

Winston-Salem, North Carolina  
Application for Minor Modification of FM Translator W267AM  
On Channel 268  
by  
Eastern Airwaves, LLC

Exhibit 13  
Interference Analysis

October 2014

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Declaration

I declare, under penalty of perjury, that I am a technical consultant to broadcasting and other communications systems, that I have over twenty-five years of experience in the engineering of broadcast and other communications systems, that I am familiar with the Federal Communications Commission's Rules found in the Code of Federal Regulations Title 47, that I am a Professional Engineer registered in North Carolina, that I have prepared or supervised the preparation of the attached Exhibit 13, Interference Analysis, for Eastern Airwaves, LLC, and that all of the facts therein, except for facts of which the Federal Communications Commission may take official notice, are true to the best of my knowledge and belief.



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28 October 2014

### Narrative

This Exhibit supports a minor modification application for FM translator W267AM, on Channel 268 in Winston-Salem, North Carolina. Allocation details are provided in this exhibit. This proposal complies fully with the requirements of 74 C.F.R. §74.1204(a), with the exception of facilities protected under 47 C.F.R. §74.1204(d) by the Undesired to Desired (U/D) method described below. The proposed modified facilities create no mutual exclusivities with any licensed facilities, construction permits, or applications as shown in the allocation table in this exhibit.

Figure 1 shows the authorized 60 dBu F(50,50) coverage area, and the proposed 60 dBu F(50,50) coverage area. Figure 1 shows fill-in status confirmation. As shown on Figure 1, the proposed modification is a minor modification of the licensed facilities.

The modifications consist of a change to first adjacent channel and a new directional antenna.

### Allocations

This application proposes service to Winston-Salem, North Carolina, on channel 268. An updated Table 1: Allocations is included in this exhibit with a list of the stations, construction permits, allocations, and applications studied. All are protected under §74.1204(a) contour protection by this application, with the exception of facilities protected by the Undesired to Desired (U/D) method. Facilities protected by the U/D method are listed in Table 2. The allocations table was prepared using the NGDC 30 arcsecond terrain database which is described below. Where the outgoing protection is provided by interference contours

with a separation of less than 3.2 kilometers (2 miles), the lack of overlap is plotted in figures in this exhibit, and the output of the FM Over program is provided. For this application, there is one (1) facility for which additional detail is provided.

Table and Figure	Call Sign	Location	Channel, class and relationship
Table 3 Figures 7, 7A	WEXM-LP.CP	Yadkinville, North Carolina	268L1, co-channel

### Television Channel 6 Protection

There are no television channel 6 stations requiring protection. This application proposes a channel which is not subject to television channel 6 separation requirements.

Table 1: Allocations

Allocation Study Eastern Airwaves, Llc													
REFERENCE		CH# 268D - 101.5 MHz, Pwr= 0.25 kw DA, HAAT= 119.3 M, COR= 366 M								DISPLAY DATES			
36 06 59.0 N.		Average Protected F(50-50)= 14.0 km								DATA 10-28-14			
80 21 26.0 W.		Standard Directional								SEARCH 10-28-14			
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)		
268C Raleigh	WRAL	LIC	C NC	106.1 287.1	171.55 BMLH20040903ABQ	35 40 35.0 78 32 08.0	100.000 555	194.6 646	89.9 wral-fm, Inc.	-36.6*	35.4		
271C0 Reidsville	WJMH	LIC	C NC	64.5 244.8	41.44 BMLH20010731ACA	36 16 33.0 79 56 26.0	100.000 367	10.9 600	75.9 Entercom License, Llc	17.7	-35.6*		
267D Winston-salem	W267AM	LIC	DC NC	0.0 0.0	0.00 BLFT20140114AAZ	36 06 59.0 80 21 26.0	0.250 119	4.6 366	3.2 Eastern Airwaves, Llc	-17.4*	-22.2*		
268C Johnson City	WQUT	LIC	CY TN	276.0 94.9	179.06 BMLH19980904KD	36 16 07.0 82 20 21.0	100.000 457	182.4 1069	78.8 Radio License Holding Cbc,	-17.4*	51.3		
268L1 Yadkinville	WEXM-LP	CP	NC	269.8 89.6	31.29 BMJPL20131114BAP	36 06 54.4 80 42 17.5	0.100 15	292	Mt. Airy Community Radio I	-5.9	0.6		
266C0 Burlington	WYMY	LIC	CX NC	103.3 283.9	84.87 BMLH20140908AEE	35 56 15.0 79 26 30.0	100.000 359	10.8 551	75.7 Carolina Radio Group, Inc.	60.6	7.9		
265A Elkin	WIFM-FM	LIC	NCX NC	281.9 101.6	44.09 BLH20020619AAF	36 11 50.0 80 50 13.0	0.470 216	1.5 540	22.8 Yadkin Valley Broadcasting	28.3	20.4		
268D Mooresville	W268BU	CP	C NC	218.6 38.3	76.67 BMPFT20140417ABT	35 34 34.0 80 53 11.0	0.013	20.6 360	6.2 Columbia Bible College Bro	41.3	21.0		
267D Salisbury	W267AG	LIC	CN NC	191.6 11.5	50.84 BLFT19951102TX	35 40 03.0 80 28 13.0	0.038 58	9.3 279	6.5 Triad Family Network, Inco	26.4	21.4		
Translator for WBFJ(FM), Winston-Salem, NC													
269L1 Greensboro	WDFC-LP	CP	NC	92.6 273.0	48.53 BMPL20140611ACR	36 05 42.6 79 49 07.9	0.010 91	335	Cumc Radio, Llc	28.7	24.8		
267L1 Mt. Airy	WEXM-LP	LIC	NC	330.9 150.7	55.89 BLL20040922AAL	36 33 20.0 80 39 44.0	0.100	411	Mt. Airy Community Radio I	28.5	25.3		
268L1 Albemarle	WABZ-LP	CP	NC	170.4 350.5	86.32 BNPL20131115AOW	35 20 57.2 80 11 52.7	0.100 18	169	valley view Radio	52.7	30.7		
215A Greensboro	WQFS	LIC	CN NC	93.2 273.5	42.21 BLED19811228AG	36 05 39.0 79 53 21.0	1.900 61	33.7 314	105.0 Guilford College	9.5R	32.7M		
267D Wilkesboro	W267AN	LIC	C NC	290.6 110.1	83.24 BLFT20030408AAO	36 22 36.0 81 13 33.0	0.010 399	22.2 1136	14.1 Triad Family Network, Inc.	46.5	47.2		
268A Vinton	WVMP	LIC	CX VA	17.4 197.7	145.34 BLH20120402ANU	37 21 54.0 79 51 57.0	0.650 216	82.1 630	29.1 Cityworks Community Broadc	49.8	70.4		
267L1 Charlotte	1591417	APP	NC	200.3 20.1	79.96 BNPL20131114BCC	35 26 25.0 80 39 49.0	0.100 28	239	Monte Calvario Foundation,	56.9	51.6		
270C0 Gastonia	WBAV-FM	LIC	CY NC	220.5 39.9	128.61 BLH19880129KD	35 13 57.0 81 16 35.0	100.000 301	10.5 552	74.2 Cbs Radio Stations Inc.	103.3	53.3		

Terrain database is FCC NGDC 30 Sec,

R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

In & out distances between contours are shown at closest points. Reference Zone= East Zone, Co to 3rd adj.

All separation margins (if shown) include rounding

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.

< = Station meets FCC minimum distance spacing for its class.

Reference station has protected zone issue:

**Table 2: Facilities Protected by U/D Method**

Facility	WJMH Reidsville, North Carolina
Relationship	271C0, third adjacent
Distance (km)	41.44
Bearing (degrees)	64.5
ERP (kW, on azimuth)	100.0
HAAT (m, on azimuth)	348.0
Ratio	40
Signal Strength (dBu)	75.8
Translator Signal Strength	115.8
Translator distance (km)	.181

**Undesired to Desired Method under §74.1204(d)**

Protection to some facilities is provided through the use of Undesired to Desired Signal Strength Ratio (U/D) calculations. Table 2 lists the parameters studied. The proposed antenna is a SWR FMEC/3-DA three level antenna, with the elements spaced three one wavelength vertically. The elevation pattern is shown in Figure 2. The elevation of the 115.8 dBu contour is shown in Figure 3. The horizontal plane pattern is shown in Figure 4.

The WJMH field strength calculated at ground level at the proposed W267AM site is 75.8 dBu, using the FM Curves calculator on the FCC web site. For the translator interference contour, free space calculations are used. The corresponding 115.8 dBu field strength distance is .181kilometers in the horizontal plane. The proposed antenna location is 116 meters above ground. As Figure 3 shows, the 115.8 dBu signal level does not reach ground level.

Figure 5 is a topographic map of the transmitter site, showing that the site is on a mountain ridge. Figure 6 is an aerial photograph of the site, showing the absence of any structures in the area of interest. Figures 5 and 6 have 181 meter lines plotted. As shown, most of the area within 181 meters of the tower is in the tower field. There is no population

within the predicted interference area and therefore this facility is permitted under §74.1204(d).

The applicant recognizes that the U/D method is only a tool for predicting likely interference. Should any actual interference be experienced, the applicant will cooperate fully in correcting the interference. Corrective steps may require changes in the transmitting antenna or other steps which would require Commission authorization, may require that the translator cease operation except for brief equipment tests, or may require filtering at the receivers which report interference.

#### Source of Data

Transmitter location, effective radiated power, directional antenna pattern, and elevation data are extracted from the Commission's CDBS. All contours for existing and proposed facilities are calculated using height above average terrain calculated at one degree horizontal increments.

The contours were evaluated using terrain extracted from the NGDC 30 arcsecond terrain database, formatted by V-Soft Communications to match the database in use at the Commission..

All population data is from 2010 U.S. Census PL data files. Population is counted by considering the location of the centroid of each census block. The data for each block is counted if it falls within the area being counted.



**Table 3: FM Over Output for Protection of WEXM-LP.CP**

10-28-2014 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

WEXM-LP BMJPL20131114BAP

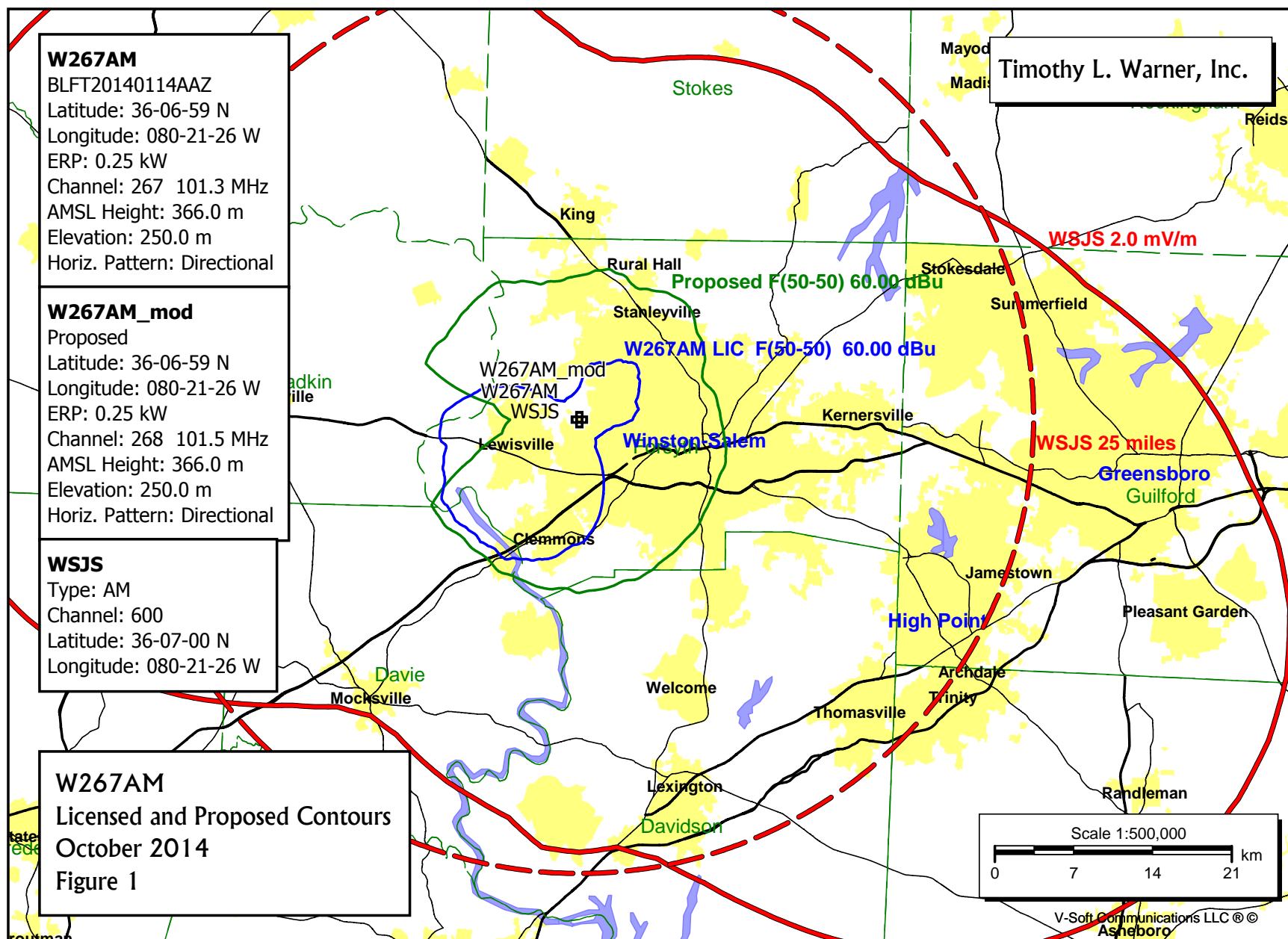
W267AM

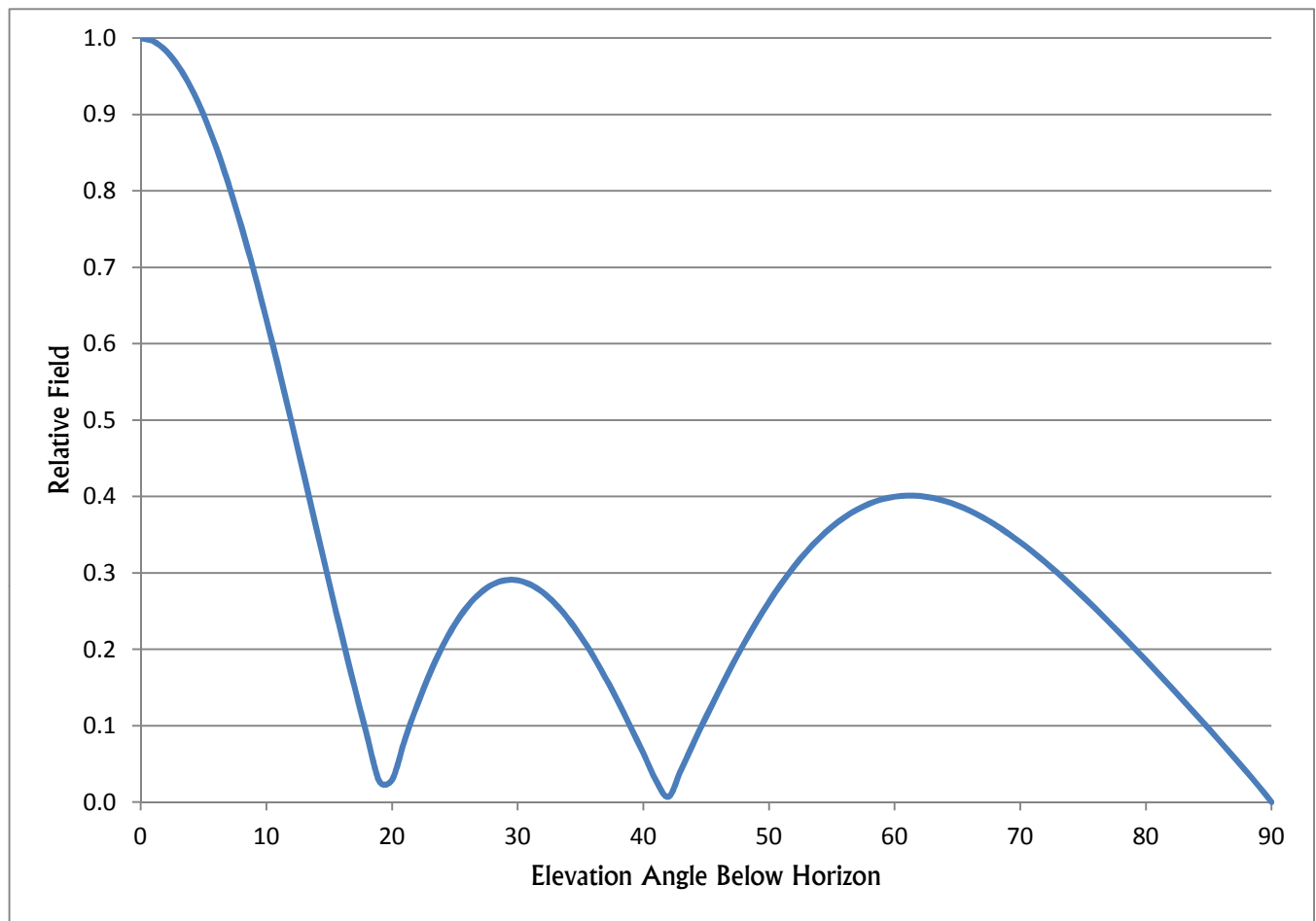
Channel = 268L1  
 Max ERP = 0.1 kw  
 RCAMSL = 292 M  
 N. Lat. 36 06 54.4  
 W. Lng. 80 42 17.5  
 Protected  
 60 dBu

Channel = 268D  
 Max ERP = 0.25 kw  
 RCAMSL = 366 M  
 N. Lat. 36 06 59.0  
 W. Lng. 80 21 26.0  
 Interfering  
 40 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
030.0	000.1000	0012.6	005.6	279.6	000.0177	0131.8	028.9	37.96	
031.0	000.1000	0011.7	005.6	279.5	000.0176	0131.9	028.8	38.00	
032.0	000.1000	0011.1	005.6	279.4	000.0175	0132.0	028.7	38.03	
033.0	000.1000	0010.7	005.6	279.3	000.0174	0132.1	028.6	38.06	
034.0	000.1000	0010.1	005.6	279.3	000.0172	0132.2	028.5	38.09	
035.0	000.1000	0009.5	005.6	279.2	000.0171	0132.3	028.4	38.12	
036.0	000.1000	0009.0	005.6	279.1	000.0170	0132.4	028.3	38.15	
037.0	000.1000	0008.7	005.6	279.0	000.0168	0132.5	028.2	38.18	
038.0	000.1000	0008.3	005.6	278.9	000.0167	0132.7	028.1	38.20	
039.0	000.1000	0007.8	005.6	278.8	000.0166	0132.8	028.1	38.23	
040.0	000.1000	0007.9	005.6	278.7	000.0164	0132.9	028.0	38.25	
041.0	000.1000	0009.0	005.6	278.6	000.0162	0133.1	027.9	38.27	
042.0	000.1000	0010.6	005.6	278.5	000.0161	0133.2	027.8	38.29	
043.0	000.1000	0012.2	005.6	278.4	000.0159	0133.4	027.7	38.31	
044.0	000.1000	0013.6	005.6	278.2	000.0157	0133.6	027.6	38.32	
045.0	000.1000	0014.9	005.6	278.1	000.0156	0133.7	027.6	38.34	
046.0	000.1000	0016.1	005.6	278.0	000.0154	0133.9	027.5	38.35	
047.0	000.1000	0017.3	005.6	277.9	000.0152	0134.1	027.4	38.36	
048.0	000.1000	0018.7	005.6	277.7	000.0150	0134.3	027.3	38.37	
049.0	000.1000	0019.9	005.6	277.6	000.0148	0134.5	027.3	38.38	
050.0	000.1000	0021.3	005.6	277.5	000.0146	0134.8	027.2	38.38	
051.0	000.1000	0022.8	005.6	277.3	000.0144	0135.0	027.1	38.39	
052.0	000.1000	0024.4	005.6	277.2	000.0143	0135.4	027.0	38.40	
053.0	000.1000	0025.9	005.6	277.0	000.0140	0135.7	027.0	38.40	
054.0	000.1000	0027.3	005.6	276.9	000.0138	0136.1	026.9	38.41	
055.0	000.1000	0028.8	005.6	276.7	000.0136	0136.5	026.8	38.41	
056.0	000.1000	0030.2	005.7	276.6	000.0134	0136.9	026.8	38.43	
057.0	000.1000	0031.2	005.7	276.5	000.0134	0137.0	026.6	38.50	
058.0	000.1000	0031.6	005.8	276.4	000.0132	0137.3	026.5	38.53	
059.0	000.1000	0032.0	005.8	276.3	000.0130	0137.7	026.5	38.55	
060.0	000.1000	0032.8	005.9	276.2	000.0129	0137.9	026.3	38.61	
061.0	000.1000	0034.2	006.0	276.1	000.0129	0138.1	026.2	38.70	
062.0	000.1000	0035.6	006.1	276.1	000.0128	0138.2	026.0	38.79	
063.0	000.1000	0036.2	006.1	276.0	000.0126	0138.5	025.9	38.82	
064.0	000.1000	0036.3	006.1	275.8	000.0124	0139.0	025.9	38.81	
065.0	000.1000	0036.0	006.1	275.5	000.0121	0139.6	025.8	38.76	
066.0	000.1000	0035.3	006.1	275.3	000.0118	0140.2	025.8	38.69	
067.0	000.1000	0034.5	006.0	275.0	000.0114	0140.8	025.9	38.59	
068.0	000.1000	0033.9	006.0	274.7	000.0111	0141.3	025.8	38.51	
069.0	000.1000	0033.5	005.9	274.5	000.0108	0141.9	025.8	38.44	
070.0	000.1000	0033.3	005.9	274.3	000.0106	0142.3	025.8	38.39	
071.0	000.1000	0033.9	005.9	274.1	000.0104	0142.7	025.7	38.38	
072.0	000.1000	0035.2	006.1	274.0	000.0102	0142.9	025.6	38.44	
073.0	000.1000	0036.7	006.2	273.8	000.0101	0143.1	025.4	38.50	
074.0	000.1000	0038.0	006.3	273.7	000.0099	0143.3	025.3	38.54	
075.0	000.1000	0038.7	006.3	273.5	000.0097	0143.5	025.2	38.51	
076.0	000.1000	0038.9	006.4	273.3	000.0094	0143.5	025.1	38.43	
077.0	000.1000	0039.2	006.4	273.0	000.0092	0143.5	025.1	38.35	
078.0	000.1000	0039.8	006.4	272.8	000.0089	0143.5	025.0	38.29	
079.0	000.1000	0040.4	006.5	272.6	000.0087	0143.5	024.9	38.22	
080.0	000.1000	0041.3	006.6	272.4	000.0085	0143.5	024.9	38.17	
081.0	000.1000	0043.4	006.7	272.2	000.0083	0143.6	024.7	38.21	
082.0	000.1000	0045.9	006.9	272.0	000.0081	0143.6	024.4	38.26	
083.0	000.1000	0048.8	007.2	271.8	000.0079	0143.6	024.2	38.33	
084.0	000.1000	0051.4	007.4	271.6	000.0076	0143.6	024.0	38.36	
085.0	000.1000	0053.2	007.5	271.3	000.0074	0143.6	023.8	38.31	
086.0	000.1000	0055.1	007.6	271.0	000.0071	0143.6	023.7	38.27	
087.0	000.1000	0056.1	007.7	270.7	000.0068	0143.6	023.6	38.15	
088.0	000.1000	0057.0	007.8	270.4	000.0065	0143.6	023.5	38.01	

089.0	000.1000	0058.0	007.9	270.1	000.0062	0143.3	023.4	37.84
090.0	000.1000	0060.5	008.0	269.7	000.0063	0142.7	023.3	38.01
091.0	000.1000	0063.1	008.2	269.4	000.0066	0142.1	023.1	38.25
092.0	000.1000	0065.6	008.4	269.0	000.0068	0141.5	022.9	38.49
093.0	000.1000	0067.9	008.5	268.6	000.0071	0140.8	022.8	38.71
094.0	000.1000	0069.5	008.6	268.2	000.0073	0140.2	022.7	38.89
095.0	000.1000	0069.4	008.6	267.8	000.0076	0139.5	022.7	38.98
096.0	000.1000	0067.8	008.5	267.5	000.0078	0139.0	022.9	38.99
097.0	000.1000	0065.6	008.4	267.2	000.0080	0138.4	023.0	38.95
098.0	000.1000	0063.6	008.2	266.9	000.0083	0138.0	023.2	38.91
099.0	000.1000	0061.9	008.1	266.6	000.0085	0137.4	023.3	38.88
100.0	000.1000	0059.5	008.0	266.3	000.0086	0136.9	023.5	38.80
101.0	000.1000	0057.0	007.8	266.1	000.0088	0136.4	023.7	38.69
102.0	000.1000	0054.9	007.6	265.9	000.0090	0135.9	023.9	38.60
103.0	000.1000	0053.2	007.5	265.7	000.0091	0135.4	024.1	38.52
104.0	000.1000	0052.9	007.5	265.4	000.0093	0134.8	024.1	38.53
105.0	000.1000	0053.8	007.5	265.1	000.0096	0133.8	024.1	38.61
106.0	000.1000	0054.9	007.6	264.7	000.0099	0132.8	024.1	38.70
107.0	000.1000	0055.8	007.7	264.4	000.0102	0132.0	024.0	38.77
108.0	000.1000	0056.2	007.7	264.0	000.0104	0131.2	024.1	38.81
109.0	000.1000	0056.0	007.7	263.8	000.0106	0130.6	024.1	38.82
110.0	000.1000	0055.4	007.7	263.5	000.0108	0130.1	024.2	38.79
111.0	000.1000	0054.4	007.6	263.3	000.0110	0129.7	024.4	38.74
112.0	000.1000	0053.4	007.5	263.1	000.0112	0129.3	024.5	38.67
113.0	000.1000	0052.7	007.4	262.9	000.0113	0128.9	024.6	38.63
114.0	000.1000	0052.4	007.4	262.7	000.0115	0128.3	024.7	38.61
115.0	000.1000	0052.4	007.4	262.4	000.0117	0127.7	024.8	38.60
116.0	000.1000	0052.1	007.4	262.2	000.0119	0127.2	024.9	38.57
117.0	000.1000	0051.3	007.3	262.1	000.0121	0126.7	025.0	38.50
118.0	000.1000	0050.1	007.3	261.9	000.0122	0126.4	025.1	38.42
119.0	000.1000	0048.7	007.1	261.9	000.0122	0126.2	025.3	38.32
120.0	000.1000	0047.5	007.1	261.8	000.0123	0126.0	025.5	38.22
121.0	000.1000	0046.8	007.0	261.6	000.0124	0125.7	025.6	38.16
122.0	000.1000	0046.9	007.0	261.4	000.0126	0125.2	025.6	38.14
123.0	000.1000	0047.5	007.0	261.1	000.0129	0124.5	025.7	38.15
124.0	000.1000	0048.1	007.1	260.9	000.0131	0124.0	025.7	38.16
125.0	000.1000	0048.2	007.1	260.7	000.0133	0123.5	025.8	38.14
126.0	000.1000	0048.0	007.1	260.5	000.0135	0123.2	025.9	38.10
127.0	000.1000	0047.6	007.1	260.4	000.0136	0123.0	026.0	38.05
128.0	000.1000	0047.2	007.0	260.2	000.0137	0122.8	026.1	38.00
129.0	000.1000	0046.9	007.0	260.1	000.0138	0122.6	026.3	37.96
130.0	000.1000	0046.8	007.0	259.9	000.0141	0122.4	026.4	37.96
131.0	000.1000	0046.7	007.0	259.8	000.0146	0122.1	026.4	38.03
132.0	000.1000	0047.0	007.0	259.6	000.0153	0121.8	026.5	38.14
133.0	000.1000	0047.7	007.1	259.3	000.0161	0121.4	026.6	38.31
134.0	000.1000	0048.8	007.2	259.0	000.0172	0120.9	026.6	38.52
135.0	000.1000	0049.9	007.2	258.7	000.0182	0120.4	026.7	38.71
136.0	000.1000	0050.5	007.3	258.5	000.0191	0120.2	026.8	38.83
137.0	000.1000	0050.9	007.3	258.3	000.0198	0120.0	026.9	38.92
138.0	000.1000	0051.4	007.4	258.1	000.0205	0119.9	027.0	39.01
139.0	000.1000	0052.0	007.4	257.8	000.0213	0119.7	027.1	39.11
140.0	000.1000	0052.6	007.4	257.6	000.0222	0119.6	027.1	39.21
141.0	000.1000	0053.3	007.5	257.4	000.0230	0119.5	027.2	39.30
142.0	000.1000	0054.0	007.6	257.2	000.0239	0119.4	027.3	39.41
143.0	000.1000	0054.7	007.6	257.0	000.0248	0119.3	027.4	39.49
144.0	000.1000	0055.1	007.6	256.8	000.0255	0119.3	027.5	39.54
145.0	000.1000	0055.3	007.6	256.7	000.0260	0119.3	027.7	39.56
146.0	000.1000	0055.5	007.7	256.5	000.0266	0119.3	027.8	39.57
147.0	000.1000	0055.8	007.7	256.4	000.0272	0119.4	027.9	39.59
148.0	000.1000	0055.9	007.7	256.3	000.0276	0119.4	028.0	39.59
149.0	000.1000	0055.7	007.7	256.2	000.0279	0119.4	028.2	39.54





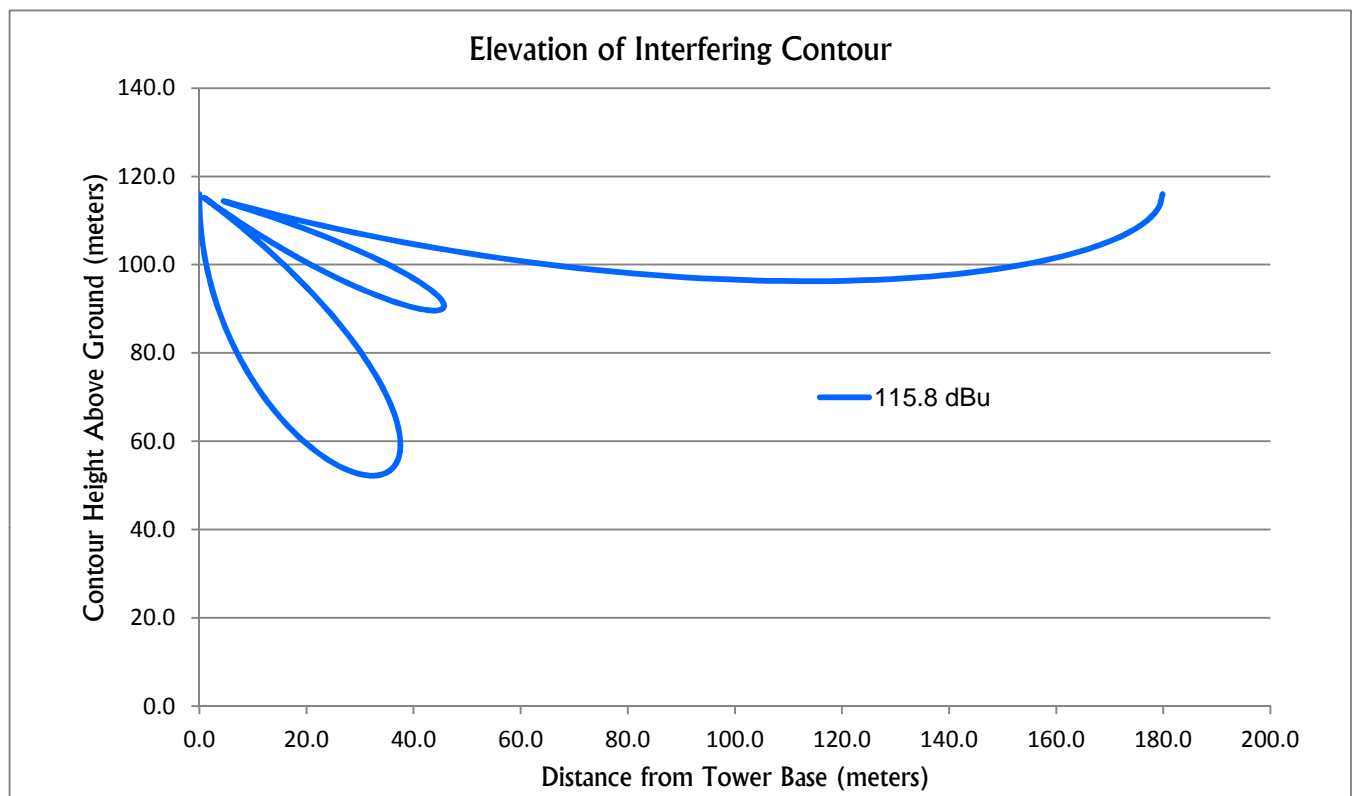
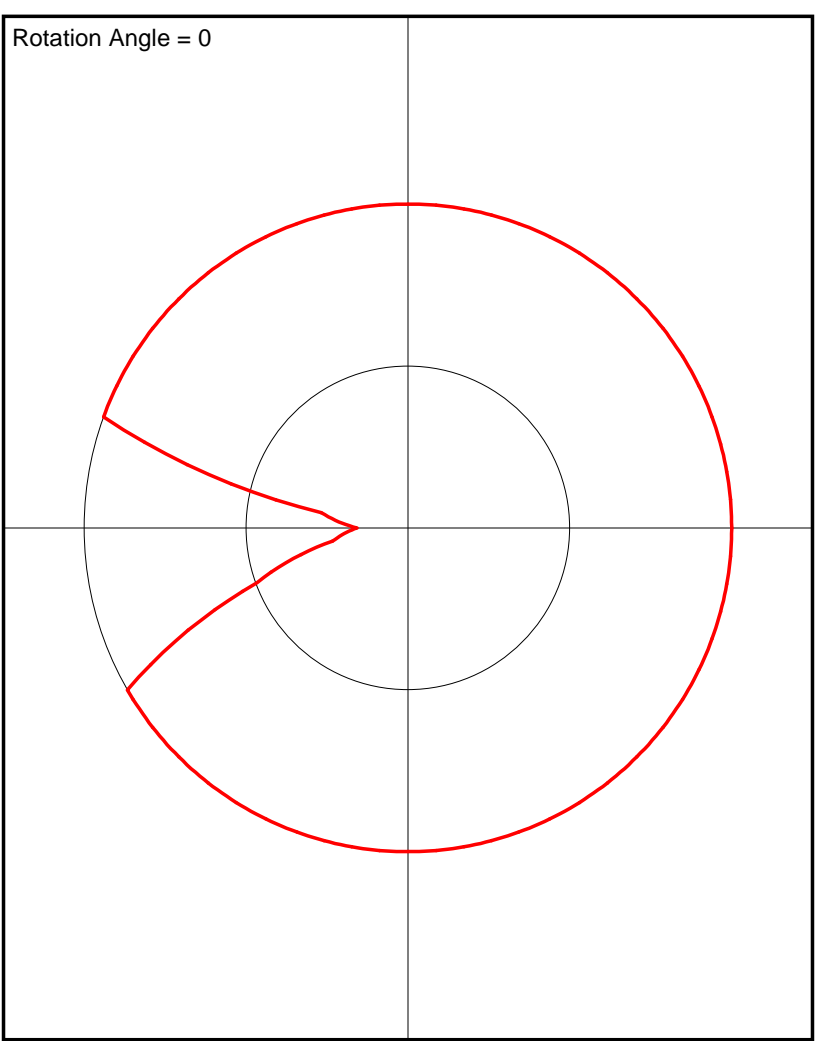


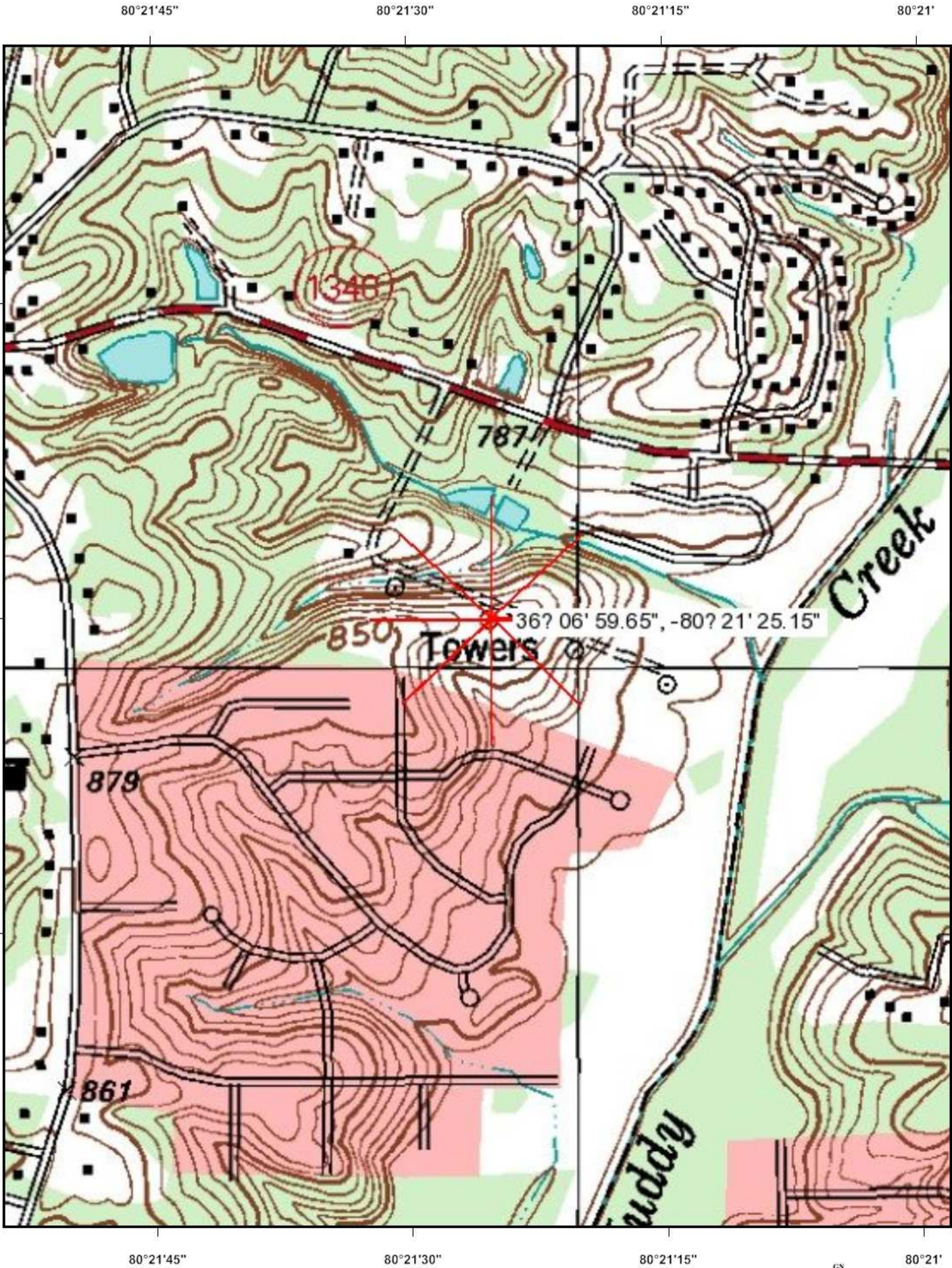
Figure 4: W267AM Proposed Antenna Pattern  
Pre-Rotation Antenna Pattern....

Azimuth (deg)	Relative Field
0.0	1.0
10.0	1.0
20.0	1.0
30.0	1.0
40.0	1.0
50.0	1.0
60.0	1.0
70.0	1.0
80.0	1.0
90.0	1.0
100.0	1.0
110.0	1.0
120.0	1.0
130.0	1.0
140.0	1.0
150.0	1.0
160.0	1.0
170.0	1.0
180.0	1.0
190.0	1.0
200.0	1.0
210.0	1.0
220.0	1.0
230.0	1.0
240.0	1.0
250.0	0.496
260.0	0.236
270.0	0.157
280.0	0.271
290.0	1.0
300.0	1.0
310.0	1.0
320.0	1.0
330.0	1.0
340.0	1.0
350.0	1.0

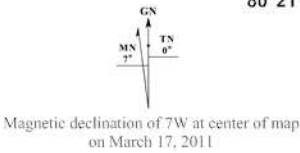
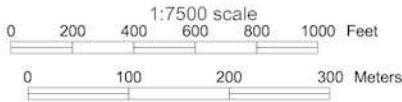
Rotation Angle = 0



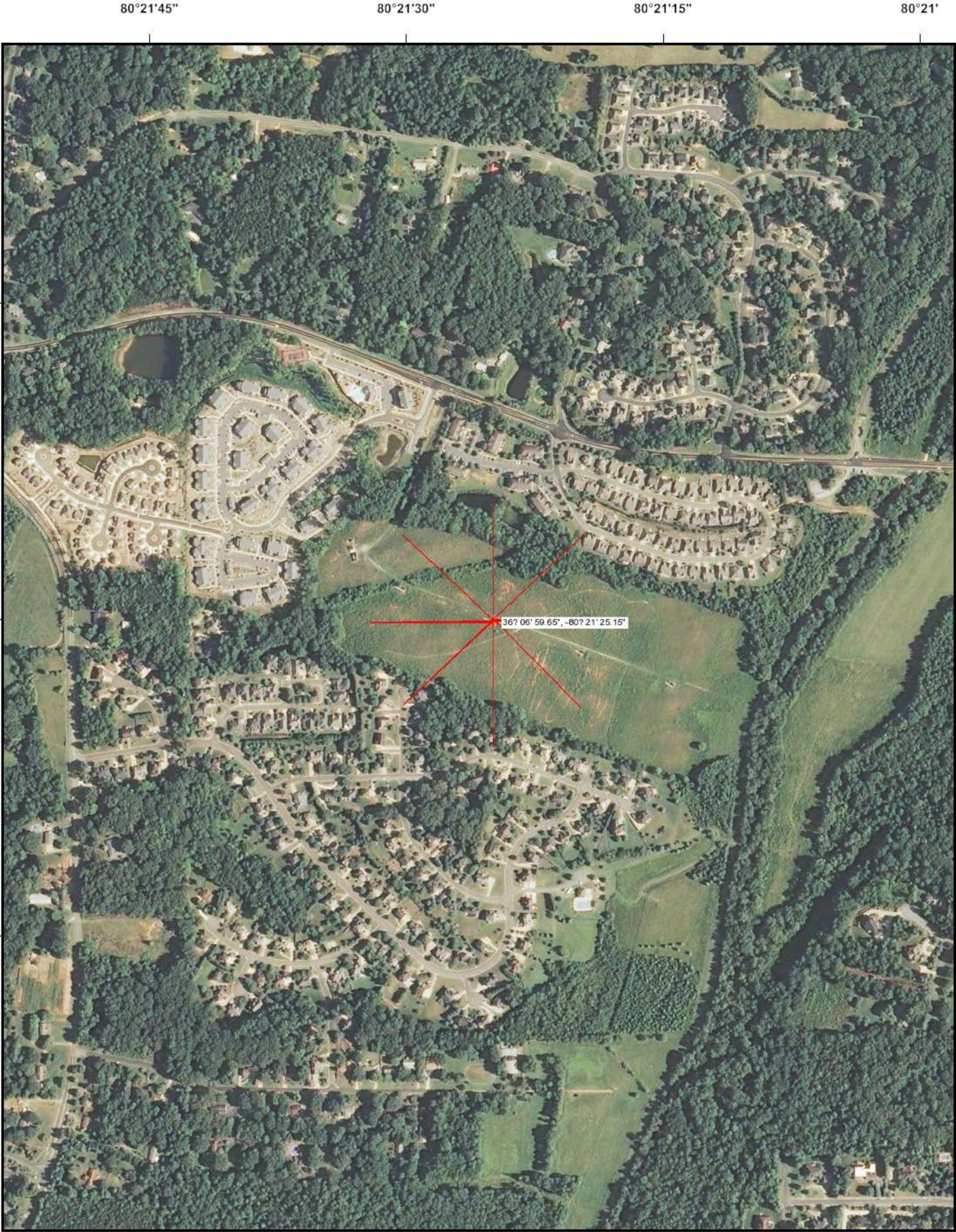




Universal Transverse Mercator (UTM) Projection Zone 17  
North American Datum of 1983







Universal Transverse Mercator (UTM) Projection Zone 17  
North American Datum of 1983

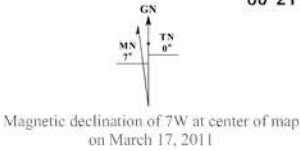
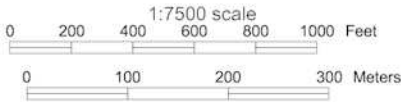




Figure 7: Allocation Study: WEXM-LP.CP  
Eastern Airwaves, Llc

FMCommander Single Allocation Study - 10-28-2014 - FCC NGDC 30 Sec  
W267AM's Overlaps (In= -5.87 km, Out= 0.64 km)

W267AM CH 268 D DA  
Lat= 36 06 59.0, Lng= 80 21 26.0  
0.25 kW 119.3 M HAAT, 366 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

WEXM-LP CH 268 L1 BMJPL20131114BAP  
Lat= 36 06 54.4, Lng= 80 42 17.5  
0.1 kW 14.94882 M HAAT, 292 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

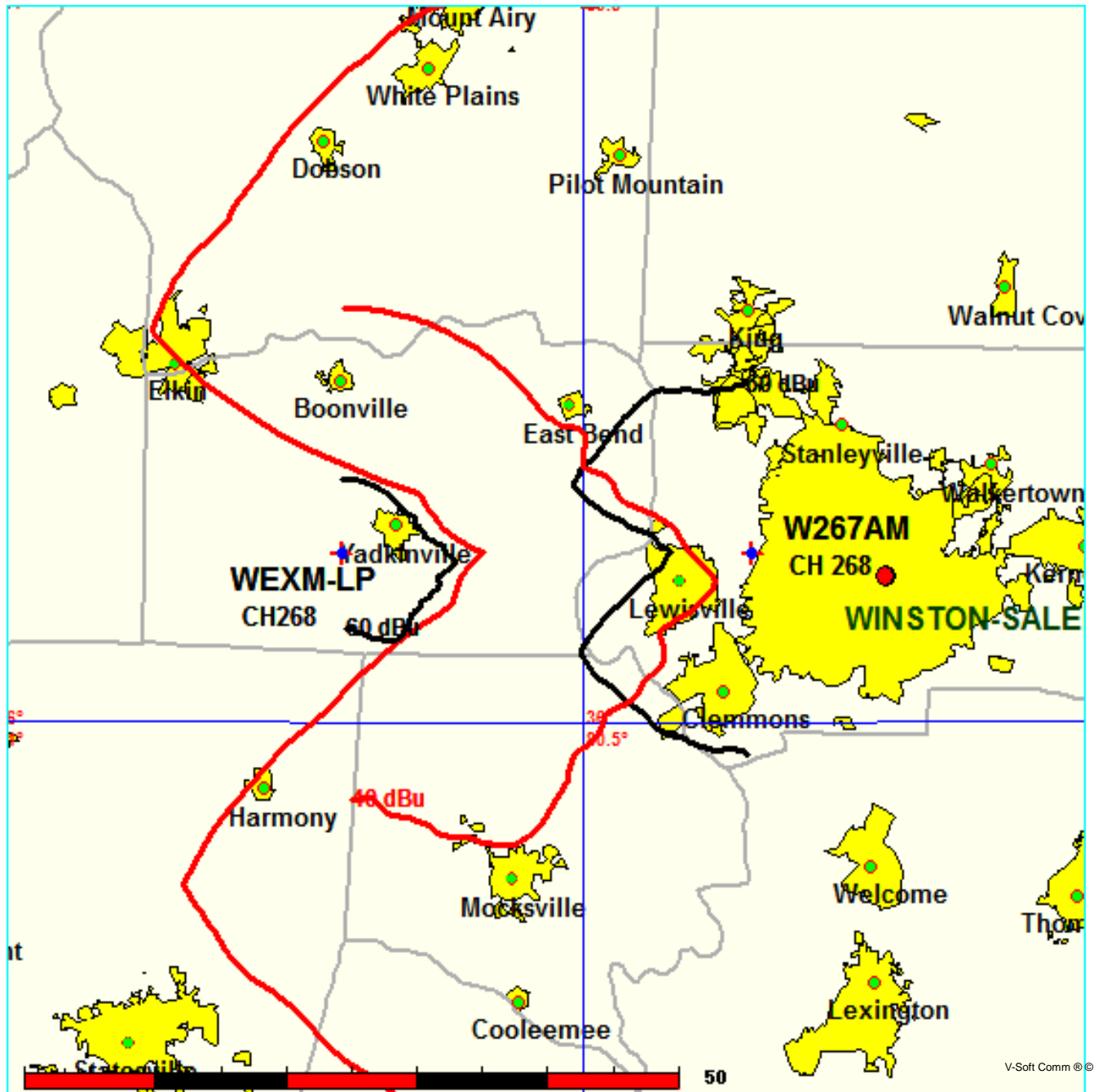


Figure 7A: Allocation Study: WEXM-LP.CP Detail  
Eastern Airwaves, Llc

FMCommander Single Allocation Study - 10-28-2014 - FCC NGDC 30 Sec  
W267AM's Overlaps (In= -5.87 km, Out= 0.64 km)

W267AM CH 268 D DA  
Lat= 36 06 59.0, Lng= 80 21 26.0  
0.25 kW 119.3 M HAAT, 366 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

WEXM-LP CH 268 L1 BMJPL20131114BAP  
Lat= 36 06 54.4, Lng= 80 42 17.5  
0.1 kW 14.94882 M HAAT, 292 M COR  
Prot.= 60 dBu, Intef.= 40 dBu

