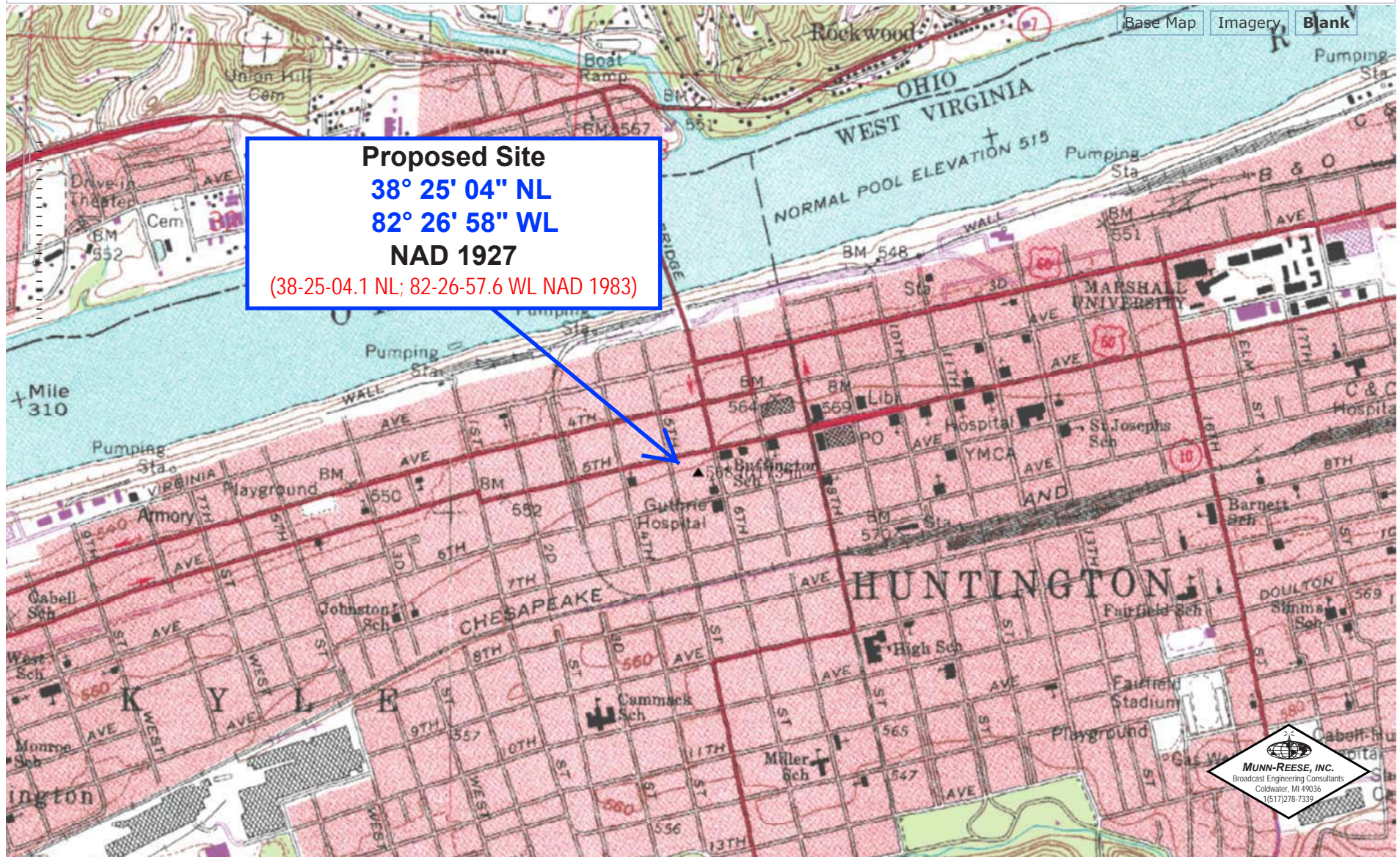


Exhibit 13.1 - USGS Topographic Map of Proposed Tower Site



0 500 1000ft

Scale 1:18,056

Exhibit 13.2 - USGS Aerial Photograph of Proposed Tower Site



0 30 60ft

Scale 1:1,128

Exhibit 13.3

Vertical Plan of Antenna System

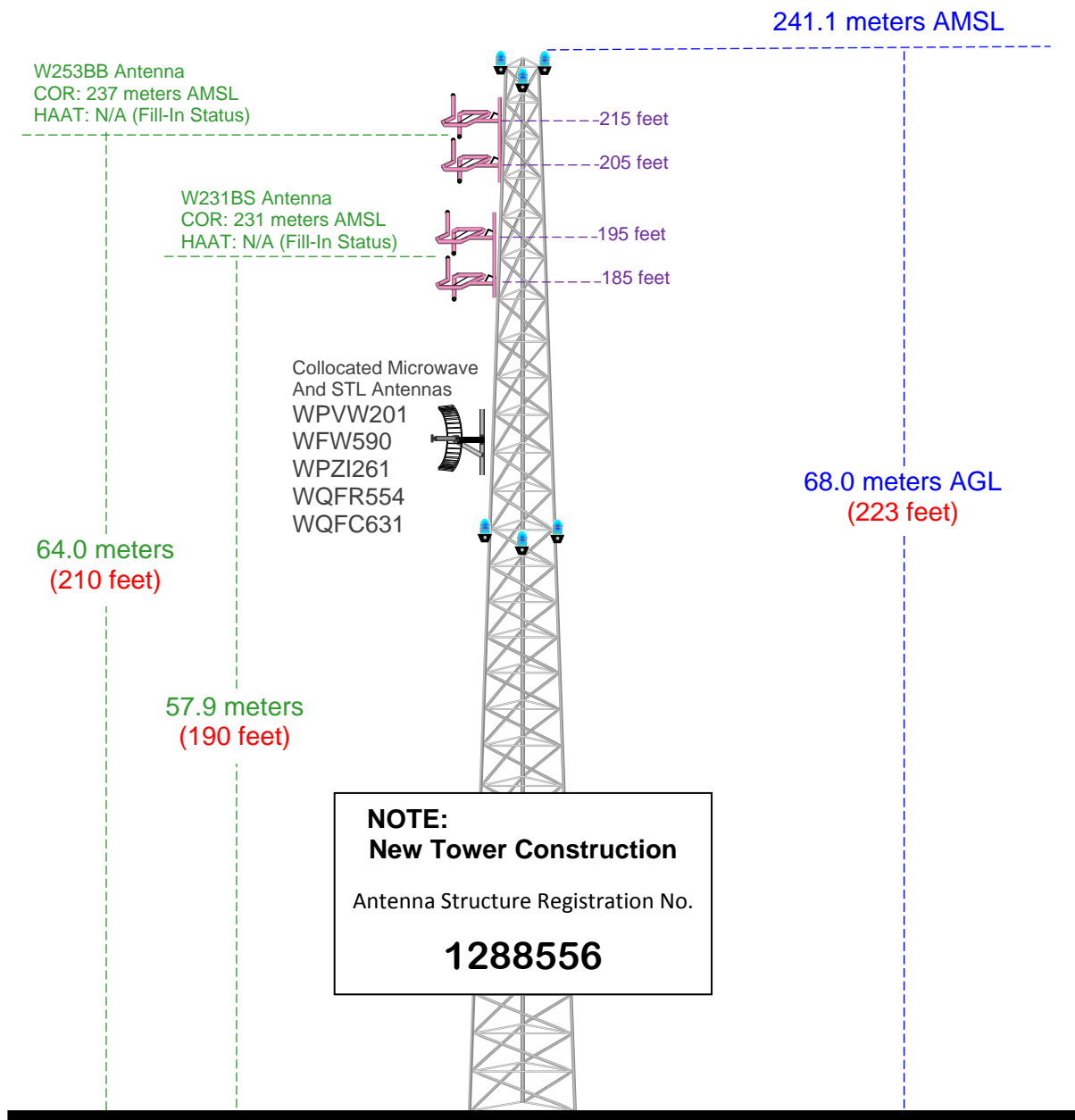
The site is located at the southwest corner of the intersection of 5th Avenue and 6th Street the city of Huntington, Cabell County, West Virginia.

Site Location (NAD 27)

NL: 38° 25' 04"

WL: 82° 26' 58"

(38-25-04.1NL; 82-26-57.6WL NAD1983)



Ground Elevation = 173.1 m AMSL (568 feet)

Drawing is not to Scale

MUNN-REESE, INC.

Broadcast Engineering Consultants
Coldwater, MI 49036

Terrain

153

338 m

NED 03 sec terrain database
US Census 2010 PL database

Exhibit 13.4 Present vs. Proposed Service Contour Study

W231BS.L
Huntington, WV
BLFT20090513ADU
Facility ID: 147849
Latitude: 38-25-16 N
Longitude: 082-26-27 W
ERP: 0.25 kW
Channel: 231D
Frequency: 94.1 MHz
AMSL Height: 238.0 m
Horiz. Pattern: Omni

60 dBμ Contour
Total Population: 71,610
Total Area: 179 sq. km

W231BS.P
Huntington, WV
Proposed Operation
Facility ID: 147849
Latitude: 38-25-04 N
Longitude: 082-26-58 W
ERP: 0.25 kW
Channel: 231D
Frequency: 94.1 MHz
AMSL Height: 231.0 m
Horiz. Pattern: Omni

60 dBμ Contour
Total Population: 69,523
Total Area: 171 sq. km

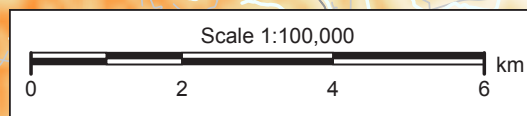
Present 60 dBμ F(50:50)
Proposed 60 dBμ F(50:50)

Chesapeake
W231BS.P
W231BS.L
Huntington

Proctorville

Burlington

Cere



NED 03 sec terrain database
US Census 2010 PL database

Exhibit 13.5 Proposed vs. Primary Service Contour Study

WRVC(AM) - 25 mile AM Site Radius

WRVC(AM) - 2 mV/m Daytime Contour

Proposed 60 dBμ F(50:50)

W231BS.P

Huntington

WRVC(AM)

WRVC(AM)
BL20040305ADU
Facility ID: 21435
Freq: 930 kHz
HUNTINGTON, WV, US
Hours: D
Lat: 38-24-03 N
Lng: 082-29-42 W
Power: 5.0 kW
Theo RMS: 297.73 mV/m
@ 1km @ 1kW

W231BS.P
Huntington, WV
BLFT20090513ADU
Facility ID: 147849
Latitude: 38-25-04 N
Longitude: 082-26-58 W
ERP: 0.25 kW
Channel: 231D
Frequency: 94.1 MHz
AMSL Height: 231.0 m
Horiz. Pattern: Omni

Terrain
146 617 m

Scale 1:435,000
0 6 12 18 km



Exhibit 13.6

Tabulation of Proposed Translator Allocation

Fifth Avenue Broadcasting Company, Inc.										
CH# 231D - 94.1 MHz, Pwr= 0.25 kw, HAAT= 13.9 M, COR= 231 M										
Average Protected F(50-50)= 7.09 km										
Omni-directional										
REFERENCE									DISPLAY DATES	
38 25 04.0 N.									DATA	01-23-13
82 26 58.0 W.									SEARCH	01-24-13
CH CITY	CALL	TYPE ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
229C1 Ashland	WDGG	LIC _CN KY	259.7 79.6	18.87 BLH19860407KC	38 23 14.0 82 39 45.0	100.000 226	9.7 447	70.4 Fifth Avenue Broadcasting	-0.8	-52.6*
231D Huntington	W231BS	LIC _C WV	63.7 243.7	0.83 BLFT20090513ADU	38 25 16.0 82 26 27.0	0.250 23	25.7 238	7.7 Fifth Avenue Broadcasting	-33.2*	-34.4*
231B Oak Hill	WAXS	LIC _CY WV	113.8 294.6	124.44 BMLH19960118KD	37 57 30.0 81 09 03.0	26.500 198	120.9 775	56.7 Plateau Broadcasting, Inc.	-3.5	32.2
233B1 Dunbar	WVTS-FM	LIC _CN WV	89.6 270.0	63.25 BMLH19980505KB	38 25 11.0 81 43 24.0	9.600 160	3.9 395	45.2 Bristol Broadcasting Compa	50.7	16.5
234C3 Paintsville	WKLW-FM	LIC _CN KY	204.0 23.8	75.75 BLH19930719KD	37 47 42.0 82 48 03.0	4.900 223	3.6 488	39.5 B & G Broadcasting, Inc.	65.1	35.2
232C2 Jenkins	WIFX-FM	LIC ZEX KY	186.2 6.1	139.93 BLH20070511ACW	37 09 59.0 82 37 13.0	6.300 410	84.9 956	56.8 Ajspd, LLC	47.9	73.0
232B1 Chillicothe	WKKJ	LIC ZCX OH	335.2 154.8	112.05 BLH20061101ADJ	39 19 52.0 82 59 49.0	19.000 108	56.4 343	42.0 Cc Licenses, LLC	48.6	58.1
230C Marion	WMEV-FM	LIC DEX VA	154.4 335.0	186.53 BLH20060512AAB	36 54 04.0 81 32 35.0	100.000 452	121.2 1187	81.6 Holston Valley Broadcastin	58.3	94.7
231B Cincinnati	WNNF	LIC _CX OH	294.2 112.9	194.13 BLH20070313AAT	39 06 59.0 84 30 07.0	16.000 264	127.0 483	65.4 Cumulus Licensing LLC	60.1	93.1
285A Vanceburg	WKKS-FM«	LIC _CN KY	285.5 104.9	79.78 BLH19840427CP	38 36 19.0 83 19 57.0	3.000 91	13.7 360	92.0 Brown Communications, Inc.	9.5R	70.3M
231D Athens	651914	APP _C OH	17.7 197.9	100.59 BNPFT20030317MLF	39 16 45.7 82 05 40.5	0.013 88	17.9 333	5.5 Spirit Communications, Inc	75.6	71.4
231D Athens	631322	APP _V OH	16.6 196.9	107.20 BNPFT20030310AGZ	39 20 28.0 82 05 33.0	0.034 45	17.4 290	5.3 Fine Arts Radio, Inc.	82.8	78.1
231D Nelsonville	634438	APP _C OH	8.7 188.8	116.05 BNPFT20030312ANN	39 26 58.0 82 14 41.0	0.055 97	28.4 352	8.5 The Cedarville University	80.6	83.8
230B1 St. Marys	WRRR-FM	LIC _CX WV	45.1 225.8	152.52 BLH20040614ABC	39 22 49.0 81 11 36.0	17.000 119	59.0 389	44.7 Seven Ranges Radio Company	86.4	95.9
285A Harold	WXLK«	LIC _CN KY	182.3 2.3	98.27 BLH19940124KD	37 31 59.0 82 29 40.0	0.370 281	13.7 609	92.0 Adam D. Gearheart	9.5R	88.8M
284A Spencer	WVRC-FM«	LIC _CN WV	67.0 247.7	109.04 BLH19941024KA	38 47 40.0 81 17 36.0	4.800 112	13.7 397	92.0 Star Communications, Inc.	9.5R	99.5M

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference zone= East Zone, Co to 3rd adjacent.
 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.

Yellow highlighted text denotes a §74.1204(d) Waiver Request for given second adjacent channel interference to WDGG(FM) - Ashland, KY (CH229C1) as included in **Exhibit 13.7**. Full protection will be afforded the facility as the calculated interference area will not reach the ground nor a 7 meter artificial plane representing a standard two story building when taking into account the downward radiation characteristics of the antenna as supplied by the antenna manufacturer. A copy of the antenna manufacturer specifications have been included in **Exhibit 13.8**.

Blue Highlighted text denotes the W231BS facility to be modified by this minor change proposal. This facility need not be protected.

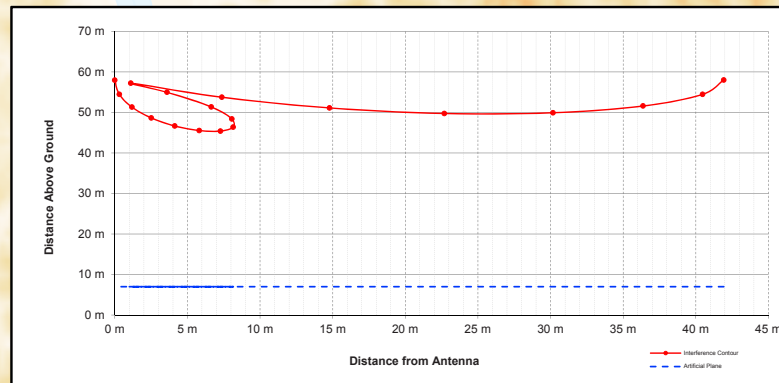
The Interference Contour corresponding to the WDGG(FM) - Ashland, KY Protected Contour at the proposed Translator site has been calculated to be no less than than the 128.45 dBμ F(50:10) Interference Contour corresponding to the worst case WDGG(FM) 88.45 dBμ F(50:50) Protected Contour. This represents the proposed interference contour which falls wholly within the 40:1 dBu ratio. As seen on the map and associated vertical protection study, full protection will be afforded the WDGG(FM) facility as the calculated interference area will not reach the ground nor a 7 meter artificial plane representing a standard two story building when taking into account the downward radiation characteristics of the antenna as supplied by the antenna manufacturer. A copy of the antenna manufacturer's vertical radiation pattern has been included in **Exhibit 13.8**.

Exhibit 13.7

§74.1204(d) 2nd Adjacent Channel Given Interference Waiver Request Study Toward WDGG(FM)

WDGG(FM)
Ashland, KY
BLH19860407KC
Facility ID: 21436
Latitude: 38-23-14 N
Longitude: 082-39-45 W
ERP: 100.00 kW
Channel: 229C1
Frequency: 93.7 MHz
AMSL Height: 447.0 m
Horiz. Pattern: Omni

W231BS.P
Huntington, WV
Proposed Operation
Facility ID: 147849
Latitude: 38-25-04 N
Longitude: 082-26-58 W
ERP: 0.25 kW
Channel: 231D
Frequency: 94.1 MHz
AMSL Height: 231.0 m
Horiz. Pattern: Omni



Proposed Antenna: 2-Bay Shively 6812B-2 Two Bay 1.0λ (wavelength) spaced Proposed Power: 0.25 kW Antenna Height AGL: 58 meters Interference Contour: 128.45 dBμ F(50:10) Artificial Ground Plane Height: 7 meters Distance (Free Space) Equation: $= (10^4 \cdot (106.92 - \{\text{desired dB}\} + \{\text{ERP in dB}\}) / 20) \cdot 1000$ Field Strength (dBu) Equation: $= 106.92 - (20 \cdot (\text{LOG10}(\text{DistMeters}/1000))) + \{\text{ERP in dB}\}$								
Depression Angle	Antenna Relative	ERP	ERP	Distance from Ant.	Distance	Field Strength	Distance	Field Strength
Below Horizon	Field	in kW	in dBk	to Interference Contour	from Ant. to Artificial Plane	in dBu @ Artificial Plane	from Ant. to Ground Level	in dBu @ Ground Level
0°	1.000	0.250	-6.02	41.92 m	infinite	---	---	---
-5°	0.969	0.235	-6.29	40.63 m	585.16 m	105.28 dBu	665.48 m	104.16 dBu
-10°	0.881	0.194	-7.12	36.94 m	293.70 m	110.44 dBu	334.01 m	109.32 dBu
-15°	0.745	0.139	-8.58	31.23 m	197.05 m	112.45 dBu	224.09 m	111.33 dBu
-20°	0.576	0.083	-10.81	24.15 m	149.11 m	112.64 dBu	169.58 m	111.52 dBu
-25°	0.389	0.038	-14.22	16.31 m	120.68 m	111.07 dBu	137.24 m	109.95 dBu
-30°	0.203	0.010	-19.87	8.51 m	102.00 m	106.88 dBu	116.00 m	105.70 dBu
-35°	0.032	0.000	-35.92	1.34 m	88.92 m	92.02 dBu	101.12 m	90.91 dBu
-40°	0.112	0.003	-25.04	4.70 m	79.34 m	103.89 dBu	90.23 m	102.78 dBu
-45°	0.224	0.013	-19.02	9.39 m	72.12 m	110.74 dBu	82.02 m	109.63 dBu
-50°	0.299	0.022	-16.51	12.54 m	66.58 m	113.95 dBu	75.71 m	112.83 dBu
-55°	0.339	0.029	-15.42	14.21 m	62.26 m	115.62 dBu	70.80 m	114.50 dBu
-60°	0.347	0.030	-15.21	14.55 m	58.89 m	116.31 dBu	66.97 m	115.19 dBu
-65°	0.328	0.027	-15.70	13.75 m	56.27 m	116.21 dBu	64.00 m	115.09 dBu
-70°	0.288	0.021	-16.83	12.07 m	54.27 m	115.40 dBu	61.72 m	114.28 dBu
-75°	0.231	0.013	-18.75	9.68 m	52.80 m	113.72 dBu	60.05 m	112.60 dBu
-80°	0.162	0.007	-21.83	6.79 m	51.79 m	110.81 dBu	58.89 m	109.69 dBu
-85°	0.085	0.002	-27.43	3.56 m	51.19 m	105.30 dBu	58.22 m	104.19 dBu
-90°	0.001	0.000	-66.02	0.04 m	51.00 m	66.75 dBu	58.00 m	65.63 dBu

WDGG(FM) +



NED 03 SEC Terrain Database
US Census 2010 PL Database

W231BS.P +

88.45 dBμ F(50:50)

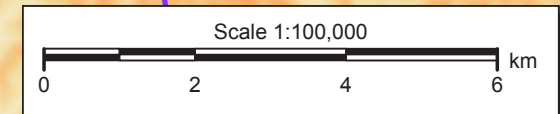


Exhibit 13.8 - Manufacturer's Supplied Vertical Radiation Pattern



Shively Labs

Antenna Mfr.: Shively Labs

Date: 12/29/2004

Antenna Type: 6812B or 6602B 2-Bay, full-wave-spaced

Frequency: 98.1

6812B Gain (Max)

1.00

-0.02 dB

6602B Gain (Max)

2.00

2.98 dB

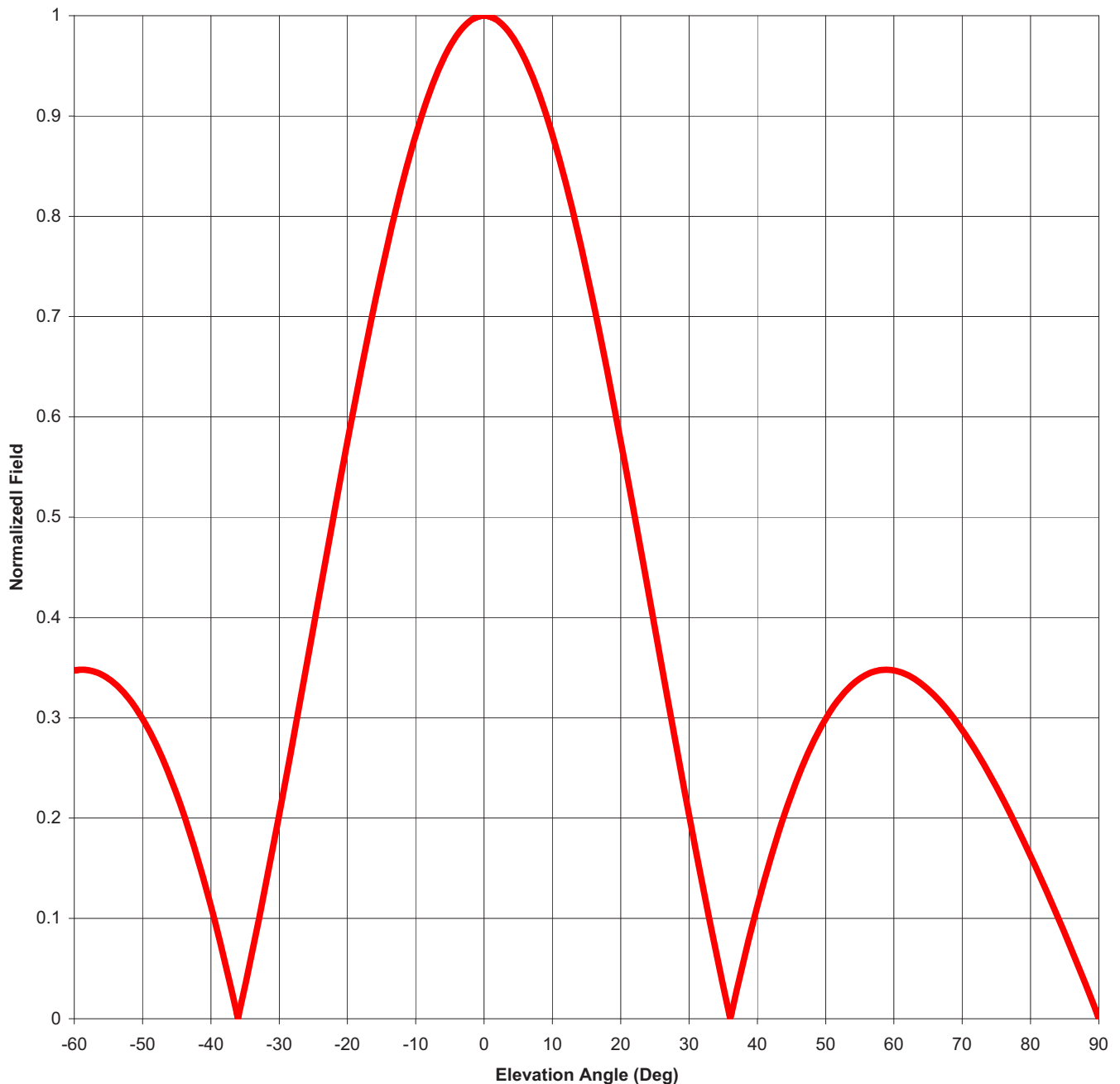


Exhibit 13.8 - Manufacturer's Supplied Vertical Radiation Pattern



Elevation Pattern Tabulation, 6602B and 6812B 2-Bay Full-Wave-Spaced

Relative Field at 0° Depression = 1.000

Degrees	Rel. Field
1	0.999
2	0.995
3	0.989
4	0.980
5	0.969
6	0.956
7	0.941
8	0.923
9	0.903
10	0.881
11	0.858
12	0.832
13	0.805
14	0.776
15	0.745
16	0.714
17	0.681
18	0.647

Degrees	Rel. Field
19	0.612
20	0.576
21	0.539
22	0.502
23	0.465
24	0.427
25	0.389
26	0.352
27	0.314
28	0.277
29	0.240
30	0.203
31	0.168
32	0.132
33	0.098
34	0.065
35	0.032
36	0.001

Degrees	Rel. Field
37	0.029
38	0.058
39	0.086
40	0.112
41	0.137
42	0.161
43	0.183
44	0.204
45	0.224
46	0.242
47	0.258
48	0.273
49	0.287
50	0.299
51	0.310
52	0.319
53	0.327
54	0.334

Degrees	Rel. Field
55	0.339
56	0.343
57	0.346
58	0.348
59	0.348
60	0.347
61	0.345
62	0.343
63	0.339
64	0.334
65	0.328
66	0.322
67	0.315
68	0.306
69	0.298
70	0.288
71	0.278
72	0.267

Degrees	Rel. Field
73	0.256
74	0.244
75	0.231
76	0.218
77	0.205
78	0.191
79	0.177
80	0.162
81	0.148
82	0.132
83	0.117
84	0.101
85	0.085
86	0.069
87	0.052
88	0.036
89	0.018
90	0.000