

Exhibit 13 Page 1
VCY America, Inc.
Identification of Facilities
Appleton, WI

CALL FORMAT LATITUDE	ST	CITY ARN LONGITUDE	FREQ OWNER HAAT:m AMSL:m	CHN	CL	ERP	STAT
Proposed	WI	APPLETON	97.30000		D	36.00	LIC
Unknown or New	CP	BLFT-20181022	ACE	VCY AMERICA, INC.			
44-15-16.0	N	88-26-12.6 W	72.550	305.000			
W250CO	WI	APPLETON	97.90000		D	38.00	LIC
Unknown or New	CP	BLFT-20181022	ACE	VCY AMERICA, INC.			
44-15-37.0	N	88-21-59.6 W	20.923	282.000			
WWWX	WI	OSHKOSH	96.90000		A	6000.00	LIC
Unknown or New	CP	BLH-19911129	KB	CUMULUS LICENSING LLC			
44-06-01.0	N	88-32-02.0 W	63.314	333.000			
WTAQ-FM	WI	GLENMORE	97.50000		A	3000.00	LIC
Unknown or New	CP	BLH-20100209	AAC	MIDWEST COMMUNICATIONS, INC.			
44-24-21.0	N	88-00-19.0 W	115.459	371.000			
W247AS	WI	NEW LONDON	97.30000		D	10.00	LIC
Unknown or New	CP	BLFT-20070402	JTS	EDUCATIONAL MEDIA FOUNDATION			
44-25-02.0	N	88-47-45.0 W	112.144	391.000			
W300CM	WI	APPLETON	107.90000		D	90.00	LIC
Unknown or New	CP	BLFT-20161114	AAB	DAVID R. MAGNUM			
44-13-56.0	N	88-28-05.0 W	-9.052	264.000			
WRNW	WI	MILWAUKEE	97.30000		B	15500.00	LIC
Unknown or New	CP	BLH-19840925	DP	CAPSTAR TX, LLC, AS DEBTOR IN POSSESSION			
43-06-41.0	N	87-55-38.0 W	261.939	491.000			
WFDL-FM	WI	LOMIRA	97.70000		C3	17500.00	LIC
Unknown or New	CP	BLH-20020422	AAE	RADIO PLUS, INC.			
43-39-14.0	N	88-26-25.0 W	84.690	421.000			
WHDG	WI	RHINELANDER	97.30000		C1	100000.00	LIC
Unknown or New	CP	BLH-20090720	AAZ	RAVEN LICENSE SUB, LLC			
45-22-50.0	N	89-11-22.0 W	99.325	664.000			
WSPT	WI	STEVENS POINT	97.90000		C1	100000.00	LIC
Unknown or New	CP	BLH-19961015	KB	MUZZY BROADCAST GROUP, LLC			
44-32-17.0	N	89-35-43.0 W	54.448	436.000			
W247BX	WI	MARINETTE	97.30000		D	250.00	LIC
Unknown or New	CP	BLFT-20160909	ABL	CORNERSTONE COMMUNITY RADIO, INC.			
45-08-56.0	N	87-41-41.0 W	-21.332	211.000			

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W246DY	WI	TWO RIVERS	97.10000	D	250.00	CP
Unknown or New CP BNPFT-20181102AAW SEEHAFFER BROADCASTING CORP						
44-07-31.0	N	87-37-41.0 W	80.033	303.000		
W247CY	WI	BARABOO	97.30000	D	250.00	CP
Unknown or New CP BNPFT-20171201AEB MAGNUM COMMUNICATIONS, INC.						
43-28-16.0	N	89-44-32.0 W	-41.240	300.000		
WBDK	WI	ALGOMA	96.70000	C3	8000.00	LIC
Unknown or New CP BLH-19991012AAX NICOLET BROADCASTING, INC.						
44-42-26.0	N	87-24-26.0 W	130.627	360.000		
WHTQ	WI	WHITING	96.70000	C2	26500.00	LIC
Unknown or New CP BLH-20090713ABV NRG LICENSE SUB, LLC						
44-38-39.0	N	89-51-12.0 W	155.447	559.000		
W250CV	WI	GREEN BAY	97.90000	D	250.00	CP
Unknown or New CP BNPFT-20180425ABA WTRW, INC.						
44-24-21.0	N	88-00-18.6 W	107.993	365.000		
W247CI	WI	MIDDLETON	97.30000	D	40.00	LIC
Unknown or New CP BLFT-20161102ABJ IMMACULATE HEART MEDIA, INC.						
43-05-21.8	N	89-31-44.1 W	-1.621	340.000		
W245BS	WI	GREEN BAY	96.90000	D	120.00	LIC
Unknown or New CP BLFT-20100226AFF REYNOLDS, DEL M						
44-30-04.0	N	88-00-45.0 W	-7.711	227.000		
WHDG	WI	RHINELANDER	97.30000	C1	500.00	APP
Unknown or New CP BSTA-20180319BNE RAVEN LICENSE SUB, LLC						
45-37-42.0	N	89-23-38.0 W	2.309	550.000		
W248DE	WI	WISCONSIN RAPIDS	97.50000	D	250.00	CP
Unknown or New CP BNPFT-20180425AAE SEEHAFFER BROADCASTING CORP						
44-24-55.0	N	89-50-09.0 W	61.844	435.000		
WCOW-FM	WI	SPARTA	97.10000	C1	100000.00	LIC
Unknown or New CP BLH-19881215KB SPARTA-TOMAH BROADCASTING CO., INC.						
43-58-06.0	N	90-51-35.0 W	144.755	465.000		
WWDV	IL	ZION	96.90000	B	50000.00	LIC
Unknown or New CP BMLH-20131121AIN CHICAGO FCC LICENSE SUB, LLC						
42-30-35.0	N	87-53-11.0 W	125.933	360.000		
WZOK	IL	ROCKFORD	97.50000	B	50000.00	LIC
Unknown or New CP BLH-20070731ALC TOWNSQUARE MEDIA ROCKFORD LICENSE, LLC						
42-16-45.0	N	89-02-15.0 W	102.337	377.800		

Exhibit 13 Page 3
VCY America, Inc.
Identification of Facilities
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WQDC WI STURGEON BAY 97.70000 A 1850.00 LIC
Unknown or New CP BLH-19960422KC CASE COMMUNICATIONS LLC
44-54-14.0 N 87-22-13.0 W 154.542 378.000

WGLQ MI ESCANABA 97.10000 C0 100000.00 LIC
Unknown or New CP BLH-19820713AB AMC PARTNERS ESCANABA, LLC
46-08-04.0 N 86-56-52.0 W 293.071 577.000

Terrain Data is calculated using USGS 3 ARC Second Data.

Exhibit 13 Page 4
VCY America, Inc.
Interference Area
Appleton, WI

The proposed translator will broadcast on 247, which is within the 60 dBu contour of second adjacent station, WWWX on channel 245, Fac ID 50052. WWWX's interfering contour at the translator site is 68.2 dBu F(50,50). Using the ratio of 100:1 (translator to WWWX) on the second adjacent channel, the population within the proposed translator's 108.2 dBu contours is 0 (zero). Applying the antenna manufacturer's vertical radiation pattern the area of interference is able to be more accurately calculated geometrically than just by using the free space equation alone. This particular antenna is a two bay Bext TFC2K-D. It was determined from the manufacturer's vertical plan that at 55 degrees below horizontal the interference area extend 57.3 meters toward the ground. We have proposed the antenna radiation center will be 61 meters above ground with an Effective Radiated Power of 36 watts, thus the interference area will never reach the ground. There are no occupied structures or elevated roadways within the interference area of the translator.

Therefore, the application is in compliance with the following: §74.1204 (d) "The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable."

Allocation Study

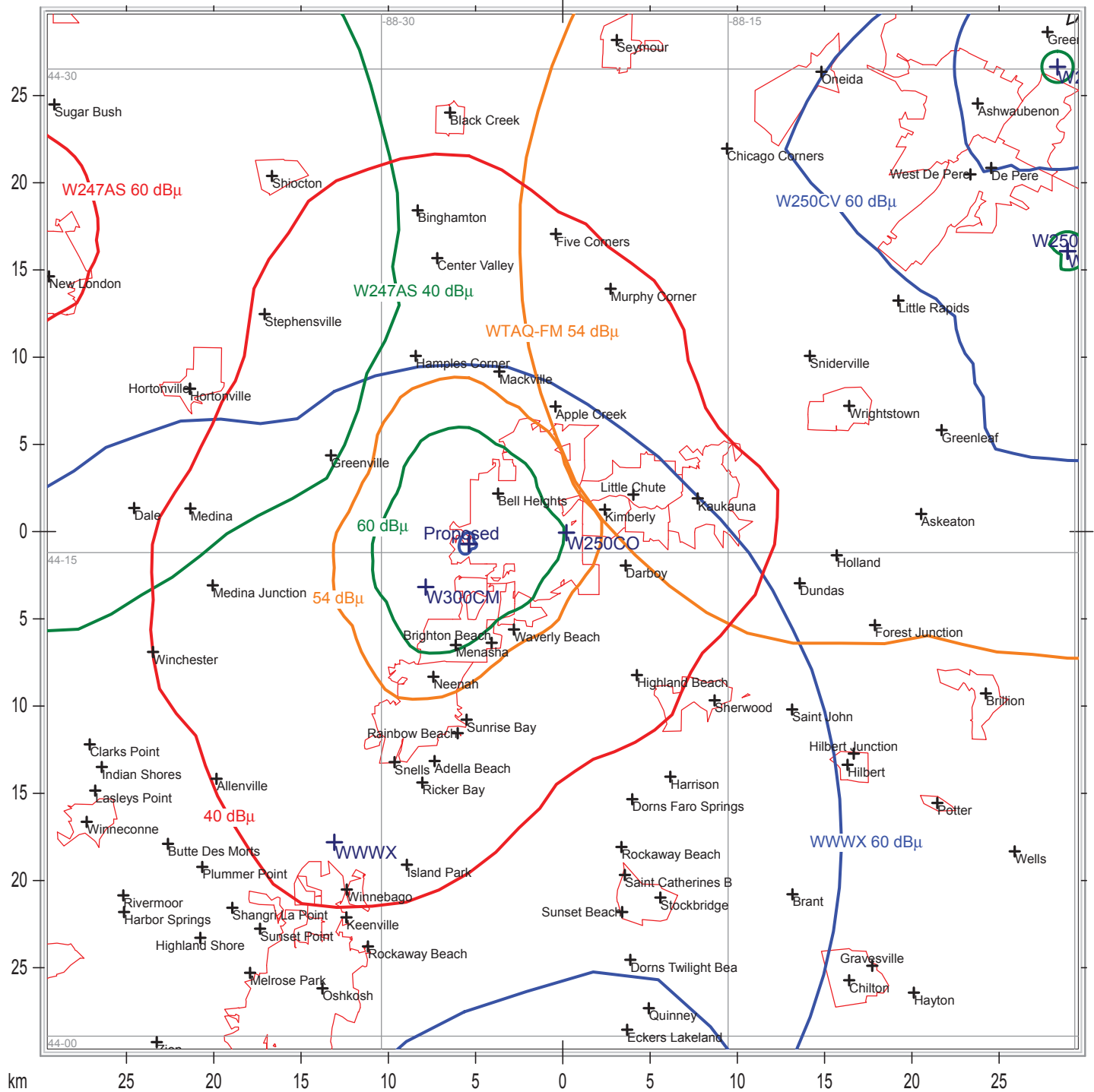


Exhibit 13 Figure 1
VCY America, Inc
Allocation Study
Appleton, WI

State Borders City Borders Lat/Lon Grid

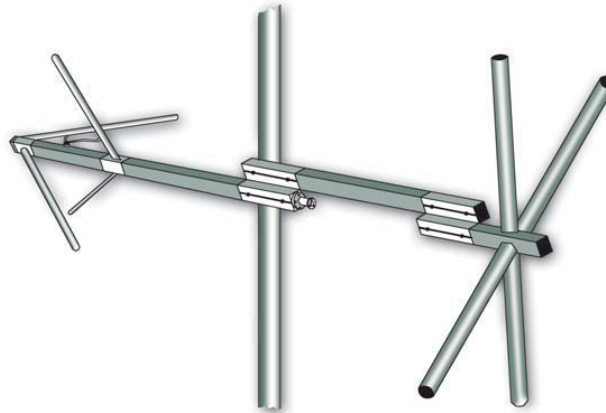
Exhibit 13 Figure 2

Minimum Ground Clearance

Depression Angle Below Horizontal	Antenna Relative Field	ERP (Watts)	Distance to interfering Contour from Antenna (m)	Horizontal Distance of Interfering contour from tower (m)	Vertical Clearance of Interfering contour above TGL (m)
5	0.995	35.6	163	162.4	46.8
10	0.899	29.1	147	144.8	35.5
15	0.716	18.5	117	113.0	30.7
20	0.524	9.9	86	80.8	31.6
25	0.352	4.5	58	52.6	36.5
30	0.201	1.5	33	28.6	44.5
35	0.360	4.7	59	48.3	27.2
40	0.139	0.7	23	17.6	46.2
45	0.293	3.1	48	33.9	27.1
50	0.395	5.6	65	41.8	11.2
55	0.427	6.6	70	40.2	3.7
60	0.400	5.8	66	33.0	3.8
65	0.337	4.1	55	23.2	11.2
70	0.268	2.6	44	15.0	19.7
75	0.212	1.6	35	9.1	27.2
80	0.185	1.2	30	5.2	31.5
85	0.182	1.2	30	2.6	31.1
90	0.159	0.9	26	0.0	35.0
Minimum Clearance above TGL:					3.7 m

2 Bay TFC2K-D 98.1MHz

November 2015



General data of antenna System

TX station	
Site Name	
System of coordinates	WGS84
Longitude	
Latitude	
Ground level a.s.l. (m)	1.0
Antenna system height (m)	20.0
Transmitter power(Watt)	1.000
Carrier wave frequency (MHz)	98.100
Antenna system central frequency (MHz)	98.100
Antenna base diagrams type 1	TFC2K-D
Polarization (H/V/C/X)	C
Transmitting cable attenuation (dB)	0.0
Additional attenuations(dB)	0.0
Base diagrams sectors (T = All, F = Front)	T
Velocity factor of cables to Antennas (0÷1)	1.00
Coordinate System(C = cartesian, P = polar)	P
Mast side / diameter(cm)	0.0
Mast cross section (T/Q/C)	Q
Structure rotation w.r.t. North (°)	0.0
Mast rotation w.r.t. North (°)	0.0

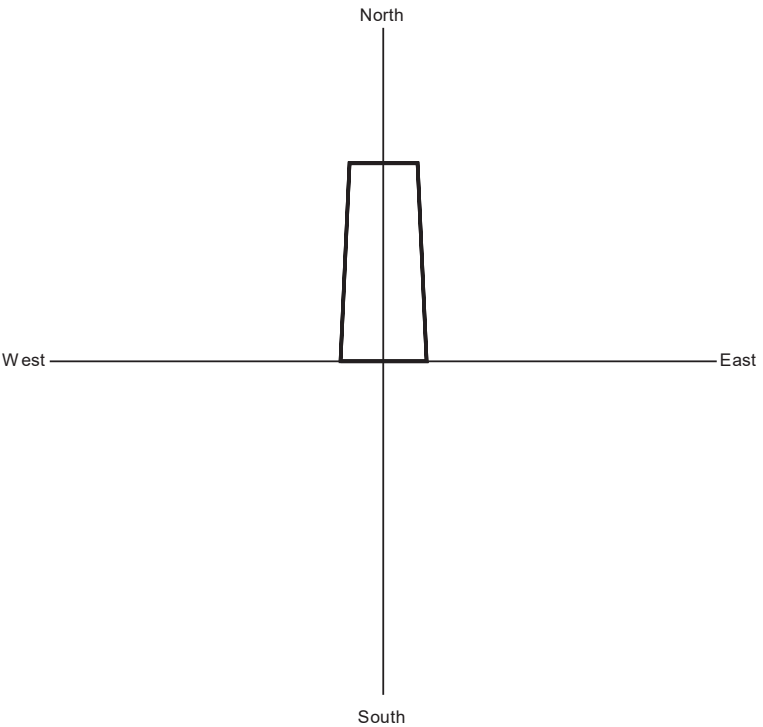
Information about antennas used in the System

	Antenna
Manufacturer	Telecom
Antenna model	TFC2K-D
Band start(MHz)	87
Band stop(MHz)	108
diagrams Frequency(MHz)	98.10
Polariz (H/V/C/X)	C
Vertical dist (cm)	260
Height (cm)	95
Width (cm)	95
Thickness (cm)	220
Weight (Kg)	20
Maximum power (KW)	3
Gain (dBd)	-1.69
North E.C. (cm)	0
East E.C. (cm)	0
Return loss (dB)	0
R.C.Phase (°)	0

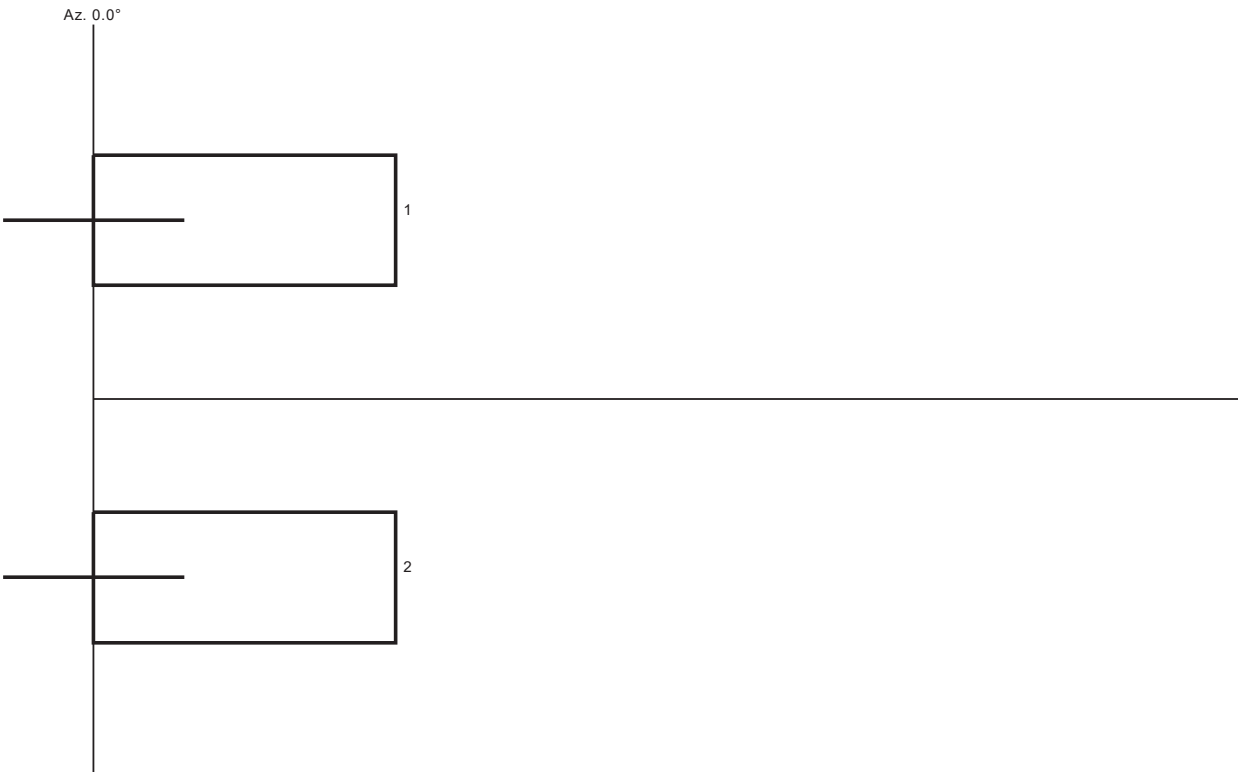
Geometrical and electrical data of antenna System

	<i>Power (%)</i>	<i>Tilt (°)</i>	<i>Az. (°/N)</i>	<i>Phase (°)</i>	<i>V dist. (m)</i>	<i>Scr-d (cm)</i>	<i>Scr-Az (°/N)</i>	<i>Rot. (1÷4)</i>	<i>Type (1÷2)</i>	<i>L cables (cm)</i>	<i>Car. phase (°)</i>
1	50.000	0	0	0 +0.0	1.30	0.0	0.0	1	1	0.0	0.0
2	50.000	0	0	0 +0.0	-1.30	0.0	0.0	1	1	0.0	0.0

Plan of antenna system



Side of antenna system



Antennas arrays data

Note: calculation of single antennas arrays data (without taking into account mutual effects)

A. Antennas array azimuth (°/N)	0
B. Number of antennas	2
C. Nominal power supply (W)	1.00
D. Losses (addit. + cables) (dB)	0.0
E. Effective power supply (W)	1.00
F. Theor. maximum gain (dBd)	1.32
G. Distribution losses (dB)	0.00
H. Nominal max gain F - G (dBd)	1.32
I. Compensation losses (dB)	0.31
J. Effec. max gain H - I (dBd)	1.01
K. Effec. max gain (times)	1.26
L. Effec. max power E * K (KW)	0.0013
M. Max power depr. angle (°)	3.7
N. Max power az. angle (°)	291

Diagram in dBK calculated at horizon

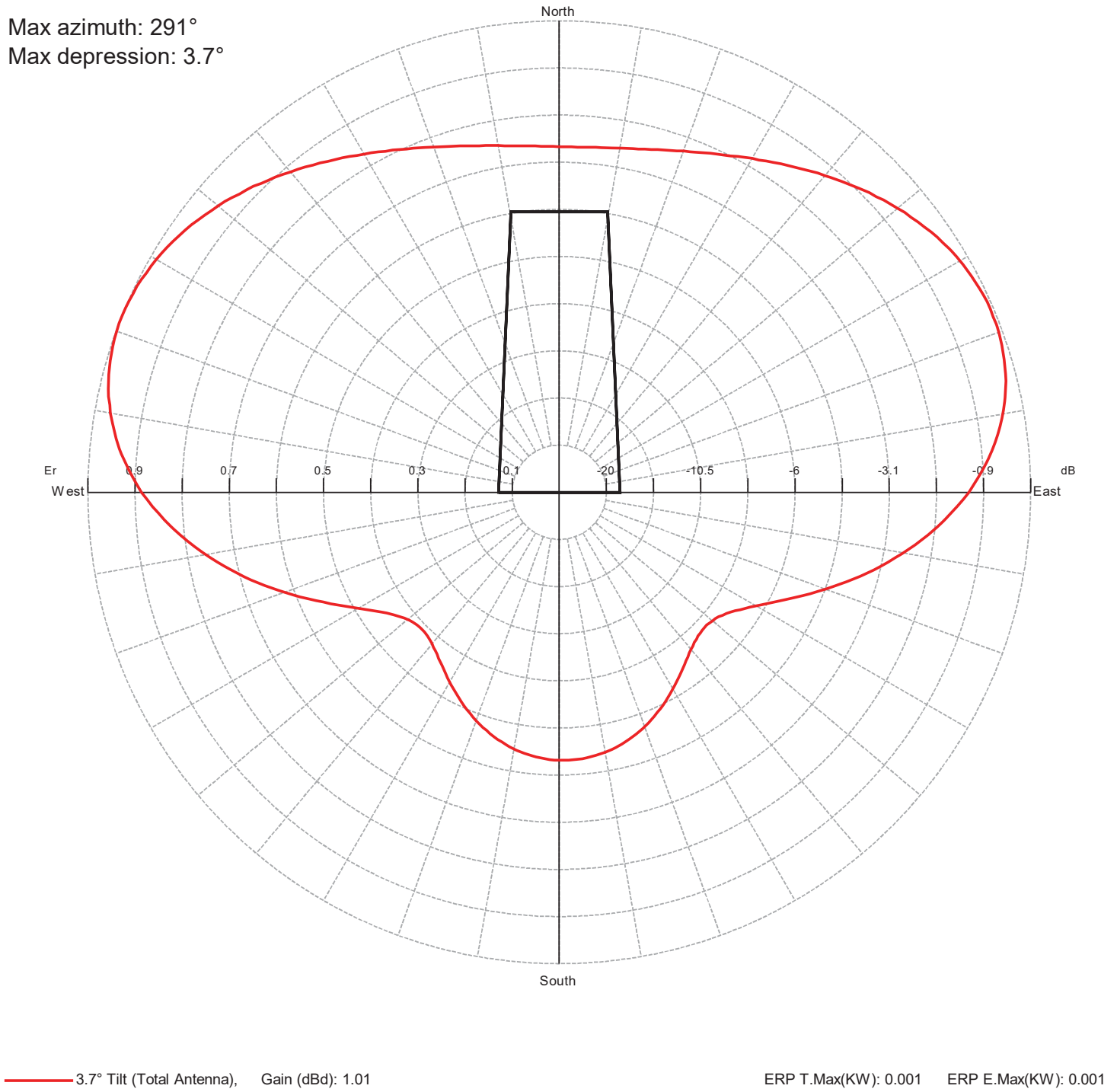
Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	-31.9	90	-30.5	180	-33.9	270	-30.3
10	-31.8	100	-31.8	190	-34.1	280	-29.5
20	-31.5	110	-33.6	200	-34.8	290	-29.2
30	-31.0	120	-35.5	210	-35.7	300	-29.3
40	-30.4	130	-36.6	220	-36.6	310	-29.7
50	-29.8	140	-36.3	230	-36.7	320	-30.3
60	-29.4	150	-35.4	240	-35.3	330	-30.9
70	-29.3	160	-34.5	250	-33.3	340	-31.4
80	-29.6	170	-34.0	260	-31.6	350	-31.8

Diagram in dBK calculated at horizon (without -20dB's lower limit vs maximum power)

Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK	Az. (°/N)	dBK
0	-31.9	90	-30.5	180	-33.9	270	-30.3
10	-31.8	100	-31.8	190	-34.1	280	-29.5
20	-31.5	110	-33.6	200	-34.8	290	-29.2
30	-31.0	120	-35.5	210	-35.7	300	-29.3
40	-30.4	130	-36.6	220	-36.6	310	-29.7
50	-29.8	140	-36.3	230	-36.7	320	-30.3
60	-29.4	150	-35.4	240	-35.3	330	-30.9
70	-29.3	160	-34.5	250	-33.3	340	-31.4
80	-29.6	170	-34.0	260	-31.6	350	-31.8

Horizontal diagram of Maxima

Max azimuth: 291°
Max depression: 3.7°



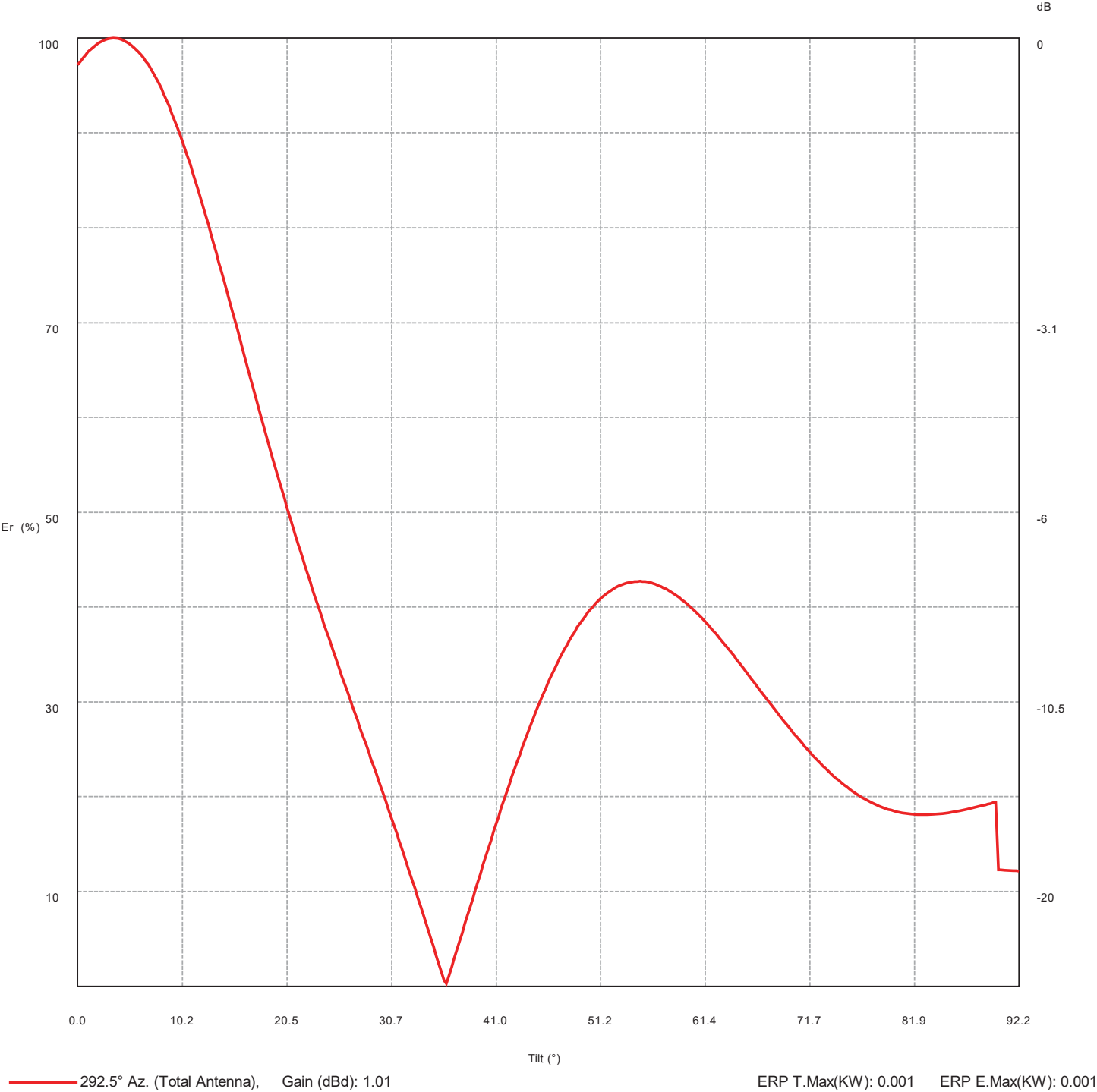
Horizontal diagram of Maxima

Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)
0.0	3.5	73.3	0.7	60.0	3.5	98.2	1.2	120.0	3.0	48.2	0.3
1.0	3.5	73.3	0.7	61.0	3.5	98.4	1.2	121.0	3.0	47.3	0.3
2.0	3.5	73.3	0.7	62.0	3.5	98.6	1.2	122.0	3.0	46.5	0.3
3.0	3.5	73.3	0.7	63.0	3.5	98.9	1.2	123.0	3.0	45.7	0.3
4.0	3.5	73.4	0.7	64.0	3.5	99.1	1.2	124.0	3.0	45.0	0.3
5.0	3.5	73.4	0.7	65.0	3.5	99.2	1.2	125.0	3.0	44.4	0.2
6.0	3.5	73.5	0.7	66.0	3.5	99.3	1.2	126.0	3.0	43.8	0.2
7.0	3.5	73.6	0.7	67.0	3.5	99.3	1.2	127.0	3.0	43.4	0.2
8.0	3.5	73.8	0.7	68.0	3.5	99.3	1.2	128.0	3.0	42.9	0.2
9.0	3.5	73.9	0.7	69.0	3.5	99.3	1.2	129.0	3.0	42.6	0.2
10.0	3.5	74.1	0.7	70.0	3.5	99.2	1.2	130.0	3.0	42.4	0.2
11.0	3.5	74.3	0.7	71.0	3.5	99.1	1.2	131.0	3.0	42.2	0.2
12.0	3.5	74.5	0.7	72.0	3.5	98.9	1.2	132.0	3.0	42.1	0.2
13.0	3.5	74.7	0.7	73.0	3.5	98.6	1.2	133.0	3.0	42.1	0.2
14.0	3.5	75.0	0.7	74.0	3.5	98.3	1.2	134.0	3.0	42.2	0.2
15.0	3.5	75.2	0.7	75.0	3.5	97.9	1.2	135.0	3.0	42.2	0.2
16.0	3.5	75.6	0.7	76.0	3.5	97.6	1.2	136.0	3.0	42.4	0.2
17.0	3.5	75.9	0.7	77.0	3.5	97.2	1.2	137.0	3.0	42.6	0.2
18.0	3.5	76.2	0.7	78.0	3.5	96.7	1.2	138.0	3.0	42.9	0.2
19.0	3.5	76.6	0.7	79.0	3.5	96.2	1.2	139.0	3.0	43.2	0.2
20.0	3.5	77.0	0.7	80.0	3.5	95.5	1.2	140.0	3.0	43.5	0.2
21.0	3.5	77.4	0.8	81.0	3.5	94.8	1.1	141.0	2.5	43.9	0.2
22.0	3.5	77.8	0.8	82.0	3.5	94.2	1.1	142.0	2.5	44.3	0.2
23.0	3.5	78.3	0.8	83.0	3.5	93.4	1.1	143.0	2.5	44.7	0.3
24.0	3.5	78.7	0.8	84.0	3.5	92.7	1.1	144.0	2.5	45.2	0.3
25.0	3.5	79.2	0.8	85.0	3.5	91.8	1.1	145.0	2.5	45.7	0.3
26.0	3.5	79.6	0.8	86.0	3.5	90.9	1.0	146.0	2.5	46.2	0.3
27.0	3.5	80.1	0.8	87.0	3.5	89.9	1.0	147.0	2.5	46.6	0.3
28.0	3.5	80.6	0.8	88.0	3.5	88.9	1.0	148.0	2.0	47.1	0.3
29.0	3.5	81.2	0.8	89.0	3.5	87.9	1.0	149.0	2.0	47.7	0.3
30.0	3.5	81.7	0.8	90.0	3.5	86.9	1.0	150.0	2.0	48.2	0.3
31.0	3.5	82.2	0.9	91.0	3.5	85.7	0.9	151.0	2.0	48.7	0.3
32.0	3.5	82.8	0.9	92.0	3.5	84.5	0.9	152.0	2.0	49.2	0.3
33.0	3.5	83.4	0.9	93.0	3.5	83.3	0.9	153.0	2.0	49.7	0.3
34.0	3.5	84.0	0.9	94.0	3.5	82.1	0.9	154.0	2.0	50.2	0.3
35.0	3.5	84.6	0.9	95.0	3.5	80.8	0.8	155.0	2.0	50.7	0.3
36.0	3.5	85.2	0.9	96.0	3.5	79.5	0.8	156.0	2.0	51.1	0.3
37.0	3.5	85.8	0.9	97.0	3.5	78.2	0.8	157.0	2.0	51.6	0.3
38.0	3.5	86.4	0.9	98.0	3.5	76.8	0.7	158.0	1.5	52.1	0.3
39.0	3.5	87.1	1.0	99.0	3.5	75.4	0.7	159.0	1.5	52.5	0.3
40.0	3.5	87.7	1.0	100.0	3.5	74.1	0.7	160.0	1.5	52.9	0.4
41.0	3.5	88.3	1.0	101.0	3.5	72.7	0.7	161.0	1.5	53.3	0.4
42.0	3.5	88.9	1.0	102.0	3.5	71.3	0.6	162.0	1.5	53.7	0.4
43.0	3.5	89.5	1.0	103.0	3.5	70.0	0.6	163.0	1.5	54.1	0.4
44.0	3.5	90.2	1.0	104.0	3.5	68.6	0.6	164.0	1.5	54.4	0.4
45.0	3.5	90.8	1.0	105.0	3.5	67.1	0.6	165.0	1.0	54.7	0.4
46.0	3.5	91.4	1.1	106.0	3.5	65.7	0.5	166.0	1.0	55.0	0.4
47.0	3.5	91.9	1.1	107.0	3.5	64.3	0.5	167.0	1.0	55.3	0.4
48.0	3.5	92.6	1.1	108.0	3.5	62.8	0.5	168.0	1.0	55.6	0.4
49.0	3.5	93.1	1.1	109.0	3.5	61.5	0.5	169.0	1.0	55.8	0.4
50.0	3.5	93.6	1.1	110.0	3.5	60.1	0.5	170.0	1.0	56.0	0.4
51.0	3.5	94.3	1.1	111.0	3.5	58.7	0.4	171.0	1.0	56.2	0.4
52.0	3.5	94.7	1.1	112.0	3.0	57.4	0.4	172.0	1.0	56.3	0.4
53.0	3.5	95.3	1.1	113.0	3.0	56.1	0.4	173.0	1.0	56.5	0.4
54.0	3.5	95.7	1.2	114.0	3.0	54.8	0.4	174.0	1.0	56.6	0.4
55.0	3.5	96.3	1.2	115.0	3.0	53.6	0.4	175.0	1.0	56.7	0.4
56.0	3.5	96.7	1.2	116.0	3.0	52.4	0.3	176.0	1.0	56.8	0.4
57.0	3.5	97.0	1.2	117.0	3.0	51.3	0.3	177.0	1.0	56.9	0.4
58.0	3.5	97.5	1.2	118.0	3.0	50.2	0.3	178.0	1.0	56.9	0.4
59.0	3.5	97.8	1.2	119.0	3.0	49.2	0.3	179.0	-1.0	56.9	0.4

Horizontal diagram of Maxima

Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)
180.0	-1.0	56.9	0.4	240.0	3.0	49.3	0.3	300.0	3.5	98.7	1.2
181.0	-1.0	56.8	0.4	241.0	3.0	50.3	0.3	301.0	3.5	98.4	1.2
182.0	1.0	56.7	0.4	242.0	3.0	51.5	0.3	302.0	3.5	98.1	1.2
183.0	1.0	56.6	0.4	243.0	3.0	52.7	0.4	303.0	3.5	97.7	1.2
184.0	1.0	56.5	0.4	244.0	3.0	54.0	0.4	304.0	3.5	97.3	1.2
185.0	1.0	56.4	0.4	245.0	3.0	55.2	0.4	305.0	3.5	96.9	1.2
186.0	1.0	56.2	0.4	246.0	3.0	56.5	0.4	306.0	3.5	96.5	1.2
187.0	1.0	56.0	0.4	247.0	3.0	57.9	0.4	307.0	3.5	95.9	1.2
188.0	1.0	55.8	0.4	248.0	3.0	59.3	0.4	308.0	3.5	95.5	1.2
189.0	1.0	55.6	0.4	249.0	3.5	60.6	0.5	309.0	3.5	94.9	1.1
190.0	1.0	55.3	0.4	250.0	3.5	62.1	0.5	310.0	3.5	94.5	1.1
191.0	1.0	55.0	0.4	251.0	3.5	63.5	0.5	311.0	3.5	94.0	1.1
192.0	1.0	54.7	0.4	252.0	3.5	64.9	0.5	312.0	3.5	93.4	1.1
193.0	1.0	54.4	0.4	253.0	3.5	66.4	0.6	313.0	3.5	92.8	1.1
194.0	1.0	54.0	0.4	254.0	3.5	67.8	0.6	314.0	3.5	92.3	1.1
195.0	1.5	53.7	0.4	255.0	3.5	69.2	0.6	315.0	3.5	91.7	1.1
196.0	1.5	53.3	0.4	256.0	3.5	70.6	0.6	316.0	3.5	91.1	1.0
197.0	1.5	52.9	0.4	257.0	3.5	72.0	0.7	317.0	3.5	90.5	1.0
198.0	1.5	52.5	0.3	258.0	3.5	73.4	0.7	318.0	3.5	89.9	1.0
199.0	1.5	52.0	0.3	259.0	3.5	74.8	0.7	319.0	3.5	89.3	1.0
200.0	1.5	51.6	0.3	260.0	3.5	76.2	0.7	320.0	3.5	88.7	1.0
201.0	1.5	51.1	0.3	261.0	3.5	77.5	0.8	321.0	3.5	88.1	1.0
202.0	2.0	50.6	0.3	262.0	3.5	78.9	0.8	322.0	3.5	87.5	1.0
203.0	2.0	50.1	0.3	263.0	3.5	80.1	0.8	323.0	3.5	86.9	1.0
204.0	2.0	49.6	0.3	264.0	3.5	81.5	0.8	324.0	3.5	86.3	0.9
205.0	2.0	49.1	0.3	265.0	3.5	82.7	0.9	325.0	3.5	85.7	0.9
206.0	2.0	48.6	0.3	266.0	3.5	84.0	0.9	326.0	3.5	85.1	0.9
207.0	2.0	48.0	0.3	267.0	3.5	85.2	0.9	327.0	3.5	84.5	0.9
208.0	2.0	47.5	0.3	268.0	3.5	86.4	0.9	328.0	3.5	83.9	0.9
209.0	2.0	47.0	0.3	269.0	3.5	87.5	1.0	329.0	3.5	83.4	0.9
210.0	2.0	46.5	0.3	270.0	3.5	88.6	1.0	330.0	3.5	82.8	0.9
211.0	2.0	45.9	0.3	271.0	3.5	89.6	1.0	331.0	3.5	82.3	0.9
212.0	2.5	45.4	0.3	272.0	3.5	90.6	1.0	332.0	3.5	81.7	0.8
213.0	2.5	44.9	0.3	273.0	3.5	91.5	1.1	333.0	3.5	81.2	0.8
214.0	2.5	44.4	0.2	274.0	3.5	92.4	1.1	334.0	3.5	80.7	0.8
215.0	2.5	43.9	0.2	275.0	3.5	93.2	1.1	335.0	3.5	80.2	0.8
216.0	2.5	43.5	0.2	276.0	3.5	94.0	1.1	336.0	3.5	79.7	0.8
217.0	2.5	43.1	0.2	277.0	3.5	94.7	1.1	337.0	3.5	79.2	0.8
218.0	2.5	42.7	0.2	278.0	3.5	95.4	1.1	338.0	3.5	78.8	0.8
219.0	3.0	42.3	0.2	279.0	3.5	96.0	1.2	339.0	3.5	78.3	0.8
220.0	3.0	42.0	0.2	280.0	3.5	96.7	1.2	340.0	3.5	77.9	0.8
221.0	3.0	41.7	0.2	281.0	3.5	97.2	1.2	341.0	3.5	77.5	0.8
222.0	3.0	41.5	0.2	282.0	3.5	97.7	1.2	342.0	3.5	77.1	0.7
223.0	3.0	41.3	0.2	283.0	3.5	98.2	1.2	343.0	3.5	76.7	0.7
224.0	3.0	41.2	0.2	284.0	3.5	98.5	1.2	344.0	3.5	76.4	0.7
225.0	3.0	41.2	0.2	285.0	3.5	98.9	1.2	345.0	3.5	76.0	0.7
226.0	3.0	41.2	0.2	286.0	3.5	99.2	1.2	346.0	3.5	75.7	0.7
227.0	3.0	41.3	0.2	287.0	3.5	99.4	1.2	347.0	3.5	75.4	0.7
228.0	3.0	41.4	0.2	288.0	3.5	99.7	1.3	348.0	3.5	75.2	0.7
229.0	3.0	41.7	0.2	289.0	3.5	99.8	1.3	349.0	3.5	74.9	0.7
230.0	3.0	42.0	0.2	290.0	3.5	99.9	1.3	350.0	3.5	74.6	0.7
231.0	3.0	42.4	0.2	291.0	3.7	100.0	1.3	351.0	3.5	74.4	0.7
232.0	3.0	42.8	0.2	292.0	3.5	100.0	1.3	352.0	3.5	74.2	0.7
233.0	3.0	43.4	0.2	293.0	3.5	100.0	1.3	353.0	3.5	74.0	0.7
234.0	3.0	44.0	0.2	294.0	3.5	99.9	1.3	354.0	3.5	73.9	0.7
235.0	3.0	44.7	0.3	295.0	3.5	99.8	1.3	355.0	3.5	73.7	0.7
236.0	3.0	45.5	0.3	296.0	3.5	99.7	1.3	356.0	3.5	73.6	0.7
237.0	3.0	46.3	0.3	297.0	3.5	99.4	1.2	357.0	3.5	73.4	0.7
238.0	3.0	47.2	0.3	298.0	3.5	99.2	1.2	358.0	3.5	73.4	0.7
239.0	3.0	48.2	0.3	299.0	3.5	99.0	1.2	359.0	3.5	73.4	0.7

Vertical diagram at an azimuth of 292.5°



Vertical diagram at an azimuth of 292.5°

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	97.2	1.2	15.4	70.3	0.6	30.7	17.7	0.0
0.3	97.5	1.2	15.6	69.3	0.6	31.0	16.9	0.0
0.5	97.9	1.2	15.9	68.3	0.6	31.2	16.1	0.0
0.8	98.2	1.2	16.1	67.2	0.6	31.5	15.3	0.0
1.0	98.6	1.2	16.4	66.2	0.6	31.7	14.4	0.0
1.3	98.8	1.2	16.6	65.2	0.5	32.0	13.6	0.0
1.5	99.1	1.2	16.9	64.2	0.5	32.3	12.8	0.0
1.8	99.3	1.2	17.2	63.2	0.5	32.5	11.9	0.0
2.0	99.5	1.2	17.4	62.2	0.5	32.8	11.1	0.0
2.3	99.6	1.3	17.7	61.1	0.5	33.0	10.2	0.0
2.6	99.8	1.3	17.9	60.1	0.5	33.3	9.4	0.0
2.8	99.9	1.3	18.2	59.1	0.4	33.5	8.5	0.0
3.1	100.0	1.3	18.4	58.1	0.4	33.8	7.7	0.0
3.3	100.0	1.3	18.7	57.2	0.4	34.0	6.8	0.0
3.6	100.0	1.3	18.9	56.2	0.4	34.3	5.9	0.0
3.8	100.0	1.3	19.2	55.2	0.4	34.6	5.1	0.0
4.1	99.9	1.3	19.5	54.3	0.4	34.8	4.2	0.0
4.4	99.8	1.3	19.7	53.3	0.4	35.1	3.3	0.0
4.6	99.7	1.3	20.0	52.4	0.3	35.3	2.4	0.0
4.9	99.5	1.3	20.2	51.4	0.3	35.6	1.5	0.0
5.1	99.4	1.2	20.5	50.5	0.3	35.8	0.6	0.0
5.4	99.1	1.2	20.7	49.6	0.3	36.1	0.3	0.0
5.6	98.9	1.2	21.0	48.6	0.3	36.4	1.2	0.0
5.9	98.6	1.2	21.2	47.8	0.3	36.6	2.0	0.0
6.1	98.3	1.2	21.5	46.9	0.3	36.9	2.9	0.0
6.4	97.9	1.2	21.8	46.0	0.3	37.1	3.8	0.0
6.7	97.6	1.2	22.0	45.1	0.3	37.4	4.7	0.0
6.9	97.2	1.2	22.3	44.3	0.2	37.6	5.6	0.0
7.2	96.8	1.2	22.5	43.4	0.2	37.9	6.5	0.0
7.4	96.3	1.2	22.8	42.5	0.2	38.1	7.4	0.0
7.7	95.8	1.2	23.0	41.7	0.2	38.4	8.3	0.0
7.9	95.3	1.1	23.3	40.8	0.2	38.7	9.2	0.0
8.2	94.7	1.1	23.6	40.0	0.2	38.9	10.1	0.0
8.4	94.1	1.1	23.8	39.2	0.2	39.2	11.0	0.0
8.7	93.4	1.1	24.1	38.4	0.2	39.4	11.9	0.0
9.0	92.8	1.1	24.3	37.5	0.2	39.7	12.8	0.0
9.2	92.1	1.1	24.6	36.7	0.2	39.9	13.7	0.0
9.5	91.4	1.1	24.8	35.9	0.2	40.2	14.5	0.0
9.7	90.6	1.0	25.1	35.1	0.2	40.4	15.4	0.0
10.0	89.9	1.0	25.3	34.3	0.1	40.7	16.3	0.0
10.2	89.1	1.0	25.6	33.5	0.1	41.0	17.1	0.0
10.5	88.3	1.0	25.9	32.7	0.1	41.2	18.0	0.0
10.8	87.5	1.0	26.1	31.9	0.1	41.5	18.8	0.0
11.0	86.7	0.9	26.4	31.1	0.1	41.7	19.7	0.0
11.3	85.8	0.9	26.6	30.4	0.1	42.0	20.5	0.1
11.5	84.9	0.9	26.9	29.6	0.1	42.2	21.3	0.1
11.8	84.0	0.9	27.1	28.8	0.1	42.5	22.1	0.1
12.0	83.1	0.9	27.4	28.0	0.1	42.8	22.9	0.1
12.3	82.2	0.9	27.6	27.2	0.1	43.0	23.7	0.1
12.5	81.2	0.8	27.9	26.5	0.1	43.3	24.4	0.1
12.8	80.3	0.8	28.2	25.7	0.1	43.5	25.2	0.1
13.1	79.3	0.8	28.4	24.9	0.1	43.8	26.0	0.1
13.3	78.3	0.8	28.7	24.1	0.1	44.0	26.7	0.1
13.6	77.3	0.8	28.9	23.3	0.1	44.3	27.4	0.1
13.8	76.3	0.7	29.2	22.5	0.1	44.5	28.1	0.1
14.1	75.3	0.7	29.4	21.7	0.1	44.8	28.8	0.1
14.3	74.3	0.7	29.7	20.9	0.1	45.1	29.5	0.1
14.6	73.3	0.7	30.0	20.1	0.1	45.3	30.2	0.1
14.8	72.3	0.7	30.2	19.3	0.0	45.6	30.8	0.1
15.1	71.3	0.6	30.5	18.5	0.0	45.8	31.5	0.1

Vertical diagram at an azimuth of 292.5°

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
46.1	32.1	0.1	61.4	38.4	0.2	76.8	19.9	0.0
46.3	32.7	0.1	61.7	38.1	0.2	77.1	19.7	0.0
46.6	33.3	0.1	62.0	37.8	0.2	77.3	19.6	0.0
46.8	33.9	0.1	62.2	37.5	0.2	77.6	19.4	0.0
47.1	34.4	0.1	62.5	37.2	0.2	77.8	19.3	0.0
47.4	35.0	0.2	62.7	36.8	0.2	78.1	19.2	0.0
47.6	35.5	0.2	63.0	36.5	0.2	78.3	19.1	0.0
47.9	36.0	0.2	63.2	36.2	0.2	78.6	18.9	0.0
48.1	36.5	0.2	63.5	35.8	0.2	78.8	18.8	0.0
48.4	36.9	0.2	63.7	35.5	0.2	79.1	18.7	0.0
48.6	37.4	0.2	64.0	35.2	0.2	79.4	18.7	0.0
48.9	37.8	0.2	64.3	34.8	0.2	79.6	18.6	0.0
49.2	38.3	0.2	64.5	34.5	0.1	79.9	18.5	0.0
49.4	38.6	0.2	64.8	34.1	0.1	80.1	18.4	0.0
49.7	39.0	0.2	65.0	33.7	0.1	80.4	18.4	0.0
49.9	39.4	0.2	65.3	33.4	0.1	80.6	18.3	0.0
50.2	39.7	0.2	65.5	33.0	0.1	80.9	18.2	0.0
50.4	40.0	0.2	65.8	32.6	0.1	81.2	18.2	0.0
50.7	40.3	0.2	66.0	32.3	0.1	81.4	18.2	0.0
50.9	40.6	0.2	66.3	31.9	0.1	81.7	18.2	0.0
51.2	40.9	0.2	66.6	31.5	0.1	81.9	18.1	0.0
51.5	41.1	0.2	66.8	31.2	0.1	82.2	18.1	0.0
51.7	41.4	0.2	67.1	30.8	0.1	82.4	18.1	0.0
52.0	41.6	0.2	67.3	30.5	0.1	82.7	18.1	0.0
52.2	41.8	0.2	67.6	30.1	0.1	82.9	18.1	0.0
52.5	41.9	0.2	67.8	29.7	0.1	83.2	18.1	0.0
52.7	42.1	0.2	68.1	29.4	0.1	83.5	18.1	0.0
53.0	42.3	0.2	68.4	29.0	0.1	83.7	18.1	0.0
53.2	42.4	0.2	68.6	28.7	0.1	84.0	18.1	0.0
53.5	42.5	0.2	68.9	28.3	0.1	84.2	18.2	0.0
53.8	42.5	0.2	69.1	28.0	0.1	84.5	18.2	0.0
54.0	42.6	0.2	69.4	27.6	0.1	84.7	18.2	0.0
54.3	42.7	0.2	69.6	27.3	0.1	85.0	18.2	0.0
54.5	42.7	0.2	69.9	26.9	0.1	85.2	18.3	0.0
54.8	42.7	0.2	70.1	26.6	0.1	85.5	18.3	0.0
55.0	42.7	0.2	70.4	26.3	0.1	85.8	18.4	0.0
55.3	42.7	0.2	70.7	25.9	0.1	86.0	18.4	0.0
55.6	42.7	0.2	70.9	25.6	0.1	86.3	18.5	0.0
55.8	42.6	0.2	71.2	25.3	0.1	86.5	18.6	0.0
56.1	42.6	0.2	71.4	25.0	0.1	86.8	18.6	0.0
56.3	42.5	0.2	71.7	24.7	0.1	87.0	18.7	0.0
56.6	42.4	0.2	71.9	24.4	0.1	87.3	18.7	0.0
56.8	42.3	0.2	72.2	24.1	0.1	87.6	18.8	0.0
57.1	42.2	0.2	72.4	23.8	0.1	87.8	18.9	0.0
57.3	42.0	0.2	72.7	23.5	0.1	88.1	18.9	0.0
57.6	41.9	0.2	73.0	23.2	0.1	88.3	19.0	0.0
57.9	41.7	0.2	73.2	22.9	0.1	88.6	19.1	0.0
58.1	41.6	0.2	73.5	22.7	0.1	88.8	19.1	0.0
58.4	41.4	0.2	73.7	22.4	0.1	89.1	19.2	0.0
58.6	41.2	0.2	74.0	22.2	0.1	89.3	19.3	0.0
58.9	41.0	0.2	74.2	21.9	0.1	89.6	19.3	0.0
59.1	40.8	0.2	74.5	21.7	0.1	89.9	19.4	0.0
59.4	40.6	0.2	74.8	21.5	0.1	90.1	12.3	0.0
59.6	40.3	0.2	75.0	21.2	0.1	90.4	12.3	0.0
59.9	40.1	0.2	75.3	21.0	0.1	90.6	12.2	0.0
60.2	39.8	0.2	75.5	20.8	0.1	90.9	12.2	0.0
60.4	39.6	0.2	75.8	20.6	0.1	91.1	12.2	0.0
60.7	39.3	0.2	76.0	20.4	0.1	91.4	12.2	0.0
60.9	39.0	0.2	76.3	20.2	0.1	91.6	12.2	0.0
61.2	38.7	0.2	76.5	20.1	0.1	91.9	12.2	0.0

Exhibit 13 Figure 4
Aerial Photo of the 40.2 meter Vicinity Surrounding the Tower Site

