



WMAB-FM (Proposed) & WMPR-FM (License) Allocation Study

Proposed WMAB-FM F(50,50) 60.0 dBuV/m Terrain Data

Call Letters: WMAB-FM
Latitude: 33-21-14 N
Longitude: 089-09-00 W
ERP: 64.30 kW
Channel: 210
Frequency: 89.9 MHz
AMSL Height: 466.0 m
Elevation: 203.0 m
HAAT: 323.5 m
Horiz. Antenna Pattern: Omni

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
Field Strength: 60.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	69.8	324.7
1.0	69.8	324.9
2.0	69.7	324.4
3.0	69.7	324.3
4.0	69.7	324.2
5.0	69.7	323.8
6.0	69.7	324.5
7.0	69.8	325.4
8.0	69.8	325.6
9.0	69.8	324.8
10.0	69.7	323.3
11.0	69.6	322.1
12.0	69.5	321.7
13.0	69.5	321.2
14.0	69.5	320.7
15.0	69.5	321.3
16.0	69.5	321.5
17.0	69.5	321.6
18.0	69.5	321.2
19.0	69.4	320.5
20.0	69.4	320.1
21.0	69.4	320.1
22.0	69.4	320.3
23.0	69.5	320.7
24.0	69.4	320.0
25.0	69.3	318.0
26.0	69.2	317.1
27.0	69.2	317.7
28.0	69.2	317.2
29.0	69.2	317.1
30.0	69.2	317.5
31.0	69.3	318.0
32.0	69.3	318.9
33.0	69.4	320.2
34.0	69.5	321.2
35.0	69.6	323.0

Proposed WMAB-FM F(50,50) 60.0 dBuV/m Terrain Data

36.0	69.8	326.0
37.0	70.0	328.1
38.0	70.2	330.4
39.0	70.3	331.7
40.0	70.3	332.3
41.0	70.3	332.6
42.0	70.4	333.6
43.0	70.4	333.9
44.0	70.4	334.0
45.0	70.5	334.4
46.0	70.5	335.1
47.0	70.6	335.9
48.0	70.6	337.0
49.0	70.7	337.1
50.0	70.7	337.3
51.0	70.8	338.7
52.0	70.8	339.5
53.0	70.9	340.8
54.0	71.0	341.9
55.0	71.1	343.3
56.0	71.2	344.3
57.0	71.2	344.8
58.0	71.3	345.5
59.0	71.3	346.3
60.0	71.4	347.0
61.0	71.4	347.2
62.0	71.4	347.1
63.0	71.4	347.9
64.0	71.5	348.8
65.0	71.6	349.6
66.0	71.6	349.7
67.0	71.6	349.8
68.0	71.6	349.9
69.0	71.7	351.0
70.0	71.8	352.5
71.0	71.9	354.0
72.0	71.9	354.9
73.0	71.9	354.9
74.0	71.9	354.8
75.0	71.9	354.4
76.0	71.8	353.4
77.0	71.8	352.6
78.0	71.8	352.4
79.0	71.8	352.8
80.0	71.8	353.4
81.0	71.9	354.2
82.0	71.9	355.0
83.0	72.0	355.6
84.0	72.0	355.6
85.0	72.0	355.3
86.0	71.9	355.0
87.0	71.9	354.7
88.0	71.9	354.6
89.0	71.9	354.5
90.0	71.9	354.6
91.0	71.9	354.9
92.0	72.0	355.1

Proposed WMAB-FM F(50,50) 60.0 dBuV/m Terrain Data

93.0	72.0	355.9
94.0	72.1	356.9
95.0	72.1	357.8
96.0	72.2	358.4
97.0	72.2	359.0
98.0	72.3	360.1
99.0	72.4	361.6
100.0	72.6	363.8
101.0	72.7	365.1
102.0	72.7	365.5
103.0	72.7	365.1
104.0	72.6	363.7
105.0	72.4	360.9
106.0	72.1	357.4
107.0	71.9	354.1
108.0	71.8	353.2
109.0	71.8	353.2
110.0	71.8	353.1
111.0	71.8	353.0
112.0	71.8	353.5
113.0	71.8	353.0
114.0	71.8	353.0
115.0	71.8	352.8
116.0	71.7	352.2
117.0	71.7	351.4
118.0	71.6	349.7
119.0	71.6	349.9
120.0	71.6	350.0
121.0	71.5	349.1
122.0	71.5	348.6
123.0	71.5	348.2
124.0	71.4	347.2
125.0	71.3	346.6
126.0	71.3	346.0
127.0	71.2	344.7
128.0	71.1	343.0
129.0	71.1	343.4
130.0	71.3	346.0
131.0	71.4	347.4
132.0	71.4	347.7
133.0	71.3	346.5
134.0	71.3	345.8
135.0	71.5	348.9
136.0	71.6	350.4
137.0	71.5	348.9
138.0	71.3	345.4
139.0	70.9	340.0
140.0	70.5	335.4
141.0	70.3	332.4
142.0	70.3	332.0
143.0	70.2	330.6
144.0	70.0	327.6
145.0	69.8	325.7
146.0	69.8	325.3
147.0	69.7	323.5
148.0	69.6	322.6
149.0	69.6	322.8

Proposed WMAB-FM F(50,50) 60.0 dBuV/m Terrain Data

150.0	69.6	323.0
151.0	69.8	324.8
152.0	69.8	325.3
153.0	69.9	326.9
154.0	70.0	327.9
155.0	70.0	327.6
156.0	69.8	325.6
157.0	69.8	325.4
158.0	69.7	324.2
159.0	69.5	320.9
160.0	69.4	320.0
161.0	69.4	320.1
162.0	69.4	319.5
163.0	69.2	317.1
164.0	68.8	312.4
165.0	68.6	309.1
166.0	68.5	307.2
167.0	68.5	307.7
168.0	68.7	310.1
169.0	68.7	310.7
170.0	68.7	310.4
171.0	68.7	310.2
172.0	68.7	310.9
173.0	68.7	311.0
174.0	68.7	309.9
175.0	68.4	307.0
176.0	68.1	302.7
177.0	68.0	301.3
178.0	68.0	301.0
179.0	67.9	299.8
180.0	67.9	299.1
181.0	67.7	297.6
182.0	67.5	295.0
183.0	67.5	294.9
184.0	67.5	295.1
185.0	67.5	295.0
186.0	67.5	294.6
187.0	67.5	294.5
188.0	67.5	294.4
189.0	67.5	294.4
190.0	67.6	295.3
191.0	67.6	296.4
192.0	67.7	297.4
193.0	67.7	297.1
194.0	67.7	296.5
195.0	67.7	297.4
196.0	67.8	298.2
197.0	67.8	298.8
198.0	67.9	299.2
199.0	67.9	300.0
200.0	68.0	300.7
201.0	67.9	300.1
202.0	67.9	299.4
203.0	67.8	299.0
204.0	67.9	299.7
205.0	67.9	299.8
206.0	67.9	299.4

Proposed WMAB-FM F(50,50) 60.0 dBuV/m Terrain Data

207.0	67.9	299.6
208.0	67.9	299.6
209.0	67.9	299.1
210.0	67.9	299.7
211.0	68.0	301.0
212.0	68.0	301.5
213.0	68.2	303.3
214.0	68.3	304.8
215.0	68.3	305.2
216.0	68.3	305.3
217.0	68.4	305.8
218.0	68.4	305.9
219.0	68.4	305.8
220.0	68.4	306.2
221.0	68.4	307.0
222.0	68.4	306.8
223.0	68.5	307.5
224.0	68.5	307.8
225.0	68.6	308.9
226.0	68.6	309.6
227.0	68.6	308.9
228.0	68.5	308.2
229.0	68.4	307.0
230.0	68.3	305.4
231.0	68.3	305.0
232.0	68.3	304.5
233.0	68.3	304.6
234.0	68.3	304.9
235.0	68.3	304.8
236.0	68.2	304.4
237.0	68.3	304.5
238.0	68.2	303.7
239.0	68.2	303.2
240.0	68.2	303.5
241.0	68.2	304.3
242.0	68.3	304.7
243.0	68.3	304.8
244.0	68.2	304.2
245.0	68.1	303.0
246.0	68.1	302.1
247.0	68.0	301.3
248.0	68.0	300.5
249.0	67.9	299.1
250.0	67.8	298.1
251.0	67.7	297.3
252.0	67.7	297.7
253.0	68.0	300.6
254.0	68.1	302.2
255.0	68.3	304.7
256.0	68.4	305.8
257.0	68.3	305.5
258.0	68.2	304.3
259.0	68.1	302.0
260.0	67.9	300.2
261.0	67.9	300.0
262.0	68.1	301.9
263.0	68.1	302.9

Proposed WMAB-FM F(50,50) 60.0 dBuV/m Terrain Data

264.0	68.1	302.3
265.0	68.1	302.9
266.0	68.1	303.0
267.0	68.2	303.1
268.0	68.1	302.7
269.0	68.2	303.2
270.0	68.2	303.4
271.0	68.1	302.3
272.0	68.1	302.8
273.0	68.2	303.5
274.0	68.2	303.6
275.0	68.2	304.4
276.0	68.3	305.6
277.0	68.4	306.5
278.0	68.5	308.3
279.0	68.5	308.0
280.0	68.5	307.5
281.0	68.5	308.2
282.0	68.6	308.6
283.0	68.5	308.3
284.0	68.5	308.4
285.0	68.6	308.9
286.0	68.6	308.8
287.0	68.6	309.2
288.0	68.6	309.0
289.0	68.5	308.1
290.0	68.6	309.0
291.0	68.6	308.6
292.0	68.5	308.4
293.0	68.6	308.5
294.0	68.6	308.5
295.0	68.6	309.2
296.0	68.7	309.8
297.0	68.7	311.1
298.0	68.9	313.2
299.0	69.0	314.9
300.0	69.0	314.4
301.0	69.0	314.2
302.0	69.0	314.3
303.0	69.1	315.4
304.0	69.2	317.6
305.0	69.4	319.3
306.0	69.4	319.6
307.0	69.4	319.5
308.0	69.3	318.5
309.0	69.2	317.4
310.0	69.2	317.6
311.0	69.2	317.6
312.0	69.1	316.3
313.0	69.0	314.6
314.0	69.0	314.9
315.0	69.0	315.0
316.0	69.0	314.8
317.0	69.0	314.9
318.0	69.0	314.6
319.0	69.0	314.1
320.0	69.0	314.0

Proposed WMAB-FM F(50,50) 60.0 dBuV/m Terrain Data

321.0	68.9	313.7
322.0	68.9	313.2
323.0	68.9	313.1
324.0	68.9	312.5
325.0	68.8	311.3
326.0	68.7	310.5
327.0	68.6	309.8
328.0	68.6	309.7
329.0	68.7	311.0
330.0	68.9	313.0
331.0	69.0	314.8
332.0	69.1	316.2
333.0	69.2	317.5
334.0	69.3	318.1
335.0	69.3	319.0
336.0	69.4	319.2
337.0	69.3	318.8
338.0	69.4	319.5
339.0	69.4	319.6
340.0	69.4	319.3
341.0	69.4	319.5
342.0	69.5	320.6
343.0	69.4	320.2
344.0	69.4	320.1
345.0	69.4	320.1
346.0	69.5	320.8
347.0	69.5	321.8
348.0	69.5	321.7
349.0	69.5	321.2
350.0	69.4	320.0
351.0	69.4	319.3
352.0	69.4	319.3
353.0	69.3	319.1
354.0	69.4	319.3
355.0	69.4	319.8
356.0	69.5	320.7
357.0	69.6	322.8
358.0	69.7	324.3
359.0	69.7	324.4

Average HAAT for radials shown: 322.2 m

Proposed WMAB-FM F(50,10) 54.0 dBuV/m Terrain Data

Call Letters: WMAB-FM
Latitude: 33-21-14 N
Longitude: 089-09-00 W
ERP: 64.30 kW
Channel: 210
Frequency: 89.9 MHz
AMSL Height: 466.0 m
Elevation: 203.0 m
HAAT: 323.5 m
Horiz. Antenna Pattern: Omni

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 10.0 %
of Radials Calculated: 360
Field Strength: 54.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	101.4	324.7
1.0	101.5	324.9
2.0	101.4	324.4
3.0	101.4	324.3
4.0	101.4	324.2
5.0	101.3	323.8
6.0	101.4	324.5
7.0	101.5	325.4
8.0	101.5	325.6
9.0	101.4	324.8
10.0	101.3	323.3
11.0	101.2	322.1
12.0	101.1	321.7
13.0	101.0	321.2
14.0	101.0	320.7
15.0	101.1	321.3
16.0	101.1	321.5
17.0	101.1	321.6
18.0	101.0	321.2
19.0	101.0	320.5
20.0	100.9	320.1
21.0	100.9	320.1
22.0	101.0	320.3
23.0	101.0	320.7
24.0	100.9	320.0
25.0	100.7	318.0
26.0	100.6	317.1
27.0	100.7	317.7
28.0	100.6	317.2
29.0	100.6	317.1
30.0	100.7	317.5
31.0	100.7	318.0
32.0	100.8	318.9
33.0	100.9	320.2
34.0	101.1	321.2
35.0	101.2	323.0

Proposed WMAB-FM F(50,10) 54.0 dBuV/m Terrain Data

36.0	101.6	326.0
37.0	101.8	328.1
38.0	102.1	330.4
39.0	102.2	331.7
40.0	102.3	332.3
41.0	102.3	332.6
42.0	102.4	333.6
43.0	102.5	333.9
44.0	102.5	334.0
45.0	102.5	334.4
46.0	102.6	335.1
47.0	102.7	335.9
48.0	102.8	337.0
49.0	102.9	337.1
50.0	102.9	337.3
51.0	103.1	338.7
52.0	103.2	339.5
53.0	103.3	340.8
54.0	103.5	341.9
55.0	103.6	343.3
56.0	103.8	344.3
57.0	103.8	344.8
58.0	103.9	345.5
59.0	104.0	346.3
60.0	104.1	347.0
61.0	104.1	347.2
62.0	104.1	347.1
63.0	104.2	347.9
64.0	104.4	348.8
65.0	104.5	349.6
66.0	104.5	349.7
67.0	104.5	349.8
68.0	104.5	349.9
69.0	104.6	351.0
70.0	104.9	352.5
71.0	105.1	354.0
72.0	105.2	354.9
73.0	105.2	354.9
74.0	105.2	354.8
75.0	105.1	354.4
76.0	105.0	353.4
77.0	104.9	352.6
78.0	104.8	352.4
79.0	104.9	352.8
80.0	105.0	353.4
81.0	105.1	354.2
82.0	105.2	355.0
83.0	105.3	355.6
84.0	105.3	355.6
85.0	105.2	355.3
86.0	105.2	355.0
87.0	105.2	354.7
88.0	105.1	354.6
89.0	105.1	354.5
90.0	105.2	354.6
91.0	105.2	354.9
92.0	105.2	355.1

Proposed WMAB-FM F(50,10) 54.0 dBuV/m Terrain Data

93.0	105.3	355.9
94.0	105.5	356.9
95.0	105.6	357.8
96.0	105.7	358.4
97.0	105.8	359.0
98.0	105.9	360.1
99.0	106.1	361.6
100.0	106.4	363.8
101.0	106.6	365.1
102.0	106.7	365.5
103.0	106.6	365.1
104.0	106.4	363.7
105.0	106.0	360.9
106.0	105.5	357.4
107.0	105.1	354.1
108.0	104.9	353.2
109.0	105.0	353.2
110.0	104.9	353.1
111.0	104.9	353.0
112.0	105.0	353.5
113.0	104.9	353.0
114.0	104.9	353.0
115.0	104.9	352.8
116.0	104.8	352.2
117.0	104.7	351.4
118.0	104.5	349.7
119.0	104.5	349.9
120.0	104.5	350.0
121.0	104.4	349.1
122.0	104.3	348.6
123.0	104.3	348.2
124.0	104.1	347.2
125.0	104.1	346.6
126.0	104.0	346.0
127.0	103.8	344.7
128.0	103.6	343.0
129.0	103.6	343.4
130.0	104.0	346.0
131.0	104.2	347.4
132.0	104.2	347.7
133.0	104.1	346.5
134.0	104.0	345.8
135.0	104.4	348.9
136.0	104.6	350.4
137.0	104.4	348.9
138.0	103.9	345.4
139.0	103.2	340.0
140.0	102.7	335.4
141.0	102.3	332.4
142.0	102.3	332.0
143.0	102.1	330.6
144.0	101.7	327.6
145.0	101.5	325.7
146.0	101.5	325.3
147.0	101.3	323.5
148.0	101.2	322.6
149.0	101.2	322.8

Proposed WMAB-FM F(50,10) 54.0 dBuV/m Terrain Data

150.0	101.2	323.0
151.0	101.4	324.8
152.0	101.5	325.3
153.0	101.7	326.9
154.0	101.8	327.9
155.0	101.7	327.6
156.0	101.5	325.6
157.0	101.5	325.4
158.0	101.4	324.2
159.0	101.0	320.9
160.0	100.9	320.0
161.0	100.9	320.1
162.0	100.9	319.5
163.0	100.6	317.1
164.0	100.1	312.4
165.0	99.8	309.1
166.0	99.6	307.2
167.0	99.7	307.7
168.0	99.9	310.1
169.0	100.0	310.7
170.0	99.9	310.4
171.0	99.9	310.2
172.0	100.0	310.9
173.0	100.0	311.0
174.0	99.9	309.9
175.0	99.6	307.0
176.0	99.2	302.7
177.0	99.0	301.3
178.0	99.0	301.0
179.0	98.9	299.8
180.0	98.8	299.1
181.0	98.7	297.6
182.0	98.4	295.0
183.0	98.4	294.9
184.0	98.4	295.1
185.0	98.4	295.0
186.0	98.4	294.6
187.0	98.3	294.5
188.0	98.3	294.4
189.0	98.3	294.4
190.0	98.4	295.3
191.0	98.5	296.4
192.0	98.6	297.4
193.0	98.6	297.1
194.0	98.5	296.5
195.0	98.6	297.4
196.0	98.7	298.2
197.0	98.8	298.8
198.0	98.8	299.2
199.0	98.9	300.0
200.0	99.0	300.7
201.0	98.9	300.1
202.0	98.8	299.4
203.0	98.8	299.0
204.0	98.9	299.7
205.0	98.9	299.8
206.0	98.8	299.4

Proposed WMAB-FM F(50,10) 54.0 dBuV/m Terrain Data

207.0	98.9	299.6
208.0	98.9	299.6
209.0	98.8	299.1
210.0	98.9	299.7
211.0	99.0	301.0
212.0	99.0	301.5
213.0	99.2	303.3
214.0	99.4	304.8
215.0	99.4	305.2
216.0	99.4	305.3
217.0	99.5	305.8
218.0	99.5	305.9
219.0	99.5	305.8
220.0	99.5	306.2
221.0	99.6	307.0
222.0	99.6	306.8
223.0	99.6	307.5
224.0	99.7	307.8
225.0	99.8	308.9
226.0	99.8	309.6
227.0	99.8	308.9
228.0	99.7	308.2
229.0	99.6	307.0
230.0	99.4	305.4
231.0	99.4	305.0
232.0	99.3	304.5
233.0	99.3	304.6
234.0	99.4	304.9
235.0	99.4	304.8
236.0	99.3	304.4
237.0	99.3	304.5
238.0	99.3	303.7
239.0	99.2	303.2
240.0	99.2	303.5
241.0	99.3	304.3
242.0	99.4	304.7
243.0	99.4	304.8
244.0	99.3	304.2
245.0	99.2	303.0
246.0	99.1	302.1
247.0	99.0	301.3
248.0	98.9	300.5
249.0	98.8	299.1
250.0	98.7	298.1
251.0	98.6	297.3
252.0	98.7	297.7
253.0	99.0	300.6
254.0	99.1	302.2
255.0	99.4	304.7
256.0	99.5	305.8
257.0	99.4	305.5
258.0	99.3	304.3
259.0	99.1	302.0
260.0	98.9	300.2
261.0	98.9	300.0
262.0	99.1	301.9
263.0	99.2	302.9

Proposed WMAB-FM F(50,10) 54.0 dBuV/m Terrain Data

264.0	99.1	302.3
265.0	99.2	302.9
266.0	99.2	303.0
267.0	99.2	303.1
268.0	99.2	302.7
269.0	99.2	303.2
270.0	99.2	303.4
271.0	99.1	302.3
272.0	99.2	302.8
273.0	99.2	303.5
274.0	99.3	303.6
275.0	99.3	304.4
276.0	99.4	305.6
277.0	99.5	306.5
278.0	99.7	308.3
279.0	99.7	308.0
280.0	99.6	307.5
281.0	99.7	308.2
282.0	99.8	308.6
283.0	99.7	308.3
284.0	99.7	308.4
285.0	99.8	308.9
286.0	99.8	308.8
287.0	99.8	309.2
288.0	99.8	309.0
289.0	99.7	308.1
290.0	99.8	309.0
291.0	99.7	308.6
292.0	99.7	308.4
293.0	99.7	308.5
294.0	99.7	308.5
295.0	99.8	309.2
296.0	99.9	309.8
297.0	100.0	311.1
298.0	100.2	313.2
299.0	100.4	314.9
300.0	100.3	314.4
301.0	100.3	314.2
302.0	100.3	314.3
303.0	100.4	315.4
304.0	100.7	317.6
305.0	100.8	319.3
306.0	100.9	319.6
307.0	100.9	319.5
308.0	100.8	318.5
309.0	100.7	317.4
310.0	100.7	317.6
311.0	100.7	317.6
312.0	100.5	316.3
313.0	100.4	314.6
314.0	100.4	314.9
315.0	100.4	315.0
316.0	100.4	314.8
317.0	100.4	314.9
318.0	100.4	314.6
319.0	100.3	314.1
320.0	100.3	314.0

Proposed WMAB-FM F(50,10) 54.0 dBuV/m Terrain Data

321.0	100.3	313.7
322.0	100.2	313.2
323.0	100.2	313.1
324.0	100.1	312.5
325.0	100.0	311.3
326.0	99.9	310.5
327.0	99.9	309.8
328.0	99.9	309.7
329.0	100.0	311.0
330.0	100.2	313.0
331.0	100.4	314.8
332.0	100.5	316.2
333.0	100.7	317.5
334.0	100.7	318.1
335.0	100.8	319.0
336.0	100.8	319.2
337.0	100.8	318.8
338.0	100.9	319.5
339.0	100.9	319.6
340.0	100.8	319.3
341.0	100.9	319.5
342.0	101.0	320.6
343.0	100.9	320.2
344.0	100.9	320.1
345.0	100.9	320.1
346.0	101.0	320.8
347.0	101.1	321.8
348.0	101.1	321.7
349.0	101.0	321.2
350.0	100.9	320.0
351.0	100.8	319.3
352.0	100.8	319.3
353.0	100.8	319.1
354.0	100.8	319.3
355.0	100.9	319.8
356.0	101.0	320.7
357.0	101.2	322.8
358.0	101.4	324.3
359.0	101.4	324.4

Average HAAT for radials shown: 322.2 m

WMPR-FM F(50,50) 60.0 dBuV/m Terrain Data

Call Letters: WMPR-FM
File Number: BLED19840702DW
Latitude: 32-11-33 N
Longitude: 090-05-28 W
ERP: 100.00 kW
Channel: 211
Frequency: 90.1 MHz
AMSL Height: 238.0 m
Elevation: 113.0 m
HAAT: 137.0 m
Horiz. Antenna Pattern: Omni

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
Field Strength: 60.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	57.8	145.2
1.0	57.7	144.6
2.0	57.6	143.8
3.0	57.6	143.3
4.0	57.5	142.9
5.0	57.4	142.3
6.0	57.3	141.4
7.0	57.2	140.3
8.0	57.0	138.9
9.0	56.8	137.8
10.0	56.7	137.0
11.0	56.7	136.9
12.0	56.7	136.9
13.0	56.6	136.5
14.0	56.5	135.9
15.0	56.4	135.1
16.0	56.3	134.0
17.0	56.1	133.2
18.0	56.1	132.8
19.0	56.1	132.6
20.0	56.1	133.2
21.0	56.2	133.6
22.0	56.3	134.2
23.0	56.4	134.8
24.0	56.4	135.0
25.0	56.5	135.5
26.0	56.5	135.5
27.0	56.4	135.1
28.0	56.4	134.8
29.0	56.4	134.9
30.0	56.5	135.4
31.0	56.5	135.7
32.0	56.5	136.0
33.0	56.5	136.0
34.0	56.5	135.7

WMPR-FM F(50,50) 60.0 dBuV/m Terrain Data

35.0	56.4	134.7
36.0	56.2	133.6
37.0	56.0	132.3
38.0	55.8	130.9
39.0	55.7	130.4
40.0	55.6	129.6
41.0	55.4	128.0
42.0	55.0	124.9
43.0	54.6	122.4
44.0	54.4	121.1
45.0	54.4	120.9
46.0	54.4	120.8
47.0	54.4	120.8
48.0	54.4	120.9
49.0	54.4	121.0
50.0	54.5	121.4
51.0	54.6	122.2
52.0	54.7	123.3
53.0	54.9	124.8
54.0	55.1	125.9
55.0	55.3	127.1
56.0	55.4	128.0
57.0	55.5	128.5
58.0	55.5	129.0
59.0	55.7	129.9
60.0	55.8	131.0
61.0	56.0	132.2
62.0	56.2	133.5
63.0	56.4	134.9
64.0	56.5	135.6
65.0	56.6	136.2
66.0	56.7	137.1
67.0	56.7	137.2
68.0	56.7	136.8
69.0	56.6	136.1
70.0	56.4	134.8
71.0	56.2	133.5
72.0	56.0	132.5
73.0	55.9	131.1
74.0	55.6	129.5
75.0	55.4	128.1
76.0	55.6	129.3
77.0	55.9	131.3
78.0	56.0	132.0
79.0	56.0	132.4
80.0	56.1	133.1
81.0	56.3	134.2
82.0	56.4	135.2
83.0	56.5	135.9
84.0	56.5	135.9
85.0	56.6	136.5
86.0	56.6	136.7
87.0	56.7	136.9
88.0	56.6	136.4
89.0	56.6	136.0
90.0	56.5	136.0
91.0	56.5	135.8

WMPR-FM F(50,50) 60.0 dBuV/m Terrain Data

92.0	56.5	135.8
93.0	56.5	135.6
94.0	56.5	135.6
95.0	56.5	135.5
96.0	56.4	134.7
97.0	56.2	133.3
98.0	56.1	132.7
99.0	56.0	132.0
100.0	55.9	131.6
101.0	55.7	130.4
102.0	55.7	129.9
103.0	55.6	129.5
104.0	55.5	129.0
105.0	55.5	128.5
106.0	55.3	127.4
107.0	55.2	126.9
108.0	55.2	126.6
109.0	55.1	126.1
110.0	55.0	125.5
111.0	55.0	124.9
112.0	54.9	124.5
113.0	54.7	123.3
114.0	54.7	122.9
115.0	54.7	123.5
116.0	54.7	123.3
117.0	54.7	123.1
118.0	54.7	123.0
119.0	54.6	122.1
120.0	54.4	121.2
121.0	54.4	121.1
122.0	54.4	121.1
123.0	54.4	121.3
124.0	54.5	121.9
125.0	54.7	122.8
126.0	54.7	123.0
127.0	54.8	123.9
128.0	54.9	124.4
129.0	54.8	124.1
130.0	54.7	122.9
131.0	54.6	122.1
132.0	54.4	121.3
133.0	54.3	120.5
134.0	54.1	119.4
135.0	54.1	118.7
136.0	54.1	118.9
137.0	54.1	119.0
138.0	54.0	118.7
139.0	53.9	117.7
140.0	53.8	116.9
141.0	54.0	118.1
142.0	53.9	117.9
143.0	53.6	115.7
144.0	53.3	114.2
145.0	53.5	115.1
146.0	53.7	116.5
147.0	53.9	118.0
148.0	54.3	120.5

WMPR-FM F(50,50) 60.0 dBuV/m Terrain Data

149.0	54.5	121.9
150.0	54.5	122.1
151.0	54.4	121.0
152.0	54.4	121.2
153.0	54.6	122.6
154.0	54.6	122.5
155.0	54.3	120.7
156.0	54.2	119.4
157.0	54.0	118.5
158.0	53.9	117.8
159.0	54.1	119.3
160.0	54.4	120.9
161.0	54.6	122.6
162.0	54.8	124.0
163.0	54.9	124.8
164.0	55.0	125.5
165.0	55.2	126.4
166.0	55.3	127.3
167.0	55.3	127.2
168.0	55.3	127.3
169.0	55.1	126.2
170.0	55.0	124.9
171.0	55.0	125.3
172.0	55.2	126.4
173.0	55.4	127.8
174.0	55.4	128.3
175.0	55.5	128.7
176.0	55.6	129.4
177.0	55.6	129.3
178.0	55.6	129.3
179.0	55.6	129.3
180.0	55.7	130.2
181.0	55.8	131.1
182.0	55.9	131.2
183.0	56.0	131.9
184.0	56.1	132.6
185.0	56.2	133.4
186.0	56.2	133.4
187.0	56.1	132.9
188.0	56.2	133.6
189.0	56.3	134.3
190.0	56.4	134.8
191.0	56.5	135.4
192.0	56.5	135.9
193.0	56.6	136.5
194.0	56.7	137.0
195.0	56.7	137.1
196.0	56.8	137.6
197.0	56.9	138.5
198.0	57.0	139.1
199.0	57.0	139.5
200.0	57.1	140.1
201.0	57.3	141.1
202.0	57.4	141.9
203.0	57.5	143.0
204.0	57.6	143.3
205.0	57.6	143.5

WMPR-FM F(50,50) 60.0 dBuV/m Terrain Data

206.0	57.7	144.1
207.0	57.8	144.9
208.0	57.9	145.4
209.0	57.9	145.8
210.0	58.0	146.4
211.0	58.0	146.8
212.0	58.0	146.7
213.0	58.0	146.6
214.0	58.1	146.9
215.0	58.1	147.5
216.0	58.3	148.5
217.0	58.4	149.2
218.0	58.3	149.1
219.0	58.3	148.9
220.0	58.3	148.4
221.0	58.2	148.3
222.0	58.2	148.0
223.0	58.2	147.9
224.0	58.2	147.6
225.0	58.1	147.2
226.0	58.1	147.0
227.0	58.0	146.5
228.0	58.0	146.3
229.0	57.9	145.9
230.0	57.8	145.2
231.0	57.7	144.0
232.0	57.6	143.3
233.0	57.5	142.6
234.0	57.3	141.7
235.0	57.2	141.0
236.0	57.1	140.2
237.0	57.0	139.3
238.0	57.0	139.5
239.0	57.1	140.3
240.0	57.2	140.9
241.0	57.2	140.7
242.0	57.2	140.7
243.0	57.2	140.8
244.0	57.2	140.9
245.0	57.3	141.1
246.0	57.3	141.4
247.0	57.3	141.5
248.0	57.3	141.3
249.0	57.2	140.9
250.0	57.2	140.8
251.0	57.3	141.5
252.0	57.4	141.9
253.0	57.4	142.3
254.0	57.6	143.2
255.0	57.6	143.7
256.0	57.7	144.4
257.0	57.8	145.3
258.0	58.0	146.1
259.0	58.1	146.9
260.0	58.1	147.6
261.0	58.2	148.0
262.0	58.4	149.4

WMPR-FM F(50,50) 60.0 dBuV/m Terrain Data

263.0	58.6	150.9
264.0	58.6	151.3
265.0	58.7	151.5
266.0	58.7	151.8
267.0	58.7	151.8
268.0	58.7	151.5
269.0	58.6	151.4
270.0	58.6	151.4
271.0	58.6	151.2
272.0	58.6	151.0
273.0	58.6	150.8
274.0	58.6	150.9
275.0	58.6	150.9
276.0	58.6	150.7
277.0	58.4	149.8
278.0	58.4	149.7
279.0	58.5	150.0
280.0	58.4	149.6
281.0	58.4	149.2
282.0	58.3	148.5
283.0	58.2	147.8
284.0	58.1	147.6
285.0	58.1	147.2
286.0	58.0	146.3
287.0	58.0	146.2
288.0	58.2	148.0
289.0	58.5	149.9
290.0	58.6	151.2
291.0	58.7	151.4
292.0	58.6	151.1
293.0	58.5	150.4
294.0	58.4	149.6
295.0	58.3	148.9
296.0	58.2	148.2
297.0	58.1	147.5
298.0	58.1	147.0
299.0	58.1	147.5
300.0	58.3	149.1
301.0	58.4	149.2
302.0	58.3	148.8
303.0	58.2	148.3
304.0	58.2	148.3
305.0	58.3	148.7
306.0	58.3	149.1
307.0	58.3	148.9
308.0	58.3	148.7
309.0	58.3	148.4
310.0	58.2	148.1
311.0	58.3	148.5
312.0	58.4	149.7
313.0	58.5	150.3
314.0	58.5	150.5
315.0	58.5	150.3
316.0	58.5	150.5
317.0	58.6	151.1
318.0	58.7	151.5
319.0	58.7	151.8

WMPR-FM F(50,50) 60.0 dBuV/m Terrain Data

320.0	58.8	152.2
321.0	58.9	153.0
322.0	59.0	153.9
323.0	58.9	153.6
324.0	58.9	153.1
325.0	58.8	152.6
326.0	58.7	152.1
327.0	58.6	151.3
328.0	58.6	150.9
329.0	58.6	150.9
330.0	58.7	151.7
331.0	58.8	152.6
332.0	58.8	152.8
333.0	58.8	152.6
334.0	58.8	152.4
335.0	58.8	152.5
336.0	58.8	152.4
337.0	58.8	152.5
338.0	58.8	152.8
339.0	58.8	152.2
340.0	58.7	151.8
341.0	58.6	150.9
342.0	58.5	150.5
343.0	58.5	150.4
344.0	58.5	150.0
345.0	58.4	149.5
346.0	58.3	149.0
347.0	58.2	148.4
348.0	58.2	147.7
349.0	58.1	147.1
350.0	58.0	146.4
351.0	57.9	145.8
352.0	57.8	145.2
353.0	57.7	144.4
354.0	57.7	144.3
355.0	57.7	144.6
356.0	57.8	144.8
357.0	57.8	145.3
358.0	57.8	145.4
359.0	57.8	145.2

Average HAAT for radials shown: 137.5 m

WMPR-FM F(50,10) 54.0 dBuV/m Terrain Data

Call Letters: WMPR-FM
File Number: BLED19840702DW
Latitude: 32-11-33 N
Longitude: 090-05-28 W
ERP: 100.00 kW
Channel: 211
Frequency: 90.1 MHz
AMSL Height: 238.0 m
Elevation: 113.0 m
HAAT: 137.0 m
Horiz. Antenna Pattern: Omni

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 10.0 %
of Radials Calculated: 360
Field Strength: 54.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	87.4	145.2
1.0	87.3	144.6
2.0	87.2	143.8
3.0	87.1	143.3
4.0	87.1	142.9
5.0	87.0	142.3
6.0	86.9	141.4
7.0	86.7	140.3
8.0	86.5	138.9
9.0	86.3	137.8
10.0	86.2	137.0
11.0	86.2	136.9
12.0	86.2	136.9
13.0	86.1	136.5
14.0	86.0	135.9
15.0	85.9	135.1
16.0	85.8	134.0
17.0	85.6	133.2
18.0	85.6	132.8
19.0	85.5	132.6
20.0	85.6	133.2
21.0	85.7	133.6
22.0	85.8	134.2
23.0	85.9	134.8
24.0	85.9	135.0
25.0	86.0	135.5
26.0	86.0	135.5
27.0	85.9	135.1
28.0	85.9	134.8
29.0	85.9	134.9
30.0	86.0	135.4
31.0	86.0	135.7
32.0	86.1	136.0
33.0	86.1	136.0
34.0	86.0	135.7

WMPR-FM F(50,10) 54.0 dBuV/m Terrain Data

35.0	85.9	134.7
36.0	85.7	133.6
37.0	85.5	132.3
38.0	85.3	130.9
39.0	85.2	130.4
40.0	85.1	129.6
41.0	84.9	128.0
42.0	84.4	124.9
43.0	84.0	122.4
44.0	83.8	121.1
45.0	83.8	120.9
46.0	83.7	120.8
47.0	83.7	120.8
48.0	83.8	120.9
49.0	83.8	121.0
50.0	83.8	121.4
51.0	84.0	122.2
52.0	84.1	123.3
53.0	84.4	124.8
54.0	84.5	125.9
55.0	84.7	127.1
56.0	84.9	128.0
57.0	84.9	128.5
58.0	85.0	129.0
59.0	85.2	129.9
60.0	85.3	131.0
61.0	85.5	132.2
62.0	85.7	133.5
63.0	85.9	134.9
64.0	86.0	135.6
65.0	86.1	136.2
66.0	86.2	137.1
67.0	86.2	137.2
68.0	86.2	136.8
69.0	86.1	136.1
70.0	85.9	134.8
71.0	85.7	133.5
72.0	85.5	132.5
73.0	85.3	131.1
74.0	85.1	129.5
75.0	84.9	128.1
76.0	85.1	129.3
77.0	85.4	131.3
78.0	85.5	132.0
79.0	85.5	132.4
80.0	85.6	133.1
81.0	85.8	134.2
82.0	85.9	135.2
83.0	86.0	135.9
84.0	86.0	135.9
85.0	86.1	136.5
86.0	86.2	136.7
87.0	86.2	136.9
88.0	86.1	136.4
89.0	86.1	136.0
90.0	86.1	136.0
91.0	86.0	135.8

WMPR-FM F(50,10) 54.0 dBuV/m Terrain Data

92.0	86.0	135.8
93.0	86.0	135.6
94.0	86.0	135.6
95.0	86.0	135.5
96.0	85.9	134.7
97.0	85.7	133.3
98.0	85.6	132.7
99.0	85.5	132.0
100.0	85.4	131.6
101.0	85.2	130.4
102.0	85.2	129.9
103.0	85.1	129.5
104.0	85.0	129.0
105.0	84.9	128.5
106.0	84.8	127.4
107.0	84.7	126.9
108.0	84.6	126.6
109.0	84.6	126.1
110.0	84.5	125.5
111.0	84.4	124.9
112.0	84.3	124.5
113.0	84.1	123.3
114.0	84.1	122.9
115.0	84.2	123.5
116.0	84.1	123.3
117.0	84.1	123.1
118.0	84.1	123.0
119.0	84.0	122.1
120.0	83.8	121.2
121.0	83.8	121.1
122.0	83.8	121.1
123.0	83.8	121.3
124.0	83.9	121.9
125.0	84.1	122.8
126.0	84.1	123.0
127.0	84.2	123.9
128.0	84.3	124.4
129.0	84.2	124.1
130.0	84.1	122.9
131.0	83.9	122.1
132.0	83.8	121.3
133.0	83.7	120.5
134.0	83.5	119.4
135.0	83.4	118.7
136.0	83.4	118.9
137.0	83.5	119.0
138.0	83.4	118.7
139.0	83.2	117.7
140.0	83.1	116.9
141.0	83.3	118.1
142.0	83.3	117.9
143.0	82.9	115.7
144.0	82.7	114.2
145.0	82.8	115.1
146.0	83.0	116.5
147.0	83.3	118.0
148.0	83.7	120.5

WMPR-FM F(50,10) 54.0 dBuV/m Terrain Data

149.0	83.9	121.9
150.0	83.9	122.1
151.0	83.8	121.0
152.0	83.8	121.2
153.0	84.0	122.6
154.0	84.0	122.5
155.0	83.7	120.7
156.0	83.5	119.4
157.0	83.4	118.5
158.0	83.3	117.8
159.0	83.5	119.3
160.0	83.8	120.9
161.0	84.0	122.6
162.0	84.2	124.0
163.0	84.4	124.8
164.0	84.5	125.5
165.0	84.6	126.4
166.0	84.7	127.3
167.0	84.7	127.2
168.0	84.7	127.3
169.0	84.6	126.2
170.0	84.4	124.9
171.0	84.4	125.3
172.0	84.6	126.4
173.0	84.8	127.8
174.0	84.9	128.3
175.0	85.0	128.7
176.0	85.1	129.4
177.0	85.1	129.3
178.0	85.1	129.3
179.0	85.1	129.3
180.0	85.2	130.2
181.0	85.3	131.1
182.0	85.3	131.2
183.0	85.4	131.9
184.0	85.6	132.6
185.0	85.7	133.4
186.0	85.7	133.4
187.0	85.6	132.9
188.0	85.7	133.6
189.0	85.8	134.3
190.0	85.9	134.8
191.0	86.0	135.4
192.0	86.0	135.9
193.0	86.1	136.5
194.0	86.2	137.0
195.0	86.2	137.1
196.0	86.3	137.6
197.0	86.4	138.5
198.0	86.5	139.1
199.0	86.6	139.5
200.0	86.7	140.1
201.0	86.8	141.1
202.0	86.9	141.9
203.0	87.1	143.0
204.0	87.1	143.3
205.0	87.2	143.5

WMPR-FM F(50,10) 54.0 dBuV/m Terrain Data

206.0	87.2	144.1
207.0	87.4	144.9
208.0	87.4	145.4
209.0	87.5	145.8
210.0	87.6	146.4
211.0	87.6	146.8
212.0	87.6	146.7
213.0	87.6	146.6
214.0	87.6	146.9
215.0	87.7	147.5
216.0	87.9	148.5
217.0	88.0	149.2
218.0	88.0	149.1
219.0	87.9	148.9
220.0	87.9	148.4
221.0	87.8	148.3
222.0	87.8	148.0
223.0	87.8	147.9
224.0	87.7	147.6
225.0	87.7	147.2
226.0	87.7	147.0
227.0	87.6	146.5
228.0	87.6	146.3
229.0	87.5	145.9
230.0	87.4	145.2
231.0	87.2	144.0
232.0	87.1	143.3
233.0	87.0	142.6
234.0	86.9	141.7
235.0	86.8	141.0
236.0	86.7	140.2
237.0	86.6	139.3
238.0	86.6	139.5
239.0	86.7	140.3
240.0	86.8	140.9
241.0	86.8	140.7
242.0	86.7	140.7
243.0	86.8	140.8
244.0	86.8	140.9
245.0	86.8	141.1
246.0	86.9	141.4
247.0	86.9	141.5
248.0	86.8	141.3
249.0	86.8	140.9
250.0	86.8	140.8
251.0	86.9	141.5
252.0	86.9	141.9
253.0	87.0	142.3
254.0	87.1	143.2
255.0	87.2	143.7
256.0	87.3	144.4
257.0	87.4	145.3
258.0	87.5	146.1
259.0	87.6	146.9
260.0	87.7	147.6
261.0	87.8	148.0
262.0	88.0	149.4

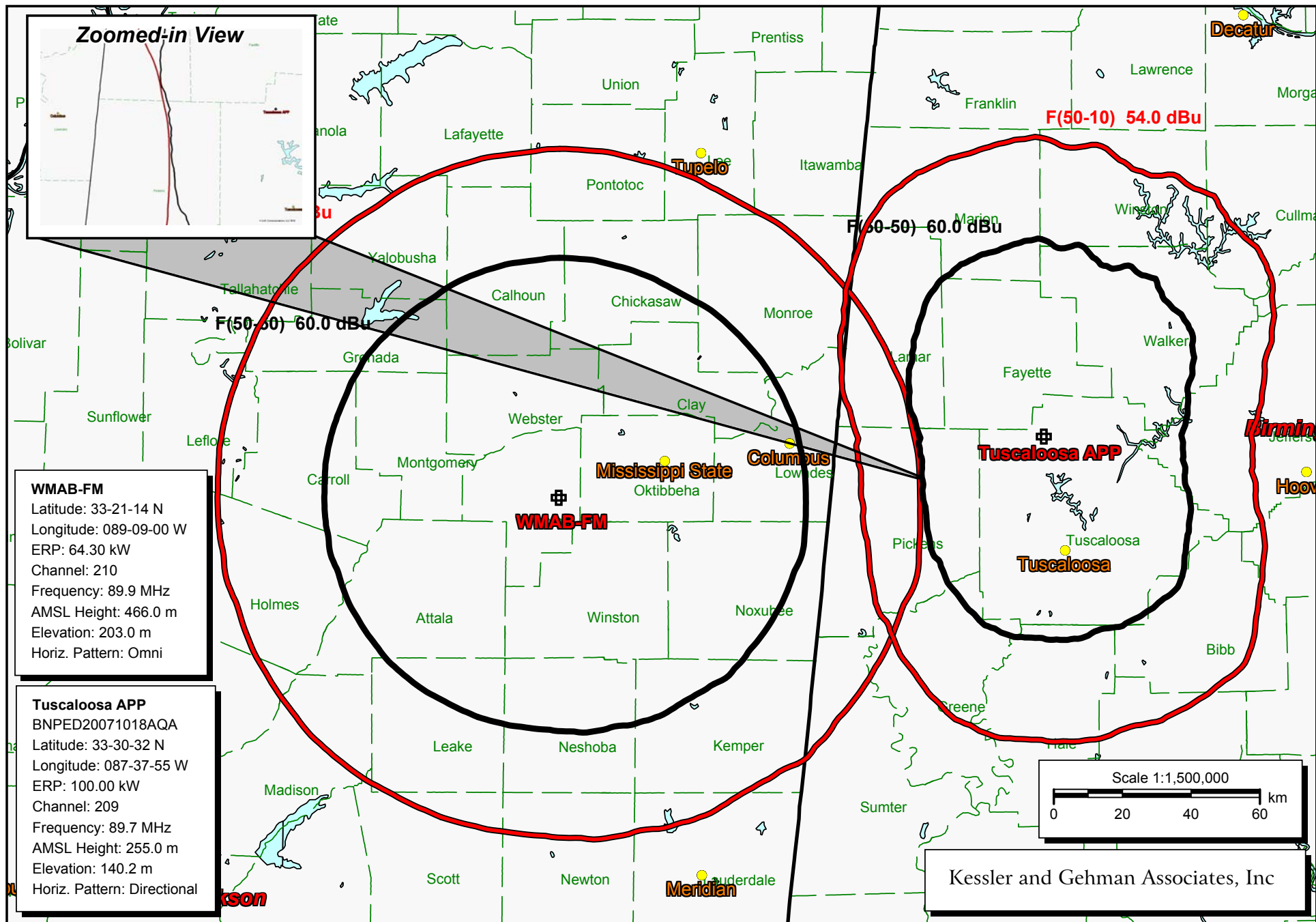
WMPR-FM F(50,10) 54.0 dBuV/m Terrain Data

263.0	88.2	150.9
264.0	88.3	151.3
265.0	88.3	151.5
266.0	88.3	151.8
267.0	88.3	151.8
268.0	88.3	151.5
269.0	88.3	151.4
270.0	88.3	151.4
271.0	88.3	151.2
272.0	88.2	151.0
273.0	88.2	150.8
274.0	88.2	150.9
275.0	88.2	150.9
276.0	88.2	150.7
277.0	88.1	149.8
278.0	88.0	149.7
279.0	88.1	150.0
280.0	88.0	149.6
281.0	88.0	149.2
282.0	87.9	148.5
283.0	87.8	147.8
284.0	87.7	147.6
285.0	87.7	147.2
286.0	87.6	146.3
287.0	87.5	146.2
288.0	87.8	148.0
289.0	88.1	149.9
290.0	88.2	151.2
291.0	88.3	151.4
292.0	88.2	151.1
293.0	88.1	150.4
294.0	88.0	149.6
295.0	87.9	148.9
296.0	87.8	148.2
297.0	87.7	147.5
298.0	87.6	147.0
299.0	87.7	147.5
300.0	87.9	149.1
301.0	88.0	149.2
302.0	87.9	148.8
303.0	87.8	148.3
304.0	87.8	148.3
305.0	87.9	148.7
306.0	87.9	149.1
307.0	87.9	148.9
308.0	87.9	148.7
309.0	87.9	148.4
310.0	87.8	148.1
311.0	87.9	148.5
312.0	88.0	149.7
313.0	88.1	150.3
314.0	88.1	150.5
315.0	88.1	150.3
316.0	88.1	150.5
317.0	88.2	151.1
318.0	88.3	151.5
319.0	88.3	151.8

WMPR-FM F(50,10) 54.0 dBuV/m Terrain Data

320.0	88.4	152.2
321.0	88.5	153.0
322.0	88.6	153.9
323.0	88.6	153.6
324.0	88.5	153.1
325.0	88.4	152.6
326.0	88.4	152.1
327.0	88.3	151.3
328.0	88.2	150.9
329.0	88.2	150.9
330.0	88.3	151.7
331.0	88.4	152.6
332.0	88.5	152.8
333.0	88.4	152.6
334.0	88.4	152.4
335.0	88.4	152.5
336.0	88.4	152.4
337.0	88.4	152.5
338.0	88.5	152.8
339.0	88.4	152.2
340.0	88.3	151.8
341.0	88.2	150.9
342.0	88.1	150.5
343.0	88.1	150.4
344.0	88.1	150.0
345.0	88.0	149.5
346.0	87.9	149.0
347.0	87.8	148.4
348.0	87.8	147.7
349.0	87.7	147.1
350.0	87.6	146.4
351.0	87.5	145.8
352.0	87.4	145.2
353.0	87.3	144.4
354.0	87.3	144.3
355.0	87.3	144.6
356.0	87.3	144.8
357.0	87.4	145.3
358.0	87.4	145.4
359.0	87.4	145.2

Average HAAT for radials shown: 137.5 m



WMAB-FM (Proposed) & Tuscaloosa APP Allocation Study

Tuscaloosa APP F(50,50) 60.0 dBuV/m Terrain Data

Call Letters: Tuscaloosa APP
File Number: BNPED20071018AQA
Latitude: 33-30-32 N
Longitude: 087-37-55 W
ERP: 100.00 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 255.0 m
Elevation: 140.2 m
HAAT: 138.3 m
Horiz. Antenna Pattern: Directional

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
Field Strength: 60.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	57.4	142.0
1.0	57.1	139.6
2.0	56.6	136.6
3.0	56.0	132.4
4.0	55.3	127.4
5.0	55.0	125.2
6.0	54.9	124.8
7.0	55.1	125.9
8.0	55.5	128.6
9.0	55.9	131.4
10.0	56.4	135.3
11.0	56.7	137.0
12.0	56.5	135.9
13.0	56.2	133.2
14.0	55.4	127.9
15.0	54.7	123.0
16.0	54.0	118.5
17.0	53.8	117.1
18.0	53.3	114.2
19.0	52.7	110.0
20.0	52.6	109.9
21.0	52.9	111.4
22.0	52.7	110.3
23.0	52.7	110.3
24.0	53.3	113.6
25.0	53.9	117.6
26.0	54.9	124.3
27.0	55.5	128.7
28.0	55.6	129.6
29.0	55.3	127.4
30.0	55.0	125.0
31.0	54.9	124.6
32.0	54.9	124.8
33.0	55.3	127.6
34.0	55.6	129.4

Tuscaloosa APP F(50,50) 60.0 dBuV/m Terrain Data

35.0	55.9	131.2
36.0	56.3	134.0
37.0	55.6	129.7
38.0	54.8	123.7
39.0	54.4	120.9
40.0	54.1	118.8
41.0	53.4	114.4
42.0	53.1	112.4
43.0	53.1	112.9
44.0	53.1	112.7
45.0	53.0	111.9
46.0	52.9	111.5
47.0	53.1	112.8
48.0	53.3	113.9
49.0	53.6	115.5
50.0	53.4	114.2
51.0	53.1	114.9
52.0	53.1	116.9
53.0	53.1	118.8
54.0	52.7	118.8
55.0	52.8	121.3
56.0	52.5	122.1
57.0	52.2	122.2
58.0	51.6	120.8
59.0	50.7	117.4
60.0	50.3	117.4
61.0	49.9	117.4
62.0	49.7	118.2
63.0	49.4	119.2
64.0	48.7	116.9
65.0	48.0	115.2
66.0	47.5	114.7
67.0	47.2	115.5
68.0	46.9	116.2
69.0	46.1	114.1
70.0	45.3	111.3
71.0	44.6	109.5
72.0	44.1	108.4
73.0	43.9	109.3
74.0	43.8	111.4
75.0	43.6	112.6
76.0	43.4	113.9
77.0	43.2	115.3
78.0	43.0	116.2
79.0	42.7	117.4
80.0	42.6	119.4
81.0	42.5	121.4
82.0	42.3	122.9
83.0	41.9	122.6
84.0	41.6	123.1
85.0	41.5	125.3
86.0	41.3	126.5
87.0	41.0	126.9
88.0	40.6	127.2
89.0	40.3	128.2
90.0	40.0	129.3
91.0	40.2	130.8

Tuscaloosa APP F(50,50) 60.0 dBuV/m Terrain Data

92.0	40.4	132.7
93.0	40.6	134.9
94.0	40.6	135.5
95.0	40.6	135.8
96.0	40.7	137.0
97.0	40.8	138.8
98.0	40.9	140.0
99.0	41.1	141.7
100.0	40.9	141.0
101.0	41.3	140.7
102.0	41.8	141.2
103.0	42.2	140.8
104.0	42.3	138.9
105.0	42.5	137.0
106.0	42.5	134.5
107.0	42.7	133.3
108.0	43.0	132.6
109.0	43.3	132.2
110.0	43.9	133.9
111.0	44.7	137.0
112.0	45.4	138.7
113.0	45.8	138.3
114.0	46.3	139.2
115.0	46.8	139.8
116.0	47.3	140.7
117.0	47.8	141.4
118.0	48.1	140.9
119.0	48.4	140.1
120.0	48.8	139.8
121.0	49.0	138.6
122.0	49.4	138.1
123.0	50.0	139.2
124.0	50.5	139.6
125.0	50.7	137.9
126.0	51.1	138.2
127.0	51.6	138.7
128.0	52.1	139.5
129.0	52.7	141.4
130.0	53.3	143.0
131.0	53.8	142.9
132.0	54.5	144.7
133.0	55.3	147.5
134.0	56.1	150.1
135.0	56.6	151.2
136.0	57.3	152.8
137.0	57.7	153.1
138.0	58.2	154.2
139.0	58.7	154.5
140.0	58.8	152.4
141.0	58.8	152.7
142.0	58.9	153.2
143.0	58.8	152.6
144.0	58.6	151.2
145.0	58.7	151.7
146.0	58.7	152.1
147.0	58.9	153.6
148.0	59.1	155.1

Tuscaloosa APP F(50,50) 60.0 dBuV/m Terrain Data

149.0	59.1	155.0
150.0	59.1	154.7
151.0	59.2	155.4
152.0	59.3	156.6
153.0	59.3	156.8
154.0	59.3	156.2
155.0	59.3	156.2
156.0	59.3	156.4
157.0	59.3	156.8
158.0	59.6	159.3
159.0	59.5	158.5
160.0	59.2	155.7
161.0	59.0	154.1
162.0	58.8	152.7
163.0	58.5	150.5
164.0	58.4	149.8
165.0	58.5	150.5
166.0	58.6	150.9
167.0	58.9	153.3
168.0	59.3	156.5
169.0	59.5	157.9
170.0	59.6	159.1
171.0	59.6	159.2
172.0	59.5	157.8
173.0	59.4	157.7
174.0	59.5	158.2
175.0	59.4	157.4
176.0	59.3	156.6
177.0	59.1	155.0
178.0	59.1	155.2
179.0	59.1	155.0
180.0	59.0	153.8
181.0	58.6	150.9
182.0	58.5	150.6
183.0	58.6	151.1
184.0	58.6	150.7
185.0	58.6	151.0
186.0	58.7	151.6
187.0	58.6	151.3
188.0	58.8	152.7
189.0	58.9	153.3
190.0	58.7	152.0
191.0	58.5	152.1
192.0	58.4	152.7
193.0	58.3	153.6
194.0	57.9	152.0
195.0	57.6	151.1
196.0	57.6	153.0
197.0	57.5	153.7
198.0	57.5	155.3
199.0	57.0	153.5
200.0	56.6	151.6
201.0	56.0	150.3
202.0	55.5	148.9
203.0	55.1	149.3
204.0	54.9	150.5
205.0	54.4	150.3

Tuscaloosa APP F(50,50) 60.0 dBuV/m Terrain Data

206.0	53.9	149.3
207.0	53.4	148.8
208.0	52.9	148.5
209.0	52.4	148.2
210.0	52.0	148.7
211.0	51.8	149.3
212.0	51.4	149.9
213.0	51.2	150.9
214.0	50.9	151.4
215.0	50.3	149.9
216.0	49.7	148.7
217.0	49.1	147.5
218.0	48.6	147.1
219.0	48.2	147.3
220.0	47.5	145.8
221.0	47.2	146.0
222.0	47.2	149.2
223.0	47.2	152.0
224.0	46.9	152.8
225.0	46.5	152.9
226.0	46.2	153.6
227.0	45.6	151.8
228.0	45.0	150.8
229.0	44.5	150.3
230.0	44.1	150.2
231.0	43.7	149.9
232.0	43.4	150.2
233.0	42.9	149.5
234.0	42.4	148.2
235.0	41.9	147.6
236.0	41.5	147.3
237.0	41.0	147.0
238.0	40.7	147.2
239.0	40.3	148.0
240.0	40.0	148.5
241.0	39.9	149.5
242.0	39.7	149.9
243.0	39.5	150.3
244.0	39.3	149.9
245.0	39.0	149.7
246.0	38.8	149.7
247.0	38.5	149.3
248.0	38.0	147.3
249.0	37.7	146.4
250.0	37.5	147.1
251.0	37.4	147.4
252.0	37.4	148.0
253.0	37.3	147.8
254.0	37.1	147.2
255.0	36.8	146.0
256.0	36.6	144.8
257.0	36.4	144.7
258.0	36.3	144.3
259.0	36.1	143.7
260.0	36.0	144.0
261.0	36.1	144.3
262.0	36.2	145.9

Tuscaloosa APP F(50,50) 60.0 dBuV/m Terrain Data

263.0	36.3	146.4
264.0	36.2	146.0
265.0	36.2	145.4
266.0	36.2	146.0
267.0	36.4	147.5
268.0	36.4	147.4
269.0	36.1	144.7
270.0	35.9	142.7
271.0	36.1	142.0
272.0	36.4	141.7
273.0	36.6	140.9
274.0	36.9	140.5
275.0	37.1	140.0
276.0	37.3	139.2
277.0	37.6	139.0
278.0	37.8	138.2
279.0	38.1	138.8
280.0	38.7	140.9
281.0	39.2	141.9
282.0	39.6	141.6
283.0	40.0	141.5
284.0	40.2	140.6
285.0	40.4	138.8
286.0	40.6	137.6
287.0	40.8	136.4
288.0	41.0	134.6
289.0	41.1	132.8
290.0	41.4	132.4
291.0	41.8	132.0
292.0	42.2	132.1
293.0	42.5	131.5
294.0	42.8	130.6
295.0	43.1	129.7
296.0	43.4	129.2
297.0	43.8	129.2
298.0	43.8	127.1
299.0	44.0	125.4
300.0	44.0	123.2
301.0	44.3	121.8
302.0	44.7	122.0
303.0	45.3	123.4
304.0	45.5	121.8
305.0	45.8	120.9
306.0	46.4	122.1
307.0	47.0	123.8
308.0	47.3	123.0
309.0	47.5	121.9
310.0	47.7	120.9
311.0	48.1	121.0
312.0	48.6	121.9
313.0	49.0	122.1
314.0	49.4	122.0
315.0	49.7	122.1
316.0	50.1	122.3
317.0	50.7	123.7
318.0	51.3	125.5
319.0	51.8	126.9

Tuscaloosa APP F(50,50) 60.0 dBuV/m Terrain Data

320.0	52.2	127.4
321.0	52.6	128.1
322.0	52.9	128.0
323.0	53.2	127.4
324.0	53.4	126.5
325.0	53.7	126.4
326.0	54.1	127.4
327.0	54.4	127.0
328.0	54.5	126.0
329.0	54.5	124.1
330.0	54.5	121.9
331.0	54.5	121.9
332.0	54.9	124.7
333.0	55.1	126.0
334.0	55.3	127.0
335.0	55.6	129.2
336.0	55.4	128.0
337.0	55.4	128.3
338.0	55.5	129.0
339.0	55.5	129.0
340.0	55.6	129.7
341.0	55.8	130.8
342.0	55.9	131.6
343.0	55.8	130.6
344.0	55.8	130.5
345.0	55.7	130.0
346.0	55.6	129.7
347.0	55.7	130.4
348.0	56.0	132.1
349.0	56.1	133.0
350.0	56.2	133.4
351.0	56.4	135.2
352.0	56.6	136.5
353.0	56.7	136.8
354.0	56.8	138.0
355.0	57.1	140.3
356.0	57.2	140.3
357.0	57.2	140.3
358.0	57.4	141.9
359.0	57.6	143.7

Tuscaloosa APP F(50,10) 54.0 dBuV/m Terrain Data

Call Letters: Tuscaloosa APP
File Number: BNPED20071018AQA
Latitude: 33-30-32 N
Longitude: 087-37-55 W
ERP: 100.00 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 255.0 m
Elevation: 140.2 m
HAAT: 138.3 m
Horiz. Antenna Pattern: Directional

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 10.0 %
of Radials Calculated: 360
Field Strength: 54.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	86.9	142.0
1.0	86.6	139.6
2.0	86.2	136.6
3.0	85.5	132.4
4.0	84.8	127.4
5.0	84.4	125.2
6.0	84.4	124.8
7.0	84.5	125.9
8.0	84.9	128.6
9.0	85.4	131.4
10.0	86.0	135.3
11.0	86.2	137.0
12.0	86.0	135.9
13.0	85.6	133.2
14.0	84.8	127.9
15.0	84.1	123.0
16.0	83.4	118.5
17.0	83.2	117.1
18.0	82.7	114.2
19.0	82.0	110.0
20.0	82.0	109.9
21.0	82.2	111.4
22.0	82.0	110.3
23.0	82.0	110.3
24.0	82.6	113.6
25.0	83.2	117.6
26.0	84.3	124.3
27.0	85.0	128.7
28.0	85.1	129.6
29.0	84.8	127.4
30.0	84.4	125.0
31.0	84.3	124.6
32.0	84.4	124.8
33.0	84.8	127.6
34.0	85.1	129.4

Tuscaloosa APP F(50,10) 54.0 dBuV/m Terrain Data

35.0	85.3	131.2
36.0	85.8	134.0
37.0	85.1	129.7
38.0	84.2	123.7
39.0	83.8	120.9
40.0	83.4	118.8
41.0	82.7	114.4
42.0	82.4	112.4
43.0	82.5	112.9
44.0	82.4	112.7
45.0	82.3	111.9
46.0	82.2	111.5
47.0	82.5	112.8
48.0	82.6	113.9
49.0	82.9	115.5
50.0	82.7	114.2
51.0	82.3	114.9
52.0	82.0	116.9
53.0	81.8	118.8
54.0	81.2	118.8
55.0	81.0	121.3
56.0	80.6	122.1
57.0	80.0	122.2
58.0	79.1	120.8
59.0	77.9	117.4
60.0	77.3	117.4
61.0	76.7	117.4
62.0	76.2	118.2
63.0	75.7	119.2
64.0	74.7	116.9
65.0	73.8	115.2
66.0	73.0	114.7
67.0	72.4	115.5
68.0	71.9	116.2
69.0	70.8	114.1
70.0	69.5	111.3
71.0	68.6	109.5
72.0	67.8	108.4
73.0	67.4	109.3
74.0	67.1	111.4
75.0	66.7	112.6
76.0	66.3	113.9
77.0	65.9	115.3
78.0	65.4	116.2
79.0	64.9	117.4
80.0	64.6	119.4
81.0	64.4	121.4
82.0	64.0	122.9
83.0	63.4	122.6
84.0	62.9	123.1
85.0	62.7	125.3
86.0	62.3	126.5
87.0	61.8	126.9
88.0	61.2	127.2
89.0	60.8	128.2
90.0	60.3	129.3
91.0	60.4	130.8

Tuscaloosa APP F(50,10) 54.0 dBuV/m Terrain Data

92.0	60.7	132.7
93.0	60.9	134.9
94.0	60.9	135.5
95.0	60.9	135.8
96.0	61.0	137.0
97.0	61.2	138.8
98.0	61.3	140.0
99.0	61.4	141.7
100.0	61.2	141.0
101.0	61.8	140.7
102.0	62.5	141.2
103.0	63.1	140.8
104.0	63.4	138.9
105.0	63.7	137.0
106.0	63.9	134.5
107.0	64.3	133.3
108.0	64.7	132.6
109.0	65.2	132.2
110.0	66.1	133.9
111.0	67.3	137.0
112.0	68.2	138.7
113.0	68.8	138.3
114.0	69.6	139.2
115.0	70.3	139.8
116.0	71.1	140.7
117.0	71.8	141.4
118.0	72.4	140.9
119.0	72.8	140.1
120.0	73.4	139.8
121.0	73.9	138.6
122.0	74.5	138.1
123.0	75.4	139.2
124.0	76.1	139.6
125.0	76.5	137.9
126.0	77.2	138.2
127.0	77.9	138.7
128.0	78.6	139.5
129.0	79.5	141.4
130.0	80.4	143.0
131.0	81.1	142.9
132.0	82.1	144.7
133.0	83.2	147.5
134.0	84.2	150.1
135.0	85.1	151.2
136.0	86.0	152.8
137.0	86.6	153.1
138.0	87.4	154.2
139.0	88.1	154.5
140.0	88.4	152.4
141.0	88.5	152.7
142.0	88.5	153.2
143.0	88.4	152.6
144.0	88.2	151.2
145.0	88.3	151.7
146.0	88.4	152.1
147.0	88.6	153.6
148.0	88.8	155.1

Tuscaloosa APP F(50,10) 54.0 dBuV/m Terrain Data

149.0	88.8	155.0
150.0	88.7	154.7
151.0	88.8	155.4
152.0	89.0	156.6
153.0	89.0	156.8
154.0	88.9	156.2
155.0	88.9	156.2
156.0	89.0	156.4
157.0	89.0	156.8
158.0	89.4	159.3
159.0	89.3	158.5
160.0	88.9	155.7
161.0	88.7	154.1
162.0	88.5	152.7
163.0	88.1	150.5
164.0	88.0	149.8
165.0	88.2	150.5
166.0	88.2	150.9
167.0	88.5	153.3
168.0	89.0	156.5
169.0	89.2	157.9
170.0	89.3	159.1
171.0	89.4	159.2
172.0	89.2	157.8
173.0	89.1	157.7
174.0	89.2	158.2
175.0	89.1	157.4
176.0	89.0	156.6
177.0	88.8	155.0
178.0	88.8	155.2
179.0	88.8	155.0
180.0	88.6	153.8
181.0	88.2	150.9
182.0	88.2	150.6
183.0	88.2	151.1
184.0	88.2	150.7
185.0	88.2	151.0
186.0	88.3	151.6
187.0	88.3	151.3
188.0	88.5	152.7
189.0	88.5	153.3
190.0	88.4	152.0
191.0	88.1	152.1
192.0	87.8	152.7
193.0	87.6	153.6
194.0	87.1	152.0
195.0	86.6	151.1
196.0	86.5	153.0
197.0	86.3	153.7
198.0	86.2	155.3
199.0	85.5	153.5
200.0	84.9	151.6
201.0	84.1	150.3
202.0	83.3	148.9
203.0	82.8	149.3
204.0	82.3	150.5
205.0	81.6	150.3

Tuscaloosa APP F(50,10) 54.0 dBuV/m Terrain Data

206.0	80.8	149.3
207.0	80.1	148.8
208.0	79.3	148.5
209.0	78.6	148.2
210.0	78.0	148.7
211.0	77.5	149.3
212.0	76.9	149.9
213.0	76.5	150.9
214.0	75.9	151.4
215.0	75.1	149.9
216.0	74.3	148.7
217.0	73.4	147.5
218.0	72.7	147.1
219.0	72.0	147.3
220.0	71.1	145.8
221.0	70.6	146.0
222.0	70.5	149.2
223.0	70.4	152.0
224.0	69.9	152.8
225.0	69.3	152.9
226.0	68.8	153.6
227.0	67.9	151.8
228.0	67.1	150.8
229.0	66.4	150.3
230.0	65.7	150.2
231.0	65.1	149.9
232.0	64.6	150.2
233.0	63.9	149.5
234.0	63.1	148.2
235.0	62.5	147.6
236.0	61.8	147.3
237.0	61.2	147.0
238.0	60.6	147.2
239.0	60.1	148.0
240.0	59.6	148.5
241.0	59.4	149.5
242.0	59.2	149.9
243.0	58.9	150.3
244.0	58.5	149.9
245.0	58.2	149.7
246.0	57.9	149.7
247.0	57.5	149.3
248.0	56.9	147.3
249.0	56.4	146.4
250.0	56.2	147.1
251.0	56.0	147.4
252.0	56.0	148.0
253.0	55.8	147.8
254.0	55.5	147.2
255.0	55.2	146.0
256.0	54.9	144.8
257.0	54.7	144.7
258.0	54.5	144.3
259.0	54.2	143.7
260.0	54.1	144.0
261.0	54.2	144.3
262.0	54.4	145.9

Tuscaloosa APP F(50,10) 54.0 dBuV/m Terrain Data

263.0	54.4	146.4
264.0	54.4	146.0
265.0	54.3	145.4
266.0	54.4	146.0
267.0	54.6	147.5
268.0	54.6	147.4
269.0	54.2	144.7
270.0	53.9	142.7
271.0	54.3	142.0
272.0	54.7	141.7
273.0	55.0	140.9
274.0	55.4	140.5
275.0	55.8	140.0
276.0	56.1	139.2
277.0	56.5	139.0
278.0	56.8	138.2
279.0	57.2	138.8
280.0	57.9	140.9
281.0	58.7	141.9
282.0	59.3	141.6
283.0	59.8	141.5
284.0	60.2	140.6
285.0	60.5	138.8
286.0	60.9	137.6
287.0	61.3	136.4
288.0	61.5	134.6
289.0	61.8	132.8
290.0	62.2	132.4
291.0	62.8	132.0
292.0	63.5	132.1
293.0	64.0	131.5
294.0	64.5	130.6
295.0	64.9	129.7
296.0	65.5	129.2
297.0	66.1	129.2
298.0	66.3	127.1
299.0	66.6	125.4
300.0	66.8	123.2
301.0	67.3	121.8
302.0	68.0	122.0
303.0	68.9	123.4
304.0	69.3	121.8
305.0	69.8	120.9
306.0	70.6	122.1
307.0	71.5	123.8
308.0	72.0	123.0
309.0	72.4	121.9
310.0	72.9	120.9
311.0	73.5	121.0
312.0	74.3	121.9
313.0	74.9	122.1
314.0	75.4	122.0
315.0	76.0	122.1
316.0	76.6	122.3
317.0	77.4	123.7
318.0	78.3	125.5
319.0	79.0	126.9

Tuscaloosa APP F(50,10) 54.0 dBuV/m Terrain Data

320.0	79.6	127.4
321.0	80.3	128.1
322.0	80.8	128.0
323.0	81.3	127.4
324.0	81.6	126.5
325.0	82.1	126.4
326.0	82.8	127.4
327.0	83.2	127.0
328.0	83.6	126.0
329.0	83.8	124.1
330.0	83.9	121.9
331.0	83.9	121.9
332.0	84.3	124.7
333.0	84.5	126.0
334.0	84.7	127.0
335.0	85.0	129.2
336.0	84.9	128.0
337.0	84.9	128.3
338.0	85.0	129.0
339.0	85.0	129.0
340.0	85.1	129.7
341.0	85.3	130.8
342.0	85.4	131.6
343.0	85.2	130.6
344.0	85.2	130.5
345.0	85.2	130.0
346.0	85.1	129.7
347.0	85.2	130.4
348.0	85.5	132.1
349.0	85.6	133.0
350.0	85.7	133.4
351.0	85.9	135.2
352.0	86.1	136.5
353.0	86.2	136.8
354.0	86.4	138.0
355.0	86.7	140.3
356.0	86.7	140.3
357.0	86.7	140.3
358.0	86.9	141.9
359.0	87.2	143.7

Average HAAT for radials shown: 136.9 m

Itta Bena, MS CP F(50,50) 60.0 dBuV/m Terrain Data

Call Letters: Itta Bena, MS CP
File Number: BNPED20071019AWB
Latitude: 33-31-05 N
Longitude: 090-20-37 W
ERP: 6.00 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 125.0 m
Elevation: 39.0 m
HAAT: 90.0 m
Horiz. Antenna Pattern: Directional

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
Field Strength: 60.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	22.9	87.4
1.0	23.1	87.2
2.0	23.4	87.2
3.0	23.7	87.2
4.0	23.9	87.2
5.0	24.2	87.2
6.0	24.4	87.2
7.0	24.7	87.2
8.0	24.9	87.3
9.0	25.2	87.2
10.0	25.4	87.2
11.0	25.7	87.2
12.0	25.9	87.2
13.0	26.2	87.2
14.0	26.4	87.2
15.0	26.2	87.2
16.0	25.9	87.1
17.0	25.7	87.1
18.0	25.4	87.0
19.0	25.1	86.9
20.0	24.8	86.8
21.0	24.6	86.7
22.0	24.3	86.6
23.0	24.1	86.5
24.0	23.8	86.5
25.0	23.6	86.5
26.0	23.3	86.4
27.0	23.1	86.4
28.0	22.8	86.5
29.0	22.6	86.5
30.0	22.3	86.5
31.0	22.1	86.5
32.0	21.8	86.4
33.0	21.6	86.3
34.0	21.4	86.3

Itta Bena, MS CP F(50,50) 60.0 dBuV/m Terrain Data

35.0	21.1	86.3
36.0	20.9	86.4
37.0	20.7	86.5
38.0	20.5	86.7
39.0	20.2	86.5
40.0	19.9	86.5
41.0	19.7	86.4
42.0	19.5	86.4
43.0	19.3	86.4
44.0	19.1	86.4
45.0	18.9	86.4
46.0	18.7	86.4
47.0	18.4	86.6
48.0	18.2	86.6
49.0	18.0	86.7
50.0	17.7	86.8
51.0	17.5	86.7
52.0	17.3	86.7
53.0	17.1	86.7
54.0	16.9	86.6
55.0	16.7	86.6
56.0	16.5	86.6
57.0	16.3	86.6
58.0	16.0	86.7
59.0	15.8	86.8
60.0	15.6	87.0
61.0	15.5	86.9
62.0	15.3	86.8
63.0	15.1	86.8
64.0	14.9	87.0
65.0	14.8	87.5
66.0	14.6	87.3
67.0	14.4	87.0
68.0	14.2	86.9
69.0	14.0	86.8
70.0	13.9	86.9
71.0	13.7	86.8
72.0	13.6	86.8
73.0	13.4	86.7
74.0	13.3	86.8
75.0	13.1	86.8
76.0	13.0	86.9
77.0	12.9	87.1
78.0	12.7	87.4
79.0	12.6	87.6
80.0	12.4	87.7
81.0	12.4	87.7
82.0	12.3	87.3
83.0	12.3	87.1
84.0	12.3	87.1
85.0	12.3	87.7
86.0	12.2	87.7
87.0	12.2	87.9
88.0	12.2	88.2
89.0	12.1	88.1
90.0	12.0	87.0
91.0	12.0	86.7

Itta Bena, MS CP F(50,50) 60.0 dBuV/m Terrain Data

92.0	12.0	86.8
93.0	12.0	86.9
94.0	12.0	86.9
95.0	12.0	87.0
96.0	12.0	87.1
97.0	11.9	87.1
98.0	11.9	87.1
99.0	11.9	87.2
100.0	11.9	87.2
101.0	11.9	87.4
102.0	11.9	87.6
103.0	11.9	87.8
104.0	12.0	88.0
105.0	12.0	88.2
106.0	12.0	88.3
107.0	12.0	88.2
108.0	12.0	88.2
109.0	12.0	88.4
110.0	12.0	88.3
111.0	12.1	88.3
112.0	12.2	88.2
113.0	12.3	88.2
114.0	12.4	88.4
115.0	12.6	88.4
116.0	12.7	88.5
117.0	12.8	88.7
118.0	12.9	88.7
119.0	13.0	88.5
120.0	13.1	88.4
121.0	13.3	88.2
122.0	13.4	88.2
123.0	13.6	88.2
124.0	13.7	88.1
125.0	13.9	87.8
126.0	14.0	87.8
127.0	14.2	87.8
128.0	14.3	87.7
129.0	14.5	87.5
130.0	14.6	87.4
131.0	14.8	87.5
132.0	15.0	87.7
133.0	15.2	88.0
134.0	15.5	88.8
135.0	15.7	89.1
136.0	15.9	88.9
137.0	16.1	88.5
138.0	16.3	88.6
139.0	16.5	88.7
140.0	16.7	89.0
141.0	16.9	89.2
142.0	17.1	89.2
143.0	17.1	89.2
144.0	17.1	89.0
145.0	17.1	88.6
146.0	17.0	88.4
147.0	17.0	88.3
148.0	17.0	88.3

Itta Bena, MS CP F(50,50) 60.0 dBuV/m Terrain Data

149.0	17.1	88.4
150.0	17.1	88.4
151.0	17.1	88.4
152.0	17.1	88.3
153.0	17.1	88.3
154.0	17.1	88.4
155.0	17.1	88.6
156.0	17.1	88.9
157.0	17.1	89.1
158.0	17.2	89.2
159.0	17.2	89.3
160.0	17.2	89.3
161.0	17.2	89.5
162.0	17.2	89.5
163.0	17.3	89.4
164.0	17.3	89.3
165.0	17.3	89.3
166.0	17.3	89.2
167.0	17.4	89.3
168.0	17.4	89.3
169.0	17.4	89.4
170.0	17.5	89.4
171.0	17.6	89.6
172.0	17.7	89.5
173.0	17.8	89.3
174.0	17.9	89.1
175.0	18.0	89.0
176.0	18.1	89.0
177.0	18.3	89.0
178.0	18.4	89.1
179.0	18.5	89.1
180.0	18.6	89.1
181.0	18.9	89.2
182.0	19.1	89.2
183.0	19.4	89.3
184.0	19.6	89.3
185.0	19.8	89.3
186.0	20.1	89.4
187.0	20.3	89.4
188.0	20.5	89.4
189.0	20.7	89.4
190.0	20.9	89.4
191.0	21.2	89.3
192.0	21.4	89.4
193.0	21.7	89.3
194.0	21.9	89.3
195.0	22.1	89.3
196.0	22.4	89.2
197.0	22.6	89.2
198.0	22.8	89.1
199.0	23.1	89.1
200.0	23.3	89.1
201.0	23.5	89.1
202.0	23.8	89.1
203.0	24.1	89.1
204.0	24.3	89.1
205.0	24.6	89.1

Itta Bena, MS CP F(50,50) 60.0 dBuV/m Terrain Data

206.0	24.9	89.1
207.0	25.1	89.2
208.0	25.4	89.2
209.0	25.6	89.2
210.0	25.9	89.3
211.0	26.1	89.4
212.0	26.4	89.5
213.0	26.7	89.8
214.0	26.8	90.1
215.0	26.9	90.4
216.0	26.9	90.4
217.0	26.9	90.4
218.0	26.9	90.4
219.0	27.0	90.4
220.0	27.0	90.4
221.0	27.0	90.4
222.0	27.0	90.4
223.0	27.0	90.4
224.0	27.0	90.5
225.0	27.0	90.4
226.0	27.0	90.5
227.0	27.0	90.5
228.0	27.0	90.5
229.0	27.0	90.5
230.0	27.0	90.5
231.0	27.0	90.5
232.0	27.0	90.5
233.0	27.0	90.5
234.0	27.0	90.5
235.0	27.0	90.5
236.0	27.0	90.5
237.0	27.0	90.6
238.0	27.0	90.6
239.0	27.0	90.6
240.0	27.0	90.6
241.0	26.9	90.7
242.0	26.8	90.7
243.0	26.8	90.6
244.0	26.7	90.8
245.0	26.6	91.1
246.0	26.6	91.2
247.0	26.5	91.2
248.0	26.4	91.2
249.0	26.3	91.2
250.0	26.2	91.4
251.0	26.2	91.5
252.0	26.3	91.5
253.0	26.3	91.5
254.0	26.2	91.4
255.0	26.2	91.3
256.0	26.2	91.2
257.0	26.2	91.2
258.0	26.2	91.4
259.0	26.3	91.6
260.0	26.3	91.7
261.0	26.4	91.5
262.0	26.4	91.2

Itta Bena, MS CP F(50,50) 60.0 dBuV/m Terrain Data

263.0	26.5	91.1
264.0	26.6	90.9
265.0	26.7	90.8
266.0	26.8	90.8
267.0	26.8	90.8
268.0	26.9	90.7
269.0	26.9	90.7
270.0	27.0	90.6
271.0	26.9	90.5
272.0	26.7	90.5
273.0	26.6	90.4
274.0	26.5	90.3
275.0	26.2	90.3
276.0	26.0	90.3
277.0	25.7	90.3
278.0	25.4	90.3
279.0	25.2	90.3
280.0	24.9	90.3
281.0	24.7	90.3
282.0	24.4	90.3
283.0	24.2	90.4
284.0	24.0	90.5
285.0	23.7	90.6
286.0	23.5	90.6
287.0	23.2	90.7
288.0	23.0	90.7
289.0	22.7	90.7
290.0	22.4	90.7
291.0	22.2	90.7
292.0	22.0	90.7
293.0	21.8	90.7
294.0	21.5	90.6
295.0	21.3	90.6
296.0	21.1	90.7
297.0	20.8	90.6
298.0	20.6	90.6
299.0	20.3	90.5
300.0	20.1	90.4
301.0	20.0	90.3
302.0	19.9	90.3
303.0	19.8	90.2
304.0	19.6	90.2
305.0	19.5	90.2
306.0	19.5	90.3
307.0	19.4	90.3
308.0	19.2	90.3
309.0	19.1	90.2
310.0	19.0	90.3
311.0	19.0	90.4
312.0	18.9	90.6
313.0	18.9	90.9
314.0	18.9	91.0
315.0	18.8	90.9
316.0	18.7	90.6
317.0	18.5	90.1
318.0	18.5	89.8
319.0	18.4	89.8

Itta Bena, MS CP F(50,50) 60.0 dBuV/m Terrain Data

320.0	18.3	89.8
321.0	18.3	89.8
322.0	18.3	89.8
323.0	18.3	89.8
324.0	18.3	89.7
325.0	18.3	89.7
326.0	18.3	89.7
327.0	18.3	89.6
328.0	18.3	89.5
329.0	18.3	89.5
330.0	18.3	89.4
331.0	18.4	89.2
332.0	18.5	89.1
333.0	18.6	89.0
334.0	18.8	89.0
335.0	18.9	89.0
336.0	19.0	89.0
337.0	19.1	88.9
338.0	19.3	88.9
339.0	19.4	88.9
340.0	19.5	88.9
341.0	19.7	88.9
342.0	19.9	88.9
343.0	20.1	88.9
344.0	20.3	88.6
345.0	20.4	88.4
346.0	20.6	88.2
347.0	20.7	88.0
348.0	20.9	88.0
349.0	21.1	87.9
350.0	21.3	87.9
351.0	21.4	87.9
352.0	21.6	87.8
353.0	21.8	87.8
354.0	22.0	87.8
355.0	22.1	87.6
356.0	22.3	87.5
357.0	22.4	87.5
358.0	22.6	87.4
359.0	22.7	87.5

Average HAAT for radials shown: 88.8 m

Itta Bena, MS CP F(50,10) 54.0 dBuV/m Terrain Data

Call Letters: Itta Bena, MS CP
File Number: BNPED20071019AWB
Latitude: 33-31-05 N
Longitude: 090-20-37 W
ERP: 6.00 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 125.0 m
Elevation: 39.0 m
HAAT: 90.0 m
Horiz. Antenna Pattern: Directional

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 10.0 %
of Radials Calculated: 360
Field Strength: 54.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	34.3	87.4
1.0	34.8	87.2
2.0	35.3	87.2
3.0	35.8	87.2
4.0	36.2	87.2
5.0	36.7	87.2
6.0	37.1	87.2
7.0	37.6	87.2
8.0	38.0	87.3
9.0	38.5	87.2
10.0	38.9	87.2
11.0	39.4	87.2
12.0	39.8	87.2
13.0	40.3	87.2
14.0	40.8	87.2
15.0	40.3	87.2
16.0	39.8	87.1
17.0	39.4	87.1
18.0	38.9	87.0
19.0	38.3	86.9
20.0	37.8	86.8
21.0	37.4	86.7
22.0	36.9	86.6
23.0	36.5	86.5
24.0	36.0	86.5
25.0	35.6	86.5
26.0	35.1	86.4
27.0	34.7	86.4
28.0	34.2	86.5
29.0	33.7	86.5
30.0	33.3	86.5
31.0	32.9	86.5
32.0	32.5	86.4
33.0	32.0	86.3
34.0	31.6	86.3

Itta Bena, MS CP F(50,10) 54.0 dBuV/m Terrain Data

35.0	31.2	86.3
36.0	30.9	86.4
37.0	30.5	86.5
38.0	30.1	86.7
39.0	29.7	86.5
40.0	29.3	86.5
41.0	29.0	86.4
42.0	28.7	86.4
43.0	28.4	86.4
44.0	28.0	86.4
45.0	27.7	86.4
46.0	27.4	86.4
47.0	27.1	86.6
48.0	26.8	86.6
49.0	26.5	86.7
50.0	26.2	86.8
51.0	25.9	86.7
52.0	25.6	86.7
53.0	25.3	86.7
54.0	25.1	86.6
55.0	24.8	86.6
56.0	24.5	86.6
57.0	24.2	86.6
58.0	23.9	86.7
59.0	23.7	86.8
60.0	23.4	87.0
61.0	23.1	86.9
62.0	22.9	86.8
63.0	22.6	86.8
64.0	22.4	87.0
65.0	22.2	87.5
66.0	21.9	87.3
67.0	21.6	87.0
68.0	21.3	86.9
69.0	21.0	86.8
70.0	20.8	86.9
71.0	20.5	86.8
72.0	20.3	86.8
73.0	20.0	86.7
74.0	19.8	86.8
75.0	19.6	86.8
76.0	19.3	86.9
77.0	19.1	87.1
78.0	18.9	87.4
79.0	18.6	87.6
80.0	18.4	87.7
81.0	18.3	87.7
82.0	18.2	87.3
83.0	18.1	87.1
84.0	18.1	87.1
85.0	18.1	87.7
86.0	18.0	87.7
87.0	18.0	87.9
88.0	17.9	88.2
89.0	17.9	88.1
90.0	17.6	87.0
91.0	17.6	86.7

Itta Bena, MS CP F(50,10) 54.0 dBuV/m Terrain Data

92.0	17.6	86.8
93.0	17.6	86.9
94.0	17.5	86.9
95.0	17.5	87.0
96.0	17.5	87.1
97.0	17.5	87.1
98.0	17.5	87.1
99.0	17.4	87.2
100.0	17.4	87.2
101.0	17.4	87.4
102.0	17.5	87.6
103.0	17.5	87.8
104.0	17.5	88.0
105.0	17.5	88.2
106.0	17.6	88.3
107.0	17.5	88.2
108.0	17.5	88.2
109.0	17.6	88.4
110.0	17.6	88.3
111.0	17.8	88.3
112.0	18.0	88.2
113.0	18.2	88.2
114.0	18.4	88.4
115.0	18.6	88.4
116.0	18.8	88.5
117.0	19.0	88.7
118.0	19.2	88.7
119.0	19.4	88.5
120.0	19.5	88.4
121.0	19.8	88.2
122.0	20.0	88.2
123.0	20.3	88.2
124.0	20.5	88.1
125.0	20.8	87.8
126.0	21.0	87.8
127.0	21.3	87.8
128.0	21.5	87.7
129.0	21.7	87.5
130.0	21.9	87.4
131.0	22.2	87.5
132.0	22.5	87.7
133.0	22.8	88.0
134.0	23.2	88.8
135.0	23.5	89.1
136.0	23.8	88.9
137.0	24.0	88.5
138.0	24.3	88.6
139.0	24.5	88.7
140.0	24.8	89.0
141.0	25.1	89.2
142.0	25.3	89.2
143.0	25.3	89.2
144.0	25.3	89.0
145.0	25.3	88.6
146.0	25.2	88.4
147.0	25.2	88.3
148.0	25.2	88.3

Itta Bena, MS CP F(50,10) 54.0 dBuV/m Terrain Data

149.0	25.2	88.4
150.0	25.3	88.4
151.0	25.3	88.4
152.0	25.2	88.3
153.0	25.2	88.3
154.0	25.3	88.4
155.0	25.3	88.6
156.0	25.3	88.9
157.0	25.4	89.1
158.0	25.4	89.2
159.0	25.4	89.3
160.0	25.4	89.3
161.0	25.5	89.5
162.0	25.5	89.5
163.0	25.5	89.4
164.0	25.5	89.3
165.0	25.6	89.3
166.0	25.6	89.2
167.0	25.7	89.3
168.0	25.7	89.3
169.0	25.7	89.4
170.0	25.8	89.4
171.0	26.0	89.6
172.0	26.1	89.5
173.0	26.3	89.3
174.0	26.4	89.1
175.0	26.6	89.0
176.0	26.7	89.0
177.0	26.9	89.0
178.0	27.0	89.1
179.0	27.2	89.1
180.0	27.4	89.1
181.0	27.7	89.2
182.0	28.1	89.2
183.0	28.4	89.3
184.0	28.8	89.3
185.0	29.1	89.3
186.0	29.5	89.4
187.0	29.8	89.4
188.0	30.2	89.4
189.0	30.5	89.4
190.0	30.8	89.4
191.0	31.3	89.3
192.0	31.7	89.4
193.0	32.1	89.3
194.0	32.6	89.3
195.0	33.0	89.3
196.0	33.4	89.2
197.0	33.8	89.2
198.0	34.2	89.1
199.0	34.6	89.1
200.0	35.0	89.1
201.0	35.5	89.1
202.0	36.0	89.1
203.0	36.5	89.1
204.0	37.0	89.1
205.0	37.4	89.1

Itta Bena, MS CP F(50,10) 54.0 dBuV/m Terrain Data

206.0	37.9	89.1
207.0	38.3	89.2
208.0	38.8	89.2
209.0	39.2	89.2
210.0	39.7	89.3
211.0	40.2	89.4
212.0	40.7	89.5
213.0	41.2	89.8
214.0	41.4	90.1
215.0	41.5	90.4
216.0	41.5	90.4
217.0	41.5	90.4
218.0	41.6	90.4
219.0	41.6	90.4
220.0	41.7	90.4
221.0	41.7	90.4
222.0	41.7	90.4
223.0	41.7	90.4
224.0	41.7	90.5
225.0	41.7	90.4
226.0	41.7	90.5
227.0	41.7	90.5
228.0	41.7	90.5
229.0	41.7	90.5
230.0	41.7	90.5
231.0	41.7	90.5
232.0	41.7	90.5
233.0	41.7	90.5
234.0	41.7	90.5
235.0	41.7	90.5
236.0	41.7	90.5
237.0	41.7	90.6
238.0	41.7	90.6
239.0	41.7	90.6
240.0	41.7	90.6
241.0	41.6	90.7
242.0	41.4	90.7
243.0	41.3	90.6
244.0	41.1	90.8
245.0	41.0	91.1
246.0	40.9	91.2
247.0	40.8	91.2
248.0	40.6	91.2
249.0	40.4	91.2
250.0	40.3	91.4
251.0	40.3	91.5
252.0	40.4	91.5
253.0	40.4	91.5
254.0	40.3	91.4
255.0	40.3	91.3
256.0	40.3	91.2
257.0	40.3	91.2
258.0	40.3	91.4
259.0	40.4	91.6
260.0	40.4	91.7
261.0	40.5	91.5
262.0	40.7	91.2

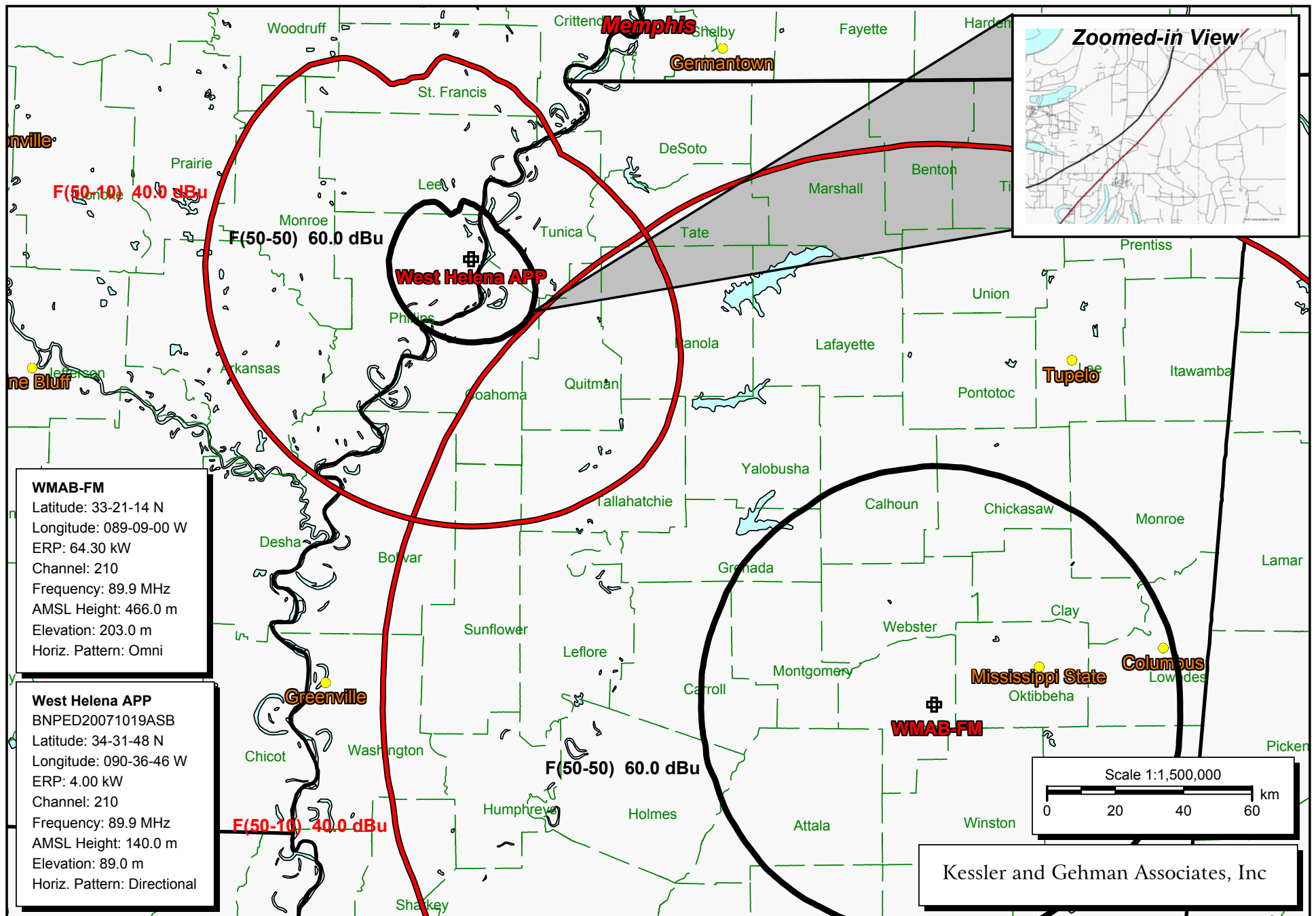
Itta Bena, MS CP F(50,10) 54.0 dBuV/m Terrain Data

263.0	40.8	91.1
264.0	41.0	90.9
265.0	41.1	90.8
266.0	41.3	90.8
267.0	41.4	90.8
268.0	41.5	90.7
269.0	41.6	90.7
270.0	41.7	90.6
271.0	41.5	90.5
272.0	41.2	90.5
273.0	41.0	90.4
274.0	40.8	90.3
275.0	40.3	90.3
276.0	39.8	90.3
277.0	39.4	90.3
278.0	38.9	90.3
279.0	38.4	90.3
280.0	37.9	90.3
281.0	37.5	90.3
282.0	37.1	90.3
283.0	36.7	90.4
284.0	36.2	90.5
285.0	35.8	90.6
286.0	35.4	90.6
287.0	34.9	90.7
288.0	34.5	90.7
289.0	34.0	90.7
290.0	33.5	90.7
291.0	33.1	90.7
292.0	32.7	90.7
293.0	32.3	90.7
294.0	31.9	90.6
295.0	31.5	90.6
296.0	31.1	90.7
297.0	30.7	90.6
298.0	30.3	90.6
299.0	29.9	90.5
300.0	29.5	90.4
301.0	29.3	90.3
302.0	29.2	90.3
303.0	29.0	90.2
304.0	28.9	90.2
305.0	28.7	90.2
306.0	28.6	90.3
307.0	28.4	90.3
308.0	28.3	90.3
309.0	28.1	90.2
310.0	28.0	90.3
311.0	27.9	90.4
312.0	27.8	90.6
313.0	27.8	90.9
314.0	27.7	91.0
315.0	27.6	90.9
316.0	27.5	90.6
317.0	27.3	90.1
318.0	27.1	89.8
319.0	27.0	89.8

Itta Bena, MS CP F(50,10) 54.0 dBuV/m Terrain Data

320.0	27.0	89.8
321.0	27.0	89.8
322.0	26.9	89.8
323.0	26.9	89.8
324.0	26.9	89.7
325.0	26.9	89.7
326.0	26.9	89.7
327.0	26.9	89.6
328.0	26.9	89.5
329.0	26.9	89.5
330.0	26.9	89.4
331.0	27.0	89.2
332.0	27.2	89.1
333.0	27.4	89.0
334.0	27.6	89.0
335.0	27.8	89.0
336.0	27.9	89.0
337.0	28.1	88.9
338.0	28.3	88.9
339.0	28.5	88.9
340.0	28.7	88.9
341.0	29.0	88.9
342.0	29.3	88.9
343.0	29.6	88.9
344.0	29.8	88.6
345.0	30.1	88.4
346.0	30.3	88.2
347.0	30.6	88.0
348.0	30.8	88.0
349.0	31.1	87.9
350.0	31.4	87.9
351.0	31.7	87.9
352.0	32.0	87.8
353.0	32.3	87.8
354.0	32.6	87.8
355.0	32.9	87.6
356.0	33.2	87.5
357.0	33.5	87.5
358.0	33.8	87.4
359.0	34.1	87.5

Average HAAT for radials shown: 88.8 m



WMAB-FM (Proposed) & West Helena, AR APP Allocation Study

West Helena, AR APP F(50,50) 60.0 dBuV/m Terrain Data

Call Letters: West Helena APP
File Number: BNPED20071019ASB
Latitude: 34-31-48 N
Longitude: 090-36-46 W
ERP: 4.00 kW
Channel: 210
Frequency: 89.9 MHz
AMSL Height: 140.0 m
Elevation: 89.0 m
HAAT: 86.0 m
Horiz. Antenna Pattern: Directional

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
Field Strength: 60.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	16.2	70.1
1.0	16.1	70.7
2.0	16.0	71.7
3.0	15.9	72.5
4.0	15.8	72.6
5.0	15.6	72.6
6.0	15.4	72.6
7.0	15.2	72.6
8.0	15.1	73.2
9.0	15.1	74.5
10.0	15.0	76.0
11.0	15.0	77.2
12.0	14.9	77.9
13.0	14.8	78.7
14.0	14.7	79.4
15.0	14.6	79.4
16.0	14.4	79.1
17.0	14.2	79.3
18.0	14.1	79.8
19.0	14.0	80.6
20.0	13.9	81.6
21.0	13.9	82.4
22.0	13.8	83.1
23.0	13.7	83.8
24.0	13.6	84.3
25.0	13.5	84.4
26.0	13.4	84.3
27.0	13.2	84.2
28.0	13.1	84.0
29.0	12.9	84.1
30.0	12.8	84.0
31.0	12.7	84.2
32.0	12.6	84.4
33.0	12.5	84.7
34.0	12.3	85.0

West Helena, AR APP F(50,50) 60.0 dBuV/m Terrain Data

35.0	12.3	85.6
36.0	12.2	86.4
37.0	12.1	87.3
38.0	12.0	88.0
39.0	11.9	88.4
40.0	11.8	88.8
41.0	11.8	88.8
42.0	11.9	88.6
43.0	11.9	88.2
44.0	12.0	87.9
45.0	12.0	87.7
46.0	12.1	87.4
47.0	12.1	87.3
48.0	12.2	87.3
49.0	12.2	87.3
50.0	12.3	87.2
51.0	12.4	87.3
52.0	12.4	87.3
53.0	12.5	87.1
54.0	12.5	86.7
55.0	12.5	86.3
56.0	12.6	86.1
57.0	12.6	86.0
58.0	12.7	86.0
59.0	12.7	86.0
60.0	12.8	86.0
61.0	12.9	86.0
62.0	12.9	86.0
63.0	13.0	86.0
64.0	13.1	86.0
65.0	13.2	86.0
66.0	13.2	86.1
67.0	13.3	86.3
68.0	13.4	86.6
69.0	13.5	86.8
70.0	13.6	86.9
71.0	13.7	86.9
72.0	13.8	87.0
73.0	13.9	87.1
74.0	14.0	87.1
75.0	14.2	87.3
76.0	14.3	87.3
77.0	14.4	87.4
78.0	14.5	87.4
79.0	14.6	87.5
80.0	14.8	87.5
81.0	14.9	87.6
82.0	15.0	87.6
83.0	15.2	87.6
84.0	15.3	87.5
85.0	15.4	87.5
86.0	15.5	87.4
87.0	15.7	87.3
88.0	15.8	87.1
89.0	15.9	87.1
90.0	16.0	87.1
91.0	16.3	87.1

West Helena, AR APP F(50,50) 60.0 dBuV/m Terrain Data

92.0	16.5	87.2
93.0	16.7	87.2
94.0	16.9	87.2
95.0	17.1	87.3
96.0	17.3	87.3
97.0	17.5	87.3
98.0	17.7	87.3
99.0	17.8	87.3
100.0	18.0	87.3
101.0	18.2	87.4
102.0	18.4	87.5
103.0	18.6	87.6
104.0	18.8	87.7
105.0	19.0	87.7
106.0	19.1	87.7
107.0	19.3	87.7
108.0	19.5	87.8
109.0	19.6	87.8
110.0	19.8	87.9
111.0	20.0	88.0
112.0	20.2	88.2
113.0	20.5	88.3
114.0	20.7	88.5
115.0	20.9	88.4
116.0	21.0	88.1
117.0	21.2	87.6
118.0	21.3	87.3
119.0	21.5	87.1
120.0	21.6	87.0
121.0	21.8	87.0
122.0	22.0	87.1
123.0	22.1	87.1
124.0	22.3	87.2
125.0	22.4	87.2
126.0	22.6	87.3
127.0	22.7	87.4
128.0	22.9	87.6
129.0	23.1	88.2
130.0	23.4	89.0
131.0	23.5	89.3
132.0	23.6	89.4
133.0	23.8	89.6
134.0	23.9	89.7
135.0	24.0	89.5
136.0	24.0	88.9
137.0	24.0	88.4
138.0	24.2	88.4
139.0	24.3	88.6
140.0	24.4	88.6
141.0	24.4	88.7
142.0	24.4	88.8
143.0	24.5	89.0
144.0	24.5	89.1
145.0	24.5	89.2
146.0	24.5	89.2
147.0	24.5	89.2
148.0	24.5	89.2

West Helena, AR APP F(50,50) 60.0 dBuV/m Terrain Data

149.0	24.5	89.3
150.0	24.5	89.3
151.0	24.5	89.4
152.0	24.5	89.5
153.0	24.5	89.6
154.0	24.5	89.6
155.0	24.5	89.7
156.0	24.6	90.2
157.0	24.7	90.8
158.0	24.7	91.2
159.0	24.8	91.4
160.0	24.8	91.4
161.0	24.7	91.3
162.0	24.7	90.8
163.0	24.6	90.4
164.0	24.6	90.4
165.0	24.6	90.4
166.0	24.6	90.2
167.0	24.5	89.7
168.0	24.5	89.2
169.0	24.4	88.7
170.0	24.3	88.1
171.0	24.3	88.0
172.0	24.3	88.1
173.0	24.3	88.1
174.0	24.3	88.2
175.0	24.3	88.2
176.0	24.3	88.2
177.0	24.4	88.3
178.0	24.4	88.3
179.0	24.4	88.3
180.0	24.3	88.2
181.0	24.3	88.2
182.0	24.3	88.1
183.0	24.3	88.1
184.0	24.3	88.0
185.0	24.3	87.9
186.0	24.3	87.8
187.0	24.3	87.7
188.0	24.3	87.6
189.0	24.3	87.5
190.0	24.2	87.4
191.0	24.2	87.4
192.0	24.2	87.3
193.0	24.2	87.2
194.0	24.2	87.0
195.0	24.2	86.9
196.0	24.1	86.7
197.0	24.1	86.7
198.0	24.1	86.7
199.0	24.1	86.7
200.0	24.1	86.7
201.0	24.1	86.7
202.0	24.1	86.7
203.0	24.1	86.7
204.0	24.1	86.7
205.0	24.1	86.7

West Helena, AR APP F(50,50) 60.0 dBuV/m Terrain Data

206.0	24.1	86.7
207.0	24.1	86.7
208.0	24.1	86.6
209.0	24.1	86.6
210.0	24.1	86.6
211.0	24.1	86.6
212.0	24.1	86.6
213.0	24.1	86.6
214.0	24.1	86.6
215.0	24.1	86.6
216.0	24.1	86.6
217.0	24.1	86.5
218.0	24.1	86.5
219.0	24.2	86.8
220.0	24.2	87.2
221.0	24.2	87.3
222.0	24.2	87.3
223.0	24.2	87.3
224.0	24.2	87.1
225.0	24.2	86.8
226.0	24.1	86.7
227.0	24.1	86.6
228.0	24.1	86.6
229.0	24.1	86.6
230.0	24.1	86.6
231.0	24.1	86.6
232.0	24.1	86.6
233.0	24.1	86.7
234.0	24.1	86.7
235.0	24.1	86.7
236.0	24.1	86.7
237.0	24.1	86.6
238.0	24.1	86.7
239.0	24.1	86.6
240.0	24.1	86.6
241.0	24.1	86.6
242.0	24.1	86.6
243.0	24.1	86.6
244.0	24.1	86.6
245.0	24.1	86.6
246.0	24.1	86.6
247.0	24.1	86.7
248.0	24.1	86.7
249.0	24.2	86.8
250.0	24.2	86.8
251.0	24.2	86.9
252.0	24.2	86.9
253.0	24.2	87.0
254.0	24.2	87.0
255.0	24.2	87.1
256.0	24.2	87.1
257.0	24.2	87.2
258.0	24.2	87.1
259.0	24.2	86.9
260.0	24.1	86.5
261.0	24.0	86.0
262.0	24.0	85.9

West Helena, AR APP F(50,50) 60.0 dBuV/m Terrain Data

263.0	24.0	85.8
264.0	24.0	85.8
265.0	24.0	85.8
266.0	24.0	85.8
267.0	24.0	85.9
268.0	24.1	86.0
269.0	24.0	85.9
270.0	24.0	85.3
271.0	23.9	84.6
272.0	23.8	84.1
273.0	23.7	83.7
274.0	23.6	82.9
275.0	23.6	82.6
276.0	23.6	82.4
277.0	23.5	82.1
278.0	23.5	81.8
279.0	23.4	81.3
280.0	23.3	80.4
281.0	23.2	80.0
282.0	23.2	79.6
283.0	23.2	79.4
284.0	23.1	79.1
285.0	23.1	78.7
286.0	23.0	78.4
287.0	23.0	78.1
288.0	22.9	77.9
289.0	22.9	77.6
290.0	22.9	77.4
291.0	22.8	77.2
292.0	22.8	76.8
293.0	22.7	76.4
294.0	22.7	76.3
295.0	22.7	76.2
296.0	22.7	76.1
297.0	22.7	76.1
298.0	22.7	76.0
299.0	22.7	76.1
300.0	22.7	76.3
301.0	22.7	76.4
302.0	22.7	76.3
303.0	22.7	75.9
304.0	22.6	75.4
305.0	22.5	75.0
306.0	22.5	74.6
307.0	22.4	74.2
308.0	22.4	73.8
309.0	22.3	73.5
310.0	22.3	73.2
311.0	22.3	72.9
312.0	22.2	72.6
313.0	22.2	72.2
314.0	22.1	71.6
315.0	21.9	70.7
316.0	21.8	69.8
317.0	21.7	69.1
318.0	21.6	68.5
319.0	21.6	68.1

West Helena, AR APP F(50,50) 60.0 dBuV/m Terrain Data

320.0	21.5	67.4
321.0	21.2	66.3
322.0	21.0	65.3
323.0	20.7	64.5
324.0	20.5	63.8
325.0	20.3	63.1
326.0	20.1	62.4
327.0	19.9	61.6
328.0	19.5	59.9
329.0	19.0	57.3
330.0	18.3	53.9
331.0	17.5	50.4
332.0	16.7	47.1
333.0	15.9	44.1
334.0	15.0	40.5
335.0	14.3	37.5
336.0	14.2	37.7
337.0	14.3	38.9
338.0	14.3	39.8
339.0	14.3	40.4
340.0	14.4	41.5
341.0	14.6	43.0
342.0	14.6	43.9
343.0	14.6	44.4
344.0	14.6	44.9
345.0	14.6	45.4
346.0	14.8	47.0
347.0	15.1	49.8
348.0	15.7	53.7
349.0	16.1	57.4
350.0	16.6	62.1
351.0	17.0	65.8
352.0	17.2	68.5
353.0	17.1	69.2
354.0	17.0	68.9
355.0	16.8	69.0
356.0	16.7	69.3
357.0	16.6	69.4
358.0	16.4	69.5
359.0	16.3	69.6

Average HAAT for radials shown: 81.7 m

West Helena, AR APP F(50,10) 40.0 dBuV/m Terrain Data

Call Letters: West Helena APP
File Number: BNPED20071019ASB
Latitude: 34-31-48 N
Longitude: 090-36-46 W
ERP: 4.00 kW
Channel: 210
Frequency: 89.9 MHz
AMSL Height: 140.0 m
Elevation: 89.0 m
HAAT: 86.0 m
Horiz. Antenna Pattern: Directional

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 10.0 %
of Radials Calculated: 360
Field Strength: 40.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	56.5	70.1
1.0	56.2	70.7
2.0	55.9	71.7
3.0	55.6	72.5
4.0	55.1	72.6
5.0	54.6	72.6
6.0	54.0	72.6
7.0	53.5	72.6
8.0	53.1	73.2
9.0	52.8	74.5
10.0	52.6	76.0
11.0	52.4	77.2
12.0	52.1	77.9
13.0	51.8	78.7
14.0	51.4	79.4
15.0	50.8	79.4
16.0	50.2	79.1
17.0	49.7	79.3
18.0	49.2	79.8
19.0	48.8	80.6
20.0	48.4	81.6
21.0	48.2	82.4
22.0	47.9	83.1
23.0	47.6	83.8
24.0	47.3	84.3
25.0	46.8	84.4
26.0	46.3	84.3
27.0	45.8	84.2
28.0	45.3	84.0
29.0	44.8	84.1
30.0	44.2	84.0
31.0	43.8	84.2
32.0	43.4	84.4
33.0	43.0	84.7
34.0	42.6	85.0

West Helena, AR APP F(50,10) 40.0 dBuV/m Terrain Data

35.0	42.2	85.6
36.0	41.9	86.4
37.0	41.6	87.3
38.0	41.2	88.0
39.0	40.8	88.4
40.0	40.4	88.8
41.0	40.6	88.8
42.0	40.8	88.6
43.0	41.0	88.2
44.0	41.1	87.9
45.0	41.3	87.7
46.0	41.5	87.4
47.0	41.7	87.3
48.0	41.9	87.3
49.0	42.1	87.3
50.0	42.4	87.2
51.0	42.6	87.3
52.0	42.8	87.3
53.0	43.0	87.1
54.0	43.1	86.7
55.0	43.2	86.3
56.0	43.4	86.1
57.0	43.6	86.0
58.0	43.8	86.0
59.0	44.0	86.0
60.0	44.3	86.0
61.0	44.5	86.0
62.0	44.8	86.0
63.0	45.0	86.0
64.0	45.3	86.0
65.0	45.5	86.0
66.0	45.8	86.1
67.0	46.1	86.3
68.0	46.4	86.6
69.0	46.7	86.8
70.0	47.0	86.9
71.0	47.4	86.9
72.0	47.8	87.0
73.0	48.3	87.1
74.0	48.7	87.1
75.0	49.1	87.3
76.0	49.5	87.3
77.0	49.9	87.4
78.0	50.3	87.4
79.0	50.7	87.5
80.0	51.0	87.5
81.0	51.4	87.6
82.0	51.8	87.6
83.0	52.2	87.6
84.0	52.6	87.5
85.0	53.0	87.5
86.0	53.3	87.4
87.0	53.7	87.3
88.0	54.0	87.1
89.0	54.3	87.1
90.0	54.7	87.1
91.0	55.3	87.1

West Helena, AR APP F(50,10) 40.0 dBuV/m Terrain Data

92.0	55.8	87.2
93.0	56.3	87.2
94.0	56.9	87.2
95.0	57.4	87.3
96.0	57.9	87.3
97.0	58.4	87.3
98.0	58.9	87.3
99.0	59.4	87.3
100.0	59.9	87.3
101.0	60.4	87.4
102.0	60.9	87.5
103.0	61.4	87.6
104.0	61.9	87.7
105.0	62.4	87.7
106.0	62.8	87.7
107.0	63.3	87.7
108.0	63.8	87.8
109.0	64.3	87.8
110.0	64.8	87.9
111.0	65.4	88.0
112.0	66.1	88.2
113.0	66.7	88.3
114.0	67.3	88.5
115.0	67.9	88.4
116.0	68.4	88.1
117.0	68.9	87.6
118.0	69.4	87.3
119.0	69.9	87.1
120.0	70.4	87.0
121.0	70.9	87.0
122.0	71.3	87.1
123.0	71.8	87.1
124.0	72.2	87.2
125.0	72.7	87.2
126.0	73.1	87.3
127.0	73.6	87.4
128.0	74.0	87.6
129.0	74.6	88.2
130.0	75.1	89.0
131.0	75.5	89.3
132.0	75.9	89.4
133.0	76.2	89.6
134.0	76.6	89.7
135.0	76.8	89.5
136.0	77.0	88.9
137.0	77.3	88.4
138.0	77.6	88.4
139.0	77.9	88.6
140.0	78.2	88.6
141.0	78.2	88.7
142.0	78.3	88.8
143.0	78.3	89.0
144.0	78.3	89.1
145.0	78.4	89.2
146.0	78.4	89.2
147.0	78.4	89.2
148.0	78.4	89.2

West Helena, AR APP F(50,10) 40.0 dBuV/m Terrain Data

149.0	78.4	89.3
150.0	78.4	89.3
151.0	78.4	89.4
152.0	78.4	89.5
153.0	78.4	89.6
154.0	78.4	89.6
155.0	78.4	89.7
156.0	78.5	90.2
157.0	78.7	90.8
158.0	78.7	91.2
159.0	78.8	91.4
160.0	78.8	91.4
161.0	78.7	91.3
162.0	78.7	90.8
163.0	78.6	90.4
164.0	78.6	90.4
165.0	78.6	90.4
166.0	78.5	90.2
167.0	78.4	89.7
168.0	78.4	89.2
169.0	78.2	88.7
170.0	78.1	88.1
171.0	78.1	88.0
172.0	78.1	88.1
173.0	78.1	88.1
174.0	78.1	88.2
175.0	78.2	88.2
176.0	78.2	88.2
177.0	78.2	88.3
178.0	78.2	88.3
179.0	78.2	88.3
180.0	78.2	88.2
181.0	78.2	88.2
182.0	78.1	88.1
183.0	78.1	88.1
184.0	78.1	88.0
185.0	78.1	87.9
186.0	78.1	87.8
187.0	78.1	87.7
188.0	78.0	87.6
189.0	78.0	87.5
190.0	78.0	87.4
191.0	78.0	87.4
192.0	78.0	87.3
193.0	78.0	87.2
194.0	77.9	87.0
195.0	77.9	86.9
196.0	77.9	86.7
197.0	77.9	86.7
198.0	77.9	86.7
199.0	77.9	86.7
200.0	77.9	86.7
201.0	77.9	86.7
202.0	77.9	86.7
203.0	77.9	86.7
204.0	77.9	86.7
205.0	77.9	86.7

West Helena, AR APP F(50,10) 40.0 dBuV/m Terrain Data

206.0	77.9	86.7
207.0	77.9	86.7
208.0	77.9	86.6
209.0	77.9	86.6
210.0	77.9	86.6
211.0	77.9	86.6
212.0	77.8	86.6
213.0	77.8	86.6
214.0	77.8	86.6
215.0	77.8	86.6
216.0	77.8	86.6
217.0	77.8	86.5
218.0	77.8	86.5
219.0	77.9	86.8
220.0	78.0	87.2
221.0	78.0	87.3
222.0	78.0	87.3
223.0	78.0	87.3
224.0	77.9	87.1
225.0	77.9	86.8
226.0	77.9	86.7
227.0	77.8	86.6
228.0	77.8	86.6
229.0	77.8	86.6
230.0	77.8	86.6
231.0	77.8	86.6
232.0	77.9	86.6
233.0	77.9	86.7
234.0	77.9	86.7
235.0	77.9	86.7
236.0	77.9	86.7
237.0	77.9	86.6
238.0	77.9	86.7
239.0	77.8	86.6
240.0	77.8	86.6
241.0	77.8	86.6
242.0	77.8	86.6
243.0	77.8	86.6
244.0	77.8	86.6
245.0	77.9	86.6
246.0	77.9	86.6
247.0	77.9	86.7
248.0	77.9	86.7
249.0	77.9	86.8
250.0	77.9	86.8
251.0	77.9	86.9
252.0	77.9	86.9
253.0	77.9	87.0
254.0	77.9	87.0
255.0	77.9	87.1
256.0	77.9	87.1
257.0	78.0	87.2
258.0	77.9	87.1
259.0	77.9	86.9
260.0	77.8	86.5
261.0	77.7	86.0
262.0	77.7	85.9

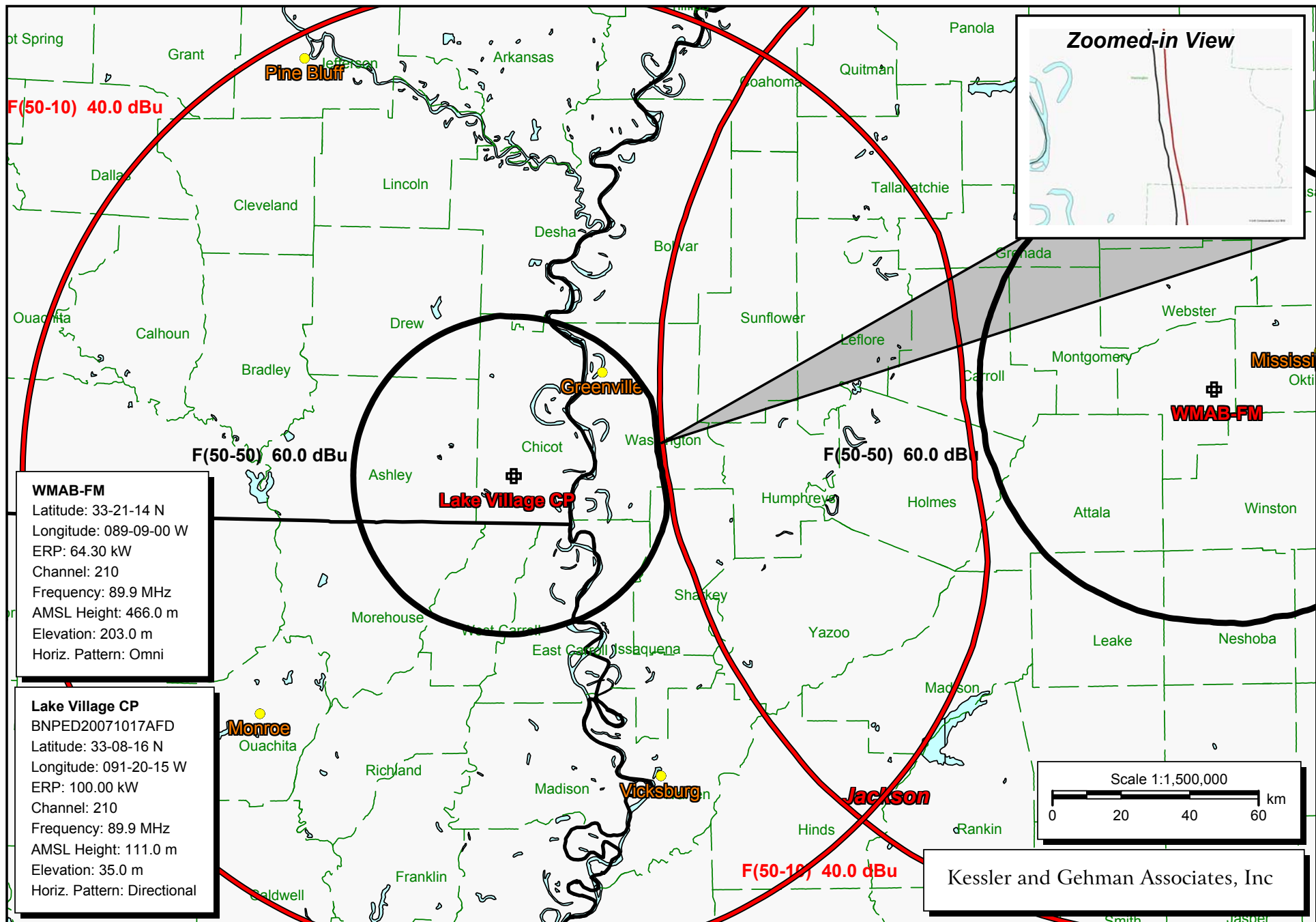
West Helena, AR APP F(50,10) 40.0 dBuV/m Terrain Data

263.0	77.7	85.8
264.0	77.7	85.8
265.0	77.7	85.8
266.0	77.7	85.8
267.0	77.7	85.9
268.0	77.7	86.0
269.0	77.7	85.9
270.0	77.6	85.3
271.0	77.4	84.6
272.0	77.4	84.1
273.0	77.3	83.7
274.0	77.1	82.9
275.0	77.0	82.6
276.0	77.0	82.4
277.0	76.9	82.1
278.0	76.9	81.8
279.0	76.8	81.3
280.0	76.6	80.4
281.0	76.5	80.0
282.0	76.4	79.6
283.0	76.4	79.4
284.0	76.3	79.1
285.0	76.3	78.7
286.0	76.2	78.4
287.0	76.1	78.1
288.0	76.1	77.9
289.0	76.0	77.6
290.0	76.0	77.4
291.0	75.9	77.2
292.0	75.9	76.8
293.0	75.8	76.4
294.0	75.7	76.3
295.0	75.7	76.2
296.0	75.7	76.1
297.0	75.7	76.1
298.0	75.7	76.0
299.0	75.7	76.1
300.0	75.7	76.3
301.0	75.8	76.4
302.0	75.7	76.3
303.0	75.7	75.9
304.0	75.6	75.4
305.0	75.5	75.0
306.0	75.4	74.6
307.0	75.3	74.2
308.0	75.2	73.8
309.0	75.1	73.5
310.0	75.1	73.2
311.0	75.0	72.9
312.0	75.0	72.6
313.0	74.9	72.2
314.0	74.7	71.6
315.0	74.5	70.7
316.0	74.3	69.8
317.0	74.2	69.1
318.0	74.0	68.5
319.0	73.9	68.1

West Helena, AR APP F(50,10) 40.0 dBuV/m Terrain Data

320.0	73.8	67.4
321.0	73.2	66.3
322.0	72.6	65.3
323.0	72.0	64.5
324.0	71.5	63.8
325.0	71.0	63.1
326.0	70.5	62.4
327.0	69.9	61.6
328.0	69.1	59.9
329.0	68.0	57.3
330.0	66.5	53.9
331.0	64.7	50.4
332.0	62.8	47.1
333.0	60.9	44.1
334.0	58.6	40.5
335.0	56.4	37.5
336.0	55.9	37.7
337.0	56.0	38.9
338.0	55.8	39.8
339.0	55.5	40.4
340.0	55.5	41.5
341.0	55.8	43.0
342.0	55.8	43.9
343.0	55.6	44.4
344.0	55.4	44.9
345.0	55.2	45.4
346.0	55.5	47.0
347.0	56.2	49.8
348.0	57.3	53.7
349.0	58.0	57.4
350.0	59.0	62.1
351.0	59.5	65.8
352.0	59.8	68.5
353.0	59.5	69.2
354.0	59.0	68.9
355.0	58.5	69.0
356.0	58.2	69.3
357.0	57.7	69.4
358.0	57.3	69.5
359.0	56.9	69.6

Average HAAT for radials shown: 81.7 m



WMAB-FM (Proposed) & Lake Village, AR CP Allocation Study

Lake Village, AR APP F(50,50) 60.0 dBuV/m Terrain Data

Call Letters: Lake Village CP
 File Number: BNPED20071017AFD
 Latitude: 33-08-16 N
 Longitude: 091-20-15 W
 ERP: 100.00 kW
 Channel: 210
 Frequency: 89.9 MHz
 AMSL Height: 111.0 m
 Elevation: 35.0 m
 HAAT: 78.0 m
 Horiz. Antenna Pattern: Directional

Type of contour: FCC
 Location Variability: 50.0 %
 Time Variability: 50.0 %
 # of Radials Calculated: 360
 Field Strength: 60.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	46.4	78.2
1.0	46.4	78.2
2.0	46.4	78.2
3.0	46.4	78.2
4.0	46.4	78.2
5.0	46.4	78.2
6.0	46.3	78.2
7.0	46.3	78.1
8.0	46.3	78.1
9.0	46.3	78.0
10.0	46.3	78.0
11.0	46.3	77.9
12.0	46.3	77.9
13.0	46.2	77.7
14.0	46.2	77.7
15.0	46.2	77.7
16.0	46.2	77.7
17.0	46.2	77.6
18.0	46.2	77.6
19.0	46.2	77.6
20.0	46.2	77.5
21.0	46.2	77.5
22.0	46.2	77.5
23.0	46.2	77.6
24.0	46.2	77.6
25.0	46.2	77.6
26.0	46.2	77.5
27.0	46.2	77.3
28.0	46.2	77.3
29.0	46.2	77.5
30.0	46.2	77.6
31.0	46.2	77.6
32.0	46.2	77.6
33.0	46.2	77.5
34.0	46.2	77.5

Lake Village, AR APP F(50,50) 60.0 dBuV/m Terrain Data

35.0	46.2	77.3
36.0	46.1	77.1
37.0	46.1	77.1
38.0	46.1	77.2
39.0	46.1	77.2
40.0	46.1	77.1
41.0	46.1	77.0
42.0	46.1	76.9
43.0	46.1	76.9
44.0	46.1	76.8
45.0	46.0	76.8
46.0	46.0	76.8
47.0	46.0	76.7
48.0	45.9	76.3
49.0	45.9	76.2
50.0	45.9	76.1
51.0	45.9	76.0
52.0	45.8	75.7
53.0	45.8	75.7
54.0	45.8	75.6
55.0	45.8	75.6
56.0	45.8	75.7
57.0	45.8	75.8
58.0	45.8	75.9
59.0	45.9	76.0
60.0	45.9	76.2
61.0	45.7	76.2
62.0	45.5	76.3
63.0	45.3	76.4
64.0	45.1	76.5
65.0	44.9	76.5
66.0	44.7	76.5
67.0	44.5	76.4
68.0	44.2	76.3
69.0	44.0	76.2
70.0	43.8	76.2
71.0	43.6	76.2
72.0	43.5	76.2
73.0	43.4	76.3
74.0	43.2	76.3
75.0	43.1	76.3
76.0	42.9	76.3
77.0	42.8	76.2
78.0	42.7	76.3
79.0	42.5	76.4
80.0	42.4	76.5
81.0	42.5	76.7
82.0	42.6	77.0
83.0	42.7	77.0
84.0	42.7	77.1
85.0	42.7	76.8
86.0	42.8	77.0
87.0	43.1	78.1
88.0	43.3	78.9
89.0	43.3	78.8
90.0	43.3	78.6
91.0	43.5	78.4

Lake Village, AR APP F(50,50) 60.0 dBuV/m Terrain Data

92.0	43.7	78.2
93.0	43.9	77.9
94.0	44.0	77.7
95.0	44.2	77.6
96.0	44.5	77.6
97.0	44.7	77.5
98.0	44.9	77.4
99.0	45.1	77.5
100.0	45.3	77.6
101.0	45.4	77.6
102.0	45.6	77.8
103.0	45.7	78.0
104.0	45.9	78.3
105.0	45.9	78.3
106.0	45.9	77.9
107.0	45.9	77.5
108.0	45.9	77.0
109.0	45.9	76.8
110.0	46.1	76.8
111.0	46.0	76.7
112.0	46.0	76.4
113.0	46.0	76.4
114.0	46.0	76.6
115.0	46.0	76.8
116.0	46.1	76.9
117.0	46.1	77.1
118.0	46.1	77.2
119.0	46.2	77.4
120.0	46.2	77.5
121.0	46.2	77.5
122.0	46.3	77.7
123.0	46.3	77.9
124.0	46.3	78.0
125.0	46.3	77.9
126.0	46.3	77.8
127.0	46.2	77.4
128.0	46.1	77.1
129.0	46.1	76.9
130.0	46.0	76.8
131.0	46.0	76.7
132.0	46.0	76.7
133.0	46.0	76.7
134.0	46.1	76.8
135.0	46.1	76.9
136.0	46.1	76.8
137.0	46.0	76.8
138.0	46.1	76.9
139.0	46.1	77.0
140.0	46.1	76.9
141.0	46.0	76.6
142.0	46.0	76.6
143.0	46.0	76.6
144.0	46.0	76.7
145.0	46.0	76.7
146.0	46.0	76.6
147.0	46.0	76.5
148.0	46.0	76.4

Lake Village, AR APP F(50,50) 60.0 dBuV/m Terrain Data

149.0	45.9	76.3
150.0	45.9	76.2
151.0	45.9	76.2
152.0	45.9	76.2
153.0	45.9	76.3
154.0	45.9	76.1
155.0	45.8	75.8
156.0	45.7	75.5
157.0	45.6	75.0
158.0	45.5	74.5
159.0	45.5	74.4
160.0	45.5	74.3
161.0	45.5	74.2
162.0	45.5	74.2
163.0	45.5	74.3
164.0	45.5	74.4
165.0	45.5	74.4
166.0	45.5	74.4
167.0	45.5	74.4
168.0	45.5	74.5
169.0	45.5	74.5
170.0	45.5	74.6
171.0	45.6	74.7
172.0	45.6	74.8
173.0	45.6	74.9
174.0	45.7	75.2
175.0	45.8	75.6
176.0	45.9	76.1
177.0	45.9	76.3
178.0	46.0	76.6
179.0	46.0	76.7
180.0	46.0	76.8
181.0	46.0	76.8
182.0	46.0	76.8
183.0	46.0	76.8
184.0	46.0	76.8
185.0	46.1	76.9
186.0	46.1	77.0
187.0	46.1	77.0
188.0	46.1	77.3
189.0	46.2	77.5
190.0	46.2	77.6
191.0	46.3	77.7
192.0	46.3	77.9
193.0	46.3	77.9
194.0	46.3	77.9
195.0	46.3	78.0
196.0	46.3	78.0
197.0	46.3	78.0
198.0	46.3	78.0
199.0	46.3	78.1
200.0	46.4	78.3
201.0	46.4	78.5
202.0	46.5	78.7
203.0	46.5	78.9
204.0	46.6	79.3
205.0	46.6	79.5

Lake Village, AR APP F(50,50) 60.0 dBuV/m Terrain Data

206.0	46.7	79.9
207.0	46.8	80.2
208.0	46.8	80.3
209.0	46.9	80.5
210.0	46.9	80.7
211.0	47.0	80.9
212.0	47.0	81.1
213.0	47.0	81.2
214.0	47.0	81.3
215.0	47.0	81.2
216.0	47.0	81.2
217.0	47.0	81.4
218.0	47.1	81.4
219.0	47.1	81.5
220.0	47.1	81.6
221.0	47.1	81.7
222.0	47.1	81.7
223.0	47.1	81.8
224.0	47.1	81.7
225.0	47.1	81.5
226.0	47.0	81.3
227.0	47.0	81.2
228.0	47.0	81.0
229.0	46.9	80.8
230.0	46.9	80.7
231.0	46.9	80.6
232.0	46.9	80.6
233.0	46.9	80.5
234.0	46.8	80.4
235.0	46.8	80.3
236.0	46.8	80.3
237.0	46.8	80.3
238.0	46.8	80.2
239.0	46.8	80.2
240.0	46.8	80.1
241.0	46.8	80.1
242.0	46.8	80.1
243.0	46.8	80.1
244.0	46.8	80.0
245.0	46.7	80.0
246.0	46.8	80.0
247.0	46.8	80.0
248.0	46.7	79.9
249.0	46.7	79.9
250.0	46.7	79.9
251.0	46.7	79.9
252.0	46.7	79.9
253.0	46.7	79.9
254.0	46.7	79.9
255.0	46.7	79.8
256.0	46.7	79.8
257.0	46.7	79.8
258.0	46.7	79.7
259.0	46.7	79.6
260.0	46.7	79.6
261.0	46.7	79.7
262.0	46.7	79.6

Lake Village, AR APP F(50,50) 60.0 dBuV/m Terrain Data

263.0	46.7	79.6
264.0	46.7	79.6
265.0	46.7	79.6
266.0	46.6	79.5
267.0	46.6	79.5
268.0	46.6	79.5
269.0	46.6	79.5
270.0	46.6	79.5
271.0	46.6	79.5
272.0	46.6	79.5
273.0	46.6	79.5
274.0	46.6	79.5
275.0	46.7	79.5
276.0	46.6	79.5
277.0	46.6	79.5
278.0	46.6	79.5
279.0	46.6	79.5
280.0	46.6	79.4
281.0	46.6	79.4
282.0	46.6	79.4
283.0	46.6	79.5
284.0	46.6	79.4
285.0	46.6	79.3
286.0	46.6	79.2
287.0	46.6	79.1
288.0	46.5	79.1
289.0	46.5	79.0
290.0	46.5	79.0
291.0	46.5	78.9
292.0	46.5	78.9
293.0	46.5	78.9
294.0	46.5	78.8
295.0	46.5	78.7
296.0	46.5	78.6
297.0	46.5	78.7
298.0	46.5	78.7
299.0	46.4	78.6
300.0	46.4	78.6
301.0	46.4	78.6
302.0	46.4	78.6
303.0	46.4	78.6
304.0	46.4	78.5
305.0	46.4	78.5
306.0	46.4	78.4
307.0	46.4	78.4
308.0	46.4	78.4
309.0	46.4	78.3
310.0	46.4	78.3
311.0	46.4	78.3
312.0	46.4	78.3
313.0	46.4	78.3
314.0	46.4	78.2
315.0	46.3	78.1
316.0	46.3	78.1
317.0	46.3	78.1
318.0	46.3	78.1
319.0	46.3	78.1

Lake Village, AR APP F(50,50) 60.0 dBuV/m Terrain Data

320.0	46.3	78.1
321.0	46.3	78.1
322.0	46.3	78.1
323.0	46.3	78.2
324.0	46.3	78.2
325.0	46.3	78.2
326.0	46.3	78.2
327.0	46.3	78.2
328.0	46.4	78.2
329.0	46.4	78.2
330.0	46.4	78.2
331.0	46.4	78.2
332.0	46.4	78.2
333.0	46.4	78.2
334.0	46.4	78.3
335.0	46.4	78.3
336.0	46.4	78.3
337.0	46.4	78.3
338.0	46.4	78.3
339.0	46.4	78.3
340.0	46.4	78.3
341.0	46.4	78.3
342.0	46.4	78.3
343.0	46.4	78.3
344.0	46.4	78.4
345.0	46.4	78.4
346.0	46.4	78.6
347.0	46.5	78.7
348.0	46.5	78.9
349.0	46.6	79.1
350.0	46.6	79.2
351.0	46.6	79.2
352.0	46.6	79.5
353.0	46.8	80.0
354.0	46.8	80.1
355.0	46.8	80.0
356.0	46.6	79.5
357.0	46.5	78.8
358.0	46.4	78.6
359.0	46.4	78.3

Average HAAT for radials shown: 78.0 m

Lake Village, AR APP F(50,10) 40.0 dBuV/m Terrain Data

Call Letters: Lake Village CP
 File Number: BNPED20071017AFD
 Latitude: 33-08-16 N
 Longitude: 091-20-15 W
 ERP: 100.00 kW
 Channel: 210
 Frequency: 89.9 MHz
 AMSL Height: 111.0 m
 Elevation: 35.0 m
 HAAT: 78.0 m
 Horiz. Antenna Pattern: Directional

Type of contour: FCC
 Location Variability: 50.0 %
 Time Variability: 10.0 %
 # of Radials Calculated: 360
 Field Strength: 40.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	142.6	78.2
1.0	142.6	78.2
2.0	142.6	78.2
3.0	142.6	78.2
4.0	142.6	78.2
5.0	142.6	78.2
6.0	142.6	78.2
7.0	142.6	78.1
8.0	142.6	78.1
9.0	142.6	78.0
10.0	142.6	78.0
11.0	142.6	77.9
12.0	142.6	77.9
13.0	142.5	77.7
14.0	142.5	77.7
15.0	142.5	77.7
16.0	142.5	77.7
17.0	142.5	77.6
18.0	142.5	77.6
19.0	142.5	77.6
20.0	142.5	77.5
21.0	142.5	77.5
22.0	142.5	77.5
23.0	142.5	77.6
24.0	142.5	77.6
25.0	142.5	77.6
26.0	142.5	77.5
27.0	142.5	77.3
28.0	142.4	77.3
29.0	142.5	77.5
30.0	142.5	77.6
31.0	142.5	77.6
32.0	142.5	77.6
33.0	142.5	77.5
34.0	142.5	77.5

Lake Village, AR APP F(50,10) 40.0 dBuV/m Terrain Data

35.0	142.5	77.3
36.0	142.4	77.1
37.0	142.4	77.1
38.0	142.4	77.2
39.0	142.4	77.2
40.0	142.4	77.1
41.0	142.4	77.0
42.0	142.4	76.9
43.0	142.4	76.9
44.0	142.4	76.8
45.0	142.4	76.8
46.0	142.4	76.8
47.0	142.3	76.7
48.0	142.3	76.3
49.0	142.3	76.2
50.0	142.2	76.1
51.0	142.2	76.0
52.0	142.2	75.7
53.0	142.2	75.7
54.0	142.2	75.6
55.0	142.1	75.6
56.0	142.2	75.7
57.0	142.2	75.8
58.0	142.2	75.9
59.0	142.2	76.0
60.0	142.2	76.2
61.0	141.7	76.2
62.0	141.2	76.3
63.0	140.6	76.4
64.0	140.0	76.5
65.0	139.5	76.5
66.0	138.9	76.5
67.0	138.3	76.4
68.0	137.6	76.3
69.0	137.0	76.2
70.0	136.4	76.2
71.0	136.0	76.2
72.0	135.7	76.2
73.0	135.3	76.3
74.0	135.0	76.3
75.0	134.6	76.3
76.0	134.2	76.3
77.0	133.8	76.2
78.0	133.4	76.3
79.0	133.1	76.4
80.0	132.7	76.5
81.0	132.8	76.7
82.0	133.0	77.0
83.0	133.1	77.0
84.0	133.2	77.1
85.0	133.3	76.8
86.0	133.4	77.0
87.0	133.8	78.1
88.0	134.0	78.9
89.0	134.1	78.8
90.0	134.2	78.6
91.0	134.8	78.4

Lake Village, AR APP F(50,10) 40.0 dBuV/m Terrain Data

92.0	135.4	78.2
93.0	136.0	77.9
94.0	136.6	77.7
95.0	137.2	77.6
96.0	137.8	77.6
97.0	138.4	77.5
98.0	138.9	77.4
99.0	139.5	77.5
100.0	140.1	77.6
101.0	140.4	77.6
102.0	140.6	77.8
103.0	140.9	78.0
104.0	141.2	78.3
105.0	141.5	78.3
106.0	141.6	77.9
107.0	141.8	77.5
108.0	141.9	77.0
109.0	142.1	76.8
110.0	142.4	76.8
111.0	142.3	76.7
112.0	142.3	76.4
113.0	142.3	76.4
114.0	142.3	76.6
115.0	142.4	76.8
116.0	142.4	76.9
117.0	142.4	77.1
118.0	142.4	77.2
119.0	142.5	77.4
120.0	142.5	77.5
121.0	142.5	77.5
122.0	142.5	77.7
123.0	142.6	77.9
124.0	142.6	78.0
125.0	142.6	77.9
126.0	142.5	77.8
127.0	142.5	77.4
128.0	142.4	77.1
129.0	142.4	76.9
130.0	142.4	76.8
131.0	142.3	76.7
132.0	142.3	76.7
133.0	142.3	76.7
134.0	142.4	76.8
135.0	142.4	76.9
136.0	142.4	76.8
137.0	142.4	76.8
138.0	142.4	76.9
139.0	142.4	77.0
140.0	142.4	76.9
141.0	142.3	76.6
142.0	142.3	76.6
143.0	142.3	76.6
144.0	142.3	76.7
145.0	142.3	76.7
146.0	142.3	76.6
147.0	142.3	76.5
148.0	142.3	76.4

Lake Village, AR APP F(50,10) 40.0 dBuV/m Terrain Data

149.0	142.3	76.3
150.0	142.2	76.2
151.0	142.2	76.2
152.0	142.3	76.2
153.0	142.3	76.3
154.0	142.2	76.1
155.0	142.2	75.8
156.0	142.1	75.5
157.0	142.0	75.0
158.0	142.0	74.5
159.0	141.9	74.4
160.0	141.9	74.3
161.0	141.9	74.2
162.0	141.9	74.2
163.0	141.9	74.3
164.0	141.9	74.4
165.0	141.9	74.4
166.0	141.9	74.4
167.0	141.9	74.4
168.0	141.9	74.5
169.0	141.9	74.5
170.0	142.0	74.6
171.0	142.0	74.7
172.0	142.0	74.8
173.0	142.0	74.9
174.0	142.1	75.2
175.0	142.2	75.6
176.0	142.2	76.1
177.0	142.3	76.3
178.0	142.3	76.6
179.0	142.3	76.7
180.0	142.4	76.8
181.0	142.4	76.8
182.0	142.4	76.8
183.0	142.4	76.8
184.0	142.4	76.8
185.0	142.4	76.9
186.0	142.4	77.0
187.0	142.4	77.0
188.0	142.4	77.3
189.0	142.5	77.5
190.0	142.5	77.6
191.0	142.5	77.7
192.0	142.6	77.9
193.0	142.6	77.9
194.0	142.6	77.9
195.0	142.6	78.0
196.0	142.6	78.0
197.0	142.6	78.0
198.0	142.6	78.0
199.0	142.6	78.1
200.0	142.6	78.3
201.0	142.7	78.5
202.0	142.7	78.7
203.0	142.7	78.9
204.0	142.8	79.3
205.0	142.8	79.5

Lake Village, AR APP F(50,10) 40.0 dBuV/m Terrain Data

206.0	142.9	79.9
207.0	143.0	80.2
208.0	143.0	80.3
209.0	143.0	80.5
210.0	143.0	80.7
211.0	143.1	80.9
212.0	143.1	81.1
213.0	143.1	81.2
214.0	143.1	81.3
215.0	143.1	81.2
216.0	143.1	81.2
217.0	143.2	81.4
218.0	143.2	81.4
219.0	143.2	81.5
220.0	143.2	81.6
221.0	143.2	81.7
222.0	143.2	81.7
223.0	143.2	81.8
224.0	143.2	81.7
225.0	143.2	81.5
226.0	143.2	81.3
227.0	143.1	81.2
228.0	143.1	81.0
229.0	143.1	80.8
230.0	143.0	80.7
231.0	143.0	80.6
232.0	143.0	80.6
233.0	143.0	80.5
234.0	143.0	80.4
235.0	143.0	80.3
236.0	143.0	80.3
237.0	143.0	80.3
238.0	143.0	80.2
239.0	143.0	80.2
240.0	142.9	80.1
241.0	142.9	80.1
242.0	142.9	80.1
243.0	142.9	80.1
244.0	142.9	80.0
245.0	142.9	80.0
246.0	142.9	80.0
247.0	142.9	80.0
248.0	142.9	79.9
249.0	142.9	79.9
250.0	142.9	79.9
251.0	142.9	79.9
252.0	142.9	79.9
253.0	142.9	79.9
254.0	142.9	79.9
255.0	142.9	79.8
256.0	142.9	79.8
257.0	142.9	79.8
258.0	142.9	79.7
259.0	142.9	79.6
260.0	142.9	79.6
261.0	142.9	79.7
262.0	142.9	79.6

Lake Village, AR APP F(50,10) 40.0 dBuV/m Terrain Data

263.0	142.9	79.6
264.0	142.9	79.6
265.0	142.9	79.6
266.0	142.8	79.5
267.0	142.8	79.5
268.0	142.8	79.5
269.0	142.8	79.5
270.0	142.8	79.5
271.0	142.8	79.5
272.0	142.8	79.5
273.0	142.8	79.5
274.0	142.8	79.5
275.0	142.8	79.5
276.0	142.8	79.5
277.0	142.8	79.5
278.0	142.8	79.5
279.0	142.8	79.5
280.0	142.8	79.4
281.0	142.8	79.4
282.0	142.8	79.4
283.0	142.8	79.5
284.0	142.8	79.4
285.0	142.8	79.3
286.0	142.8	79.2
287.0	142.8	79.1
288.0	142.8	79.1
289.0	142.8	79.0
290.0	142.7	79.0
291.0	142.7	78.9
292.0	142.7	78.9
293.0	142.7	78.9
294.0	142.7	78.8
295.0	142.7	78.7
296.0	142.7	78.6
297.0	142.7	78.7
298.0	142.7	78.7
299.0	142.7	78.6
300.0	142.7	78.6
301.0	142.7	78.6
302.0	142.7	78.6
303.0	142.7	78.6
304.0	142.7	78.5
305.0	142.7	78.5
306.0	142.6	78.4
307.0	142.6	78.4
308.0	142.6	78.4
309.0	142.6	78.3
310.0	142.6	78.3
311.0	142.6	78.3
312.0	142.6	78.3
313.0	142.6	78.3
314.0	142.6	78.2
315.0	142.6	78.1
316.0	142.6	78.1
317.0	142.6	78.1
318.0	142.6	78.1
319.0	142.6	78.1

Lake Village, AR APP F(50,10) 40.0 dBuV/m Terrain Data

320.0	142.6	78.1
321.0	142.6	78.1
322.0	142.6	78.1
323.0	142.6	78.2
324.0	142.6	78.2
325.0	142.6	78.2
326.0	142.6	78.2
327.0	142.6	78.2
328.0	142.6	78.2
329.0	142.6	78.2
330.0	142.6	78.2
331.0	142.6	78.2
332.0	142.6	78.2
333.0	142.6	78.2
334.0	142.6	78.3
335.0	142.6	78.3
336.0	142.6	78.3
337.0	142.6	78.3
338.0	142.6	78.3
339.0	142.6	78.3
340.0	142.6	78.3
341.0	142.6	78.3
342.0	142.6	78.3
343.0	142.6	78.3
344.0	142.6	78.4
345.0	142.6	78.4
346.0	142.7	78.6
347.0	142.7	78.7
348.0	142.7	78.9
349.0	142.8	79.1
350.0	142.8	79.2
351.0	142.8	79.2
352.0	142.8	79.5
353.0	142.9	80.0
354.0	142.9	80.1
355.0	142.9	80.0
356.0	142.8	79.5
357.0	142.7	78.8
358.0	142.7	78.6
359.0	142.6	78.3

Average HAAT for radials shown: 78.0 m

Proposed WMAB-FM F(50,10) 40.0 dBuV/m Terrain Data

Call Letters: WMAB-FM
Latitude: 33-21-14 N
Longitude: 089-09-00 W
ERP: 64.30 kW
Channel: 210
Frequency: 89.9 MHz
AMSL Height: 466.0 m
Elevation: 203.0 m
HAAT: 323.5 m
Horiz. Antenna Pattern: Omni

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 10.0 %
of Radials Calculated: 360
Field Strength: 40.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	164.0	324.7
1.0	164.0	324.9
2.0	163.9	324.4
3.0	163.9	324.3
4.0	163.9	324.2
5.0	163.8	323.8
6.0	163.9	324.5
7.0	164.1	325.4
8.0	164.1	325.6
9.0	164.0	324.8
10.0	163.8	323.3
11.0	163.6	322.1
12.0	163.5	321.7
13.0	163.5	321.2
14.0	163.4	320.7
15.0	163.5	321.3
16.0	163.5	321.5
17.0	163.5	321.6
18.0	163.5	321.2
19.0	163.4	320.5
20.0	163.3	320.1
21.0	163.3	320.1
22.0	163.4	320.3
23.0	163.4	320.7
24.0	163.3	320.0
25.0	163.0	318.0
26.0	162.9	317.1
27.0	163.0	317.7
28.0	162.9	317.2
29.0	162.9	317.1
30.0	163.0	317.5
31.0	163.0	318.0
32.0	163.2	318.9
33.0	163.3	320.2
34.0	163.5	321.2
35.0	163.7	323.0

Proposed WMAB-FM F(50,10) 40.0 dBuV/m Terrain Data

36.0	164.1	326.0
37.0	164.4	328.1
38.0	164.8	330.4
39.0	165.0	331.7
40.0	165.0	332.3
41.0	165.1	332.6
42.0	165.2	333.6
43.0	165.3	333.9
44.0	165.3	334.0
45.0	165.3	334.4
46.0	165.4	335.1
47.0	165.5	335.9
48.0	165.7	337.0
49.0	165.7	337.1
50.0	165.8	337.3
51.0	165.9	338.7
52.0	166.1	339.5
53.0	166.2	340.8
54.0	166.4	341.9
55.0	166.6	343.3
56.0	166.7	344.3
57.0	166.8	344.8
58.0	166.9	345.5
59.0	167.0	346.3
60.0	167.1	347.0
61.0	167.2	347.2
62.0	167.1	347.1
63.0	167.3	347.9
64.0	167.4	348.8
65.0	167.5	349.6
66.0	167.5	349.7
67.0	167.5	349.8
68.0	167.5	349.9
69.0	167.7	351.0
70.0	167.9	352.5
71.0	168.1	354.0
72.0	168.2	354.9
73.0	168.2	354.9
74.0	168.2	354.8
75.0	168.1	354.4
76.0	168.0	353.4
77.0	167.9	352.6
78.0	167.9	352.4
79.0	167.9	352.8
80.0	168.0	353.4
81.0	168.1	354.2
82.0	168.2	355.0
83.0	168.3	355.6
84.0	168.3	355.6
85.0	168.3	355.3
86.0	168.2	355.0
87.0	168.2	354.7
88.0	168.2	354.6
89.0	168.1	354.5
90.0	168.2	354.6
91.0	168.2	354.9
92.0	168.2	355.1

Proposed WMAB-FM F(50,10) 40.0 dBuV/m Terrain Data

93.0	168.3	355.9
94.0	168.5	356.9
95.0	168.6	357.8
96.0	168.7	358.4
97.0	168.7	359.0
98.0	168.9	360.1
99.0	169.1	361.6
100.0	169.3	363.8
101.0	169.5	365.1
102.0	169.5	365.5
103.0	169.5	365.1
104.0	169.3	363.7
105.0	169.0	360.9
106.0	168.5	357.4
107.0	168.1	354.1
108.0	168.0	353.2
109.0	168.0	353.2
110.0	168.0	353.1
111.0	168.0	353.0
112.0	168.0	353.5
113.0	167.9	353.0
114.0	168.0	353.0
115.0	167.9	352.8
116.0	167.8	352.2
117.0	167.7	351.4
118.0	167.5	349.7
119.0	167.5	349.9
120.0	167.5	350.0
121.0	167.4	349.1
122.0	167.3	348.6
123.0	167.3	348.2
124.0	167.1	347.2
125.0	167.1	346.6
126.0	167.0	346.0
127.0	166.8	344.7
128.0	166.6	343.0
129.0	166.6	343.4
130.0	167.0	346.0
131.0	167.2	347.4
132.0	167.2	347.7
133.0	167.1	346.5
134.0	167.0	345.8
135.0	167.4	348.9
136.0	167.6	350.4
137.0	167.4	348.9
138.0	166.9	345.4
139.0	166.1	340.0
140.0	165.5	335.4
141.0	165.0	332.4
142.0	165.0	332.0
143.0	164.8	330.6
144.0	164.4	327.6
145.0	164.1	325.7
146.0	164.0	325.3
147.0	163.8	323.5
148.0	163.7	322.6
149.0	163.7	322.8

Proposed WMAB-FM F(50,10) 40.0 dBuV/m Terrain Data

150.0	163.7	323.0
151.0	164.0	324.8
152.0	164.0	325.3
153.0	164.3	326.9
154.0	164.4	327.9
155.0	164.4	327.6
156.0	164.1	325.6
157.0	164.0	325.4
158.0	163.9	324.2
159.0	163.4	320.9
160.0	163.3	320.0
161.0	163.3	320.1
162.0	163.2	319.5
163.0	162.9	317.1
164.0	162.3	312.4
165.0	161.9	309.1
166.0	161.7	307.2
167.0	161.7	307.7
168.0	162.0	310.1
169.0	162.1	310.7
170.0	162.1	310.4
171.0	162.0	310.2
172.0	162.1	310.9
173.0	162.1	311.0
174.0	162.0	309.9
175.0	161.6	307.0
176.0	161.2	302.7
177.0	161.0	301.3
178.0	161.0	301.0
179.0	160.8	299.8
180.0	160.8	299.1
181.0	160.6	297.6
182.0	160.4	295.0
183.0	160.3	294.9
184.0	160.4	295.1
185.0	160.4	295.0
186.0	160.3	294.6
187.0	160.3	294.5
188.0	160.3	294.4
189.0	160.3	294.4
190.0	160.4	295.3
191.0	160.5	296.4
192.0	160.6	297.4
193.0	160.6	297.1
194.0	160.5	296.5
195.0	160.6	297.4
196.0	160.7	298.2
197.0	160.7	298.8
198.0	160.8	299.2
199.0	160.9	300.0
200.0	160.9	300.7
201.0	160.9	300.1
202.0	160.8	299.4
203.0	160.8	299.0
204.0	160.8	299.7
205.0	160.8	299.8
206.0	160.8	299.4

Proposed WMAB-FM F(50,10) 40.0 dBuV/m Terrain Data

207.0	160.8	299.6
208.0	160.8	299.6
209.0	160.8	299.1
210.0	160.8	299.7
211.0	161.0	301.0
212.0	161.0	301.5
213.0	161.2	303.3
214.0	161.4	304.8
215.0	161.4	305.2
216.0	161.5	305.3
217.0	161.5	305.8
218.0	161.5	305.9
219.0	161.5	305.8
220.0	161.6	306.2
221.0	161.6	307.0
222.0	161.6	306.8
223.0	161.7	307.5
224.0	161.8	307.8
225.0	161.9	308.9
226.0	162.0	309.6
227.0	161.9	308.9
228.0	161.8	308.2
229.0	161.7	307.0
230.0	161.5	305.4
231.0	161.4	305.0
232.0	161.4	304.5
233.0	161.4	304.6
234.0	161.4	304.9
235.0	161.4	304.8
236.0	161.3	304.4
237.0	161.4	304.5
238.0	161.3	303.7
239.0	161.2	303.2
240.0	161.3	303.5
241.0	161.3	304.3
242.0	161.4	304.7
243.0	161.4	304.8
244.0	161.3	304.2
245.0	161.2	303.0
246.0	161.1	302.1
247.0	161.0	301.3
248.0	160.9	300.5
249.0	160.8	299.1
250.0	160.7	298.1
251.0	160.6	297.3
252.0	160.6	297.7
253.0	160.9	300.6
254.0	161.1	302.2
255.0	161.4	304.7
256.0	161.5	305.8
257.0	161.5	305.5
258.0	161.3	304.3
259.0	161.1	302.0
260.0	160.9	300.2
261.0	160.9	300.0
262.0	161.1	301.9
263.0	161.2	302.9

Proposed WMAB-FM F(50,10) 40.0 dBuV/m Terrain Data

264.0	161.1	302.3
265.0	161.2	302.9
266.0	161.2	303.0
267.0	161.2	303.1
268.0	161.2	302.7
269.0	161.2	303.2
270.0	161.2	303.4
271.0	161.1	302.3
272.0	161.2	302.8
273.0	161.2	303.5
274.0	161.3	303.6
275.0	161.3	304.4
276.0	161.5	305.6
277.0	161.6	306.5
278.0	161.8	308.3
279.0	161.8	308.0
280.0	161.7	307.5
281.0	161.8	308.2
282.0	161.8	308.6
283.0	161.8	308.3
284.0	161.8	308.4
285.0	161.9	308.9
286.0	161.9	308.8
287.0	161.9	309.2
288.0	161.9	309.0
289.0	161.8	308.1
290.0	161.9	309.0
291.0	161.8	308.6
292.0	161.8	308.4
293.0	161.8	308.5
294.0	161.8	308.5
295.0	161.9	309.2
296.0	162.0	309.8
297.0	162.1	311.1
298.0	162.4	313.2
299.0	162.6	314.9
300.0	162.6	314.4
301.0	162.5	314.2
302.0	162.6	314.3
303.0	162.7	315.4
304.0	163.0	317.6
305.0	163.2	319.3
306.0	163.3	319.6
307.0	163.2	319.5
308.0	163.1	318.5
309.0	163.0	317.4
310.0	163.0	317.6
311.0	163.0	317.6
312.0	162.8	316.3
313.0	162.6	314.6
314.0	162.6	314.9
315.0	162.7	315.0
316.0	162.6	314.8
317.0	162.6	314.9
318.0	162.6	314.6
319.0	162.5	314.1
320.0	162.5	314.0

Proposed WMAB-FM F(50,10) 40.0 dBuV/m Terrain Data

321.0	162.5	313.7
322.0	162.4	313.2
323.0	162.4	313.1
324.0	162.3	312.5
325.0	162.2	311.3
326.0	162.1	310.5
327.0	162.0	309.8
328.0	162.0	309.7
329.0	162.1	311.0
330.0	162.4	313.0
331.0	162.6	314.8
332.0	162.8	316.2
333.0	163.0	317.5
334.0	163.1	318.1
335.0	163.2	319.0
336.0	163.2	319.2
337.0	163.2	318.8
338.0	163.2	319.5
339.0	163.2	319.6
340.0	163.2	319.3
341.0	163.2	319.5
342.0	163.4	320.6
343.0	163.3	320.2
344.0	163.3	320.1
345.0	163.3	320.1
346.0	163.4	320.8
347.0	163.6	321.8
348.0	163.5	321.7
349.0	163.5	321.2
350.0	163.3	320.0
351.0	163.2	319.3
352.0	163.2	319.3
353.0	163.2	319.1
354.0	163.2	319.3
355.0	163.3	319.8
356.0	163.4	320.7
357.0	163.7	322.8
358.0	163.9	324.3
359.0	163.9	324.4

Average HAAT for radials shown: 322.2 m



May 5, 2009

Mr. Bob Buie
Deputy Executive Director, Technical Services
Mississippi Authority for Educational Television
3825 Ridgewood Rd.
Jackson, MS 39211

Re: Application of Station WMAB-FM to Modify its Facilities

Dear Mr. Buie

By this letter, Commonwealth Broadcasting Group, Inc., licensee of Station WABG-TV, Greenwood, MS, hereby consents to the FCC's grant of the Mississippi Authority for Educational Television's (MAET) modification of construction permit application to modify the facilities of Station WMAB-FM so that it can operate using circular polarization. Station WABG-TV is no longer operating on Channel 6 and has no objection to the grant of MAET's application.

Sincerely yours,

Sherry Nelson
VP/General Manager
WABG-TV