

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

Exhibit 13  
Interference Analysis

August 2015

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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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14 August 2015

### 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 a different tower, and a reduction in height.

### 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 8, 8A	WEXM-LP.CP	Yadkinville, North Carolina	268L1, co-channel

Table 1: Allocations

Allocation Study Eastern Airwaves, LLC												
CH# 268D - 101.5 MHz, Pwr= 0.25 kW DA, HAAT= 108.4 M, COR= 355 M DISPLAY DATES												
36 06 58.0 N. Average Protected F(50-50)= 13.4 km DATA 08-14-15												
80 21 21.0 W. Standard Directional SEARCH 08-14-15												
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)	
268D Winston-Salem	W267AM!	CP	DC NC	283.9 103.9	0.12 BPFT20141118AHT	36 06 59.0 80 21 26.0	0.250	45.6 366	13.3 Eastern Airwaves, LLC	-56.0	-48.8	Authorization being modified.
268C Raleigh	WRAL	LIC	C NC	106.1 287.1	171.43 BMLH20040903ABQ	35 40 35.0 78 32 08.0	100.000 555	194.6 646	89.9 Wral-fm, Inc.	-36.0*	37.4	
271C0 Reidsville	WJMH	LIC	C NC	64.4 244.6	41.34 BMLH20010731ACA	36 16 33.0 79 56 26.0	100.000 367	10.9 600	75.9 Entercom License, LLC	18.3	-35.7*	Protected by U/D studies, see text and figures.
267D Winston-Salem	W267AM!	LIC	DC NC	283.9 103.9	0.12 BLFT20140114AAZ	36 06 59.0 80 21 26.0	0.250 119	4.5 366	3.1 Eastern Airwaves, LLC	-14.9	-17.7	Licensed facility being modified.
268C Johnson City	WQUT	LIC	CY TN	276.0 94.9	179.19 BMLH19980904KD	36 16 07.0 82 20 21.0	100.000 457	182.4 1069	78.8 Radio License Holding Cbc,	-16.6*	53.0	
268L1 Yadkinville	WEXM-LP	CP	NC	269.9 89.7	31.42 BMJPL20131114BAP	36 06 54.4 80 42 17.5	0.100 15	292	Mt. Airy Community Radio I	-5.4	2.1	
266C0 Burlington	WYMY	LIC	CX NC	103.3 283.9	84.74 BMLH20140908AEE	35 56 15.0 79 26 30.0	100.000 359	10.8 551	75.7 Carolina Radio Group, Inc.	61.1	7.8	
265A Elkin	WIFM-FM	LIC	NCX NC	281.9 101.7	44.21 BLH20020619AAF	36 11 50.0 80 50 13.0	0.470 216	1.5 540	22.8 Yadkin Valley Broadcasting	29.0	20.5	
267D Salisbury	W267AG	LIC	CN NC	191.7 11.6	50.83 BLFT19951102TX	35 40 03.0 80 28 13.0	0.038 58	9.3 279	6.5 Triad Family Network, Inco	27.0	22.4	
269L1 Greensboro	WDFC-LP	LIC	NC	92.6 272.9	48.40 BLL20150309AAL	36 05 42.6 79 49 07.9	0.010 91	335	Cumc Radio, LLC	29.2	25.9	
267L1 Mt. Airy	WEXM-LP	LIC	NC	330.8 150.6	55.98 BLL20040922AAL	36 33 20.0 80 39 44.0	0.100	411	Mt. Airy Community Radio I	29.3	26.5	
268D Mooresville	W268BU	CP	DC NC	210.6 30.3	86.05 BMPFT20150316ABR	35 26 53.5 80 50 22.7	0.090	35.3 365	10.5 Educational Media Foundati	36.2	27.1	
268L1 Albemarle	WABZ-LP	CP	NC	170.5 350.6	86.27 BNPL20131115AOW	35 20 57.2 80 11 52.7	0.100 18	169	valley view Radio	53.3	32.1	
215A Greensboro	WQFS	LIC	CN NC	93.2 273.5	42.09 BLED19811228AG	36 05 39.0 79 53 21.0	1.900 61	54.3 314	17.0 Guilford College	9.5R	32.6M	
267D Wilkesboro	W267AN	LIC	C NC	290.6 110.1	83.37 BLFT20030408AAO	36 22 36.0 81 13 33.0	0.010 399	22.2 1136	14.1 Triad Family Network, Inc.	47.3	48.3	
268A Vinton	WVMP	LIC	CX VA	17.3 197.6	145.33 BLH20120402ANU	37 21 54.0 79 51 57.0	0.650 216	82.0 630	29.1 Community Media Group, LLC	50.5	72.8	

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. Call signs with exclamation marks need not be protected.

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 restricted contour.

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

Reference station has protected zone issue: AM tower WSJS

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

Facility	WJMH Reidsville, North Carolina
Relationship	271C0, third adjacent
Distance (km)	41.34
Bearing (degrees)	64.4
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)	.180

**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 .180kilometers 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. The lowest elevation is 52 meters (170 feet) above ground.

Figure 5 is a topographic map of the transmitter site, showing that the site is on a rolling terrain. Figure 6 is an aerial photograph of the site, showing the absence of any structures in the area of interest. Figure 7 is an aerial photograph with a 180 meter radius line plotted. Although the antenna is directional, a circular plot is shown. As shown, most of the

area within 180 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**

08-14-2015 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

WEXM-LP BMJPL20131114BAP

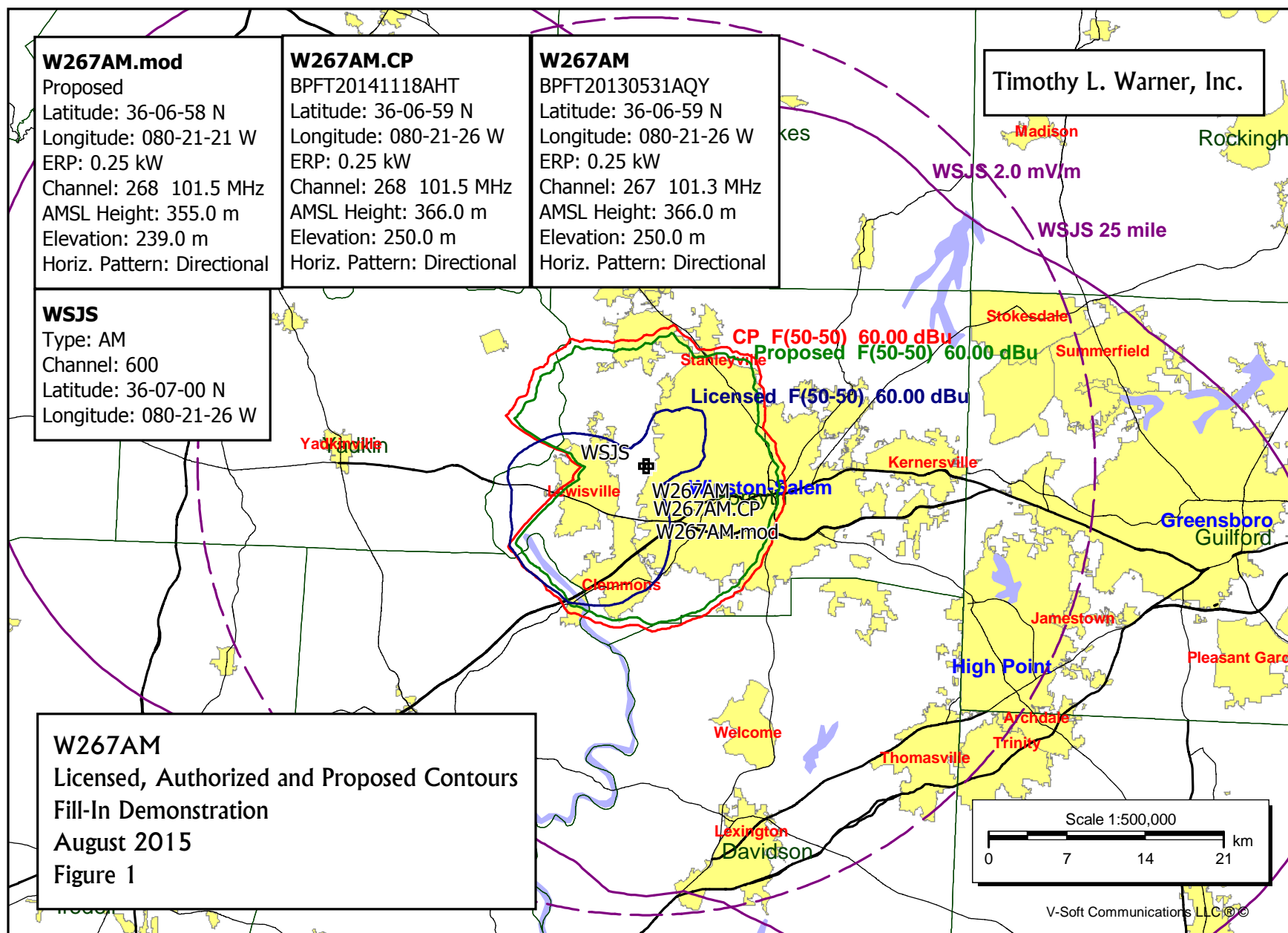
W267AM.C

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 = 355 M  
 N. Lat. 36 06 58.0  
 W. Lng. 80 21 21.0  
 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	000.0178	0120.9	029.0	37.18	
031.0	000.1000	0011.7	005.6	279.5	000.0176	0121.0	028.9	37.22	
032.0	000.1000	0011.1	005.6	279.4	000.0175	0121.1	028.8	37.25	
033.0	000.1000	0010.7	005.6	279.4	000.0174	0121.2	028.7	37.29	
034.0	000.1000	0010.1	005.6	279.3	000.0173	0121.3	028.6	37.32	
035.0	000.1000	0009.5	005.6	279.2	000.0172	0121.4	028.5	37.35	
036.0	000.1000	0009.0	005.6	279.1	000.0171	0121.5	028.4	37.38	
037.0	000.1000	0008.7	005.6	279.0	000.0169	0121.7	028.4	37.41	
038.0	000.1000	0008.3	005.6	278.9	000.0168	0121.8	028.3	37.43	
039.0	000.1000	0007.8	005.6	278.8	000.0166	0121.9	028.2	37.45	
040.0	000.1000	0007.9	005.6	278.7	000.0165	0122.0	028.1	37.47	
041.0	000.1000	0009.0	005.6	278.6	000.0163	0122.2	028.0	37.49	
042.0	000.1000	0010.6	005.6	278.5	000.0161	0122.3	027.9	37.51	
043.0	000.1000	0012.2	005.6	278.4	000.0160	0122.5	027.9	37.52	
044.0	000.1000	0013.6	005.6	278.3	000.0158	0122.7	027.8	37.54	
045.0	000.1000	0014.9	005.6	278.1	000.0156	0122.8	027.7	37.55	
046.0	000.1000	0016.1	005.6	278.0	000.0154	0123.0	027.6	37.56	
047.0	000.1000	0017.3	005.6	277.9	000.0152	0123.2	027.5	37.57	
048.0	000.1000	0018.7	005.6	277.8	000.0151	0123.4	027.5	37.58	
049.0	000.1000	0019.9	005.6	277.6	000.0149	0123.6	027.4	37.58	
050.0	000.1000	0021.3	005.6	277.5	000.0147	0123.8	027.3	37.59	
051.0	000.1000	0022.8	005.6	277.3	000.0145	0124.1	027.2	37.60	
052.0	000.1000	0024.4	005.6	277.2	000.0143	0124.4	027.2	37.61	
053.0	000.1000	0025.9	005.6	277.1	000.0141	0124.8	027.1	37.62	
054.0	000.1000	0027.3	005.6	276.9	000.0139	0125.2	027.0	37.62	
055.0	000.1000	0028.8	005.6	276.7	000.0137	0125.6	027.0	37.63	
056.0	000.1000	0030.2	005.7	276.6	000.0135	0126.0	026.9	37.64	
057.0	000.1000	0031.2	005.7	276.6	000.0134	0126.1	026.8	37.71	
058.0	000.1000	0031.6	005.8	276.4	000.0133	0126.4	026.7	37.73	
059.0	000.1000	0032.0	005.8	276.3	000.0131	0126.8	026.6	37.75	
060.0	000.1000	0032.8	005.9	276.2	000.0130	0127.0	026.5	37.81	
061.0	000.1000	0034.2	006.0	276.2	000.0129	0127.1	026.3	37.89	
062.0	000.1000	0035.6	006.1	276.1	000.0128	0127.2	026.2	37.98	
063.0	000.1000	0036.2	006.1	276.0	000.0126	0127.6	026.1	38.01	
064.0	000.1000	0036.3	006.1	275.8	000.0124	0128.0	026.0	38.00	
065.0	000.1000	0036.0	006.1	275.6	000.0121	0128.6	026.0	37.96	
066.0	000.1000	0035.3	006.1	275.3	000.0118	0129.1	026.0	37.88	
067.0	000.1000	0034.5	006.0	275.0	000.0115	0129.7	026.0	37.80	
068.0	000.1000	0033.9	006.0	274.8	000.0112	0130.2	026.0	37.72	
069.0	000.1000	0033.5	005.9	274.5	000.0109	0130.7	026.0	37.65	
070.0	000.1000	0033.3	005.9	274.3	000.0107	0131.2	025.9	37.60	
071.0	000.1000	0033.9	005.9	274.1	000.0105	0131.5	025.8	37.60	
072.0	000.1000	0035.2	006.1	274.0	000.0103	0131.7	025.7	37.65	
073.0	000.1000	0036.7	006.2	273.9	000.0102	0131.9	025.6	37.71	
074.0	000.1000	0038.0	006.3	273.7	000.0100	0132.1	025.4	37.75	
075.0	000.1000	0038.7	006.3	273.6	000.0098	0132.2	025.3	37.72	
076.0	000.1000	0038.9	006.4	273.3	000.0095	0132.2	025.3	37.63	
077.0	000.1000	0039.2	006.4	273.1	000.0092	0132.3	025.2	37.54	
078.0	000.1000	0039.8	006.4	272.9	000.0090	0132.3	025.1	37.48	
079.0	000.1000	0040.4	006.5	272.7	000.0088	0132.3	025.1	37.42	
080.0	000.1000	0041.3	006.6	272.4	000.0085	0132.3	025.0	37.38	
081.0	000.1000	0043.4	006.7	272.3	000.0084	0132.3	024.8	37.42	
082.0	000.1000	0045.9	006.9	272.1	000.0082	0132.4	024.6	37.48	
083.0	000.1000	0048.8	007.2	271.9	000.0080	0132.4	024.3	37.55	
084.0	000.1000	0051.4	007.4	271.6	000.0077	0132.4	024.1	37.57	
085.0	000.1000	0053.2	007.5	271.4	000.0074	0132.4	024.0	37.52	
086.0	000.1000	0055.1	007.6	271.1	000.0071	0132.5	023.8	37.47	
087.0	000.1000	0056.1	007.7	270.8	000.0069	0132.5	023.7	37.35	
088.0	000.1000	0057.0	007.8	270.5	000.0066	0132.4	023.6	37.21	

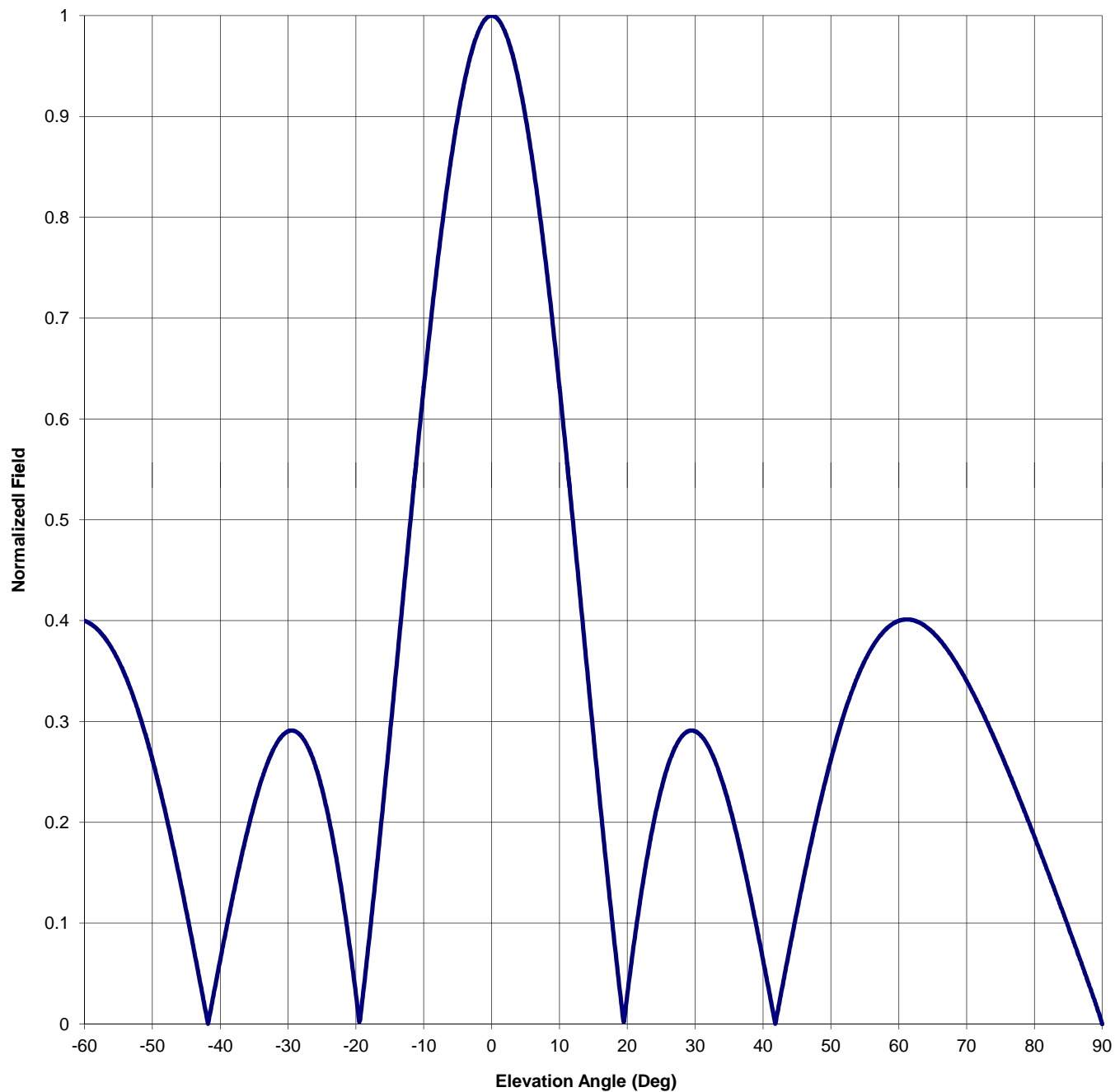
089.0	000.1000	0058.0	007.9	270.1	000.0063	0131.9	023.6	37.04
090.0	000.1000	0060.5	008.0	269.8	000.0063	0131.3	023.4	37.13
091.0	000.1000	0063.1	008.2	269.4	000.0065	0130.7	023.2	37.37
092.0	000.1000	0065.6	008.4	269.1	000.0068	0130.0	023.1	37.60
093.0	000.1000	0067.9	008.5	268.7	000.0070	0129.3	022.9	37.83
094.0	000.1000	0069.5	008.6	268.3	000.0073	0128.6	022.8	38.01
095.0	000.1000	0069.4	008.6	267.9	000.0076	0128.0	022.9	38.10
096.0	000.1000	0067.8	008.5	267.6	000.0078	0127.4	023.0	38.10
097.0	000.1000	0065.6	008.4	267.3	000.0080	0126.8	023.1	38.06
098.0	000.1000	0063.6	008.2	267.0	000.0082	0126.3	023.3	38.02
099.0	000.1000	0061.9	008.1	266.7	000.0084	0125.7	023.4	37.99
100.0	000.1000	0059.5	008.0	266.4	000.0086	0125.2	023.6	37.91
101.0	000.1000	0057.0	007.8	266.2	000.0088	0124.7	023.8	37.81
102.0	000.1000	0054.9	007.6	266.0	000.0089	0124.2	024.0	37.72
103.0	000.1000	0053.2	007.5	265.8	000.0091	0123.7	024.2	37.64
104.0	000.1000	0052.9	007.5	265.5	000.0093	0123.0	024.2	37.65
105.0	000.1000	0053.8	007.5	265.2	000.0096	0122.1	024.2	37.73
106.0	000.1000	0054.9	007.6	264.8	000.0098	0121.1	024.2	37.81
107.0	000.1000	0055.8	007.7	264.5	000.0101	0120.3	024.2	37.87
108.0	000.1000	0056.2	007.7	264.1	000.0103	0119.6	024.2	37.90
109.0	000.1000	0056.0	007.7	263.9	000.0105	0118.9	024.3	37.90
110.0	000.1000	0055.4	007.7	263.6	000.0107	0118.4	024.4	37.87
111.0	000.1000	0054.4	007.6	263.4	000.0109	0118.0	024.5	37.82
112.0	000.1000	0053.4	007.5	263.2	000.0110	0117.6	024.6	37.75
113.0	000.1000	0052.7	007.4	263.0	000.0112	0117.2	024.7	37.70
114.0	000.1000	0052.4	007.4	262.8	000.0114	0116.6	024.8	37.68
115.0	000.1000	0052.4	007.4	262.6	000.0116	0116.0	024.9	37.67
116.0	000.1000	0052.1	007.4	262.3	000.0118	0115.4	025.0	37.63
117.0	000.1000	0051.3	007.3	262.2	000.0120	0115.0	025.1	37.57
118.0	000.1000	0050.1	007.3	262.1	000.0121	0114.7	025.3	37.48
119.0	000.1000	0048.7	007.1	262.0	000.0121	0114.5	025.4	37.38
120.0	000.1000	0047.5	007.1	261.9	000.0122	0114.3	025.6	37.28
121.0	000.1000	0046.8	007.0	261.7	000.0123	0114.0	025.7	37.22
122.0	000.1000	0046.9	007.0	261.5	000.0125	0113.5	025.8	37.20
123.0	000.1000	0047.5	007.0	261.3	000.0128	0112.8	025.8	37.21
124.0	000.1000	0048.1	007.1	261.0	000.0130	0112.3	025.9	37.21
125.0	000.1000	0048.2	007.1	260.8	000.0132	0111.9	025.9	37.19
126.0	000.1000	0048.0	007.1	260.6	000.0134	0111.6	026.0	37.15
127.0	000.1000	0047.6	007.1	260.5	000.0135	0111.4	026.2	37.10
128.0	000.1000	0047.2	007.0	260.3	000.0136	0111.2	026.3	37.05
129.0	000.1000	0046.9	007.0	260.2	000.0137	0111.0	026.4	37.00
130.0	000.1000	0046.8	007.0	260.0	000.0139	0110.8	026.5	36.96
131.0	000.1000	0046.7	007.0	259.9	000.0143	0110.6	026.6	37.00
132.0	000.1000	0047.0	007.0	259.7	000.0149	0110.3	026.7	37.11
133.0	000.1000	0047.7	007.1	259.4	000.0157	0109.9	026.7	37.27
134.0	000.1000	0048.8	007.2	259.1	000.0168	0109.4	026.8	37.48
135.0	000.1000	0049.9	007.2	258.8	000.0178	0109.1	026.8	37.67
136.0	000.1000	0050.5	007.3	258.6	000.0186	0108.9	026.9	37.80
137.0	000.1000	0050.9	007.3	258.4	000.0194	0108.7	027.0	37.89
138.0	000.1000	0051.4	007.4	258.2	000.0201	0108.6	027.1	37.99
139.0	000.1000	0052.0	007.4	258.0	000.0209	0108.5	027.2	38.09
140.0	000.1000	0052.6	007.4	257.7	000.0217	0108.4	027.3	38.19
141.0	000.1000	0053.3	007.5	257.5	000.0225	0108.4	027.4	38.29
142.0	000.1000	0054.0	007.6	257.3	000.0235	0108.3	027.5	38.40
143.0	000.1000	0054.7	007.6	257.1	000.0243	0108.3	027.5	38.49
144.0	000.1000	0055.1	007.6	256.9	000.0250	0108.3	027.7	38.54
145.0	000.1000	0055.3	007.6	256.8	000.0255	0108.3	027.8	38.56
146.0	000.1000	0055.5	007.7	256.7	000.0261	0108.4	027.9	38.58
147.0	000.1000	0055.8	007.7	256.5	000.0267	0108.4	028.0	38.60
148.0	000.1000	0055.9	007.7	256.4	000.0271	0108.5	028.1	38.60
149.0	000.1000	0055.7	007.7	256.4	000.0273	0108.5	028.3	38.56



Antenna Mfg.: SWR  
Antenna Type: FMEC/3  
Station: W267AM.C  
Frequency: 101.5  
Channel #: 268  
Figure: 2

Date: 8/14/2015

Beam Tilt	0	
Gain (Max)	1.556	1.921 dB
Gain (Horizon)	1.556	1.921 dB



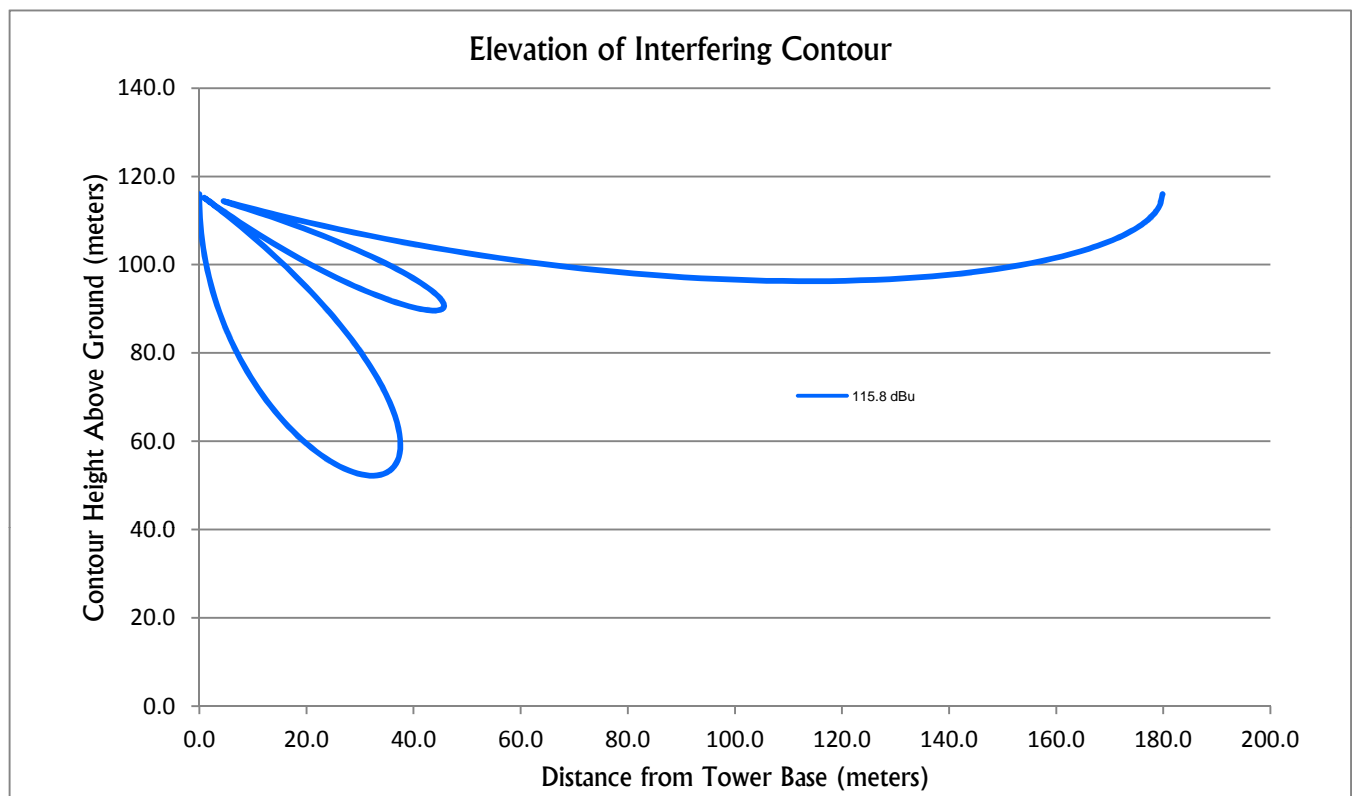
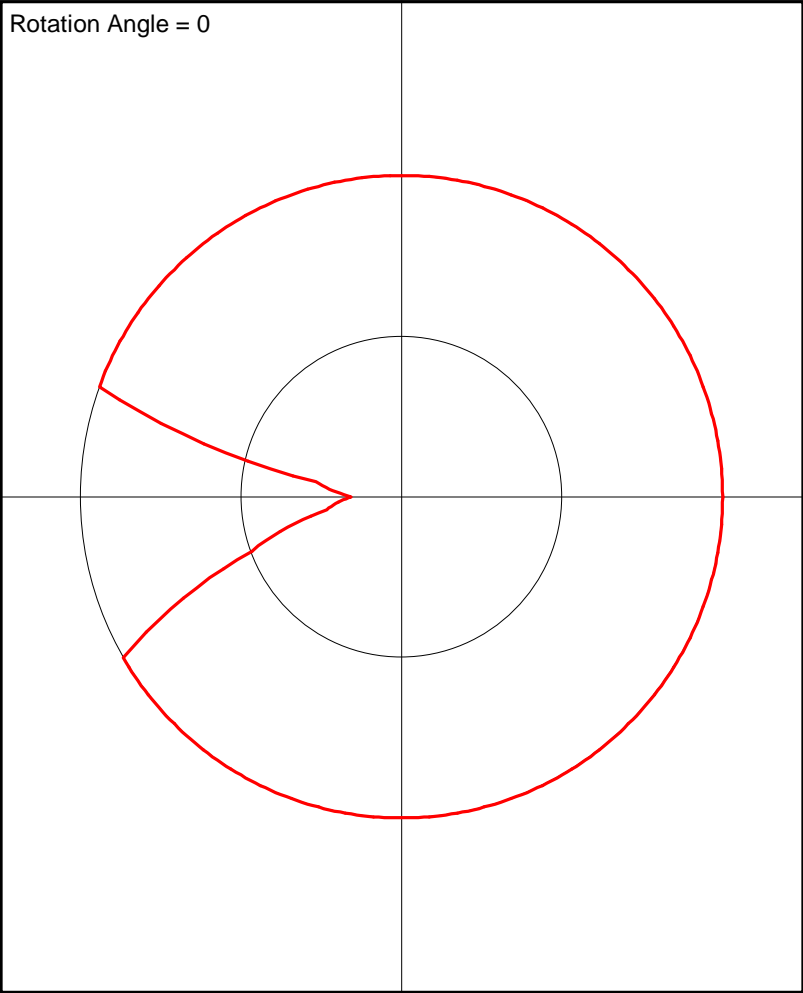


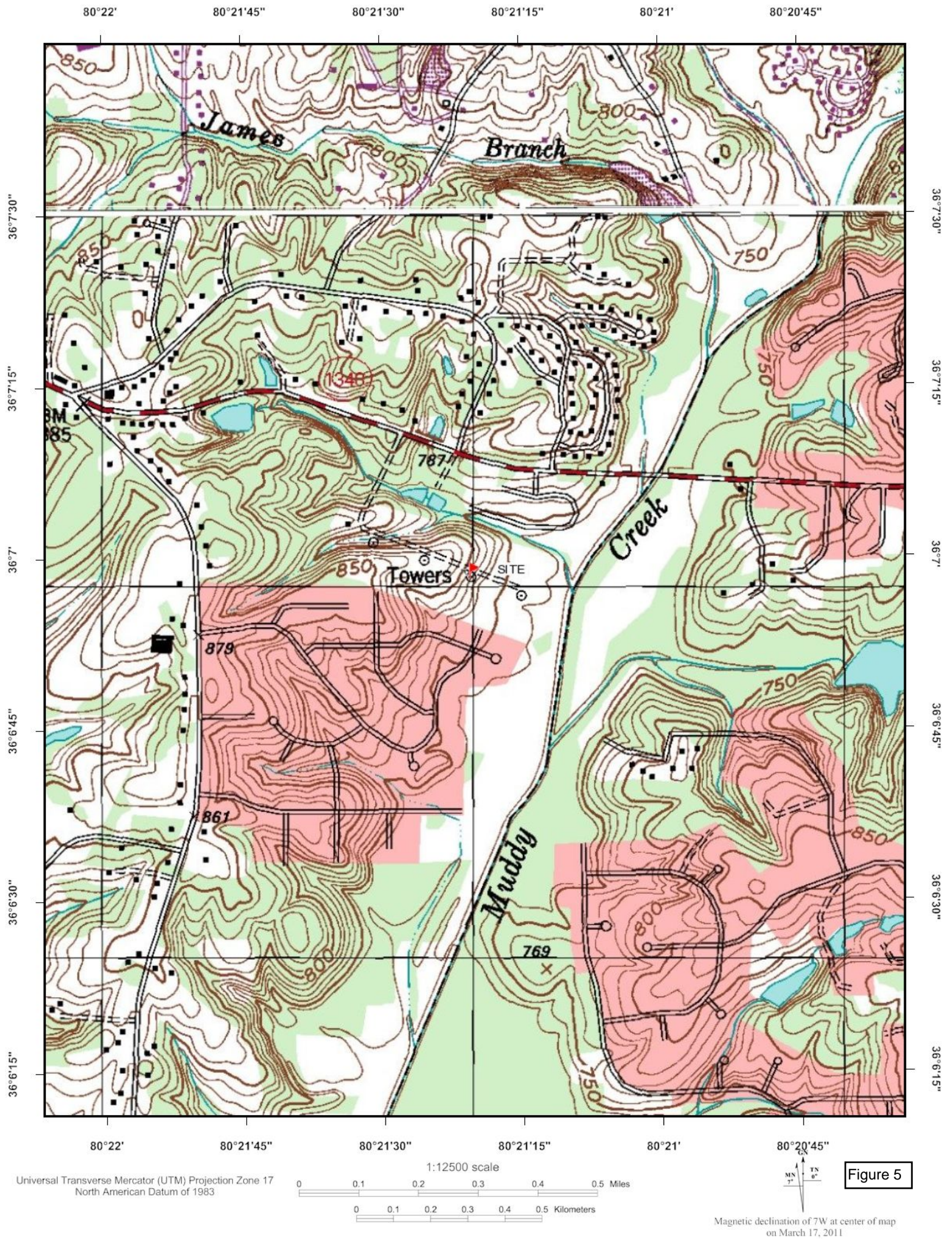
Figure 4: Horizontal Plane Antenna Pattern

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













## Figure 7

Aerial Photograph with 180 meter radius circle  
August 2015





Figure 8: Allocation Study: WEXM-LP CP  
Eastern Airwaves, LLC

FMCommander Single Allocation Study - 08-14-2015 - FCC NGDC 30 Sec  
W267AM.C's Overlaps (In= -5.44 km, Out= 2.14 km)

W267AM.C CH 268 D DA  
Lat= 36 06 58.0, Lng= 80 21 21.0  
0.25 kW 108.4 M HAAT, 355 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

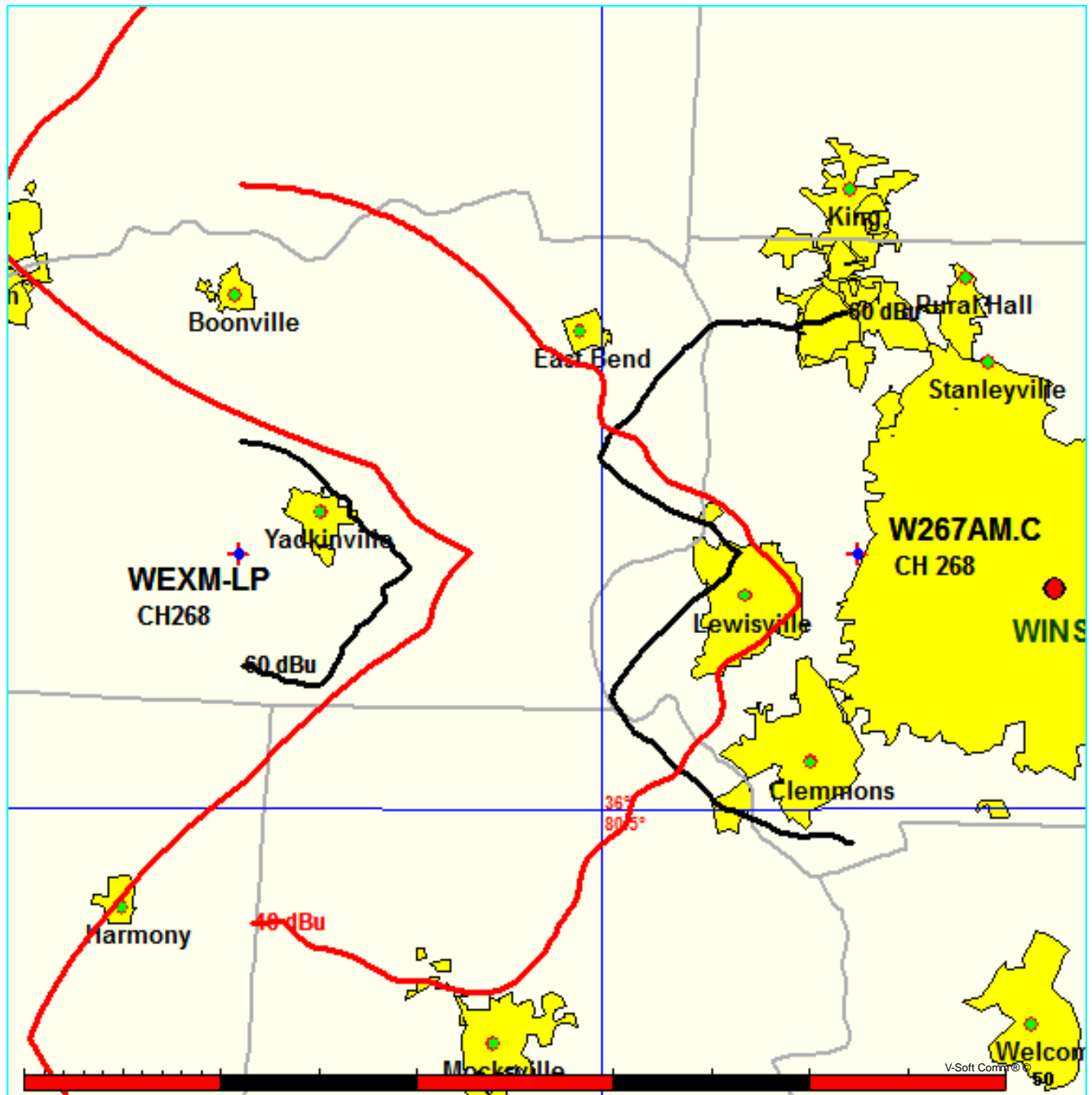


Figure 8A: Allocation Study: WEXM-LP CP: Detail  
Eastern Airwaves, LLC

FMCommander Single Allocation Study - 08-14-2015 - FCC NGDC 30 Sec  
W267AM.C's Overlaps (In= -5.44 km, Out= 2.14 km)

W267AM.C CH 268 D DA  
Lat= 36 06 58.0, Lng= 80 21 21.0  
0.25 kW 108.4 M HAAT, 355 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

