

Exhibit 13.1 - Copy of Existing Antenna Structure Registration



Registration Detail

Reg Number	1043012	Status	Constructed
File Number	A0659219	Constructed	08/10/2009
FAA Study	2009-ASO-3037-OE	EMI	No
FAA Issue Date	06/29/2009	NEPA	No

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Communications Purposes

Location (in NAD83 Coordinates)

Lat/Long 35-27-51.6 N 084-35-59.8 W 2110 Oxnard Rd. (Athens #10502)
City, State Athens , TN
Center of
AM Array

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
334.4	106.4
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
440.8	104.5

Painting and Lighting Specifications

FAA Chapters 4, 6, 13
Paint and Light in Accordance with FAA Circular Number 70/7460-1H

Owner & Contact Information

FRN	0009764150	Licensee ID	L00759842
Assignor FRN	0016006256	Assignor ID	L01237409

Owner

Global Tower, LLC
Attention To: FCC Contact
750 Park of Commerce Blvd, Ste. 300
Boca Raton , FL 33487

P: (561)995-0320
E: fcc-contact@gtpsites.com

Contact

P:
E:

Last Action Status

Status	Constructed	Received	12/09/2009
Purpose	Change Owner	Entered	12/09/2009
Mode	Interactive		

Related Applications

Exhibit 13.2

Vertical Plan of Antenna System

The site is located at 2110 Oxnard Road,
The City of Athens, McMinn County, Tennessee.

Site Location (NAD 27)

NL: 35° 27' 51"

WL: 84° 36' 00"

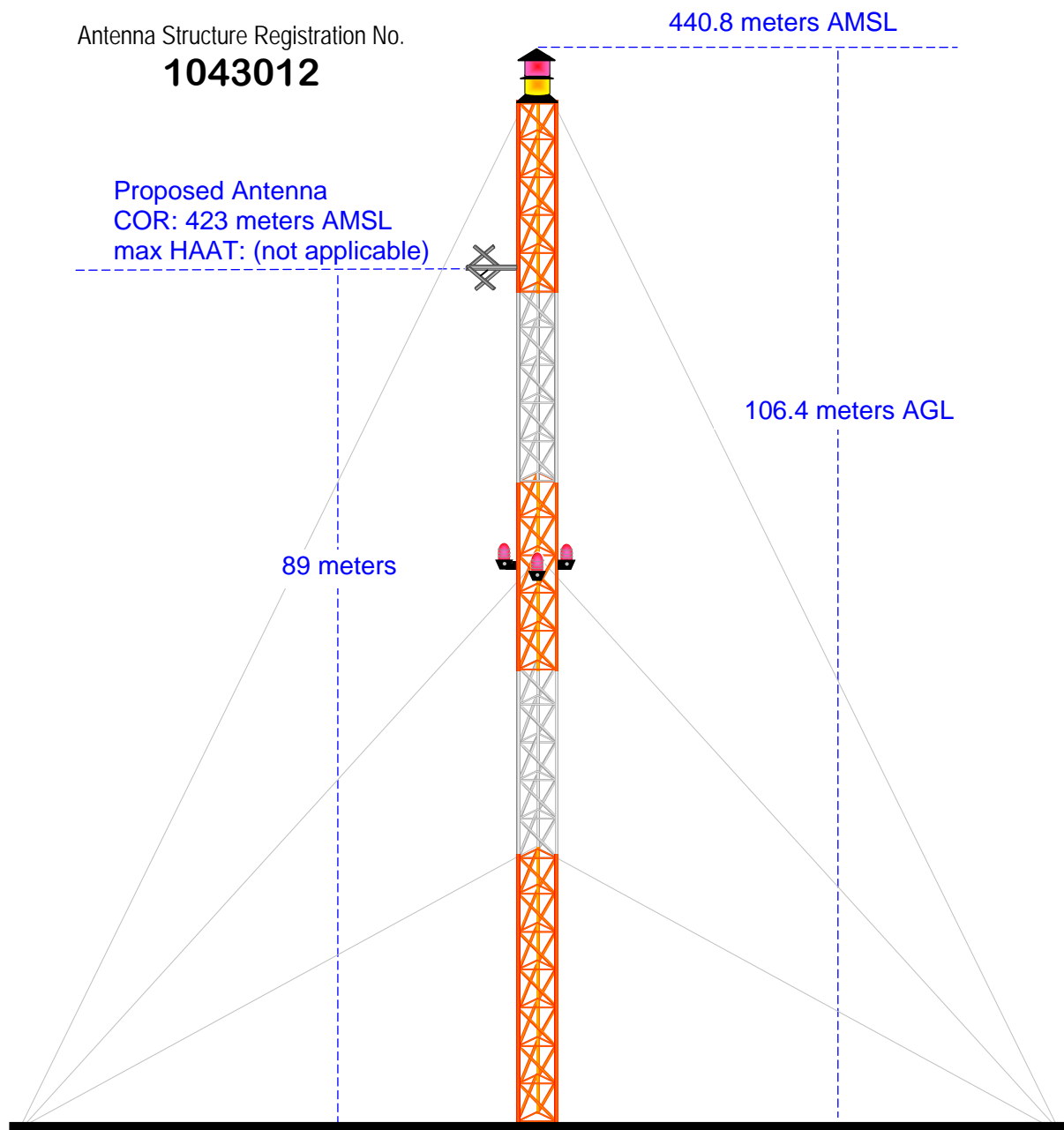
(35-27-51.6NL; 84-35-59.8WL NAD1983)

NOTE: Existing Tower Construction

Antenna Structure Registration No.

1043012

Proposed Antenna
COR: 423 meters AMSL
max HAAT: (not applicable)



Ground Elevation = 334.4 m AMSL

Drawing is not to Scale

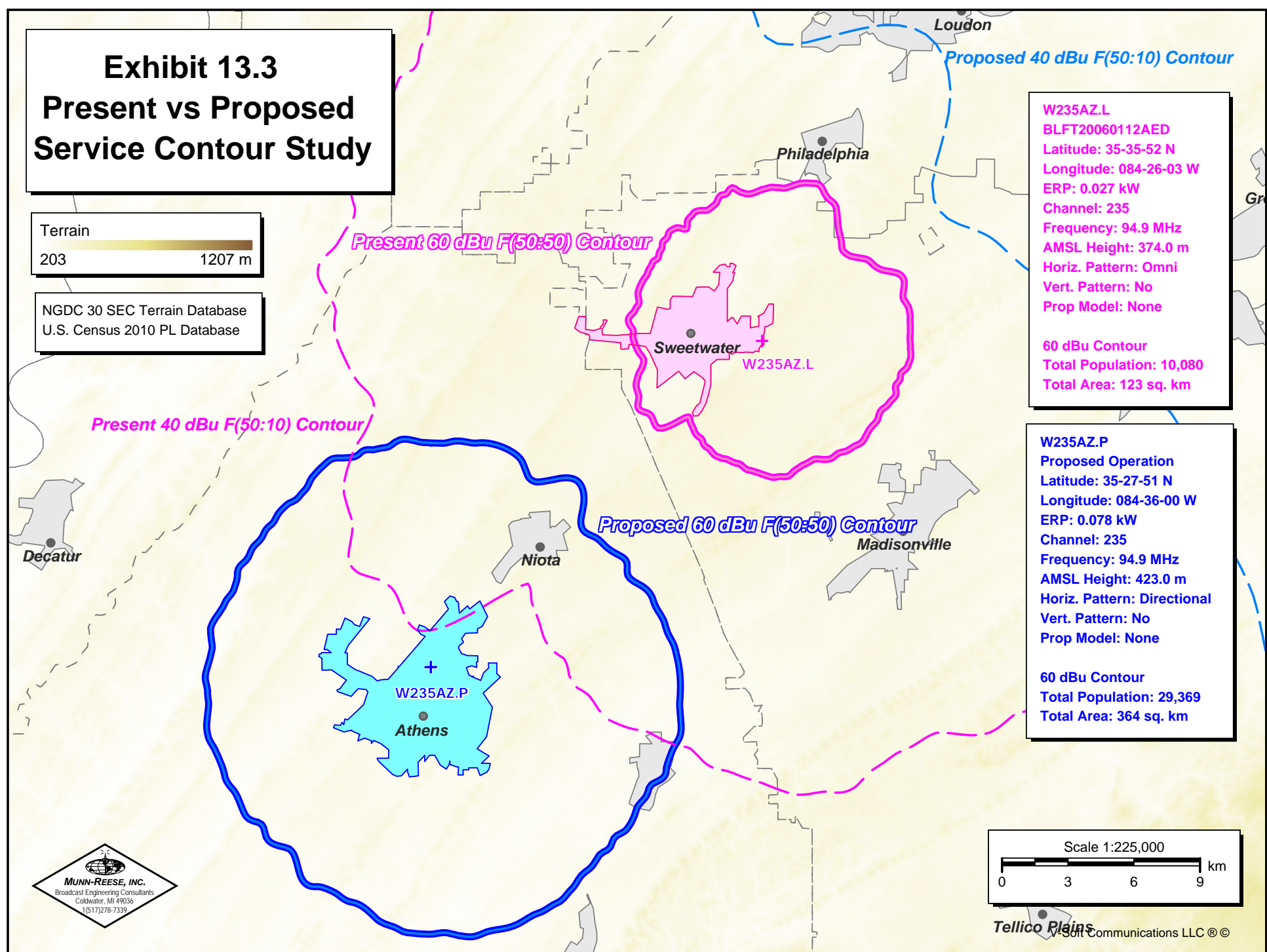
MUNN-REESE, INC.

Broadcast Engineering Consultants
Coldwater, MI 49036

Exhibit 13.3 Present vs Proposed Service Contour Study

Terrain
203 ————— 1207 m

NGDC 30 SEC Terrain Database
U.S. Census 2010 PL Database



W235AZ.L
BLFT20060112AED
Latitude: 35-35-52 N
Longitude: 084-26-03 W
ERP: 0.027 kW
Channel: 235
Frequency: 94.9 MHz
AMSL Height: 374.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

60 dBu Contour
Total Population: 10,080
Total Area: 123 sq. km

W235AZ.P
Proposed Operation
Latitude: 35-27-51 N
Longitude: 084-36-00 W
ERP: 0.078 kW
Channel: 235
Frequency: 94.9 MHz
AMSL Height: 423.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

60 dBu Contour
Total Population: 29,369
Total Area: 364 sq. km

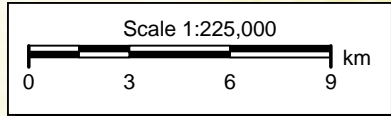


Exhibit 13.4 Proposed vs Primary Service Contour Study

NGDC 30 SEC Terrain Database
U.S. Census 2010 PL Database

W235AZ.P
Proposed Operation
Latitude: 35-27-51 N
Longitude: 084-36-00 W
ERP: 0.078 kW
Channel: 235
Frequency: 94.9 MHz
AMSL Height: 423.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

W235AZ.L
BLFT20060112AED
Latitude: 35-35-52 N
Longitude: 084-26-03 W
ERP: 0.027 kW
Channel: 235
Frequency: 94.9 MHz
AMSL Height: 374.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Chattanooga, TN/GA
Arbitron Market

Knoxville, TN
Arbitron Market

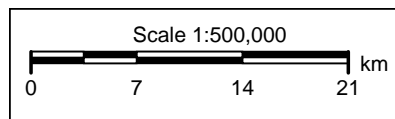
Daytime 2 mV/m Contour

Proposed 60 dBu F(50:50) Contour

Present 60 dBu F(50:50) Contour

25 mile AM Site Radius

Call: WLAR(AM)
FAC ID: 29953
Freq: 1450 kHz
ATHENS, TN, US
Hours: U
Lat: 35-26-44 N
Lng: 084-36-43 W
Power: 1.0 kW
Theo RMS: 305.78 mV/m
@ 1km @ 1kW



V-Soft Communications LLC ©



Exhibit 13.5

Tabulation of Proposed Translator Allocation

Charles H. Lynn											
REFERENCE		CH#	235D	- 94.9 MHz, Pwr= 0.078 kW DA, HAAT= 141.7 M, COR= 423 M				DISPLAY DATES		DATA 10-03-11	
35 27 51.0 N.		Average Protected F(50-50)= 11.48 km						SEARCH		10-03-11	
84 36 00.0 W.		Standard Directional									
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kw)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)
235C0	WAEZ	LIC	DEX	67.9	185.5	36 04 34.0	100.000	193.6	89.4	-18.5*	61.6
Greeneville		TN		249.0	BMLH20010504AAT	82 41 28.0	332	1042	Bristol	Broadcasting Compa	
235D	W235AZ	LIC	C	45.2	21.1	35 35 52.0	0.027	16.2	5.0	-4.7	-16.1
Sweetwater		TN		225.3	BLFT20060112AED	84 26 03.0	73	374	Charles H. Lynn		
234C0	WGSQ	LIC	_CN	319.9	103.5	36 10 26.0	100.000	104.8	72.2	-11.1*	17.7
Cookeville		TN		139.4	BLH19900329KA	85 20 37.0	402	822	Cookeville Communications,		
235D	W235AO	LIC	_C	215.6	41.6	35 09 36.0	0.010	14.6	4.7	16.4	1.4
Cleveland		TN		35.5	BLFT20070604AAU	84 51 59.0	66	324	Edgewater Broadcasting, In		
235C1	WUBL	LIC	_C	172.6	185.3	33 48 27.0	100.000	170.5	71.2	2.8	73.5
Atlanta		GA		352.7	BLH20000413ABM	84 20 27.0	298	581	Citicasters Licenses, Inc.		
235D	W235AO	CP	DV_	227.9	50.2	35 09 39.0	0.050	28.3	8.5	11.3	6.4
Cleveland		TN		47.6	BPFT20100114AAT	85 00 34.0	148	404	Edgewater Broadcasting, In		
236L1	WTRL-LP	LIC	___	68.8	33.3	35 34 19.0	0.024	6.0	4.2	17.1	14.7
Vonore		TN		249.0	BLL20070625ABM	84 15 23.0	59	335	Talk Of Your Life Radio Of		
237C3	WPLZ	LIC	NCX	241.0	76.4	35 07 45.0	3.400	3.6	46.6	62.1	29.2
Ooltewah		TN		60.6	BLH20090731AEV	85 20 02.0	275	649	J. L. Brewer Broadcasting		
236A	WACF	LIC	NCX	133.1	85.0	34 56 26.0	0.200	44.3	28.5	29.2	39.9
Young Harris		GA		313.4	BLH20070830ADE	83 55 08.0	483	1123	wolf Creek Broadcasting, I		
232A	WJTT	LIC	_CN	239.2	73.2	35 07 33.0	4.700	3.6	40.3	58.9	32.3
Red Bank		TN		58.8	BLH19980814KD	85 17 25.0	113	460	Brewer Broadcasting Of Cha		
232A	WNFZ	LIC	_CX	40.5	73.6	35 57 58.0	2.950	2.6	29.0	60.4	44.0
Powell		TN		220.9	BLH20091125ADM	84 04 06.0	144	441	John W. Pirkle		
234D	W234AG	LIC	_CN	187.6	79.9	34 45 06.0	0.010	18.5	12.2	49.5	50.1
Chatsworth		GA		7.5	BLFT19961107TG	84 42 54.0	494	865	Immanuel Broadcasting Netw		
Translator For WCCV, Cartersville, GA From Channel 233											
234L1	WAAK-LP	CP	_H_	216.9	75.7	34 55 08.0	0.005	7.4	5.3	57.8	55.7
Boynton		GA		36.6	BPL20110908ABZ	85 05 55.0	134	396	Boynton Educational Radio,		
237A	WYFC	LIC	_CN	37.5	85.4	36 04 21.0	1.450	2.3	28.8	72.4	56.0
Clinton		TN		217.8	BLED19980428KE	84 01 18.0	204	527	Bible Broadcasting Network		
Commercial channel operating educational											
234L1	WAAK-LP	LIC	___	218.2	80.1	34 53 49.0	0.049	6.7	4.7	63.0	60.7
Boynton		GA		37.9	BLL20050201BIT	85 08 38.0	43	300	Boynton Educational Radio,		

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference zone= East Zone, Co to 3rd adjacent.
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
 "*"affixed to 'IN' or 'OUT' values = site inside protected contour.

Blue Highlighted Text denotes Received Interference allowable under the provisions §74.1201 to 74.1290.

Yellow Highlighted Text denotes the Mutually Exclusive W235AZ - Sweetwater, TN facility to be modified by the proposal. The facility need not be protected.

Green Highlighted Text denotes supplemental contour protection studies toward W235AO - Cleveland, TN as included in **Exhibit 13.6**.

Exhibit 13.6

Contour Protection Studies Toward W235AO - Cleveland, TN

Charles H. Lynn

FMCommander Single Allocation Study - 10-03-2011 - NGDC 30 SEC

W235AZ.P's Overlaps (In= 16.37 km, Out= 1.37 km)

W235AZ.P CH 235 D DA

Lat= 35 27 51.0, Lng= 84 36 00.0

0.078 kW 141.7 M HAAT, 423 M COR

Prot.= 60 dBu, Intef.= 40 dBu

W235AO CH 235 D BLFT20070604AAU

Lat= 35 09 36.0, Lng= 84 51 59.0

0.01 kW 65.5 M HAAT, 324 M COR

Prot.= 60 dBu, Intef.= 40 dBu

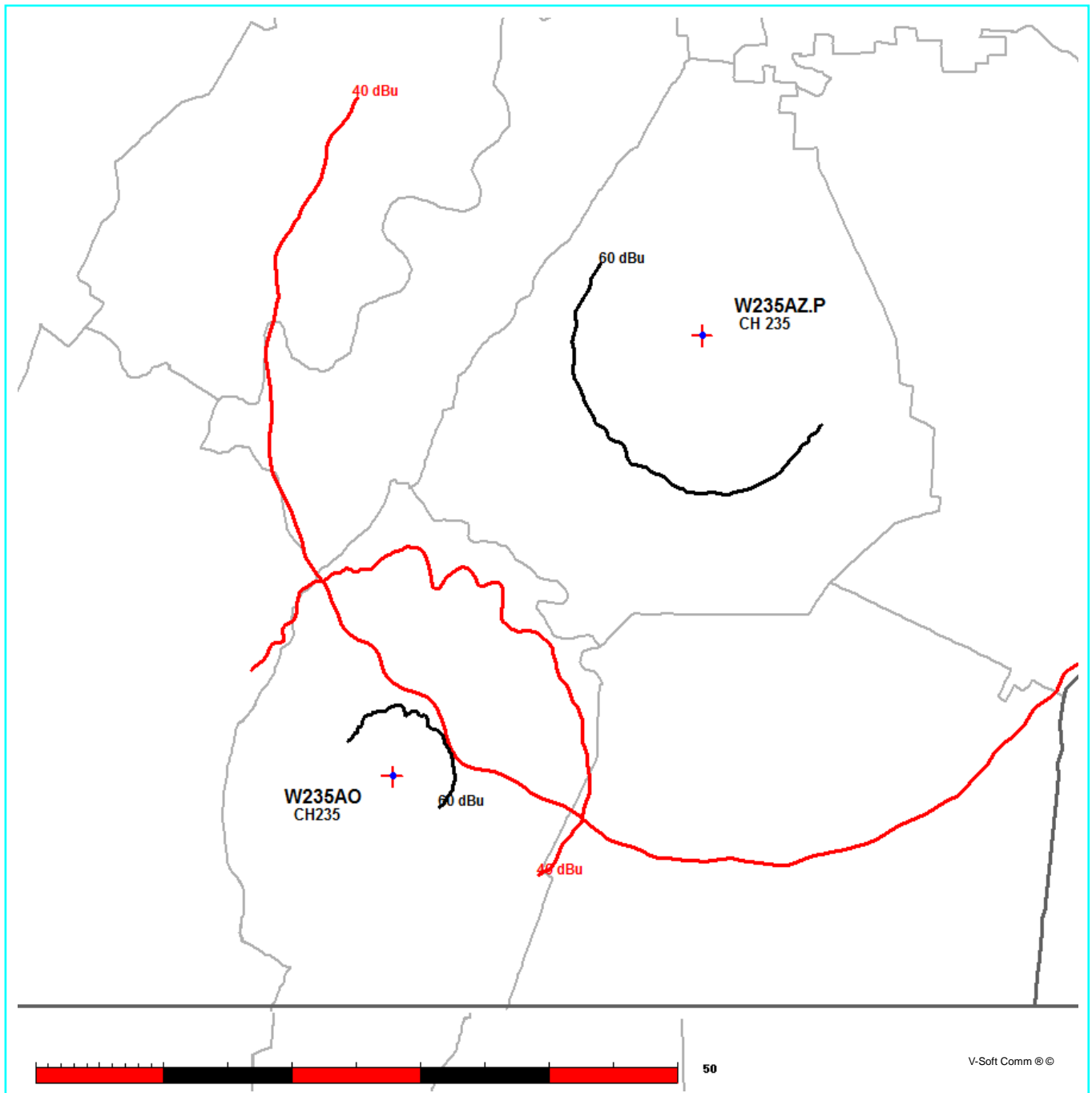


Exhibit 13.6

Contour Protection Studies Toward W235AO - Cleveland, TN

10-03-2011

Terrain Data: NGDC 30 SEC

FMOver Analysis

W235AZ.P

W235AO BLFT20070604AAU

Channel = 235D
Max ERP = 0.078 kW
RCAMSL = 423 M
N. Lat. 35 27 51.0
W. Lng. 84 36 00.0
Protected
60 dBu

Channel = 235D
Max ERP = 0.0095 kW
RCAMSL = 324 M
N. Lat. 35 09 36.0
W. Lng. 84 51 59.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
175.0	000.0745	0161.5	012.2	049.3	000.0095	0074.3	033.3	27.91	
176.0	000.0741	0160.3	012.1	049.0	000.0095	0074.3	033.1	27.97	
177.0	000.0736	0159.5	012.1	048.7	000.0095	0074.2	033.0	28.02	
178.0	000.0731	0160.4	012.1	048.5	000.0095	0074.2	032.8	28.09	
179.0	000.0727	0161.5	012.1	048.3	000.0095	0074.1	032.6	28.17	
180.0	000.0722	0162.5	012.1	048.1	000.0095	0074.1	032.5	28.24	
181.0	000.0716	0163.0	012.1	047.8	000.0095	0074.1	032.3	28.31	
182.0	000.0710	0163.5	012.1	047.6	000.0095	0074.0	032.2	28.37	
183.0	000.0704	0164.0	012.1	047.3	000.0095	0074.0	032.0	28.44	
184.0	000.0699	0164.3	012.1	047.0	000.0095	0073.9	031.9	28.49	
185.0	000.0693	0164.9	012.1	046.7	000.0095	0073.8	031.7	28.54	
186.0	000.0687	0164.7	012.1	046.4	000.0095	0073.6	031.6	28.58	
187.0	000.0681	0163.1	012.0	046.0	000.0095	0073.4	031.6	28.58	
188.0	000.0676	0161.9	011.9	045.6	000.0095	0073.1	031.5	28.58	
189.0	000.0670	0161.7	011.9	045.3	000.0095	0072.7	031.4	28.58	
190.0	000.0665	0161.5	011.9	044.9	000.0095	0072.3	031.3	28.59	
191.0	000.0657	0160.8	011.8	044.6	000.0095	0071.8	031.2	28.57	
192.0	000.0650	0159.4	011.7	044.2	000.0095	0071.2	031.2	28.51	
193.0	000.0643	0157.1	011.6	043.7	000.0095	0070.5	031.2	28.43	
194.0	000.0636	0154.9	011.5	043.3	000.0095	0069.8	031.2	28.34	
195.0	000.0629	0153.2	011.4	042.9	000.0095	0069.2	031.2	28.27	
196.0	000.0622	0152.2	011.3	042.5	000.0095	0068.5	031.1	28.20	
197.0	000.0615	0151.9	011.3	042.2	000.0095	0068.0	031.1	28.16	
198.0	000.0608	0152.6	011.3	041.8	000.0095	0067.5	031.0	28.14	
199.0	000.0601	0153.9	011.3	041.5	000.0095	0067.1	030.9	28.13	
200.0	000.0594	0154.6	011.3	041.2	000.0095	0066.7	030.9	28.12	
201.0	000.0589	0154.2	011.2	040.8	000.0095	0066.2	030.8	28.08	
202.0	000.0583	0153.3	011.2	040.4	000.0095	0065.9	030.8	28.04	
203.0	000.0578	0152.9	011.1	040.1	000.0095	0065.6	030.8	28.02	
204.0	000.0572	0153.4	011.1	039.7	000.0095	0065.5	030.7	28.02	
205.0	000.0567	0154.2	011.1	039.4	000.0095	0065.4	030.7	28.05	
206.0	000.0561	0155.2	011.1	039.0	000.0095	0065.4	030.6	28.08	

Exhibit 13.6

Contour Protection Studies Toward W235AO - Cleveland, TN

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
207.0	000.0556	0157.4	011.2	038.7	000.0095	0065.5	030.5	28.14
208.0	000.0551	0160.6	011.3	038.4	000.0095	0065.6	030.4	28.22
209.0	000.0545	0163.2	011.4	038.0	000.0095	0065.7	030.3	28.29
210.0	000.0540	0163.8	011.4	037.6	000.0095	0065.8	030.3	28.31
211.0	000.0535	0162.5	011.3	037.3	000.0095	0065.7	030.3	28.28
212.0	000.0530	0159.8	011.2	036.9	000.0095	0065.6	030.4	28.21
213.0	000.0524	0156.2	011.0	036.5	000.0095	0065.6	030.6	28.12
214.0	000.0519	0152.4	010.8	036.1	000.0095	0065.7	030.7	28.05
215.0	000.0514	0149.1	010.7	035.7	000.0095	0065.9	030.9	28.00
216.0	000.0509	0146.6	010.5	035.4	000.0095	0066.2	031.0	27.98
217.0	000.0504	0145.3	010.5	035.1	000.0095	0066.7	031.1	28.00
218.0	000.0499	0145.9	010.5	034.7	000.0095	0067.4	031.1	28.08
219.0	000.0494	0148.3	010.5	034.4	000.0095	0068.3	031.1	28.22
220.0	000.0489	0151.3	010.6	034.0	000.0095	0069.4	031.0	28.39
221.0	000.0486	0154.1	010.7	033.7	000.0095	0070.6	030.9	28.57
222.0	000.0482	0156.1	010.8	033.3	000.0095	0072.0	030.9	28.75
223.0	000.0478	0157.1	010.8	033.0	000.0095	0073.3	030.9	28.90
224.0	000.0475	0156.5	010.7	032.6	000.0095	0074.6	031.0	29.01
225.0	000.0471	0154.3	010.6	032.3	000.0095	0075.8	031.1	29.08
226.0	000.0467	0151.9	010.5	032.1	000.0095	0076.8	031.3	29.12
227.0	000.0464	0151.2	010.5	031.8	000.0095	0077.9	031.4	29.20
228.0	000.0460	0153.3	010.5	031.4	000.0095	0079.1	031.4	29.35
229.0	000.0456	0157.2	010.7	031.0	000.0095	0080.3	031.3	29.51
230.0	000.0453	0160.1	010.8	030.6	000.0095	0081.2	031.3	29.62
231.0	000.0449	0161.3	010.8	030.3	000.0095	0081.9	031.3	29.68
232.0	000.0446	0161.3	010.8	030.0	000.0095	0082.4	031.4	29.68
233.0	000.0442	0160.4	010.7	029.7	000.0095	0082.7	031.5	29.66
234.0	000.0439	0159.6	010.7	029.4	000.0095	0082.8	031.6	29.61
235.0	000.0435	0159.0	010.6	029.2	000.0095	0082.8	031.8	29.56
236.0	000.0432	0158.5	010.6	028.9	000.0095	0082.8	031.9	29.50
237.0	000.0428	0158.5	010.6	028.6	000.0095	0082.6	032.0	29.43
238.0	000.0425	0159.1	010.6	028.3	000.0095	0082.3	032.1	29.35
239.0	000.0421	0160.7	010.6	028.0	000.0095	0081.7	032.1	29.26
240.0	000.0418	0162.1	010.6	027.7	000.0095	0081.1	032.2	29.16
241.0	000.0415	0162.5	010.6	027.4	000.0095	0080.4	032.3	29.04
242.0	000.0413	0161.9	010.6	027.2	000.0095	0079.8	032.4	28.91
243.0	000.0410	0160.9	010.5	027.0	000.0095	0079.2	032.6	28.77
244.0	000.0408	0160.4	010.5	026.8	000.0095	0078.5	032.7	28.63
245.0	000.0405	0160.5	010.5	026.5	000.0095	0077.8	032.8	28.50
246.0	000.0403	0160.6	010.5	026.3	000.0095	0077.2	033.0	28.37
247.0	000.0401	0161.0	010.5	026.0	000.0095	0076.6	033.1	28.25
248.0	000.0398	0161.7	010.5	025.8	000.0095	0076.1	033.2	28.15
249.0	000.0396	0162.4	010.5	025.6	000.0095	0075.8	033.3	28.05
250.0	000.0393	0163.7	010.5	025.3	000.0095	0075.6	033.4	27.98

Exhibit 13.6

Contour Protection Studies Toward W235AO - Cleveland, TN

10-03-2011

Terrain Data: NGDC 30 SEC

FMOver Analysis

W235AO BLFT20070604AAU

W235AZ.P

Channel = 235D

Max ERP = 0.0095 kW

RCAMSL = 324 M

N. Lat. 35 09 36.0

W. Lng. 84 51 59.0

Protected

60 dBu

Channel = 235D

Max ERP = 0.078 kW

RCAMSL = 423 M

N. Lat. 35 27 51.0

W. Lng. 84 36 00.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
350.0	000.0095	0074.4	005.0	220.9	000.0486	0153.9	038.2	38.82	
351.0	000.0095	0075.3	005.0	220.9	000.0486	0153.8	038.2	38.86	
352.0	000.0095	0075.0	005.0	220.8	000.0486	0153.5	038.1	38.88	
353.0	000.0095	0074.6	005.0	220.7	000.0487	0153.3	038.0	38.89	
354.0	000.0095	0074.6	005.0	220.6	000.0487	0153.0	038.0	38.91	
355.0	000.0095	0076.7	005.0	220.6	000.0487	0153.0	037.9	38.96	
356.0	000.0095	0078.8	005.1	220.6	000.0487	0152.9	037.8	39.02	
357.0	000.0095	0080.8	005.2	220.5	000.0487	0152.9	037.7	39.07	
358.0	000.0095	0081.9	005.2	220.5	000.0488	0152.7	037.6	39.10	
359.0	000.0095	0083.1	005.2	220.4	000.0488	0152.5	037.5	39.14	
000.0	000.0095	0084.2	005.3	220.3	000.0488	0152.3	037.4	39.17	
001.0	000.0095	0085.1	005.3	220.3	000.0488	0152.1	037.3	39.20	
002.0	000.0095	0086.0	005.3	220.2	000.0489	0151.8	037.2	39.23	
003.0	000.0095	0087.1	005.4	220.1	000.0489	0151.6	037.1	39.26	
004.0	000.0095	0088.0	005.4	220.0	000.0489	0151.4	037.1	39.29	
005.0	000.0095	0087.7	005.4	219.9	000.0490	0150.9	037.0	39.29	
006.0	000.0095	0088.1	005.4	219.8	000.0490	0150.6	036.9	39.31	
007.0	000.0095	0087.3	005.4	219.6	000.0491	0150.1	036.9	39.30	
008.0	000.0095	0085.1	005.3	219.4	000.0492	0149.6	036.9	39.27	
009.0	000.0095	0082.5	005.2	219.3	000.0493	0149.0	037.0	39.24	
010.0	000.0095	0077.7	005.1	219.0	000.0494	0148.3	037.1	39.16	
011.0	000.0095	0071.6	004.9	218.7	000.0496	0147.5	037.2	39.06	
012.0	000.0095	0067.8	004.7	218.5	000.0497	0147.0	037.3	39.01	
013.0	000.0095	0066.4	004.7	218.4	000.0497	0146.7	037.3	38.99	
014.0	000.0095	0067.9	004.7	218.3	000.0498	0146.5	037.2	39.02	
015.0	000.0095	0071.5	004.9	218.3	000.0498	0146.4	037.1	39.09	
016.0	000.0095	0075.2	005.0	218.2	000.0498	0146.3	036.9	39.15	
017.0	000.0095	0078.5	005.1	218.2	000.0498	0146.1	036.8	39.22	
018.0	000.0095	0081.2	005.2	218.1	000.0499	0146.0	036.7	39.27	
019.0	000.0095	0082.7	005.2	218.0	000.0499	0145.8	036.6	39.30	
020.0	000.0095	0083.0	005.2	217.8	000.0500	0145.6	036.5	39.31	
021.0	000.0095	0082.2	005.2	217.7	000.0501	0145.5	036.5	39.31	
022.0	000.0095	0080.9	005.2	217.5	000.0502	0145.4	036.6	39.30	

MUNN-REESE, INC.

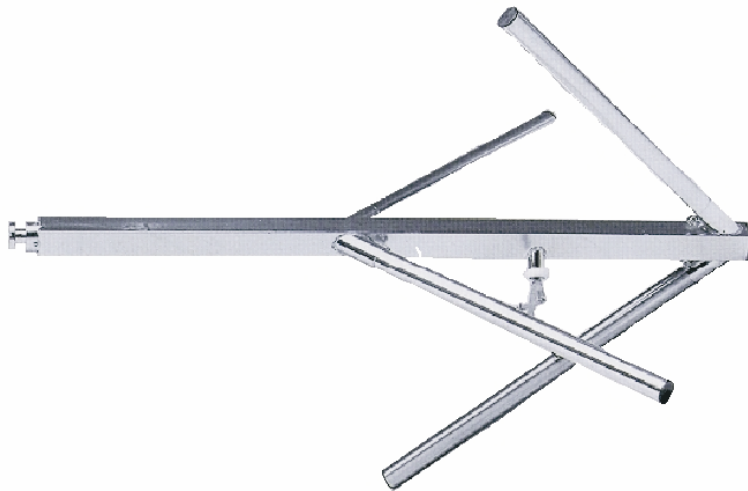
Broadcast Engineering Consultants
Coldwater, MI 49036

Exhibit 13.6

Contour Protection Studies Toward W235AO - Cleveland, TN

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
023.0	000.0095	0078.9	005.1	217.4	000.0502	0145.3	036.6	39.28
024.0	000.0095	0076.7	005.0	217.2	000.0503	0145.3	036.6	39.26
025.0	000.0095	0075.4	005.0	217.1	000.0504	0145.3	036.7	39.26
026.0	000.0095	0076.5	005.0	216.9	000.0505	0145.3	036.6	39.30
027.0	000.0095	0079.2	005.1	216.8	000.0505	0145.4	036.5	39.36
028.0	000.0095	0081.7	005.2	216.7	000.0506	0145.5	036.4	39.41
029.0	000.0095	0082.8	005.2	216.6	000.0506	0145.7	036.4	39.45
030.0	000.0095	0082.3	005.2	216.4	000.0507	0145.8	036.4	39.47
031.0	000.0095	0080.3	005.1	216.3	000.0508	0146.1	036.4	39.46
032.0	000.0095	0077.1	005.0	216.1	000.0509	0146.4	036.5	39.43
033.0	000.0095	0073.2	004.9	216.0	000.0509	0146.6	036.7	39.39
034.0	000.0095	0069.5	004.8	215.8	000.0510	0146.9	036.8	39.36
035.0	000.0095	0066.8	004.7	215.7	000.0511	0147.2	036.9	39.33
036.0	000.0095	0065.7	004.7	215.6	000.0511	0147.5	036.9	39.34
037.0	000.0095	0065.7	004.7	215.4	000.0512	0147.8	036.9	39.36
038.0	000.0095	0065.7	004.7	215.3	000.0513	0148.2	036.9	39.38
039.0	000.0095	0065.4	004.6	215.2	000.0513	0148.5	036.9	39.40
040.0	000.0095	0065.6	004.7	215.1	000.0514	0148.9	036.9	39.43
041.0	000.0095	0066.4	004.7	214.9	000.0515	0149.3	036.9	39.47
042.0	000.0095	0067.8	004.7	214.8	000.0515	0149.7	036.9	39.51
043.0	000.0095	0069.3	004.8	214.7	000.0516	0150.1	036.8	39.56
044.0	000.0095	0071.0	004.8	214.5	000.0517	0150.6	036.8	39.62
045.0	000.0095	0072.4	004.9	214.4	000.0517	0151.1	036.8	39.66
046.0	000.0095	0073.4	004.9	214.2	000.0518	0151.6	036.7	39.70
047.0	000.0095	0073.9	004.9	214.1	000.0519	0152.1	036.7	39.74
048.0	000.0095	0074.1	004.9	214.0	000.0520	0152.6	036.8	39.76
049.0	000.0095	0074.3	004.9	213.8	000.0520	0153.1	036.8	39.79
050.0	000.0095	0074.5	005.0	213.7	000.0521	0153.6	036.8	39.81
051.0	000.0095	0074.5	005.0	213.6	000.0522	0154.0	036.8	39.83
052.0	000.0095	0073.8	004.9	213.5	000.0522	0154.5	036.9	39.84
053.0	000.0095	0072.7	004.9	213.4	000.0523	0154.9	036.9	39.83
054.0	000.0095	0071.6	004.9	213.2	000.0523	0155.3	037.0	39.83
055.0	000.0095	0071.1	004.8	213.1	000.0524	0155.7	037.0	39.83
056.0	000.0095	0070.5	004.8	213.0	000.0524	0156.1	037.1	39.84
057.0	000.0095	0069.6	004.8	212.9	000.0525	0156.5	037.1	39.83
058.0	000.0095	0068.8	004.8	212.8	000.0525	0156.9	037.2	39.83
059.0	000.0095	0068.3	004.7	212.7	000.0526	0157.3	037.3	39.83
060.0	000.0095	0068.3	004.7	212.6	000.0526	0157.7	037.3	39.84
061.0	000.0095	0068.6	004.8	212.5	000.0527	0158.1	037.3	39.85
062.0	000.0095	0069.2	004.8	212.4	000.0528	0158.6	037.3	39.87
063.0	000.0095	0069.8	004.8	212.2	000.0528	0159.0	037.4	39.88
064.0	000.0095	0069.9	004.8	212.1	000.0529	0159.4	037.4	39.89
065.0	000.0095	0069.7	004.8	212.0	000.0529	0159.8	037.5	39.89

Exhibit 13.7 - Copy of Manufacturer's Directional Antenna Pattern Data (Actual Pattern Rotated to 100.0°T)



NICOM
BKG77

Medium Power

**Broadband
FM Circular
Polarization
Antenna
Antena de
FM Banda Ancha
Polarizacion Circular**

This antenna, constructed completely of stainless steel, offers circular polarization for better coverage especially in urban areas. In order to facilitate and decrease shipping costs, this model is simple to break down and reassemble when ready to be installed. It is insulated with Teflon, and with the appropriate connector has a maximum input of 2 kw.

Esta antena, fabricada completamente de acero inoxidable, le ofrece polarización circular para mejor alcance, especialmente en zonas urbanas. Para facilitar y disminuir los costos de transportación, este modelo es fácil de desarmar y volver a montar tan pronto que la quiera instalar. Está aislada con Teflon, y con el conector apropiado tiene una entrada máxima de 2 kw.



TECHNICAL SPECIFICATIONS

Antenna type	circular polarization dipole	Front-to-back ratio	3 dB
Frequency range	87.5 - 108 MHz	Lightening protection	all parts grounded
Bandwidth	16 MHz	Max wind velocity	119 mph (190 km/h)
Impedance	50 ohms	Wind load	53 Lbs (24 kg)
Connectors	N type (1 kw) - 7/8 type (2 kw)	Wind surface	1.1 ft ² (0.10 m ²)
Power rating	2000 Watts max	Materials (external)	stainless steel
VSWR	< 1.3	Mounting	from 2" to 4"
Polarization	vertical and horizontal	Weight	23.1 Lbs (10.5 kg)
Gain	- 3 dBd (referred to half-wave dipole)	Dimensions	58"×32"×32" (1450×800×800mm)
H plane	omnidirectional ±1.5 dB (with a 4" mast)	Packing	72"×6"×6" (1500×152×152mm)
V plane	omnidirectional ±3 dB (with a 4" mast)		

Exhibit 13.7 - Copy of Manufacturer's Directional Antenna Pattern Data (Actual Pattern Rotated to 100.0°T)



Tabulation of Horizontal Antenna Pattern

Manufacturer: NicomUSA, Inc. **Frequency:** 87.5 MHz - 108.0 MHz
Make/Model: BKG77/1L-DA **Weight:** 10.5 Kg
Polarization: Circular **Max Power:** 1.0 kW
Inter Bay Spacing: 1.0 λ (Wavelength) **Antenna Gain:** -3.0 dBd

Horizontal Azimuth	Field (%)	dB	Horizontal Azimuth	Field (%)	dB	Horizontal Azimuth	Field (%)	dB
0.0°	0.982	-0.08	120.0°	0.792	-1.01	240.0°	0.802	-0.96
10.0°	0.982	-0.08	130.0°	0.762	-1.18	250.0°	0.853	-0.69
20.0°	0.982	-0.08	140.0°	0.732	-1.35	260.0°	0.909	-0.41
30.0°	0.988	-0.05	150.0°	0.710	-1.49	270.0°	0.953	-0.21
40.0°	0.988	-0.05	160.0°	0.703	-1.53	280.0°	0.972	-0.12
50.0°	0.993	-0.03	170.0°	0.703	-1.53	290.0°	0.982	-0.08
60.0°	1.000	0.00	180.0°	0.703	-1.53	300.0°	1.000	0.00
70.0°	0.993	-0.03	190.0°	0.703	-1.53	310.0°	0.991	-0.04
80.0°	0.962	-0.17	200.0°	0.703	-1.53	320.0°	0.988	-0.05
90.0°	0.923	-0.35	210.0°	0.711	-1.48	330.0°	0.988	-0.05
100.0°	0.873	-0.59	220.0°	0.732	-1.35	340.0°	0.982	-0.08
110.0°	0.832	-0.80	230.0°	0.772	-1.12	350.0°	0.982	-0.08

Exhibit 13.7 - Copy of Manufacturer's Directional Antenna Pattern Data (Actual Pattern Rotated to 100.0°T)



Plot of Horizontal Antenna Pattern

Manufacturer: NicomUSA, Inc.
Make/Model: BKG77/1L-DA
Polarization: Circular
Inter Bay Spacing: 1.0 λ (Wavelength)

Frequency: 87.5 MHz - 108.0 MHz
Weight: 10.5 kg
Max Power: 1.0 kW
Antenna Gain: -3.0 dBd

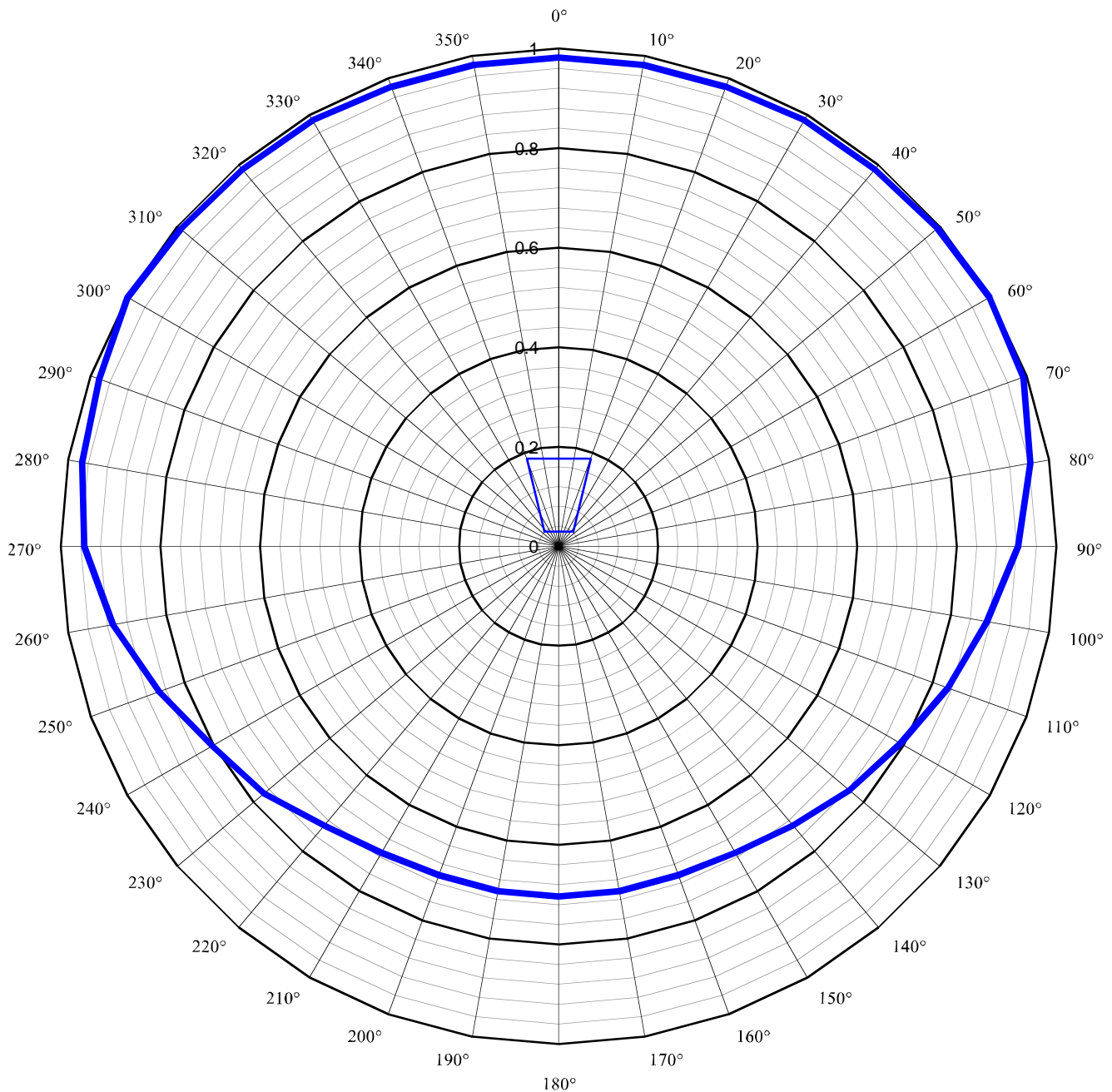


Exhibit 13.8 - Copy of Charles H. Lynn Signed Declaration



DECLARATION UNDER PENALTY OF PERJURY

Charles H. Lynn, under penalty of perjury, declares as follows:

I have not engaged in the filing of serial FM translator "hop" applications, or other serial modification application filings with the FCC that would represent an abuse of process.

Executed this 21st day of October, 2011.

A handwritten signature in blue ink that reads "Charles H. Lynn". The signature is written in a cursive, flowing style. Below the signature is a horizontal line.

Charles H. Lynn