

BEAVER COMMUNICATIONS
Radio Station WAGS
Bishopville, SC
1360 kHz, 5 kW-D, 0.038 kW-N, U

ENGINEERING STATEMENT

This engineering statement, together with the attached figures, has been prepared on behalf of Beaver Communications, licensee of AM radio station WAGS, Bishopville, SC(ID #9105), in support of a minor change application to change frequency from 1380 to 1360 kHz and increase daytime power from 1000 watts to 5000 watts and add 0.038 kW nighttime operation.

The WAGS tower is 59.4 m (195 ') above base insulator, 60.0 m (197') above ground level and does not require antenna structure registration. The WAGS ground system is depicted in Figure 2 and though irregular in shape will provide the correct average length for a full ground system at 1360 kHz.

ENVIRONMENTAL CONSIDERATIONS

The Commission's Rules implementing the Environmental Policy Act does not categorize this proposal as a major action, as it does not involve any of the facilities or actions listed under §1.305 or §1.307 of the Rules.

Regarding the non-ionizing radiofrequency emission from the proposed antenna, Table 2 on page 4 of O.E.T. Bulletin No. 65 (August 1997 Edition) lists the distance in meters at which fields from AM stations are predicted to fall below the FCC and ANSI maximum. Assuming a power of 5000 watts being fed by WAGS into the tower, Table 2 requires the fence to be at least 2 meters from the tower face. The tower fencing will be in compliance with the 2 meter requirement.

Since the fencing will be in agreement with O.E.T. Bulletin No. 65, this proposal will comply with both FCC and ANSI standards regarding radiofrequency exposure.

Should any maintenance worker require access to the tower, WAGS will either reduce power or cease operation until workers are outside the tower fence. Appropriate RF warning signs have been placed on all sides of the fence and it may be assumed that there will be no significant effect on the human environment with regard to exposure of the general public.

DAYTIME ALLOCATION CONSIDERATIONS

A study has been made of stations on 1360 kHz and on channels within 30 kHz of that frequency in determining the protection requirements of the proposed WAGS 5 kilowatt operation. Those stations which were deemed to merit particular consideration are:

WCHL - Chapel Hill, NC	1360 kHz, 5 kW-D, 5 kW-N, DA-N, U
WELP - Easley, SC	1360 kHz, 5 kW-D, 0.036 kW-N, U
WHCG - Metter, GA	1360 kHz; 1 kW-D, 0.059 kW-N, U
WGIV - Pineville, NC	1370 kHz; 16 kW-D, 0.045 kW-N, U
WTAB - Tabor City, NC	1370 kHz, 5 kW-D, 0.109 kW-N, U
WSSC - Sumter, SC	1340 kHz; 1 kW, U

The remaining stations studied were at such a distance so as not to require detailed contour protection. Figures 7A through 7C are allocation maps showing contours of particular allocation interest for this proposal and the above listed stations. Location of contours for these stations employed notified inverse fields for non-directional operation in conjunction with FCC M-3 soil conductivity.

NIGHTTIME ALLOCATION CONSIDERATIONS

Figure 9 is a detailed night limit study for this instant application showing both the 50% RSS and 25% RSS limits at WAGS to be 30.9 mV/m (rounded from 30.899 mV/m) with contributions from a new CP at Lithonia, GA, WCHL and WSAI.

Figure 10A, Pages 1 and 2, tabulate the WAGS nighttime constraints, while Figures 10B through 10E are detailed limit studies of WMNY, WAVL, WCHL and WSAI. In no case does the proposed WAGS nighttime operation enter into the RSS calculations of these stations.

PROPOSED SERVICE CONTOURS

Figure 5A shows the proposed daytime 5 mV/m contour will continue to provide service to the community of Bishopville, SC. Figure 5B shows the proposed 2 and 0.5 mV/m contours will provide much improved service to the WAGS audience. Since WAGS remains a Class D facility, the 30.899 mV/m interference-free contour is not required to cover at least 80% of Bishopville. However, the nighttime 5 mV/m contour will provide a useable service to all of the community.

March 23, 2009

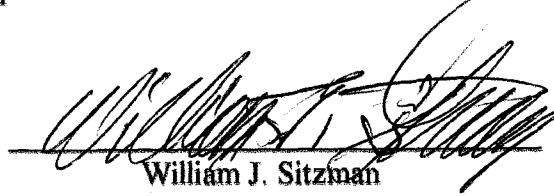

William J. Sitzman
Consulting Radio Engineer

FIGURE 1

VERTICAL PLAN SKETCH OF PROPOSED (AND LICENSED) WAGS ANTENNA

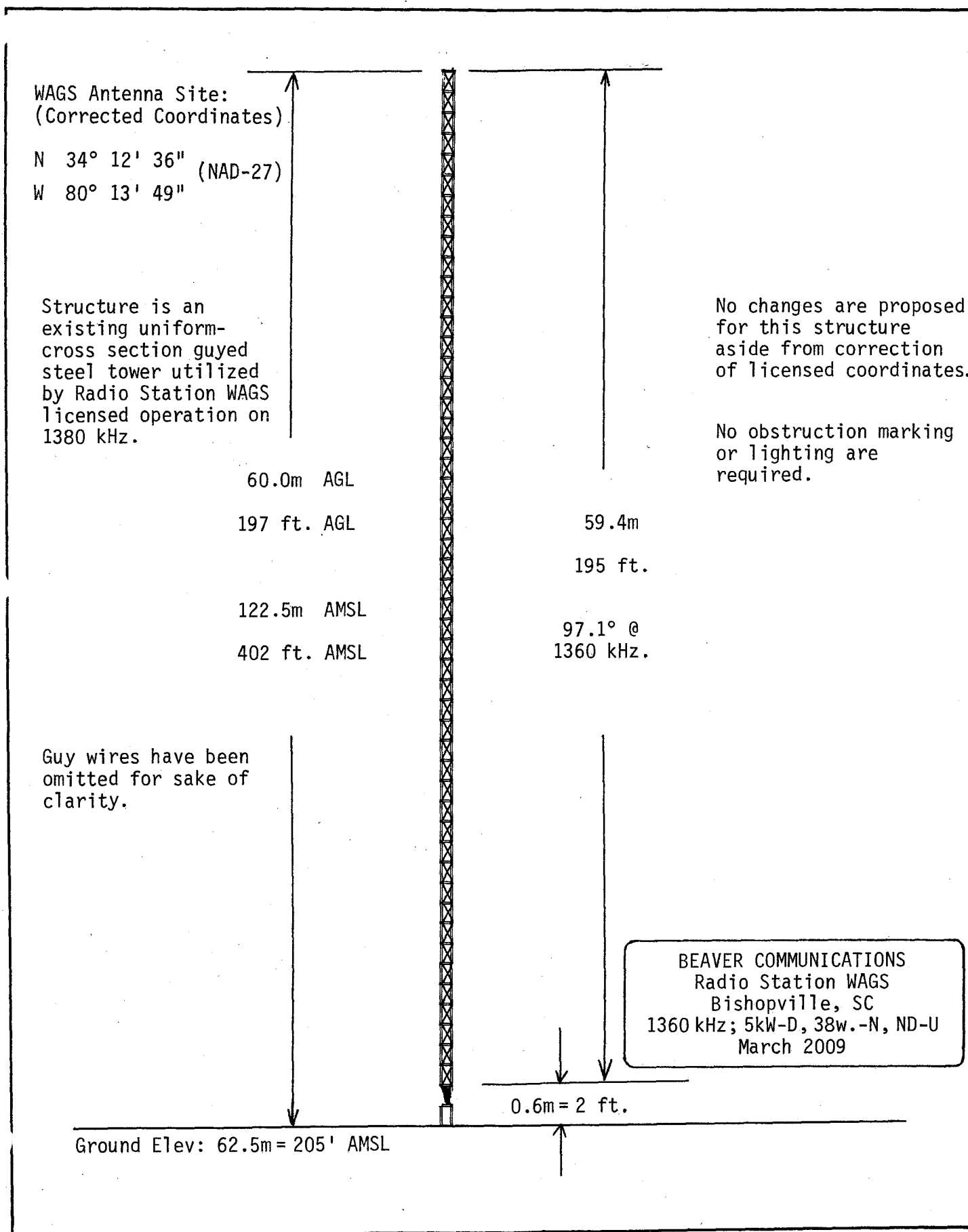


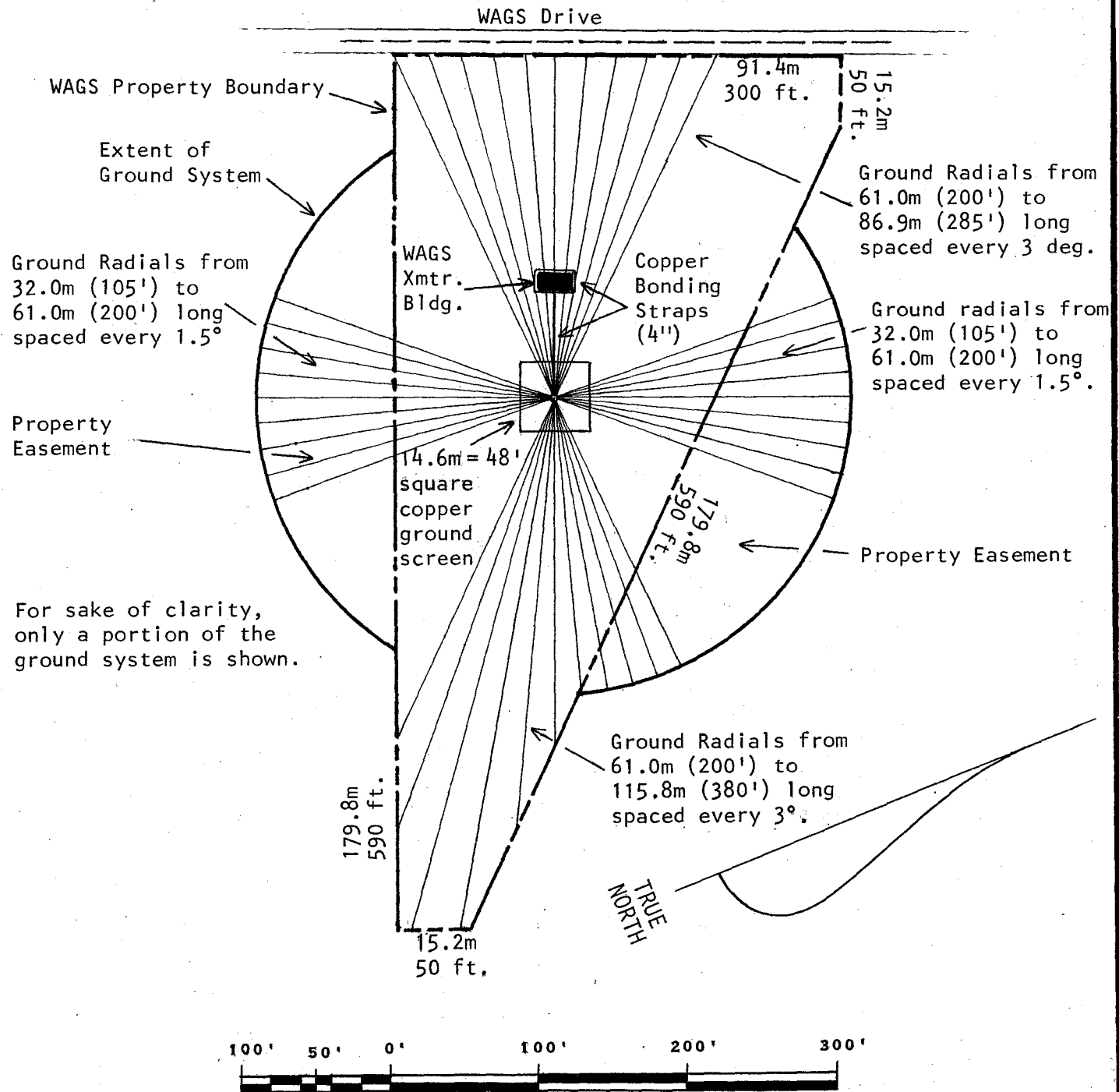
FIGURE 2

PLAT OF PROPERTY, TOWER LOCATION AND GROUND SYSTEM

WAGS Lic. Antenna Site:
(Corrected Coordinates)

N 34° 12' 36" (NAD-27)
W 80° 13' 49"

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Bishopville, SC

ANTENNA SITE PHOTOGRAPHS



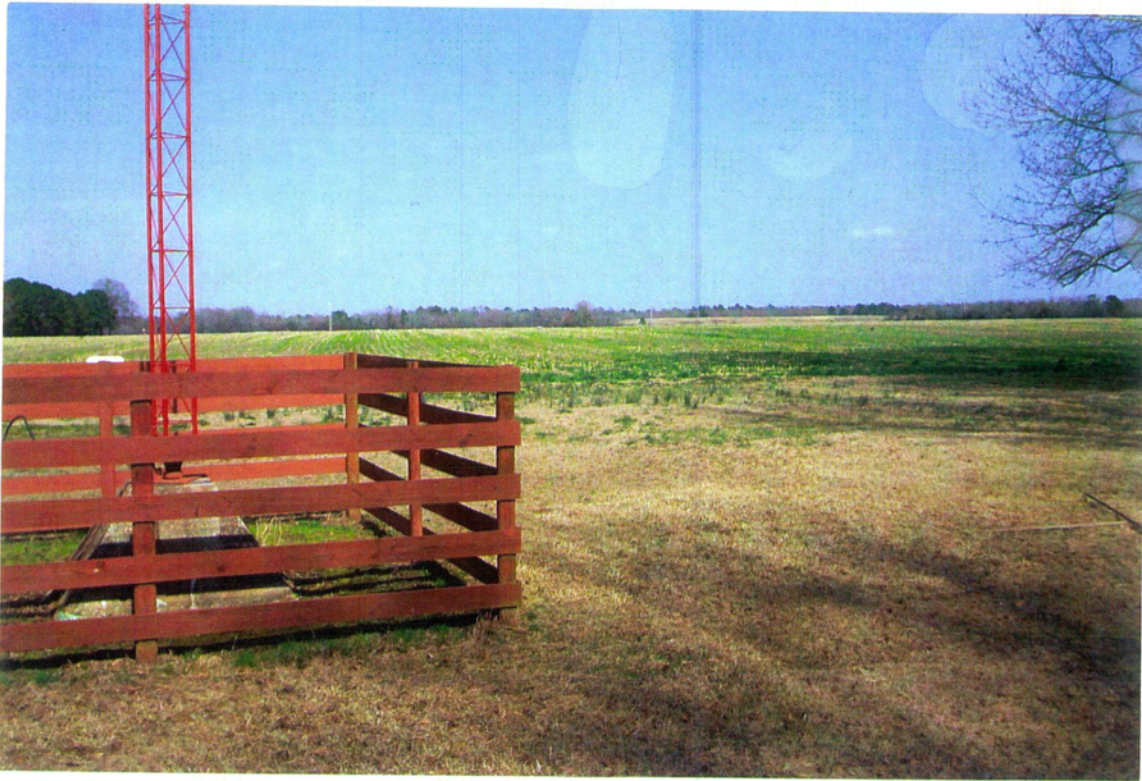
Looking North



Looking Northeast

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Radio Station WAGS
Bishopville, SC

ANTENNA SITE PHOTOGRAPHS



Looking East



Looking Southeast

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Radio Station WAGS
Bishopville, SC

ANTENNA SITE PHOTOGRAPHS



Looking South



Looking Southwest

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Radio Station WAGS
Bishopville, SC

ANTENNA SITE PHOTOGRAPHS



Looking West



Looking Northwest

FIGURE 4

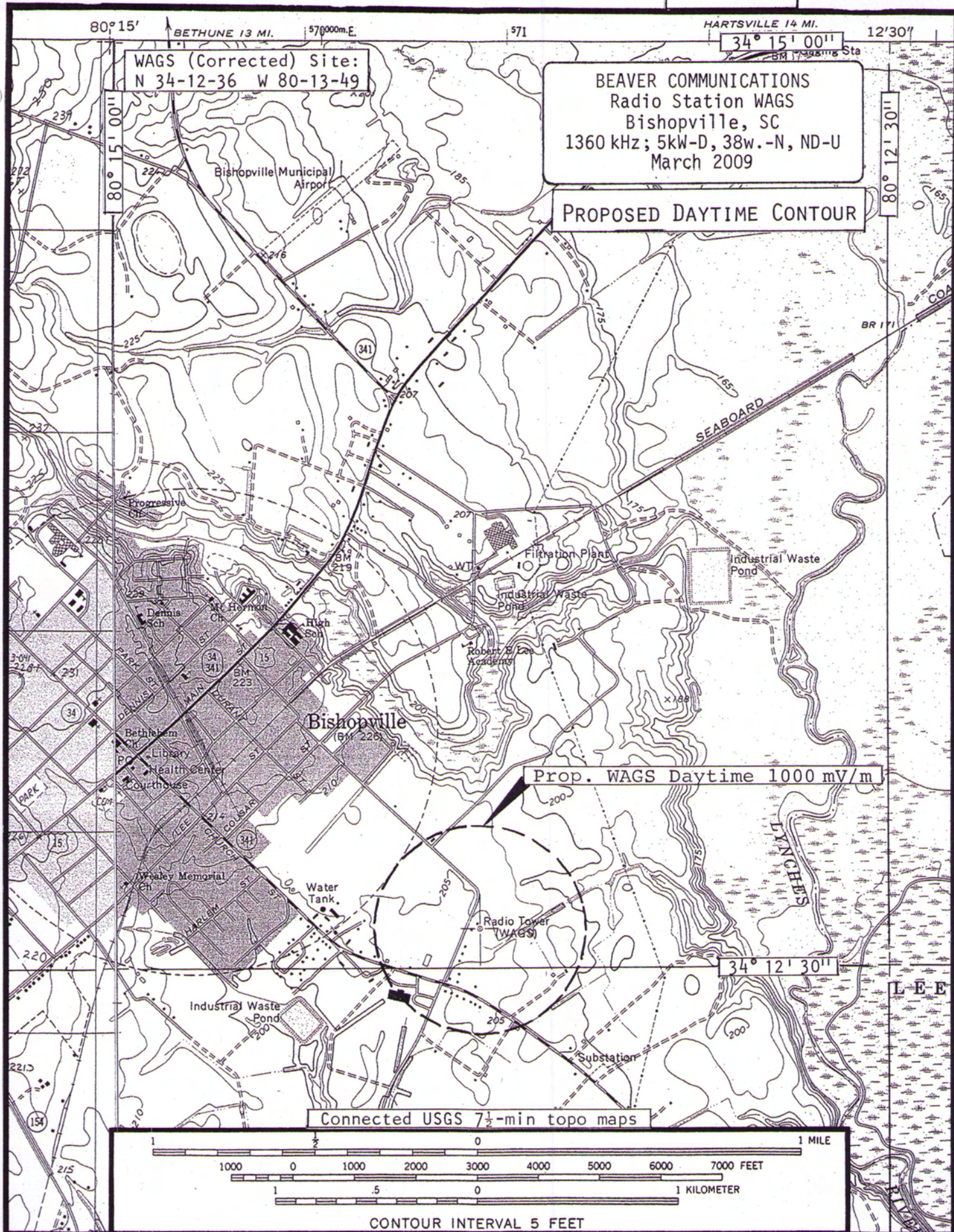
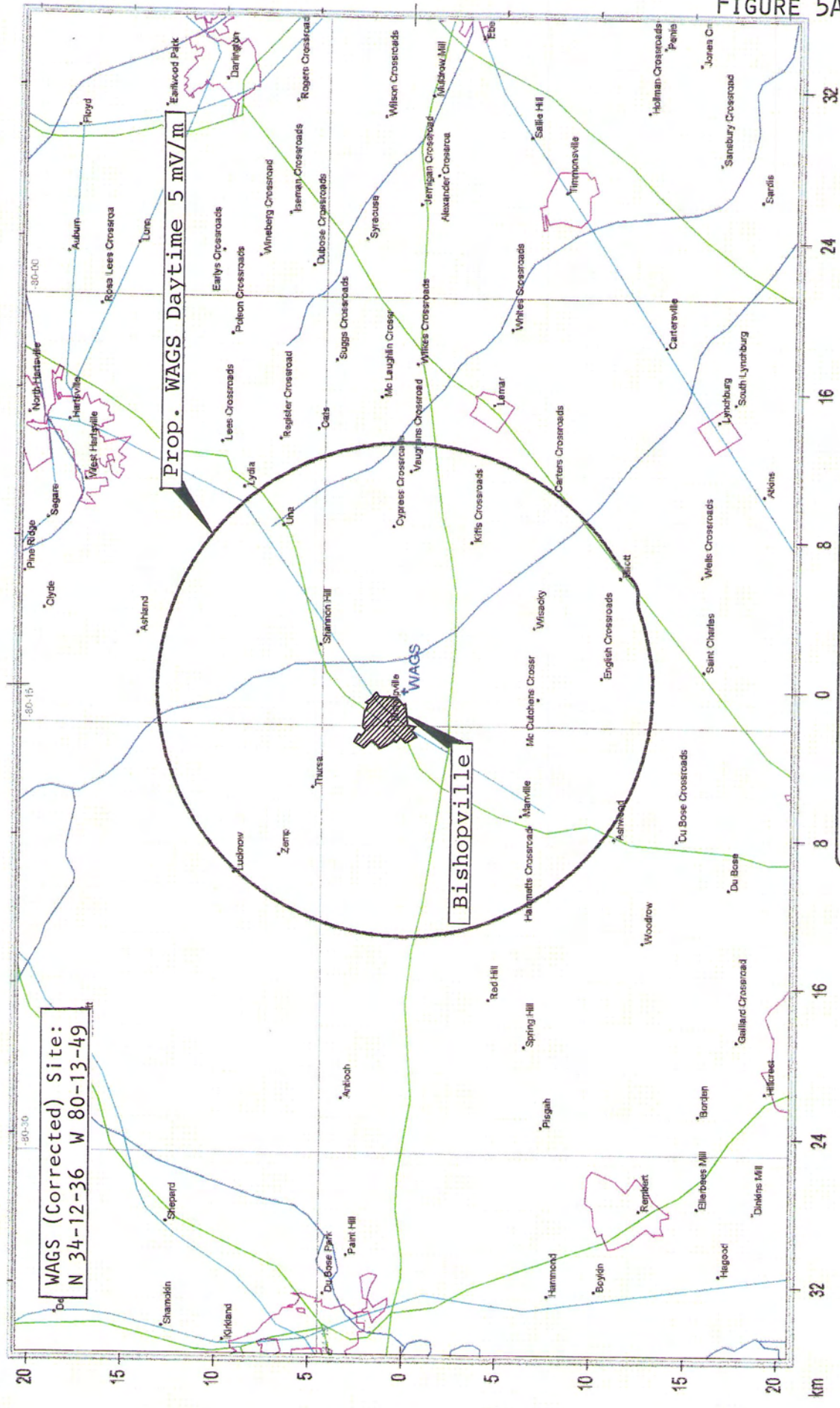


FIGURE 5A

WAGS 1360 kHz 5 kW Daytime 5 mV/m contour.



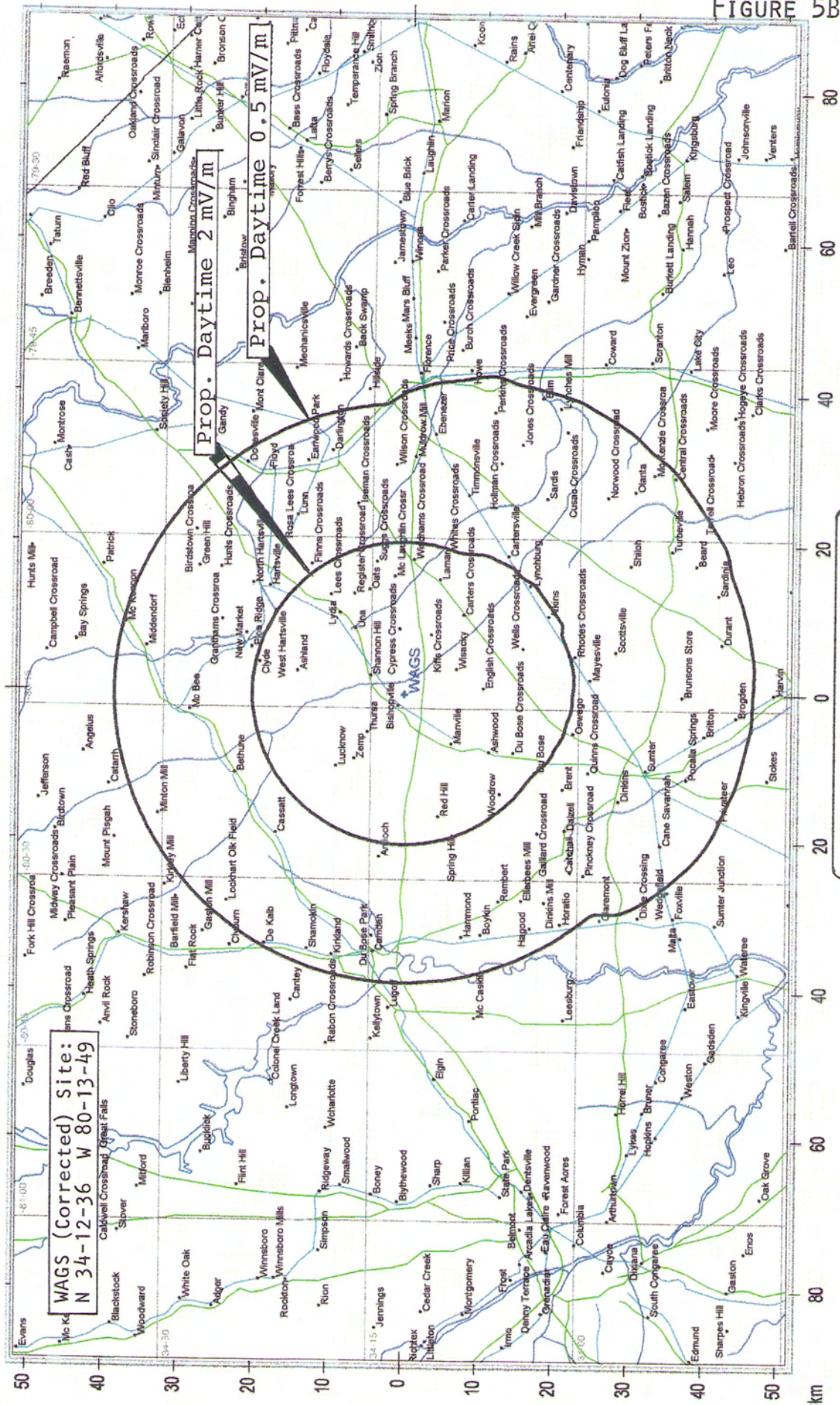
WAGS (Corrected) Site:
N 34-12-36 W 80-13-49

Prop. WAGS Daytime 5 mV/m

Bishopville

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WAGS 1360 kHz 5 kW Daytime 2 & 0.5 mV/m contours.



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FIGURE 5B

WAGS 1360 kHz 0.038 kW Nighttime 30.899 & 5 mV/m contours.

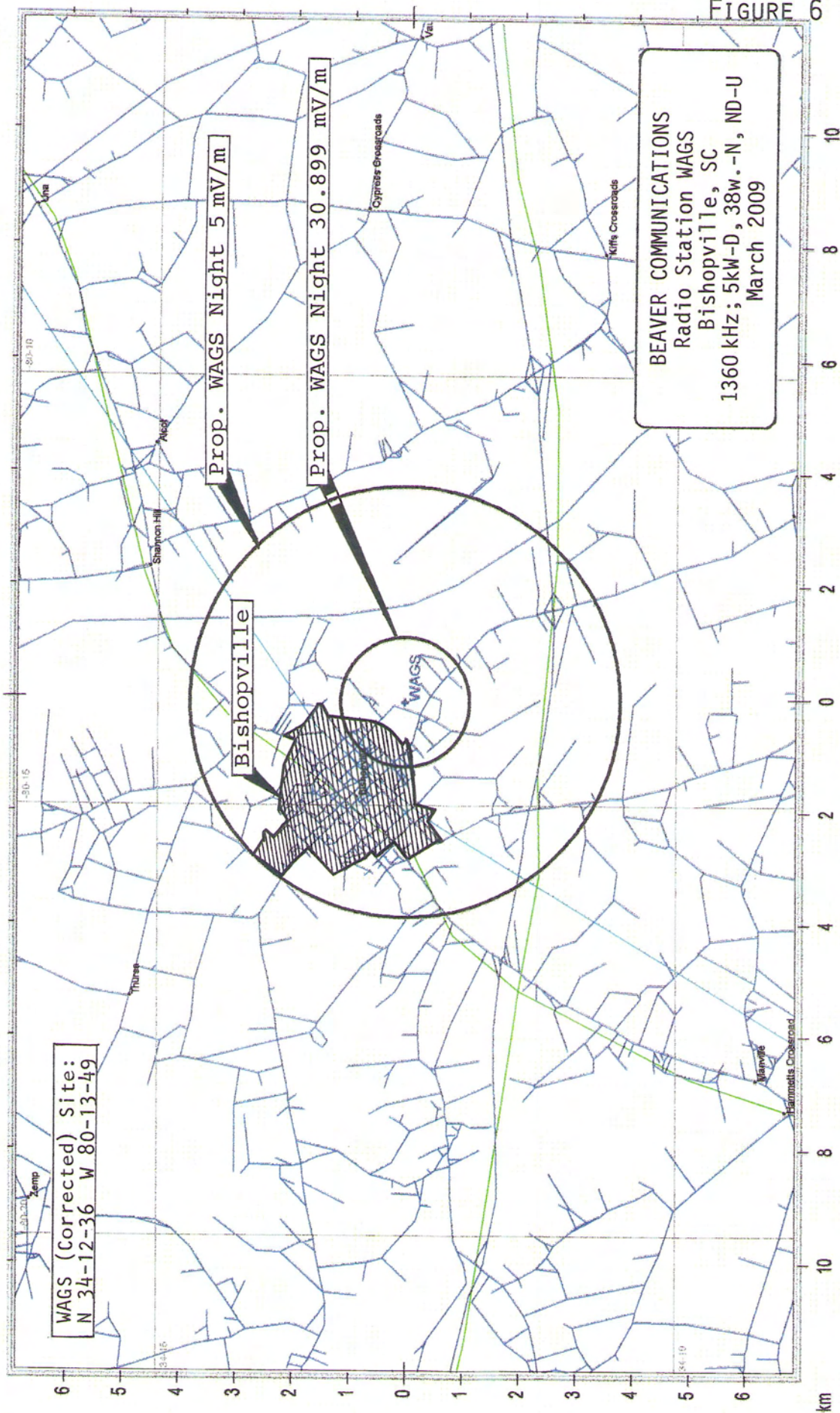


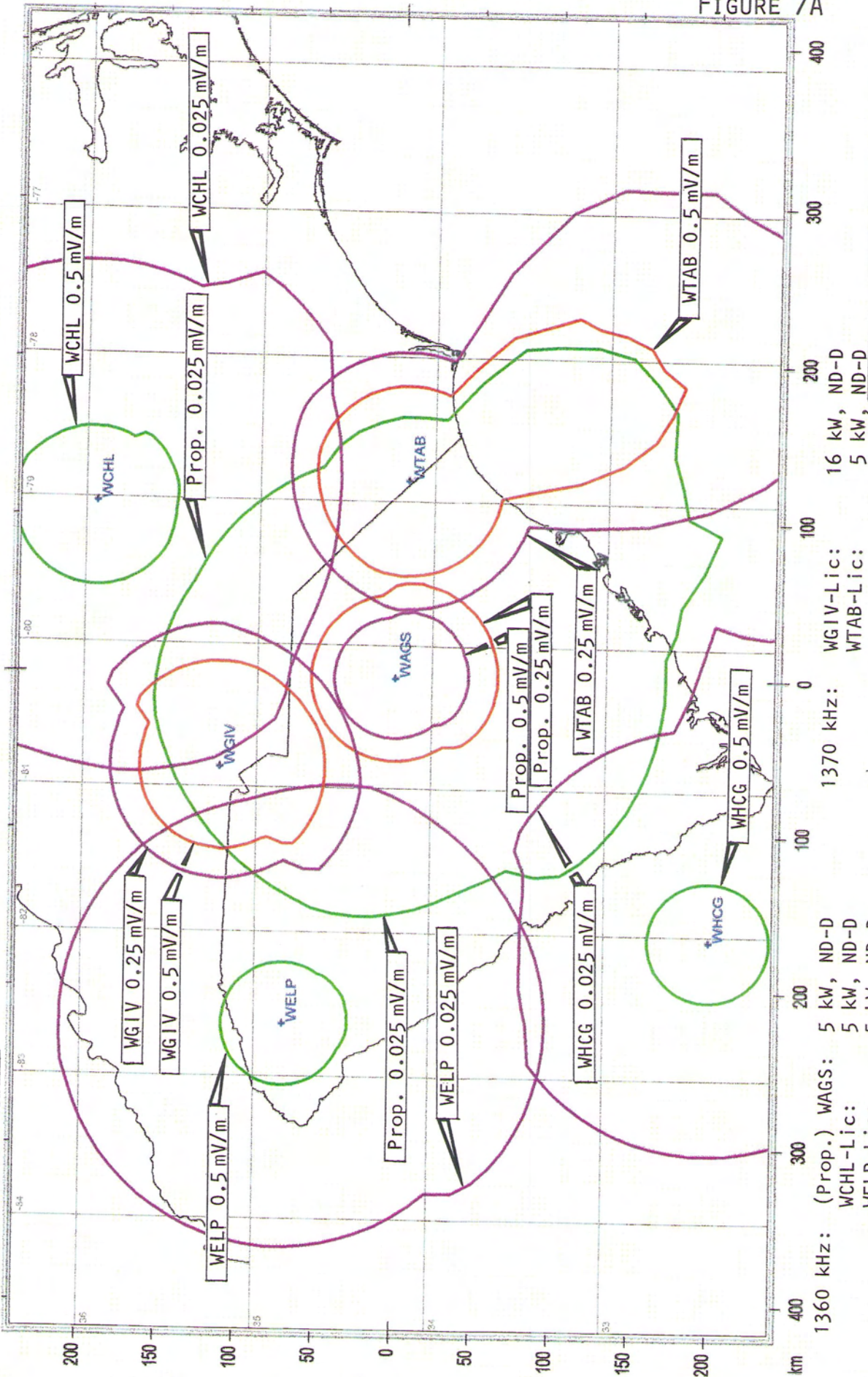
FIGURE 6

Note: As a Class D facility, the proposed (and licensed) WAGS is not required to place an Interference-Free nighttime contour over 80% of Bishopville, SC, its community of license.

FIGURE 7A

WAGS 1360 kHz 5 kW DAYTIME ALLOCATION MAP

WAGS (Corrected) Site:
N 34-12-36 W 80-13-49



BEAVER COMMUNICATIONS
Radio Station WAGS
Bishopville, SC
1360 kHz; 5kW-D, 38w.-N, ND-U
March 2009

1360 kHz: (Prop.) WAGS: 5 kW, ND-D
WCHL-Lic: 5 kW, ND-D
WELP-Lic: 5 kW, ND-D
WHCG-Lic: 1 kW, ND-D

1370 kHz: WGIV-Lic: 16 kW, ND-D
WTAB-Lic: 5 kW, ND-D

WAGS 1360 kHz 5 kW DAYTIME FIRST ADJACENT CHANNEL ALLOCATION MAP

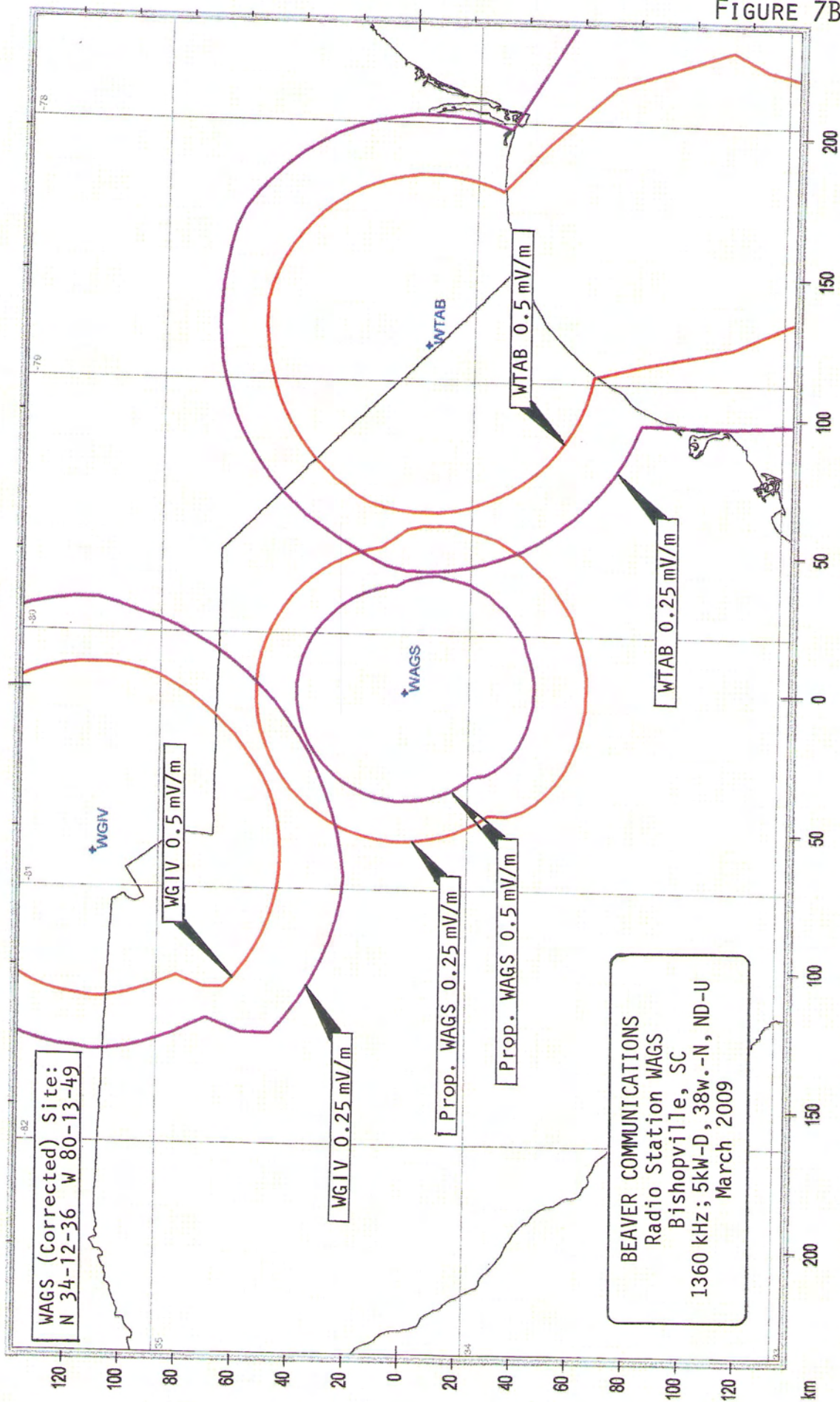
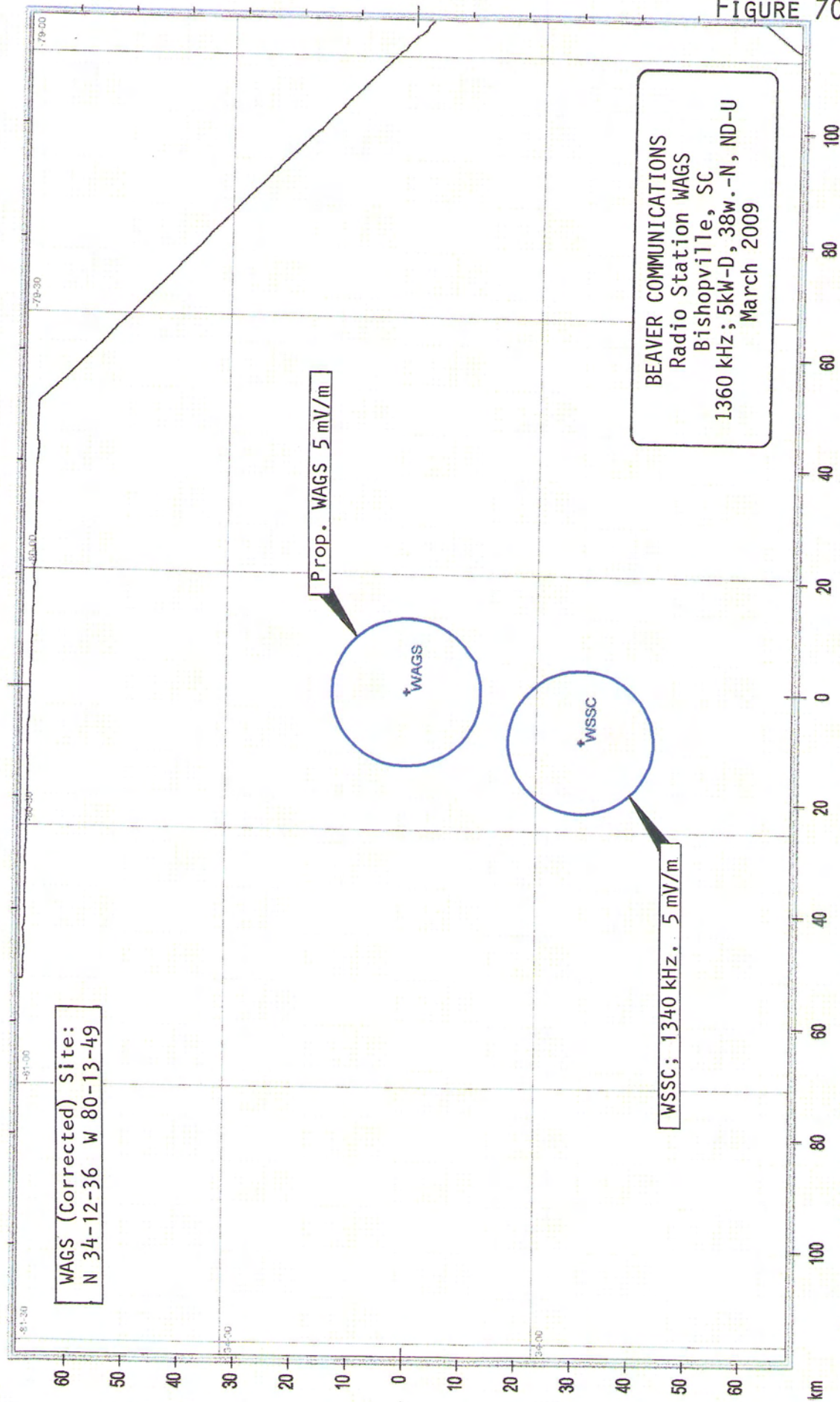


FIGURE 7B

Proposed WAGS @ 1360 kHz. does not cause or receive prohibited daytime contour overlap with either WIV (1370 kHz; 16 kW, ND-D) or WTAB (1370 kHz; 5 kW, ND-D).

FIGURE 7C

WAGS 1360 kHz 5 kW DAYTIME SECOND ADJACENT CHANNEL ALLOCATION MAP



Proposed WAGS @ 1360 kHz. does not cause or receive prohibited interference from second-adjacent WSSC (1340 kHz; 1 kW, ND-U).

WAGS FACILITY DATA.TXT

Callsign : WAGS
 Coordinates : 34-12-36.0 N, 80-13-49.0 W
 Comments :
 Frequency (KHz): 1360
 Power (W): 5000.000
 Pattern : LD
 Efficiency : 693.844 mV/M
 Desc : NDD
 City/State : BISHOPVILLE, SC
 ARN :
 Licensee : BEAVER COMMUNICATIONS

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	97.1	0.0

Field Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	693.844	75	693.844	150	693.844	225	693.844	300	693.844
5	693.844	80	693.844	155	693.844	230	693.844	305	693.844
10	693.844	85	693.844	160	693.844	235	693.844	310	693.844
15	693.844	90	693.844	165	693.844	240	693.844	315	693.844
20	693.844	95	693.844	170	693.844	245	693.844	320	693.844
25	693.844	100	693.844	175	693.844	250	693.844	325	693.844
30	693.844	105	693.844	180	693.844	255	693.844	330	693.844
35	693.844	110	693.844	185	693.844	260	693.844	335	693.844
40	693.844	115	693.844	190	693.844	265	693.844	340	693.844
45	693.844	120	693.844	195	693.844	270	693.844	345	693.844
50	693.844	125	693.844	200	693.844	275	693.844	350	693.844
55	693.844	130	693.844	205	693.844	280	693.844	355	693.844
60	693.844	135	693.844	210	693.844	285	693.844		
65	693.844	140	693.844	215	693.844	290	693.844		
70	693.844	145	693.844	220	693.844	295	693.844		
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000			
RMSS		: 0.000		RMSt		: 0.000			
RSS		: 0.000							

GROUND CONDUCTIVITY REPORT

WAGS CONDUCTIVITY TABULATION.TXT

Lat : 34-12-36.0 N
 Lon : 80-13-49.0 W
 Radius : 500

0 deg:	84.13,	2.0	190.67,	4.0	500.12,	2.0		
10 deg:	103.31,	2.0	306.64,	4.0	499.80,	2.0		
20 deg:	128.01,	2.0	315.97,	4.0	499.65,	2.0		
30 deg:	170.22,	2.0	269.56,	4.0	500.30,	2.0		
40 deg:	184.79,	2.0	223.47,	4.0	477.10,	2.0	480.65,	5000.0
	499.82,	2.0						
50 deg:	190.23,	2.0	236.46,	4.0	404.84,	2.0	479.59,	4.0
	499.85,	5000.0						
60 deg:	195.05,	2.0	258.87,	4.0	318.99,	2.0	400.53,	4.0
	451.09,	5000.0	455.69,	4.0	500.22,	5000.0		
70 deg:	149.63,	2.0	150.66,	4.0	151.38,	2.0	158.77,	4.0
	159.49,	2.0	308.50,	4.0	310.23,	5000.0	359.46,	4.0
	394.53,	4.0	396.97,	5000.0	399.13,	4.0	500.40,	5000.0
80 deg:	60.29,	2.0	262.32,	4.0	266.09,	5000.0	278.43,	4.0
	499.68,	5000.0						
90 deg:	33.43,	2.0	221.97,	4.0	499.75,	5000.0		
100 deg:	24.72,	2.0	190.34,	4.0	193.36,	5000.0	195.80,	4.0
	500.25,	5000.0						
110 deg:	21.07,	2.0	143.25,	4.0	499.92,	5000.0		
120 deg:	16.63,	2.0	135.36,	4.0	500.19,	5000.0		
130 deg:	14.09,	2.0	134.90,	4.0	500.30,	5000.0		
140 deg:	13.20,	2.0	146.28,	4.0	147.00,	5000.0	147.49,	4.0
	500.33,	5000.0						
150 deg:	13.10,	2.0	152.95,	4.0	499.74,	5000.0		
160 deg:	14.11,	2.0	154.99,	4.0	499.52,	5000.0		
170 deg:	13.31,	2.0	162.95,	4.0	165.69,	5000.0	169.47,	4.0
	171.30,	5000.0	174.17,	4.0	500.28,	5000.0		
180 deg:	14.09,	2.0	187.34,	4.0	499.57,	5000.0		
190 deg:	15.23,	2.0	195.80,	4.0	500.24,	5000.0		
200 deg:	16.91,	2.0	254.08,	4.0	298.37,	8.0	301.26,	5000.0
	302.39,	8.0	303.27,	5000.0	363.14,	8.0	364.28,	5000.0
	380.98,	5000.0	392.79,	8.0	498.58,	4.0	499.72,	2.0
210 deg:	19.35,	2.0	442.33,	4.0	499.63,	2.0		
220 deg:	25.58,	2.0	416.09,	4.0	500.20,	2.0		
230 deg:	38.75,	2.0	165.03,	4.0	165.64,	2.0	166.23,	4.0
	167.42,	2.0	168.01,	4.0	168.61,	2.0	169.20,	4.0
	500.14,	4.0						
240 deg:	240.48,	2.0	500.02,	4.0				
250 deg:	167.63,	2.0	500.45,	4.0				
260 deg:	120.35,	2.0	341.73,	4.0	393.87,	1.0	500.05,	2.0
270 deg:	93.76,	2.0	303.03,	4.0	343.71,	2.0	362.86,	1.0
	474.21,	2.0	500.31,	4.0				
280 deg:	78.81,	2.0	231.25,	4.0	397.49,	2.0	475.75,	4.0
	500.24,	2.0						
290 deg:	69.56,	2.0	159.29,	4.0	500.21,	2.0		
300 deg:	63.60,	2.0	132.22,	4.0	493.04,	2.0	500.04,	4.0
310 deg:	61.43,	2.0	125.54,	4.0	317.44,	2.0	322.10,	4.0
	499.69,	2.0						
320 deg:	61.29,	2.0	124.59,	4.0	304.89,	2.0	383.82,	4.0
	493.30,	2.0	499.69,	8.0				
330 deg:	62.98,	2.0	126.27,	4.0	300.56,	2.0	362.64,	4.0
	500.20,	2.0						
340 deg:	66.96,	2.0	136.81,	4.0	307.05,	2.0	350.68,	4.0
	499.58,	2.0						
350 deg:	74.20,	2.0	161.68,	4.0	499.76,	2.0		

WCHL FACILITY DATA.TXT

Callsign : WCHL
 Coordinates : 35-56-18.0 N, 79-01-36.0 W
 Comments :
 Frequency (KHz): 1360
 Power (w): 5000.000
 Pattern : LD
 Efficiency : 698.123 mV/M
 Desc : DAN
 City/State : CHAPEL HILL, NC
 ARN :
 Licensee : VILCOM INTERACTIVE MEDIA, LLC

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	99.5	0.0

Field Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	698.123	75	698.123	150	698.123	225	698.123	300	698.123
5	698.123	80	698.123	155	698.123	230	698.123	305	698.123
10	698.123	85	698.123	160	698.123	235	698.123	310	698.123
15	698.123	90	698.123	165	698.123	240	698.123	315	698.123
20	698.123	95	698.123	170	698.123	245	698.123	320	698.123
25	698.123	100	698.123	175	698.123	250	698.123	325	698.123
30	698.123	105	698.123	180	698.123	255	698.123	330	698.123
35	698.123	110	698.123	185	698.123	260	698.123	335	698.123
40	698.123	115	698.123	190	698.123	265	698.123	340	698.123
45	698.123	120	698.123	195	698.123	270	698.123	345	698.123
50	698.123	125	698.123	200	698.123	275	698.123	350	698.123
55	698.123	130	698.123	205	698.123	280	698.123	355	698.123
60	698.123	135	698.123	210	698.123	285	698.123		
65	698.123	140	698.123	215	698.123	290	698.123		
70	698.123	145	698.123	220	698.123	295	698.123		
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000			
RMSS		: 0.000		RMSt		: 0.000			
RSS		: 0.000							

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WCHL CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 35-56-18.0 N
 Lon : 79-01-36.0 W
 Radius : 500

0 deg:	105.07,	4.0	353.37,	2.0	495.12,	4.0	499.75,	2.0	
10 deg:	84.19,	4.0	421.21,	2.0	422.25,	4.0	423.16,	2.0	
	500.45,	4.0							
20 deg:	68.40,	4.0	446.61,	2.0	469.31,	4.0	469.57,	2.0	
	470.43,	4.0	471.55,	2.0	472.42,	4.0	500.19,	2.0	
30 deg:	52.00,	4.0	305.83,	2.0	310.13,	4.0	315.60,	5000.0	
	420.53,	4.0	428.31,	40.0	500.24,	4.0			
40 deg:	41.84,	4.0	293.52,	2.0	297.54,	5000.0	324.41,	4.0	
	330.29,	5000.0	347.72,	4.0	351.25,	5000.0	358.78,	4.0	367.97, 5000.0
	379.71,	2.0	384.89,	5000.0	385.37,	40.0	386.06,	2.0	386.54, 40.0
	388.89,	2.0	391.24,	4.0	395.24,	40.0	486.01,	4.0	497.01, 5000.0
	499.82,	4.0							
50 deg:	35.31,	4.0	263.49,	2.0	266.37,	5000.0	294.58,	2.0	
	300.91,	5000.0	308.38,	4.0	310.11,	5000.0	314.13,	4.0	361.21, 5000.0
	443.64,	2.0	445.35,	5000.0	452.77,	2.0	500.12,	5000.0	
60 deg:	31.10,	4.0	246.99,	2.0	257.00,	5000.0	275.71,	2.0	
	310.89,	5000.0	321.52,	2.0	500.02,	5000.0			
70 deg:	28.09,	4.0	215.62,	2.0	290.61,	4.0	499.89,	5000.0	
80 deg:	25.97,	4.0	205.08,	2.0	209.52,	4.0	213.35,	5000.0	
	282.80,	4.0	499.91,	5000.0					
90 deg:	24.16,	4.0	195.22,	2.0	206.48,	4.0	208.73,	5000.0	
	270.29,	4.0	274.79,	5000.0	294.32,	4.0	500.30,	5000.0	
100 deg:	23.79,	4.0	175.20,	2.0	234.45,	4.0	235.92,	5000.0	
	278.97,	4.0	499.92,	5000.0					
110 deg:	23.32,	4.0	157.62,	2.0	235.34,	4.0	500.11,	5000.0	
120 deg:	22.87,	4.0	81.35,	2.0	82.00,	4.0	83.12,	2.0	
	83.77,	4.0	88.43,	2.0	89.08,	4.0	92.62,	2.0	93.27, 4.0
	94.39,	2.0	96.16,	4.0	97.93,	2.0	98.58,	4.0	99.70, 2.0
	100.35,	4.0	101.47,	2.0	102.77,	4.0	103.89,	2.0	108.08, 4.0
	109.20,	2.0	109.85,	4.0	110.97,	2.0	253.27,	4.0	259.27, 5000.0
	263.31,	4.0	499.92,	5000.0					
130 deg:	220.79,	4.0	500.41,	5000.0					
140 deg:	215.66,	4.0	500.36,	5000.0					
150 deg:	97.69,	4.0	101.23,	2.0	102.04,	4.0	139.61,	2.0	
	223.61,	4.0	499.82,	5000.0					
160 deg:	64.63,	4.0	143.36,	2.0	242.81,	4.0	499.97,	5000.0	
170 deg:	52.32,	4.0	148.29,	2.0	237.50,	4.0	499.79,	5000.0	
180 deg:	46.88,	4.0	158.06,	2.0	267.39,	4.0	499.94,	5000.0	
190 deg:	45.75,	4.0	175.49,	2.0	341.82,	4.0	341.95,	5000.0	
	343.77,	4.0	499.73,	5000.0					
200 deg:	47.92,	4.0	201.41,	2.0	403.79,	4.0	408.68,	5000.0	
	410.69,	4.0	499.86,	5000.0					
210 deg:	52.88,	4.0	53.26,	2.0	54.06,	4.0	240.52,	2.0	
	499.66,	4.0							
220 deg:	80.08,	4.0	80.56,	2.0	81.27,	4.0	454.40,	2.0	
	500.17,	4.0							
230 deg:	500.18,	4.0							
240 deg:	499.66,	4.0							
250 deg:	159.79,	4.0	499.83,	2.0					
260 deg:	135.08,	4.0	500.36,	2.0					
270 deg:	107.12,	4.0	500.00,	2.0					
280 deg:	86.48,	4.0	296.06,	2.0	377.36,	4.0	499.62,	2.0	
290 deg:	80.96,	4.0	247.48,	2.0	339.61,	4.0	483.46,	2.0	
	499.61,	8.0							
300 deg:	85.06,	4.0	250.86,	2.0	280.22,	4.0	474.56,	2.0	
	499.76,	8.0							
310 deg:	107.73,	4.0	108.89,	2.0	109.47,	4.0	499.89,	2.0	
320 deg:	116.77,	4.0	499.63,	2.0					
330 deg:	120.31,	4.0	470.56,	2.0	500.09,	4.0			
340 deg:	128.77,	4.0	448.49,	2.0	500.09,	4.0			
350 deg:	128.31,	4.0	348.66,	2.0	500.39,	4.0			

WELP FACILITY DATA.TXT

Callsign : WELP
 Coordinates : 34-50-23.0 N, 82-38-22.0 W
 Comments :
 Frequency (KHz): 1360
 Power (w): 5000.000
 Pattern : LD
 Efficiency : 694.523 mV/M
 Desc : ND1
 City/State : EASLEY, SC
 ARN :
 Licensee : UPSTATE RADIO, INC

Tower	Field	Phase	Spnng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	98.1	0.0

Field		Brng		mV/m		Brng		mV/m		Brng		mV/m		Brng		mV/m	
0	694.523	75	694.523	150	694.523	225	694.523	300	694.523								
5	694.523	80	694.523	155	694.523	230	694.523	305	694.523								
10	694.523	85	694.523	160	694.523	235	694.523	310	694.523								
15	694.523	90	694.523	165	694.523	240	694.523	315	694.523								
20	694.523	95	694.523	170	694.523	245	694.523	320	694.523								
25	694.523	100	694.523	175	694.523	250	694.523	325	694.523								
30	694.523	105	694.523	180	694.523	255	694.523	330	694.523								
35	694.523	110	694.523	185	694.523	260	694.523	335	694.523								
40	694.523	115	694.523	190	694.523	265	694.523	340	694.523								
45	694.523	120	694.523	195	694.523	270	694.523	345	694.523								
50	694.523	125	694.523	200	694.523	275	694.523	350	694.523								
55	694.523	130	694.523	205	694.523	280	694.523	355	694.523								
60	694.523	135	694.523	210	694.523	285	694.523										
65	694.523	140	694.523	215	694.523	290	694.523										
70	694.523	145	694.523	220	694.523	295	694.523										
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000											
RMSS		: 0.000		RMST		: 0.000											
RSS		: 0.000															

□

WELP CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 34-50-23.0 N
 Lon : 82-38-22.0 W
 Radius : 500

0 deg:	148.46,	2.0	231.84,	4.0	499.60,	2.0			
10 deg:	168.60,	2.0	168.74,	4.0	169.65,	2.0	249.66,	4.0	
	500.21,	2.0							
20 deg:	205.67,	2.0	275.85,	4.0	500.07,	2.0			
30 deg:	499.97,	2.0							
40 deg:	500.39,	2.0							
50 deg:	309.46,	2.0	392.83,	4.0	499.50,	2.0			
60 deg:	266.18,	2.0	267.28,	4.0	267.94,	2.0	269.04,	4.0	
	269.70,	2.0	274.98,	4.0	275.64,	2.0	398.19,	4.0	500.31, 2.0
70 deg:	185.32,	2.0	371.89,	4.0	499.69,	2.0			
80 deg:	141.48,	2.0	254.25,	4.0	364.17,	2.0	433.53,	4.0	
	486.76,	2.0	499.71,	4.0					
90 deg:	112.35,	2.0	202.87,	4.0	388.60,	2.0	475.51,	4.0	
	477.03,	5000.0	499.90,	4.0					
100 deg:	80.28,	2.0	176.44,	4.0	294.86,	2.0	445.53,	4.0	
	499.88,	5000.0							
110 deg:	54.32,	2.0	157.80,	4.0	237.47,	2.0	368.94,	4.0	
	499.53,	5000.0							
120 deg:	43.14,	2.0	144.74,	4.0	202.12,	2.0	366.33,	4.0	
	499.88,	5000.0							
130 deg:	35.01,	2.0	139.44,	4.0	186.78,	2.0	350.86,	4.0	
	499.81,	5000.0							
140 deg:	30.88,	2.0	139.07,	4.0	186.55,	2.0	338.85,	4.0	
	499.63,	5000.0							
150 deg:	28.61,	2.0	142.83,	4.0	199.26,	2.0	321.52,	4.0	
	342.29,	8.0	500.16,	5000.0					
160 deg:	27.23,	2.0	153.37,	4.0	225.14,	2.0	359.94,	4.0	
	372.61,	8.0	375.50,	5000.0	387.29,	8.0	500.18,	5000.0	
170 deg:	28.96,	2.0	171.92,	4.0	232.98,	2.0	499.93,	4.0	
180 deg:	29.43,	2.0	444.50,	4.0	500.09,	2.0			
190 deg:	31.77,	2.0	381.58,	4.0	499.86,	2.0			
200 deg:	36.25,	2.0	481.34,	4.0	500.06,	2.0			
210 deg:	42.30,	2.0	42.68,	4.0	44.66,	2.0	499.98,	4.0	
220 deg:	59.95,	2.0	60.44,	4.0	61.15,	2.0	177.88,	4.0	
	233.63,	1.0	499.90,	4.0					
230 deg:	150.39,	2.0	212.58,	1.0	348.20,	2.0	409.11,	4.0	
	499.54,	8.0							
240 deg:	142.64,	2.0	168.39,	1.0	373.91,	2.0	497.26,	4.0	
	500.23,	2.0							
250 deg:	298.90,	2.0	462.38,	4.0	499.91,	2.0			
260 deg:	189.36,	2.0	293.76,	4.0	423.94,	2.0	482.22,	4.0	
	500.28,	2.0							
270 deg:	168.28,	2.0	251.97,	4.0	363.12,	2.0	500.30,	4.0	
280 deg:	174.20,	2.0	227.00,	4.0	314.25,	2.0	500.11,	4.0	
290 deg:	279.06,	2.0	500.07,	4.0					
300 deg:	252.24,	2.0	486.93,	4.0	500.00,	8.0			
310 deg:	275.53,	2.0	480.81,	4.0	499.81,	8.0			
320 deg:	307.97,	2.0	500.16,	4.0					
330 deg:	314.35,	2.0	341.40,	8.0	423.63,	4.0	499.79,	8.0	
340 deg:	317.34,	2.0	499.94,	8.0					
350 deg:	133.88,	2.0	223.27,	4.0	460.71,	2.0	500.28,	8.0	

WHGC FACILITY DATA.TXT

Callsign : WHGC
 Coordinates : 32-23-56.0 N, 82-02-36.0 W
 Comments :
 Frequency (KHz): 1360
 Power (w): 1000.000
 Pattern : LD
 Efficiency : 354.000 mV/M
 Desc : ND2
 City/State : METTER, GA
 ARN :
 Licensee : RADIO METTER, INC.

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	156.6	0.0

Field Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	354.000	75	354.000	150	354.000	225	354.000	300	354.000
5	354.000	80	354.000	155	354.000	230	354.000	305	354.000
10	354.000	85	354.000	160	354.000	235	354.000	310	354.000
15	354.000	90	354.000	165	354.000	240	354.000	315	354.000
20	354.000	95	354.000	170	354.000	245	354.000	320	354.000
25	354.000	100	354.000	175	354.000	250	354.000	325	354.000
30	354.000	105	354.000	180	354.000	255	354.000	330	354.000
35	354.000	110	354.000	185	354.000	260	354.000	335	354.000
40	354.000	115	354.000	190	354.000	265	354.000	340	354.000
45	354.000	120	354.000	195	354.000	270	354.000	345	354.000
50	354.000	125	354.000	200	354.000	275	354.000	350	354.000
55	354.000	130	354.000	205	354.000	280	354.000	355	354.000
60	354.000	135	354.000	210	354.000	285	354.000		
65	354.000	140	354.000	215	354.000	290	354.000		
70	354.000	145	354.000	220	354.000	295	354.000		
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000			
RMSS		: 0.000		RMSt		: 0.000			
RSS		: 0.000							

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WHCG CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 32-23-56.0 N
 Lon : 82-02-36.0 W
 Radius : 500

0 deg:	41.82,	4.0	131.69,	2.0	253.06,	4.0	453.18,	2.0	
	500.43,	4.0							
10 deg:	44.39,	4.0	161.94,	2.0	268.36,	4.0	500.13,	2.0	
20 deg:	65.10,	4.0	67.38,	2.0	68.24,	4.0	213.38,	2.0	
	214.52,	4.0	215.39,	2.0	358.80,	4.0	499.89,	2.0	
30 deg:	173.64,	4.0	175.22,	2.0	176.02,	4.0	328.97,	2.0	
	329.37,	4.0	332.14,	2.0	332.53,	4.0	333.32,	2.0	500.23, 4.0
40 deg:	241.36,	4.0	447.53,	2.0	488.40,	4.0	499.63,	2.0	
50 deg:	393.54,	4.0	394.14,	2.0	395.31,	4.0	395.91,	2.0	
	396.48,	4.0	449.42,	2.0	499.91,	4.0			
60 deg:	487.64,	4.0	489.42,	5000.0	497.23,	4.0	498.58,	5000.0	
	499.68,	4.0							
70 deg:	279.63,	4.0	499.58,	5000.0					
80 deg:	202.09,	4.0	499.77,	5000.0					
90 deg:	109.68,	4.0	115.16,	8.0	499.68,	5000.0			
100 deg:	102.05,	4.0	119.51,	8.0	499.75,	5000.0			
110 deg:	93.66,	4.0	108.11,	8.0	499.86,	5000.0			
120 deg:	90.67,	4.0	102.09,	8.0	114.40,	5000.0	118.05,	8.0	
	500.30,	5000.0							
130 deg:	91.05,	4.0	107.84,	8.0	499.46,	5000.0			
140 deg:	98.58,	4.0	105.88,	8.0	107.10,	5000.0	120.48,	8.0	
	500.26,	5000.0							
150 deg:	114.13,	4.0	126.92,	8.0	500.49,	5000.0			
160 deg:	133.96,	4.0	150.66,	8.0	154.41,	5000.0	154.68,	8.0	
	155.55,	5000.0	160.45,	8.0	175.14,	5000.0	176.28,	8.0	500.27, 5000.0
170 deg:	300.84,	4.0	500.05,	2.0					
180 deg:	258.37,	4.0	326.93,	2.0	360.28,	4.0	480.73,	2.0	
	500.19,	4.0							
190 deg:	205.85,	4.0	274.54,	2.0	386.34,	4.0	500.00,	5000.0	
200 deg:	179.06,	4.0	286.25,	2.0	351.15,	4.0	500.16,	5000.0	
210 deg:	162.34,	4.0	317.41,	2.0	500.33,	5000.0			
220 deg:	153.87,	4.0	334.29,	2.0	348.48,	5000.0	351.43,	2.0	
	356.55,	1.0	500.05,	5000.0					
230 deg:	160.46,	4.0	239.94,	2.0	240.55,	4.0	241.15,	2.0	
	244.77,	4.0	245.37,	2.0	245.98,	4.0	246.58,	2.0	275.55, 4.0
	344.46,	2.0	422.65,	1.0	499.82,	5000.0			
240 deg:	372.68,	4.0	449.80,	1.0	500.03,	5000.0			
250 deg:	423.20,	4.0	499.56,	1.0					
260 deg:	381.38,	4.0	500.22,	8.0					
270 deg:	351.24,	4.0	464.08,	8.0	479.77,	4.0	493.07,	8.0	
	500.15,	2.0							
280 deg:	293.86,	4.0	363.10,	2.0	490.87,	4.0	500.23,	2.0	
290 deg:	248.16,	4.0	391.75,	2.0	446.07,	4.0	480.73,	2.0	
	500.02,	4.0							
300 deg:	215.15,	4.0	255.01,	1.0	369.76,	2.0	413.19,	4.0	
	500.09,	2.0							
310 deg:	218.42,	4.0	269.36,	1.0	345.56,	2.0	409.21,	4.0	
	490.88,	2.0	499.67,	4.0					
320 deg:	238.75,	4.0	348.63,	2.0	415.96,	4.0	484.63,	2.0	
	499.93,	4.0							
330 deg:	56.60,	4.0	80.48,	2.0	241.71,	4.0	500.47,	2.0	
340 deg:	45.45,	4.0	97.71,	2.0	245.93,	4.0	499.78,	2.0	
350 deg:	42.51,	4.0	111.14,	2.0	251.36,	4.0	414.33,	2.0	
	500.08,	4.0							

WGIV FACILITY DATA.TXT

Callsign : WGIV
 Coordinates : 35-12-45.0 N, 80-52-06.0 W
 Comments :
 Frequency (KHz): 1370
 Power (w): 16000.000
 Pattern : LD
 Efficiency : 1220.000 mV/M
 Desc : ND1
 City/State : PINEVILLE, NC
 ARN :
 Licensee : REJOYNETWORK, LLC

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	90.0	0.0

Field		Brng		mV/m		Brng		mV/m		Brng		mV/m		Brng		mV/m	
0	1220.000	75	1220.000	150	1220.000	225	1220.000	300	1220.000								
5	1220.000	80	1220.000	155	1220.000	230	1220.000	305	1220.000								
10	1220.000	85	1220.000	160	1220.000	235	1220.000	310	1220.000								
15	1220.000	90	1220.000	165	1220.000	240	1220.000	315	1220.000								
20	1220.000	95	1220.000	170	1220.000	245	1220.000	320	1220.000								
25	1220.000	100	1220.000	175	1220.000	250	1220.000	325	1220.000								
30	1220.000	105	1220.000	180	1220.000	255	1220.000	330	1220.000								
35	1220.000	110	1220.000	185	1220.000	260	1220.000	335	1220.000								
40	1220.000	115	1220.000	190	1220.000	265	1220.000	340	1220.000								
45	1220.000	120	1220.000	195	1220.000	270	1220.000	345	1220.000								
50	1220.000	125	1220.000	200	1220.000	275	1220.000	350	1220.000								
55	1220.000	130	1220.000	205	1220.000	280	1220.000	355	1220.000								
60	1220.000	135	1220.000	210	1220.000	285	1220.000										
65	1220.000	140	1220.000	215	1220.000	290	1220.000										
70	1220.000	145	1220.000	220	1220.000	295	1220.000										
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000											
RMSS		: 0.000		RMSt		: 0.000											
RSS		: 0.000															

0

GROUND CONDUCTIVITY REPORT

WGIV CONDUCTIVITY TABULATION.TXT

Lat : 35-12-45.0 N
 Lon : 80-52-06.0 W
 Radius : 500

0 deg:	3.25,	4.0	497.99,	2.0	499.85,	4.0		
10 deg:	3.25,	4.0	3.37,	2.0	4.27,	4.0	429.76,	2.0
	499.52,	4.0						
20 deg:	4.49,	4.0	461.50,	2.0	462.62,	4.0	463.48,	2.0
	500.37,	4.0						
30 deg:	7.99,	4.0	168.07,	2.0	221.55,	4.0	221.93,	2.0
	222.73,	4.0	500.09,	2.0				
40 deg:	121.77,	4.0	123.44,	2.0	124.15,	4.0	138.92,	2.0
	250.41,	4.0	479.81,	2.0	486.17,	4.0	493.69,	5000.0
	500.04,	5000.0					499.56,	4.0
50 deg:	241.83,	4.0	469.21,	2.0	472.08,	5000.0	497.90,	4.0
	500.20,	5000.0						
60 deg:	222.02,	4.0	429.61,	2.0	436.14,	5000.0	458.53,	2.0
	499.13,	5000.0	500.21,	2.0				
70 deg:	199.98,	4.0	390.65,	2.0	456.49,	4.0	459.61,	5000.0
	470.39,	4.0	499.86,	5000.0				
80 deg:	119.03,	4.0	179.38,	2.0	242.79,	4.0	350.74,	2.0
	441.77,	4.0	447.85,	5000.0	470.55,	4.0	499.96,	5000.0
90 deg:	89.48,	4.0	214.41,	2.0	345.51,	4.0	346.27,	5000.0
	391.76,	4.0	500.24,	5000.0				
100 deg:	74.10,	4.0	238.89,	2.0	324.29,	4.0	327.46,	5000.0
	339.23,	4.0	500.26,	5000.0				
110 deg:	67.02,	4.0	198.31,	2.0	301.84,	4.0	500.34,	5000.0
120 deg:	63.40,	4.0	172.36,	2.0	286.36,	4.0	287.67,	5000.0
	288.16,	4.0	499.78,	5000.0				
130 deg:	60.88,	4.0	154.53,	2.0	251.50,	4.0	500.48,	5000.0
140 deg:	61.31,	4.0	144.86,	2.0	255.18,	4.0	500.04,	5000.0
150 deg:	62.58,	4.0	139.08,	2.0	274.17,	4.0	499.61,	5000.0
160 deg:	66.61,	4.0	138.28,	2.0	289.82,	4.0	499.83,	5000.0
170 deg:	72.85,	4.0	140.67,	2.0	307.93,	4.0	499.68,	5000.0
180 deg:	82.92,	4.0	149.63,	2.0	309.91,	4.0	347.90,	8.0
	358.09,	5000.0	360.87,	8.0	499.85,	5000.0		
190 deg:	99.27,	4.0	172.58,	2.0	499.63,	4.0		
200 deg:	127.55,	4.0	277.94,	2.0	278.19,	4.0	279.94,	2.0
	499.73,	4.0						
210 deg:	194.49,	4.0	194.87,	2.0	195.67,	4.0	293.50,	2.0
	478.65,	4.0	499.84,	2.0				
220 deg:	500.33,	4.0						
230 deg:	11.32,	4.0	11.91,	2.0	21.29,	4.0	21.89,	2.0
	33.03,	4.0	33.62,	2.0	37.14,	4.0	37.73,	2.0
	40.67,	2.0	43.01,	4.0	43.60,	2.0	44.18,	4.0
	47.12,	4.0	47.72,	2.0	48.30,	4.0	49.48,	2.0
	50.65,	2.0	51.23,	4.0	52.41,	2.0	52.99,	4.0
	60.05,	4.0	60.65,	2.0	61.22,	4.0	69.46,	2.0
	72.40,	2.0	72.98,	4.0	73.58,	2.0	500.24,	4.0
240 deg:	6.74,	4.0	117.88,	2.0	317.30,	4.0	382.59,	1.0
	500.17,	2.0						
250 deg:	4.61,	4.0	306.16,	2.0	321.03,	1.0	321.38,	2.0
	322.80,	1.0	500.06,	2.0				
260 deg:	4.41,	4.0	346.58,	2.0	347.52,	4.0	348.26,	2.0
	452.95,	4.0	499.96,	2.0				
270 deg:	4.41,	4.0	336.85,	2.0	387.64,	4.0	489.34,	2.0
	499.94,	4.0						
280 deg:	2.17,	4.0	410.44,	2.0	499.66,	4.0		
290 deg:	2.17,	4.0	393.49,	2.0	499.57,	4.0		
300 deg:	1.95,	4.0	199.36,	2.0	227.69,	4.0	407.59,	2.0
	499.95,	4.0						
310 deg:	1.95,	4.0	185.27,	2.0	273.48,	4.0	374.04,	2.0
	421.28,	8.0	499.97,	4.0				
320 deg:	1.95,	4.0	177.06,	2.0	249.03,	4.0	390.07,	2.0
	499.85,	8.0						
330 deg:	1.95,	4.0	175.40,	2.0	235.54,	4.0	469.92,	2.0
	500.32,	8.0						
340 deg:	2.39,	4.0	179.25,	2.0	231.73,	4.0	497.16,	2.0
	500.27,	8.0						
350 deg:	2.39,	4.0	492.96,	2.0	499.60,	4.0		

WTAB FACILITY DATA.TXT

Callsign : WTAB
 Coordinates : 34-09-00.0 N, 78-51-40.0 W
 Comments :
 Frequency (KHz): 1370
 Power (w): 5000.000
 Pattern : LD
 Efficiency : 957.238 mV/M
 Desc : ND1
 City/State : TABOR CITY, NC
 ARN :
 Licensee : WTAB, INC

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	210.6	0.0

Field Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	957.238	75	957.238	150	957.238	225	957.238	300	957.238
5	957.238	80	957.238	155	957.238	230	957.238	305	957.238
10	957.238	85	957.238	160	957.238	235	957.238	310	957.238
15	957.238	90	957.238	165	957.238	240	957.238	315	957.238
20	957.238	95	957.238	170	957.238	245	957.238	320	957.238
25	957.238	100	957.238	175	957.238	250	957.238	325	957.238
30	957.238	105	957.238	180	957.238	255	957.238	330	957.238
35	957.238	110	957.238	185	957.238	260	957.238	335	957.238
40	957.238	115	957.238	190	957.238	265	957.238	340	957.238
45	957.238	120	957.238	195	957.238	270	957.238	345	957.238
50	957.238	125	957.238	200	957.238	275	957.238	350	957.238
55	957.238	130	957.238	205	957.238	280	957.238	355	957.238
60	957.238	135	957.238	210	957.238	285	957.238		
65	957.238	140	957.238	215	957.238	290	957.238		
70	957.238	145	957.238	220	957.238	295	957.238		
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000			
RMSS		: 0.000		RMSt		: 0.000			
RSS		: 0.000							

□

WTAB CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 34-09-00.0 N
 Lon : 78-51-40.0 W
 Radius : 500

0 deg:	49.11,	4.0	143.61,	2.0	281.66,	4.0	500.31,	2.0	
10 deg:	54.56,	4.0	128.88,	2.0	174.12,	4.0	499.95,	2.0	
20 deg:	64.00,	4.0	115.51,	2.0	167.85,	4.0	466.81,	2.0	
	485.86,	4.0	493.82,	5000.0	499.79,	4.0			
30 deg:	77.00,	4.0	106.27,	2.0	166.34,	4.0	385.63,	2.0	
	395.44,	5000.0	403.69,	2.0	406.04,	5000.0	444.07,	2.0	499.66, 5000.0
40 deg:	172.39,	4.0	289.15,	2.0	291.53,	4.0	297.97,	5000.0	
	298.67,	4.0	299.16,	5000.0	399.27,	4.0	499.98,	5000.0	
50 deg:	225.97,	4.0	231.82,	5000.0	323.50,	4.0	350.88,	5000.0	
	354.95,	4.0	500.01,	5000.0					
60 deg:	197.49,	4.0	202.82,	5000.0	230.32,	4.0	233.87,	5000.0	
	234.53,	4.0	235.64,	5000.0	239.85,	4.0	240.51,	5000.0	243.40, 4.0
	245.17,	5000.0	246.50,	4.0	277.49,	5000.0	298.28,	4.0	299.39, 5000.0
	300.05,	4.0	500.39,	5000.0					
70 deg:	143.20,	4.0	145.67,	5000.0	163.34,	4.0	193.31,	5000.0	
	206.03,	4.0	210.95,	5000.0	217.31,	4.0	221.21,	5000.0	238.12, 4.0
	499.57,	5000.0							
80 deg:	105.91,	4.0	499.83,	5000.0					
90 deg:	94.57,	4.0	499.86,	5000.0					
100 deg:	83.69,	4.0	86.88,	5000.0	89.14,	4.0	499.56,	5000.0	
110 deg:	82.95,	4.0	499.93,	5000.0					
120 deg:	56.48,	4.0	500.14,	5000.0					
130 deg:	48.69,	4.0	500.19,	5000.0					
140 deg:	44.69,	4.0	500.17,	5000.0					
150 deg:	41.79,	4.0	500.35,	5000.0					
160 deg:	40.51,	4.0	500.18,	5000.0					
170 deg:	44.26,	4.0	500.06,	5000.0					
180 deg:	51.88,	4.0	500.31,	5000.0					
190 deg:	64.92,	4.0	500.11,	5000.0					
200 deg:	99.44,	4.0	104.33,	5000.0	125.00,	4.0	500.27,	5000.0	
210 deg:	167.57,	4.0	168.75,	5000.0	178.31,	4.0	490.86,	5000.0	
	500.10,	8.0							
220 deg:	236.68,	4.0	241.53,	5000.0	243.95,	4.0	288.34,	5000.0	
	289.06,	8.0	290.27,	5000.0	298.77,	8.0	310.42,	5000.0	313.34, 8.0
	340.30,	5000.0	346.38,	8.0	347.59,	5000.0	354.40,	8.0	358.04, 5000.0
	381.88,	8.0	499.84,	4.0					
230 deg:	500.39,	4.0							
240 deg:	499.70,	4.0							
250 deg:	265.98,	4.0	358.66,	2.0	500.17,	4.0			
260 deg:	198.19,	4.0	292.67,	2.0	493.57,	4.0	499.82,	1.0	
270 deg:	109.40,	4.0	231.35,	2.0	444.01,	4.0	466.29,	2.0	
	495.52,	1.0	500.12,	2.0					
280 deg:	77.46,	4.0	192.17,	2.0	335.73,	4.0	500.08,	2.0	
290 deg:	61.74,	4.0	170.97,	2.0	243.27,	4.0	499.81,	2.0	
300 deg:	53.66,	4.0	159.50,	2.0	223.89,	4.0	499.94,	2.0	
310 deg:	48.79,	4.0	152.91,	2.0	219.73,	4.0	393.52,	2.0	
	476.49,	4.0	500.21,	2.0					
320 deg:	45.99,	4.0	150.54,	2.0	230.15,	4.0	376.62,	2.0	
	432.88,	4.0	500.14,	2.0					
330 deg:	43.86,	4.0	151.07,	2.0	233.94,	4.0	499.78,	2.0	
340 deg:	44.32,	4.0	156.81,	2.0	257.95,	4.0	259.68,	2.0	
	262.81,	4.0	286.51,	2.0	293.36,	4.0	499.88,	2.0	
350 deg:	45.21,	4.0	157.08,	2.0	325.73,	4.0	500.00,	2.0	

WSSC FACILITY DATA.TXT

Callsign : WSSC
 Coordinates : 33-55-45.0 N, 80-19-29.0 W
 Comments :
 Frequency (KHz): 1340
 Power (w): 1000.000
 Pattern : LD
 Efficiency : 308.990 mV/M
 Desc : ND2
 City/State : SUMTER, SC
 ARN :
 Licensee : SUMTER BAPTIST TEMPLE, INC.

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	98.1	0.0

Field	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	308.990		75	308.990	150	308.990	225	308.990	300	308.990
5	308.990		80	308.990	155	308.990	230	308.990	305	308.990
10	308.990		85	308.990	160	308.990	235	308.990	310	308.990
15	308.990		90	308.990	165	308.990	240	308.990	315	308.990
20	308.990		95	308.990	170	308.990	245	308.990	320	308.990
25	308.990		100	308.990	175	308.990	250	308.990	325	308.990
30	308.990		105	308.990	180	308.990	255	308.990	330	308.990
35	308.990		110	308.990	185	308.990	260	308.990	335	308.990
40	308.990		115	308.990	190	308.990	265	308.990	340	308.990
45	308.990		120	308.990	195	308.990	270	308.990	345	308.990
50	308.990		125	308.990	200	308.990	275	308.990	350	308.990
55	308.990		130	308.990	205	308.990	280	308.990	355	308.990
60	308.990		135	308.990	210	308.990	285	308.990		
65	308.990		140	308.990	215	308.990	290	308.990		
70	308.990		145	308.990	220	308.990	295	308.990		
0.0 ohm K : 0.000 1.0 ohm K : 0.000										
RMSS : 0.000 RMSt : 0.000										
RSS : 0.000										

□

WSSC CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 33-55-45.0 N
 Lon : 80-19-29.0 W
 Radius : 500

0 deg:	15.29,	4.0	107.01,	2.0	216.34,	4.0	499.85,	2.0		
10 deg:	16.50,	4.0	130.34,	2.0	334.59,	4.0	334.72,	2.0		
	335.63,	4.0	499.49,	2.0						
20 deg:	18.20,	4.0	165.38,	2.0	348.47,	4.0	500.30,	2.0		
30 deg:	21.81,	4.0	207.78,	2.0	287.44,	4.0	499.89,	2.0		
40 deg:	28.02,	4.0	216.09,	2.0	256.47,	4.0	483.20,	2.0		
	485.08,	5000.0	500.24,	2.0						
50 deg:	42.25,	4.0	218.20,	2.0	270.92,	4.0	415.00,	2.0		
	500.32,	4.0								
60 deg:	103.37,	4.0	104.03,	2.0	105.16,	4.0	106.49,	2.0		
	108.73,	4.0	109.39,	2.0	110.52,	4.0	111.85,	2.0	112.97,	4.0
	220.10,	2.0	347.77,	4.0	355.51,	5000.0	445.53,	4.0	452.14,	5000.0
	470.39,	4.0	499.65,	5000.0						
70 deg:	341.94,	4.0	350.74,	5000.0	360.26,	4.0	364.88,	5000.0		
	365.89,	4.0	366.61,	5000.0	368.06,	4.0	371.51,	5000.0	376.85,	4.0
	499.93,	5000.0								
80 deg:	239.37,	4.0	500.03,	5000.0						
90 deg:	212.95,	4.0	500.13,	5000.0						
100 deg:	140.10,	4.0	499.86,	5000.0						
110 deg:	127.26,	4.0	499.86,	5000.0						
120 deg:	124.09,	4.0	500.40,	5000.0						
130 deg:	134.34,	4.0	499.78,	5000.0						
140 deg:	132.34,	4.0	499.61,	5000.0						
150 deg:	129.57,	4.0	499.71,	5000.0						
160 deg:	138.46,	4.0	499.78,	5000.0						
170 deg:	151.93,	4.0	499.73,	5000.0						
180 deg:	161.67,	4.0	499.85,	5000.0						
190 deg:	163.16,	4.0	485.63,	5000.0	499.73,	2.0				
200 deg:	215.21,	4.0	264.13,	8.0	268.15,	5000.0	331.18,	8.0		
	332.92,	5000.0	343.85,	8.0	348.75,	5000.0	366.33,	8.0	469.50,	4.0
	499.80,	2.0								
210 deg:	414.33,	4.0	498.54,	2.0	499.74,	4.0				
220 deg:	390.84,	4.0	499.65,	2.0						
230 deg:	499.81,	4.0								
240 deg:	127.74,	4.0	226.49,	2.0	500.44,	4.0				
250 deg:	93.45,	4.0	198.69,	2.0	499.91,	4.0				
260 deg:	57.01,	4.0	57.93,	2.0	58.69,	4.0	151.10,	2.0		
	353.79,	4.0	389.42,	1.0	395.68,	4.0	499.91,	2.0		
270 deg:	36.93,	4.0	119.95,	2.0	326.88,	4.0	368.43,	1.0		
	500.19,	2.0								
280 deg:	27.40,	4.0	102.85,	2.0	274.30,	4.0	407.08,	2.0		
	487.86,	4.0	500.08,	2.0						
290 deg:	21.18,	4.0	90.38,	2.0	220.94,	4.0	406.45,	2.0		
	451.80,	4.0	499.97,	2.0						
300 deg:	18.86,	4.0	82.42,	2.0	170.98,	4.0	482.98,	2.0		
	499.69,	4.0								
310 deg:	16.29,	4.0	79.47,	2.0	146.01,	4.0	500.36,	2.0		
320 deg:	15.31,	4.0	78.31,	2.0	141.16,	4.0	327.58,	2.0		
	414.17,	4.0	500.28,	2.0						
330 deg:	14.30,	4.0	79.70,	2.0	144.20,	4.0	323.29,	2.0		
	390.12,	4.0	499.92,	2.0						
340 deg:	14.21,	4.0	84.40,	2.0	152.52,	4.0	329.66,	2.0		
	382.14,	4.0	500.06,	2.0						
350 deg:	13.63,	4.0	92.67,	2.0	174.55,	4.0	499.50,	2.0		

AM Allocation Study

Coordinates : 34-12-36.0 N 80-13-49.0 W
 Frequency : 1360
 Initial PWR: 0.038
 Initial Inv Field: 60.49 mV/m

NIGHTTIME LIMIT STUDY: Proposed WAGS, Bishopville, SC

SITE INFO CALL FRQ COUNTRY CITY	ST DIST	CLASS	SLANT DIST	GEOMAG MID	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SHAVE FLD	LIMITATION	RSS 50%	RSS 25%
NEW 1360 US LITHONIA	GA 363.8	B	415.2	45.1	80.1	586.8	20.8	32.5	555.3	0.175674	19.510	19.510	19.510
WCHL 1360 US CHAPEL HILL	NC 221.2	B	298.2	46.3	210.0	384.1	32.6	46.7	318.0	0.277939	17.676	26.327	26.327
WSAI 1360 US CINCINNATI	OH 678.4	B	707.3	47.9	144.3	1065.4	10.4	17.9	1053.1	0.076805	16.177	30.900	30.900
WUJC 1360 US WASHINGTON TOWN NJ	769.2	B	794.7	48.4	217.8	476.3	8.9	15.5	437.4	0.062968	5.309	0.000	0.000

Nighttime Interference-Free 50% RSS at WAGS (Corrected) Site: 30.900 mV/m

Interference contributors:

NEW*=19.510 mV/m
 WCHL=17.676 mV/m
 WSAI=16.177 mV/m

Nighttime 25% RSS at WAGS (Corrected) Site:

30.900 mV/m

Interference contributors:

NEW*=19.510 mV/m
 WCHL=17.676 mV/m
 WSAI=16.177 mV/m

* = Indicates NEW CP @ Lithonia, GA (no call letters assigned); FCC File No: BNP-20070717ABL, Facility ID NO: 161539.

WAGS NIGHTTIME INTERFERENCE CONSTRAINTS

AM Allocation Study

Coordinates : 34-12-36.0 N 80-13-49.0 W
 Frequency : 1360
 Initial Pwr: 0.038
 Initial Inv Field: 60.49 mV/M

SITe INFO	BEARING	CALL	LIM	CLASS	SLANT DIST	GEOVAG MIDPT	AZIMUTH TO	Prop.			SWAVE FLD SWAVE	LIMITATION ALLOWABLE	RSS 50%	RSS 25%
								MIN ELEV	MAX ELEV	MAX RAD				
Max. Permis.														
2.7	*	WNY	120.350	B	708.0	48.5	2.7	60.5	58.9	17.8	0.075770	0.893	5.387	7.295
3.2	*	WNCB	2576.768	B	883.4	49.3	3.2	60.5	59.7	13.6	0.051509	0.061	9.853	10.618
4.4	*	WAVL	134.358	B	725.4	48.6	4.4	60.5	59.0	17.3	0.072738	0.859	6.819	7.818
9.6		NEW	1905.396	B	719.4	48.5	9.6	60.5	59.0	17.5	0.073789	0.087	10.698	11.248
12.3		WXXI	1795.389	B	1034.4	50.0	12.3	60.5	60.0	11.0	0.038375	0.046	4.834	5.512
22.1		WYOS	337.162	B	972.3	49.5	22.1	60.5	59.9	11.9	0.043463	0.521	9.616	11.723
24.4		WYK	1039.657	B	732.3	48.4	24.4	60.5	59.1	17.1	0.071917	0.085	4.785	5.982
25.1		WPPA	198.221	B	828.8	48.8	25.1	60.5	59.5	14.7	0.058163	0.692	8.172	9.223
27.0		WVLG	4993.239	B	684.4	48.1	27.0	60.5	58.8	18.6	0.090581	0.095	27.362	32.189
27.2	*	CJVL	2594.392	B	1576.5	51.8	27.2	60.5	60.3	3.5	0.023275	0.281	24.154	28.922
29.3	*	WCHL	119.244	B	298.2	46.3	29.3	60.5	60.3	46.7	0.277939	2.613	22.266	26.514
30.8		WTOC	324.917	B	921.7	49.0	30.8	60.5	59.8	12.8	0.048344	0.578	12.566	12.566
33.7		WVH	6033.983	B	862.2	48.7	33.7	60.5	59.4	14.0	0.054615	0.065	25.544	26.364
34.8		WVJC	399.935	B	794.7	48.4	34.8	60.5	59.4	15.5	0.062968	0.748	18.210	20.147
35.6		CKBC	3706.839	B	1934.9	52.6	35.6	60.5	60.3	1.3	0.011789	0.143	17.480	20.193
35.7		WFEA	2347.826	B	1245.9	50.0	35.7	60.5	60.1	8.2	0.027282	0.033	4.303	5.124
35.7		WDR	149.836	B	1090.0	49.4	35.7	60.5	60.4	10.2	0.042437	0.428	3.621	4.264
35.9		WNLK	7308.264	B	992.8	49.1	35.9	60.5	59.9	11.6	0.017561	0.021	22.676	24.811
38.0		WDEA	10442.469	B	1534.1	50.9	38.0	60.5	60.4	5.5	0.034485	0.041	45.222	45.222
40.8		WKFD	16391.784	B	1113.1	49.3	40.8	60.5	60.1	9.8	0.013747	0.166	22.584	24.736
45.8		NEW	4107.108	B	1845.0	51.2	45.8	60.5	56.8	26.5	0.132737	0.151	12.856	14.122
48.5		WGPL	1329.727	B	500.0	46.9	48.5	60.5	60.5	61.9	0.379176	0.259	25.921	30.266
92.6		WTAB	997.764	B	236.4	45.5	92.6	60.5	60.5	0.7	0.012686	0.015	14.154	14.646
137.0		WTVV	14431.612	B	2321.5	37.8	137.0	60.5	60.5	1.1	0.013550	0.016	13.048	13.048
138.4		WEGA	12036.840	B	2230.9	38.0	138.4	60.5	60.5	0.0	0.004490	0.006	6.500	6.500
141.5		ZV1	33185.931	B	4871.9	27.8	141.5	60.5	60.5	0.0	0.002508	0.025	0.000	0.000
143.0		ZV3	996.941	A	7459.0	327.3	143.0	60.5	60.5	0.6	0.003717	0.045	5.521	6.072
144.6		HIMG	3713.393	C	2089.4	37.9	144.6	60.5	60.5	1.4	0.004735	0.057	4.957	5.702
147.5		HISF	2617.276	C	1929.7	38.2	147.5	60.5	60.4	2.0	0.005729	0.069	4.440	5.177
149.9		HISJ	1937.655	C	1818.5	38.5	149.9	60.5	60.5	0.0	0.001534	0.019	10.000	10.000
154.0		VTVW	16292.709	C	2919.8	33.7	154.0	60.5	60.5	0.0	0.002488	0.003	4.424	4.655
155.1		CP44	44567.403	C	6840.2	17.2	155.1	60.5	60.5	0.0	0.001933	0.002	4.000	4.000
156.3		CP13	99999.000	C	7938.6	12.3	156.3	60.5	60.5	0.0	0.000242	0.003	4.000	4.000
156.9		CP13	41360.798	C	7038.3	16.1	156.9	60.5	60.5	0.0	0.000210	0.003	4.000	4.455
158.1		CP13	47684.998	C	7608.4	13.4	158.1	60.5	60.5	0.0	0.001756	0.021	10.000	10.000
159.6		VVTI	14233.345	C	2765.7	33.9	159.6	60.5	60.5	0.0	0.000190	0.002	2.661	3.115
159.7		CA41	35083.526	C	8009.7	11.4	159.7	60.5	60.5	0.0	0.000241	0.003	2.500	2.723
163.4		LRK2	25957.563	C	7018.4	14.9	163.4	60.5	60.5	0.0	0.000384	0.005	10.000	10.000
165.4		OZK7	99999.000	C	5483.7	21.4	165.4	60.5	60.5	0.0	0.001882	0.023	10.000	10.000
168.7		HJTU	13285.508	C	2689.8	33.7	168.7	60.5	60.5	0.0	0.001141	0.014	10.000	10.000
168.7		HJRA	21904.982	C	3316.9	30.8	168.7	60.5	60.5	0.0	0.000194	0.002	2.500	2.500
170.8		CC1	32219.062	C	7922.8	10.1	170.8	60.5	60.5	0.0	0.000436	0.005	10.000	10.000
174.0		OAX4	99999.000	C	5174.3	22.3	174.0	60.5	60.5	0.0	0.000753	0.009	10.000	10.000
175.8		HCRJ	33194.948	C	3997.2	22.6	175.8	60.5	60.5	0.0	0.001711	0.021	5.894	7.222
177.3		HOG	8611.625	C	2794.0	33.0	177.3	60.5	60.5	0.0	0.000684	0.008	6.500	6.500
178.6		HCHG	23756.981	C	4169.8	26.8	178.6	60.5	59.9	12.1	0.031205	0.613	5.988	8.965
179.4		WKAT	218.861	B	962.4	41.2	179.4	60.5	60.5	0.0	0.000781	0.009	10.000	10.000
179.5		WCEM	32008.674	C	3927.5	27.8	179.5	60.5	60.5	0.0	0.086194	0.101	15.965	20.262
180.4		WMWV	2538.402	C	681.6	42.5	180.4	60.5	58.8	18.7	0.001839	0.022	5.883	7.090
184.5		TIBA	7996.968	B	2714.1	33.3	184.5	60.5	60.5	0.0	0.077812	0.919	10.755	11.821
186.7		WHNR	189.897	B	730.1	42.3	186.7	60.5	59.1	17.2	0.002123	0.026	5.743	5.938
191.9		YNGF	6762.127	C	2567.3	34.1	191.9	60.5	60.5	0.0	0.001428	0.096	14.097	18.696
195.0		WDCE	2870.012	C	708.0	42.5	195.0	60.5	58.9	17.8	0.002628	0.032	5.101	5.793
196.4		HRLP	4853.084	B	2356.2	35.2	196.4	60.5	60.4	0.0	0.017333	0.209	10.604	12.590
199.2		XEUL	1529.453	B	1717.7	38.8	199.2	60.5	60.5	2.6	0.006797	0.082	10.789	12.317
215.1		XEDU	3968.398	B	2333.0	36.5	215.1	60.5	60.5	0.0	0.007023	0.085	9.660	11.031
216.8		XEDQ	3438.466	B	2306.9	37.3	216.8	60.5	60.5	0.0	0.005098	0.062	7.640	9.591
224.0		XKCF	3746.536	B	2607.5	37.2	224.0	60.5	59.4	13.2	0.086247	0.079	3.149	5.125
232.1		WCOA	967.099	B	806.7	43.4	232.1	60.5	60.5	0.0	0.003915	0.047	6.034	7.174
239.6		XEMA	3853.083	B	2900.3	37.5	239.6	60.5	54.6	32.5	0.176115	0.192	17.495	18.221
240.1		WNGN	1293.249	B	414.8	44.6	240.1	60.5	59.6	14.2	0.060667	0.723	14.375	16.009
241.8		WMOB	329.852	B	852.9	43.5	241.8	60.5	60.5	8.0	0.043195	0.052	3.873	5.772
244.0		WSMB	1670.331	B	1057.8	43.1	244.0	60.5	60.5	10.6	0.017784	0.215	3.803	9.445
251.2		KKTX	663.851	B	1798.0	42.0	251.2	60.5	60.5	3.6	0.017784	0.215	3.803	9.445

WAGS Nighttime Constraints
(Cont.)

SITE INFO			CLASS	SLANT DIST	GEOVAG MIDPT	AZIMUTH TO	PROP. GND RAD	MIN ELEV	MAX ELEV	PROP. MAX RAD	SWAVE FLD	PROP. LIMITATION ALLOWABLE	RSS LIMIT 50%	RSS LIMIT 25%
BEARING	CALL	LIM												
Max. Permis.														
254.6	KWJ	735.968	B	1490.5	43.0	254.6	60.5	2.2	5.9	60.4	0.024287	0.293	13.810	14.300
257.9	XEIK	2035.525	B	2025.2	42.4	257.9	60.5	0.9	0.9	60.5	0.010193	0.123	8.299	10.746
258.3	KCOR	10886.675	B	1820.7	42.8	258.3	60.5	0.5	3.4	60.5	0.017062	0.021	12.662	14.859
259.9	KJCE	10562.145	B	1703.6	43.2	259.9	60.5	1.0	4.2	60.5	0.019067	0.023	15.556	16.111
262.3	NEW	179.004	B	415.2	45.1	262.3	60.5	20.8	32.5	54.6	0.175674	1.919	23.456	25.157
262.9	XEDI	3346.800	B	2529.2	42.4	262.9	60.5	0.0	0.0	60.5	0.005352	0.067	7.433	10.068
264.2	NEW	880.801	B	539.4	45.1	264.2	60.5	14.9	24.4	57.4	0.120357	0.138	7.399	8.481
266.0	KPRO	3017.005	B	1370.9	44.4	266.0	60.5	3.0	6.9	60.4	0.027324	0.033	4.070	6.595
268.8	KWNY	606.860	B	1570.8	44.5	268.8	60.5	1.8	5.2	60.4	0.021412	0.259	7.292	10.395
269.4	WGAD	1166.808	B	575.4	45.2	269.4	60.5	13.7	22.7	57.8	0.109204	0.126	7.597	10.194
270.6	KACT	1378.600	B	2090.9	44.3	270.6	60.5	0.0	1.9	60.5	0.012679	0.153	11.988	13.984
277.6	KPKQ	1754.408	B	2948.8	44.9	277.6	60.5	0.0	0.0	60.5	0.006200	0.075	7.070	8.702
277.8	KLSD	1277.802	B	3409.1	44.6	277.8	60.5	0.0	0.0	60.5	0.004612	0.056	3.643	4.715
279.5	KDJW	1692.402	B	1979.1	45.7	279.5	60.5	0.0	2.5	60.5	0.013413	0.162	14.350	18.160
279.9	KABQ	12337.084	B	2421.8	45.7	279.9	60.5	0.0	0.2	60.5	0.009014	0.011	7.883	8.897
280.1	KWRM	16381.718	B	3423.8	45.2	280.1	60.5	0.0	0.0	60.5	0.004433	0.005	5.364	5.809
280.4	KTDD	17778.744	B	3397.3	45.3	280.4	60.5	0.0	0.0	60.5	0.004485	0.005	6.139	6.379
281.9	KUPA	36265.716	B	7603.6	40.5	281.9	60.5	0.0	0.0	60.5	0.000862	0.001	2.500	2.500
282.6	WDEF	742.536	B	516.7	45.8	282.6	60.5	15.7	25.6	57.0	0.127628	0.146	6.803	7.581
287.6	KZSF	25138.149	B	3747.0	47.1	287.6	60.5	0.0	0.0	60.5	0.003226	0.004	5.858	6.488
288.1	KFTV	3006.273	B	3662.3	47.3	288.1	60.5	0.0	0.0	60.5	0.003370	0.041	6.996	8.106
288.2	KGNO	5224.849	B	1837.6	47.0	288.2	60.5	0.4	3.3	60.5	0.014760	0.018	4.594	6.169
288.8	KGHF	6932.546	B	2238.2	47.3	288.8	60.5	0.0	1.1	60.5	0.009856	0.012	4.065	5.466
289.7	KSRO	13401.211	B	3808.9	47.7	289.7	60.5	0.0	0.0	60.5	0.002980	0.004	3.194	3.194
289.8	KAHS	801.973	B	1554.7	47.0	289.8	60.5	1.9	5.3	60.4	0.020244	0.245	12.988	12.988
290.0	KACE	2413.928	B	2908.5	47.7	290.0	60.5	0.0	0.0	60.5	0.005119	0.067	8.428	10.657
292.2	KPCO	36535.609	B	3636.7	48.4	292.2	60.5	0.0	0.0	60.5	0.003156	0.004	7.825	9.223
294.0	KSPQ	29991.302	B	2879.2	48.6	294.0	60.5	0.0	0.0	60.5	0.005345	0.006	12.099	12.824
294.8	KKNC	1583.892	B	2287.8	49.4	294.8	60.5	0.0	0.8	60.5	0.008926	0.108	11.310	11.310
296.6	KRKC	1469.505	B	2667.3	48.0	296.6	60.5	0.0	0.0	60.5	0.006168	0.075	5.979	7.251
299.4	KTK	28848.653	B	3275.5	50.2	299.4	60.5	0.0	0.0	60.5	0.003340	0.004	8.169	8.169
302.3	KUIK	16922.596	B	3806.8	51.4	302.3	60.5	0.0	0.0	60.5	0.002178	0.026	29.492	29.492
303.4	KAST	99999.000	B	3884.9	51.8	303.4	60.5	0.0	0.0	60.5	0.001583	0.002	7.220	9.496
303.4	KOHU	12533.108	B	3533.5	51.5	303.4	60.5	0.0	0.0	60.5	0.002618	0.032	24.473	26.246
304.9	KRLC	16533.797	B	3366.7	51.7	304.9	60.5	0.0	0.0	60.5	0.002900	0.004	3.324	3.835
305.1	KHNY	33709.100	B	2567.7	50.6	305.1	60.5	0.0	0.0	60.5	0.006047	0.007	15.452	16.308
305.5	KXTL	8086.520	B	3030.2	51.3	305.5	60.5	0.0	0.0	60.5	0.003864	0.005	2.500	2.500
305.5	KWMO	2460.226	B	3790.8	52.3	305.5	60.5	0.0	0.0	60.5	0.001996	0.024	2.991	3.929
308.3	KSCJ	322.682	B	1690.1	49.4	308.3	60.5	1.1	4.3	60.5	0.015640	0.189	3.347	4.037
308.9	KRWL	99999.000	B	3409.7	52.6	308.9	60.5	2.6	6.3	60.4	0.002560	0.003	17.378	17.587
308.9	KRNT	2126.027	B	1439.4	48.9	308.9	60.5	10.6	18.1	58.9	0.021786	0.026	2.828	3.705
313.3	WLOU	2023.677	B	700.8	47.4	313.3	60.5	5.1	9.9	60.1	0.078653	0.093	10.868	12.733
313.4	WQAM	3526.108	B	1107.0	48.5	313.4	60.5	0.0	0.0	60.5	0.035719	0.043	9.629	10.076
314.6	NEW	10958.330	B	3295.4	53.8	314.6	60.5	1.5	4.8	60.5	0.002883	0.035	12.639	15.467
314.7	KSUM	7603.128	B	1625.9	50.0	314.7	60.5	0.0	0.0	60.5	0.016438	0.020	9.082	9.998
316.0	WGCL	2714.133	B	819.6	47.8	316.0	60.5	8.5	14.9	59.3	0.060375	0.072	11.914	13.153
318.5	KOTH	3020.190	B	1306.1	49.4	318.5	60.5	3.5	7.6	60.3	0.025624	0.031	5.250	6.191
322.4	KWTL	18336.190	B	2077.8	52.1	322.4	60.5	0.0	1.9	60.5	0.008645	0.010	12.682	12.682
324.7	KREJ	2019.638	B	1922.2	51.9	324.7	60.5	0.0	2.8	60.5	0.010400	0.126	16.804	16.804
324.7	WTOU	1737.725	B	886.6	48.4	324.7	60.5	7.5	13.5	59.7	0.052411	0.063	6.077	7.286
324.8	WTH	5250.384	B	1042.7	49.0	324.8	60.5	5.7	10.8	60.0	0.039065	0.047	15.521	16.409
324.8	WSAI	59.305	B	707.3	47.9	324.8	60.5	10.4	17.9	58.9	0.076805	0.905	2.500	3.444
326.9	*WTAQ	232.493	B	1335.4	50.4	326.9	60.5	3.2	7.3	60.3	0.023553	0.284	3.199	4.381
331.7	WKMI	292.324	B	1032.9	49.4	331.7	60.5	5.8	11.0	60.0	0.039192	0.470	7.138	9.165
334.5	WKJF	11523.282	B	1216.2	50.4	334.5	60.5	4.1	8.6	59.7	0.028152	0.034	22.904	25.952
339.8	WKGF	918.567	B	893.9	49.1	339.8	60.5	7.4	13.4	60.2	0.050836	0.061	2.757	3.736
341.6	WSPD	918.567	B	1082.6	50.0	341.6	60.5	5.3	10.3	60.1	0.035306	0.424	23.405	26.325
346.1	WKYO	932.030	B	1082.6	50.0	346.1	60.5	8.7	15.2	59.4	0.060651	0.072	3.371	4.350
352.1	WTOU	892.486	B	806.9	48.9	352.1	60.5	7.4	7.4	59.7	0.055016	0.657	28.524	34.108
356.3	NEW	1296.184	B	1116.3	50.4	356.3	60.5							

* See attached Nighttime Limit Study for referenced station.

AM Allocation Study

Coordinates : 40-18-41.0 N 79-50-59.0 W
 Frequency : 1360
 Initial Pwr: 1.000
 Initial Inv Field: 300.95 mV/m

NIGHTTIME LIMIT STUDY: WMNY, McKeesport, PA

SITE INFO CALL FRQ	COUNTRY	CITY	ST DIST	CLASS	SLANT DIST	GEOMAG MID	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMITATION	RSS 50%	RSS 25%
WKMI 1360 US		KALAMAZOO	MI 524.1	B	561.0	52.5	113.4	216.1	14.2	23.3	166.9	0.100346	3.350	3.350	3.350
WSAI 1360 US		CINCINNATI	OH 417.1	B	462.5	50.9	72.0	137.4	18.1	28.9	113.3	0.141275	3.200	4.633	4.633
WAVL 1360 US		APOLLO	PA 26.8	B	201.8	51.6	231.5	57.0	78.2	82.8	29.5	0.465458	2.749	5.387	5.387
WSPD 1370 US		TOLEDO	OH 341.1	B	395.4	52.1	113.6	862.7	22.1	34.2	754.2	0.175539	2.648	0.000	6.003
WCHL 1360 US		CHAPEL HILL	NC 491.5	B	530.6	49.4	351.8	127.9	15.2	24.8	102.4	0.117483	2.405	0.000	6.466
WTOU 1350 US		AKRON	OH 169.4	B	262.1	52.0	123.7	434.4	40.0	54.3	332.6	0.322393	2.145	0.000	6.813
WDRC 1360 US		HARTFORD	CT 622.3	B	653.7	52.5	256.8	127.9	11.6	19.6	120.3	0.077764	1.871	0.000	7.065
WKYO 1360 US		CARO	MI 456.6	B	498.4	53.1	138.8	79.7	16.5	26.6	76.1	0.119441	1.817	0.000	7.295
WYOS 1360 US		BINGHAMTON	NY 383.3	B	432.3	52.5	240.7	57.7	19.7	31.1	53.5	0.151656	1.623	0.000	0.000
WTOC 1360 US		NEWTON	NJ 438.4	B	481.9	52.1	261.0	75.7	17.2	27.6	61.9	0.129394	1.602	0.000	0.000
WPPA 1360 US		POTTSVILLE	PA 311.9	B	370.5	51.8	263.3	44.5	24.1	36.7	39.1	0.194692	1.523	0.000	0.000
NEW 1360 CA		WALKERTON-HANOV	ON 430.0	B	474.2	53.4	165.5	61.5	17.5	28.1	58.6	0.128104	1.502	0.000	0.000
WKAT 1360 US		NORTH MIAMI	FL 1619.9	B	1632.2	44.3	0.9	300.9	1.4	4.7	300.5	0.020089	1.207	0.000	0.000
WMCB 1370 US		CORRY	PA 181.4	B	270.0	52.4	185.2	378.8	38.0	52.4	194.5	0.307403	1.196	0.000	0.000
WHNR 1360 US		CYPRESS GARDENS	FL 1376.9	B	1391.4	45.4	6.6	219.0	2.9	6.7	217.9	0.026000	1.133	0.000	0.000
KSCJ 1360 US		SILOUX CITY	IA 1394.4	B	1408.7	52.5	94.7	288.9	2.7	6.6	284.1	0.019070	1.084	0.000	0.000
NEW 1360 US		LITHONIA	GA 826.2	B	850.1	48.2	26.1	98.1	8.0	14.3	87.2	0.056585	0.987	0.000	0.000
WTAQ 1360 US		GREEN BAY	WI 816.0	B	840.1	53.5	121.3	98.4	8.2	14.5	100.9	0.048304	0.975	0.000	0.000
WAGS 1360 US		BISHOPVILLE	SC 679.2	D	708.0	48.5	2.7	60.5	10.4	17.8	58.9	0.075770	0.893	0.000	0.000
WVTI 1360 VE		MARACAIBO 5	3392.9	C	3398.8	37.0	347.7	692.0	0.0	0.0	692.0	0.006397	0.885	0.000	0.000

Nighttime Interference-Free 50% RSS at WMNY Site:

Interference contributors:

WKMI=3.350 mV/m
 WSAI=3.200 mV/m
 WAVL=2.749 mV/m

5.387 mV/m

Nighttime 25% RSS at WMNY Site:
 Interference contributors:

WKMI=3.350 mV/m
 WSAI=3.200 mV/m
 WAVL=2.749 mV/m
 WSPD=2.648 mV/m
 WCHL=2.405 mV/m
 WTOU=2.145 mV/m
 WDRC=1.871 mV/m
 WKYO=1.817 mV/m

7.295 mV/m

Required Protection from Proposed WAGS:

1.823 mV/m
 =====

AM Allocation Study

Coordinates : 40-27-42.5 N 79-36-07.3 W
 Frequency : 1360
 Initial PWR: 0.700
 Initial Inv Field: 260.60 mV/m

NIGHTTIME LIMIT STUDY: WAVL, Apollo, PA (Construction Permit: BMJP-20051031AAB)

SITE INFO CALL FRQ	COUNTRY	CITY	ST DIST	CLASS	SLANT DIST	GEOMAG MID	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMITATION	RSS 50%	RSS 25%
WMNY 1360 US		MCKEESPORT	PA 26.8	B	201.8	51.6	51.4	136.5	78.2	82.8	53.5	0.465458	4.982	4.982	4.982
WSAI 1360 US		CINCINNATI	OH 441.8	B	484.9	51.0	70.6	153.9	17.0	27.4	129.7	0.131094	3.402	6.033	6.033
WKMI 1360 US		KALAWAZOO	MI 535.7	B	571.8	52.5	110.8	211.2	13.8	22.8	163.8	0.097016	3.178	6.819	6.819
WSPD 1370 US		TOLEDO	OH 353.4	B	406.1	52.2	109.7	781.3	21.4	33.3	691.4	0.168266	2.327	0.000	7.205
WCHL 1360 US		CHAPEL HILL	NC 505.4	B	543.6	49.5	354.5	125.6	14.8	24.2	101.7	0.113023	2.298	0.000	7.563
WDRC 1360 US		HARTFORD	CT 597.3	B	629.9	52.6	257.7	129.5	12.2	20.5	120.2	0.082544	1.984	0.000	7.818
WKYO 1360 US		CARO	MI 457.4	B	499.2	53.1	135.5	81.9	16.4	26.5	77.3	0.118849	1.838	0.000	0.000
WYOS 1360 US		BINGHAMTON	NY 356.7	B	408.9	52.6	241.2	58.1	21.2	33.0	52.9	0.165039	1.747	0.000	0.000
WPPA 1360 US		POTTSVILLE	PA 288.9	B	351.3	51.9	265.9	44.1	25.8	38.9	38.0	0.210516	1.602	0.000	0.000
WTOU 1350 US		AKRON	OH 178.9	B	268.3	52.0	115.4	197.4	38.4	52.8	251.2	0.311437	1.565	0.000	0.000
NEW 1360 CA		WALKERTON-HANOV	ON 419.4	B	464.6	53.5	162.2	62.4	18.0	28.7	59.0	0.132076	1.557	0.000	0.000
WTOC 1360 US		NEWTON	NJ 414.6	B	460.3	52.1	262.7	71.2	18.2	29.0	55.8	0.138812	1.550	0.000	0.000
WACB 1370 US		CORRY	PA 164.0	B	258.6	52.5	178.4	412.0	40.9	55.2	190.9	0.326607	1.247	0.000	0.000
WKAT 1360 US		NORTH MIAMI	FL 1637.2	B	1649.4	44.4	1.7	300.9	1.3	4.6	300.5	0.019672	1.182	0.000	0.000
WHNR 1360 US		CYPRESS GARDENS	FL 1396.4	B	1410.7	45.5	7.4	222.3	2.7	6.6	221.3	0.025319	1.121	0.000	0.000
KSCJ 1360 US		SIOUX CITY	IA 1410.2	B	1424.3	52.6	93.9	293.9	2.6	6.4	289.4	0.173712	1.013	0.000	0.000
WXXI 1370 US		ROCHESTER	NY 338.1	B	392.8	53.1	210.5	255.8	22.3	34.5	291.5	0.151973	0.976	0.000	0.000
WNJC 1360 US		WASHINGTON TOWN	NJ 389.6	B	438.0	51.5	282.5	75.0	19.4	30.6	32.1	0.047397	0.958	0.000	0.000
WTAQ 1360 US		GREEN BAY	WI 823.1	B	847.1	53.6	119.5	102.0	8.1	14.3	101.1	0.053898	0.937	0.000	0.000
NEW 1360 US		LITHONIA	GA 851.0	B	874.2	48.3	26.8	97.0	7.7	13.8	86.9	0.006338	0.877	0.000	0.000
WYTI 1360 VE		MARACAYBO 5	3403.3	C	3409.2	37.0	348.1	692.0	0.0	0.0	692.0	0.007738	0.859	0.000	0.000
WAGS 1360 US		BISHOPVILLE	SC 697.3	D	725.4	48.6	4.4	60.5	10.1	17.3	59.0	0.005942	0.822	0.000	0.000
WYTW 1360 VE		CHIVACOA	3531.0	C	3536.7	36.9	344.4	692.0	0.0	0.0	692.0				

Nighttime Interference-Free 50% RSS at WAVL Site:

Interference contributors:

WMNY=4.982 mV/m

WSAI=3.402 mV/m

WKMI=3.178 mV/m

Nighttime 25% RSS at WAVL Site:

Additional contributors:

WSPD=2.327 mV/m

WCHL=2.298 mV/m

WDRC=1.984 mV/m

Required Protection from Proposed WAGS:

1.954 mV/m
 =====

FIGURE 10C

6.819 mV/m

7.818 mV/m

AM Allocation Study

Coordinates : 35-56-18.0 N 79-01-36.0 W
 Frequency : 1360
 Initial Pwr: 1.000
 Initial Intv Field: 281.64 mV/m

NIGHT LIMIT STUDY: WCHL, Chapel Hill, NC

SITE INFO CALL FRQ	COUNTRY	CITY	ST DIST	CLASS	SLANT DIST	GEOMAG MID	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMITATION	RSS 50%	RSS 25%
WSAI 1360 US		CINCINNATI	OH 608.5	B	640.5	48.8	125.5	1323.8	11.9	20.1	1258.7	0.088449	22.266	22.266	22.266
WMNY 1360 US		MCKEESPORT	PA 491.5	B	530.6	49.4	171.3	372.2	15.2	24.8	332.2	0.117483	7.805	0.000	23.595
WNJC 1360 US		WASHINGTON TOWN	NJ 549.4	B	584.6	49.2	220.0	462.0	13.4	22.3	378.9	0.101290	7.676	0.000	24.812
WPPA 1360 US		POTTSVILLE	PA 584.0	B	617.3	49.7	205.9	391.8	12.5	20.9	366.4	0.092174	6.755	0.000	25.715
WAVL 1360 US		APOLLO	PA 505.4	B	543.6	49.5	174.1	316.8	14.8	24.2	285.8	0.113023	6.461	0.000	26.514
NEW 1360 US		LITHONIA	GA 527.4	B	564.1	46.0	60.5	244.7	14.1	23.2	280.7	0.111756	6.274	0.000	0.000
WDRC 1360 US		HARTFORD	CT 852.0	B	875.2	50.3	222.0	449.0	7.7	13.7	445.3	0.050803	4.524	0.000	0.000
WTOC 1360 US		NEWTON	NJ 678.7	B	707.5	49.9	214.7	252.5	10.4	17.9	240.6	0.073566	3.539	0.000	0.000
WNNR 1360 US		CYPRESS GARDENS	FL 915.5	B	937.1	43.2	15.3	264.4	6.9	12.6	260.9	0.052444	2.737	0.000	0.000
WAGS 1360 US		BITSHOPTVILLE	SC 221.2	D	298.2	46.3	29.3	60.5	32.6	46.7	47.0	0.277939	2.613	0.000	0.000
WTOU 1350 US		AKRON	OH 620.2	B	651.7	49.8	158.8	1495.6	11.7	19.7	1389.6	0.084262	2.342	0.000	0.000

Nighttime Interference-Free 50% RSS at WCHL Site:

22.266 mV/m

Interference contributor(s): WSAI=22.266 mV/m

Nighttime 25% RSS at WCHL Site:

26.514 mV/m

Interference contributors:

WSAI=22.266 mV/m
 WMNY= 7.805 mV/m
 WNJC= 7.676 mV/m
 WPPA= 6.755 mV/m
 WAVL= 6.461 mV/m

Required Protection from Proposed WAGS:
 (smallest contributor)

6.461 mV/m
 =====

AM Allocation Study

Coordinates : 39-14-51.0 N 84-31-52.0 W
 Frequency : 1360
 Initial Pwr: 5.000
 Initial Inv Field: 901.23 mV/m

NIGHTTIME LIMIT STUDY: WSAI, Cincinnati, OH

SITE INFO CALL FRQ COUNTRY CITY ST DIST	CLASS SLANT DIST	GEOMAG MID	AZIMUTH	GND RAD	MIN ELEV	MAX ELEV	MAX RAD	SWAVE FLD	LIMITATION	RSS 50%	RSS 25%
WGCL 1370 US BLOOMINGTON IN 181.2	B 269.9	50.1	87.3	366.0	38.0	52.4	233.8	0.314435	1.470	1.470	1.470
WKAT 1360 US NORTH MIAMI FL 1555.9	B 1568.7	43.7	345.9	300.9	1.8	5.2	300.2	0.021890	1.314	1.972	1.972
WTAQ 1360 US GREEN BAY WI 646.8	B 677.0	52.7	151.8	75.4	11.1	18.8	85.8	0.072733	1.248	2.334	2.334
WIOU 1350 US KOKOMO IN 187.5	B 274.1	50.8	133.4	210.7	37.1	51.5	181.3	0.306084	1.110	0.000	2.584
KKTX 1360 US CORPUS CHRISTI TX 1744.4	B 1755.9	44.2	39.8	305.8	0.8	3.9	305.7	0.017632	1.078	0.000	2.800
KWNY 1360 US BAYTOWN TX 1423.3	B 1437.3	45.2	39.5	201.2	2.6	6.3	200.8	0.024641	0.989	0.000	2.970
WKMI 1360 US MCKEESPORT PA 417.1	B 462.5	50.9	255.0	46.8	18.1	28.9	34.7	0.141275	0.982	0.000	3.128
WKYO 1360 US CARO MI 477.7	B 517.9	52.4	191.8	58.2	15.7	25.5	42.0	0.114454	0.962	0.000	3.273
NEW 1360 CA WALKERTON-HANOV ON 605.9	B 638.0	52.8	209.1	61.0	12.0	20.2	58.8	0.080305	0.944	0.000	3.406
WKMI 1360 US KALAMAZOO MI 352.4	B 405.2	51.7	165.9	30.2	21.4	33.3	26.9	0.170362	0.917	0.000	3.527
WNJC 1360 US WASHINGTON TOWN NJ 810.5	B 834.8	50.9	268.7	91.5	8.2	14.6	84.5	0.054138	0.915	0.000	3.644
WAGS 1360 US RISHOPVILLE SC 678.4	D 707.3	47.9	326.9	60.5	10.4	17.9	58.9	0.076805	0.905	0.000	0.000
WVTV 1360 VE MARACATIRO 5	C 3429.2	36.5	340.3	692.0	0.0	0.0	692.0	0.006425	0.889	0.000	0.000

Nighttime Interference-Free 50% RSS at WSAI Site:

Interference contributors: WGCL=1.470 mV/m
 WKAT=1.314 mV/m
 WTAQ=1.248 mV/m

2.334 mV/m

Nighttime 25% RSS at WSAI Site:

3.644 mV/m

Interference contributors:

WGCL=1.470 mV/m
 WKAT=1.314 mV/m
 WTAQ=1.248 mV/m
 WIOU=1.110 mV/m
 KKTX=1.078 mV/m
 KWWJ=0.989 mV/m
 WMNY=0.982 mV/m
 WKYO=0.962 mV/m
 NEW*=0.944 mV/m
 WKMI=0.917 mV/m
 WNJC=0.915 mV/m

(* = Allocation, Walkerton-Hanover, ON)

Required Protection from Proposed WAGS:

0.911 mV/m
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