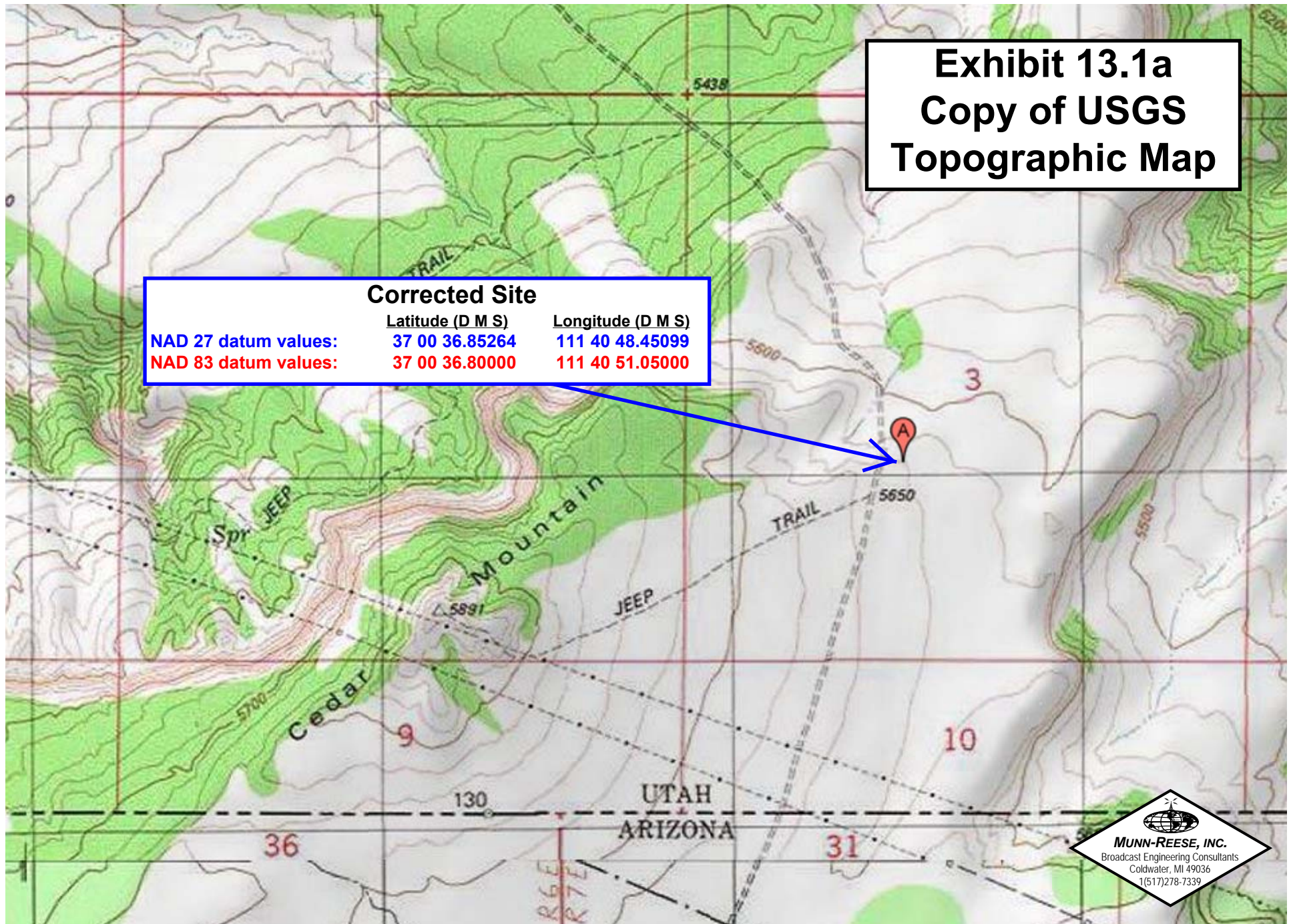


Exhibit 13.1a Copy of USGS Topographic Map

Corrected Site

	Latitude (D M S)	Longitude (D M S)
NAD 27 datum values:	37 00 36.85264	111 40 48.45099
NAD 83 datum values:	37 00 36.80000	111 40 51.05000



MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036
1(517)278-7339

Exhibit 13.1b Copy of USGS Aerial Photograph

Corrected Site

	<u>Latitude (D M S)</u>	<u>Longitude (D M S)</u>
NAD 27 datum values:	37 00 36.85264	111 40 48.45099
NAD 83 datum values:	37 00 36.80000	111 40 51.05000

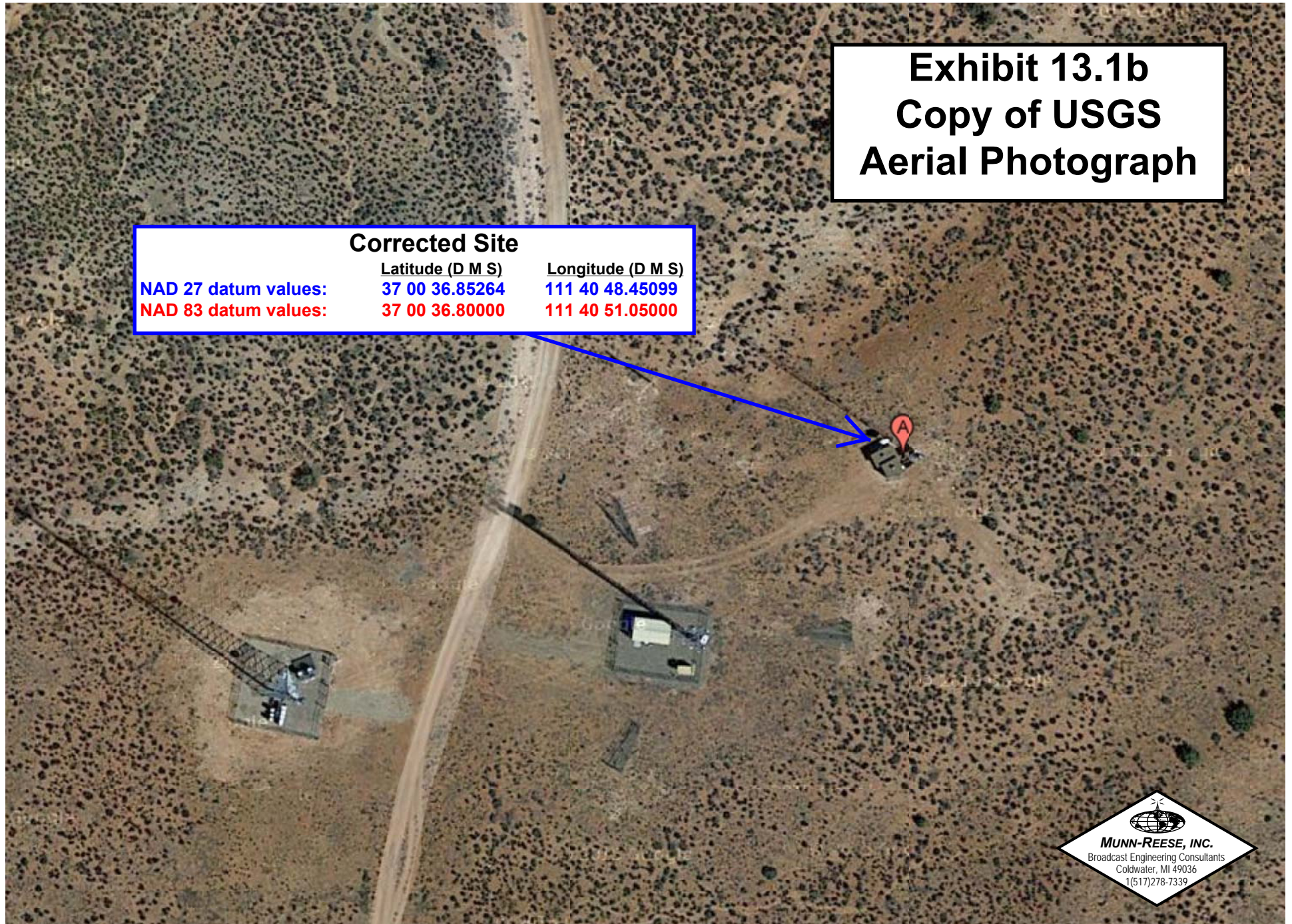


Exhibit 13.2

Vertical Plan of Antenna System

THE SITE IS LOCATED ON TOP OF CEDAR MOUNTAIN;
THE CITY OF BIG WATER; KANE COUNTY; THE STATE OF ARIZONA.

Antenna Structure Registration No.

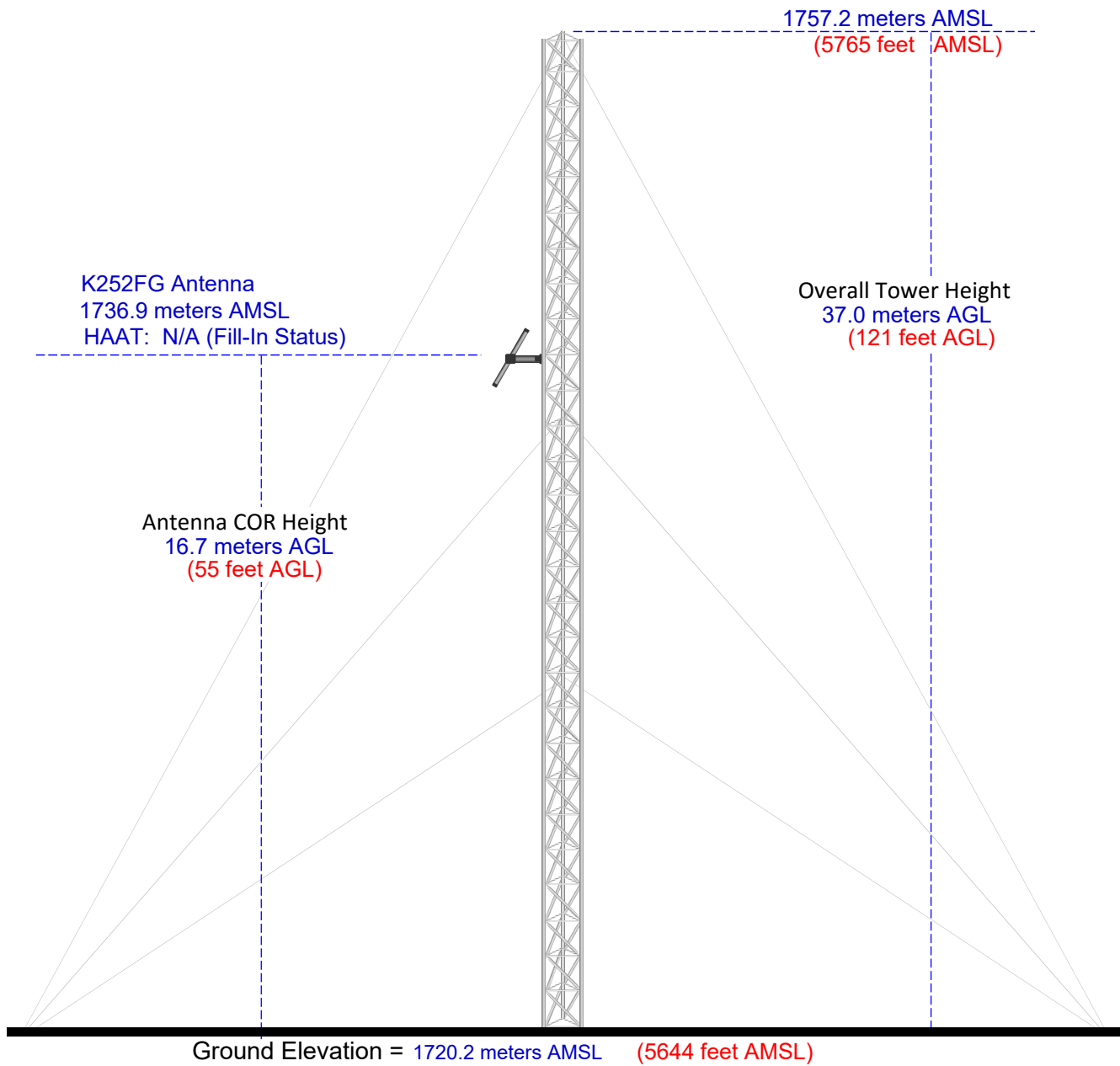
Not Required

Latitude (D M S)

Longitude (D M S)

NAD 27 datum values: 37 00 36.85264 111 40 48.45099

NAD 83 datum values: 37 00 36.80000 111 40 51.05000



Drawing is not to Scale

Munn-Reese, Inc.

Broadcast Engineering Consultants
Coldwater, MI 49036

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



Exhibit 13.3 Present vs Proposed Service Contour Study

K252FG.P
Page, AZ
Proposed Operation
Facility ID: 141431
Latitude: 37-00-37 N
Longitude: 111-40-48 W
ERP: 0.25 kW
Channel: 252D (98.3 MHz)
AMSL Height: 1737.0 m
Horiz. Pattern: Directional

60 dBμ F(50:50) Contour
Total Population: 8,787
Coverage Area: 1,141.3 sq. km

K252FG.L
Page, AZ
BLFT20160513AEH
Facility ID: 141431
Latitude: 37-00-37 N
Longitude: 111-40-48 W
ERP: 0.25 kW
Channel: 252D (98.3 MHz)
AMSL Height: 1728.0 m
Horiz. Pattern: Directional

60 dBμ F(50:50) Contour
Total Population: 8,668
Coverage Area: 1,111.0 sq. km

Glen Canyon City

K252FG.P
K252FG.L +

Page

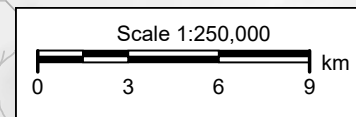


Exhibit 13.4

Proposed vs. Primary Contour Showing

2 mV/m Daytime Contour
25 mile AM site Radius

Kane

Proposed 60 dBμ F(50:50) Contour

K252FG.P
+

KPGE(AM)
+

KPGE 1340 kHz
Page, Arizona
Station Class: C
Region 2 Class: C
Facility ID: 36349
File Number: BL-
Site Location: 36-54-23.0 N 111-27-32.0 W (NAD 27)
Site Location: 36-54-23.0 N 111-27-34.6 W (NAD 83)
Power: 1 kW, Non-Directional
Hours: Unlimited
Pattern Type: Theoretical
Towers: 1 Augmentations: 0
Tower Electrical Height: 73.6 Deg; 45.74 meters
RMS Theoretical: 283.24 mV/meter

K252FG.P
Page, AZ
Proposed Operation
Facility ID: 141431
Latitude: 37-00-37 N
Longitude: 111-40-48 W
ERP: 0.25 kW
Channel: 252D (98.3 MHz)
AMSL Height: 1737.0 m
Horiz. Pattern: Directional



Scale 1:500,000



Exhibit 13.5

Tabulation of Proposed Allocation

REFERENCE 37 00 37.0 N. 111 40 48.0 W.											
CH# 252D - 98.3 MHz, Pwr= 0.25 kW DA, HAAT= 281.0 M, COR= 1737 M Average Protected F(50-50)= 21.86 km Standard Directional											
DISPLAY DATES DATA 08-17-16 SEARCH 08-17-16											
CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
252D Page	K252FG	LI C DC_ AZ		0.0 0.0	0.00 BLFT20160513AEH	37 00 37.0 111 40 48.0	0.250 1728	55.7 1728	16.7 Lake Powell Communications	-72.6*	-73.0*
251C Brian Head	KREC	LI C _CY UT		296.1 115.3	136.29 BLH19881123KC	37 32 32.0 113 04 05.0	56.000 770	120.8 3078	81.6 Ccr-st. George Iv, LI c	4.0	38.0
249C El si nore	KWUT	LI C _C_ UT		339.6 159.2	163.32 BLH20100520AAP	38 23 08.0 112 19 57.0	33.000 993	11.0 3600	94.3 Sanpete County Broadcastin	136.9	68.6
255C1 Hurricane	KRQX-FM	LI C NCX UT		264.1 83.0	161.98 BLH20100727AFE	36 50 49.0 113 29 28.0	14.500 620	7.0 1985	72.5 Redrock Broadcasting, Inc.	141.7	89.0
252C Mayer 9/5/2007:	KKFR	LI C NCX AZ		191.6 11.2	314.82 BLH20060831AAC	34 14 03.0 112 22 01.0	41.000 852	184.8 2385	87.1 Riviera Broadcasting, LI c	123.4	205.3
Accepted on channel 252C by Mexico in 5/29/2007 letter.											
249D Beaver	KWUT-FM2	LI C DC_ UT		329.6 149.0	162.21 BLFTB20051011ALB	38 15 54.0 112 37 13.0	0.300 1871	0.3 1871	3.6 Sanpete County Broadcastin	147.2	158.2
254C Cortez	KRTZ	LI C _CX CO		83.9 265.7	255.74 BMLH20121211AAV	37 13 10.0 108 48 26.0	27.000 884	9.9 2747	90.7 Winton Road Broadcasting C	215.7	163.9
255C2 Doney Park One Step Application	KZXX	CP _CX AZ		177.8 357.9	196.92 BPH20140528AHK	35 14 25.0 111 35 49.0	0.560 610	1.5 2844	31.2 Cochise Broadcasting LI c	183.0	164.7
255C3 Doney Park	KZXX	LI C _CX AZ		177.8 357.9	196.89 BLH20121214AAP	35 14 26.0 111 35 51.0	0.235 610	1.1 2844	25.1 Cochise Broadcasting LI c	183.4	170.8
253L1 Flagstaff	KXGC-LP	CP _ AZ		178.6 358.6	201.05 BNPL20131115ACB	35 12 08.7 111 37 32.2	0.100 17	2169	181.8 San Francisco De Asis Roma	179.3	
252C3 Price	KARB	LI C _CX UT		14.4 194.9	298.65 BLH20070605AAW	39 36 33.0 110 48 50.0	7.000 -32	85.9 1830	26.6 Eastern Utah Broadcasting	195.2	214.9
253C Las Vegas	KLUC-FM	LI C _CY NV		250.4 68.5	317.35 BLH19870211KA	36 00 29.0 115 00 20.0	100.000 360	109.5 1050	75.1 Cbs Radio Stations Inc.	196.3	225.5
250C Cortez	KISZ-FM	LI C _CN CO		81.8 263.9	315.10 BLH19780921AG	37 21 48.0 108 09 00.0	100.000 399	16.8 3104	101.5 Winton Road Broadcasting C	268.3	212.6
250C Needles	KLUK	CP _NCN CA		228.6 47.0	326.72 BPH20160525AAS	35 02 04.0 114 22 12.0	100.000 475	10.9 1254	75.8 Cameron Broadcasting, Inc.	306.5	250.2
253C2 Palisade	KAAI	LI C NCX CO		51.9 234.0	376.19 BLED20150728AAV	39 02 57.0 108 15 04.0	0.860 896	90.2 3058	60.2 Educational Media Foundati	260.7	276.8
250C1 Needles	KLUK	LI C _CN CA		228.6 47.0	326.62 BLH19950502KA	35 02 06.0 114 22 09.0	29.500 473	7.6 1260	64.0 Cameron Broadcasting, Inc.	309.6	261.9

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= West Zone, Co to 3rd adjacent.
 All separation margins (if shown) include rounding. Call signs with strikeout 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.
 < = Contour Overlap

Exhibit 13.6

Manufacturer's Directional Antenna Pattern Documentation

Azimuth ° True	FCC Pattern	Composite Pattern
0°	0.423	0.423
10°	0.479	0.479
20°	0.557	0.557
30°	0.650	0.650
40°	0.737	0.737
50°	0.804	0.804
60°	0.856	0.856
70°	0.899	0.899
80°	0.939	0.939
90°	0.963	0.963
100°	0.978	0.978
110°	0.989	0.989
120°	0.995	0.995
130°	1.000	1.000
140°	0.995	0.995
150°	0.989	0.989
160°	0.978	0.978
170°	0.963	0.963
180°	0.939	0.939
190°	0.899	0.899
200°	0.856	0.856
210°	0.804	0.804
220°	0.737	0.737
230°	0.650	0.650
240°	0.557	0.557
250°	0.479	0.479
260°	0.423	0.423
270°	0.399	0.399
280°	0.403	0.403
290°	0.398	0.398
300°	0.404	0.404
310°	0.401	0.401
320°	0.404	0.404
330°	0.398	0.398
340°	0.403	0.403
350°	0.399	0.399

	Antenna 1	Antenna 2	Antenna 3	Antenna 4	
Model:	BKG1P(Slant45)				Composite
Orientation:	130° True				Power
Power:	100.0%				100%

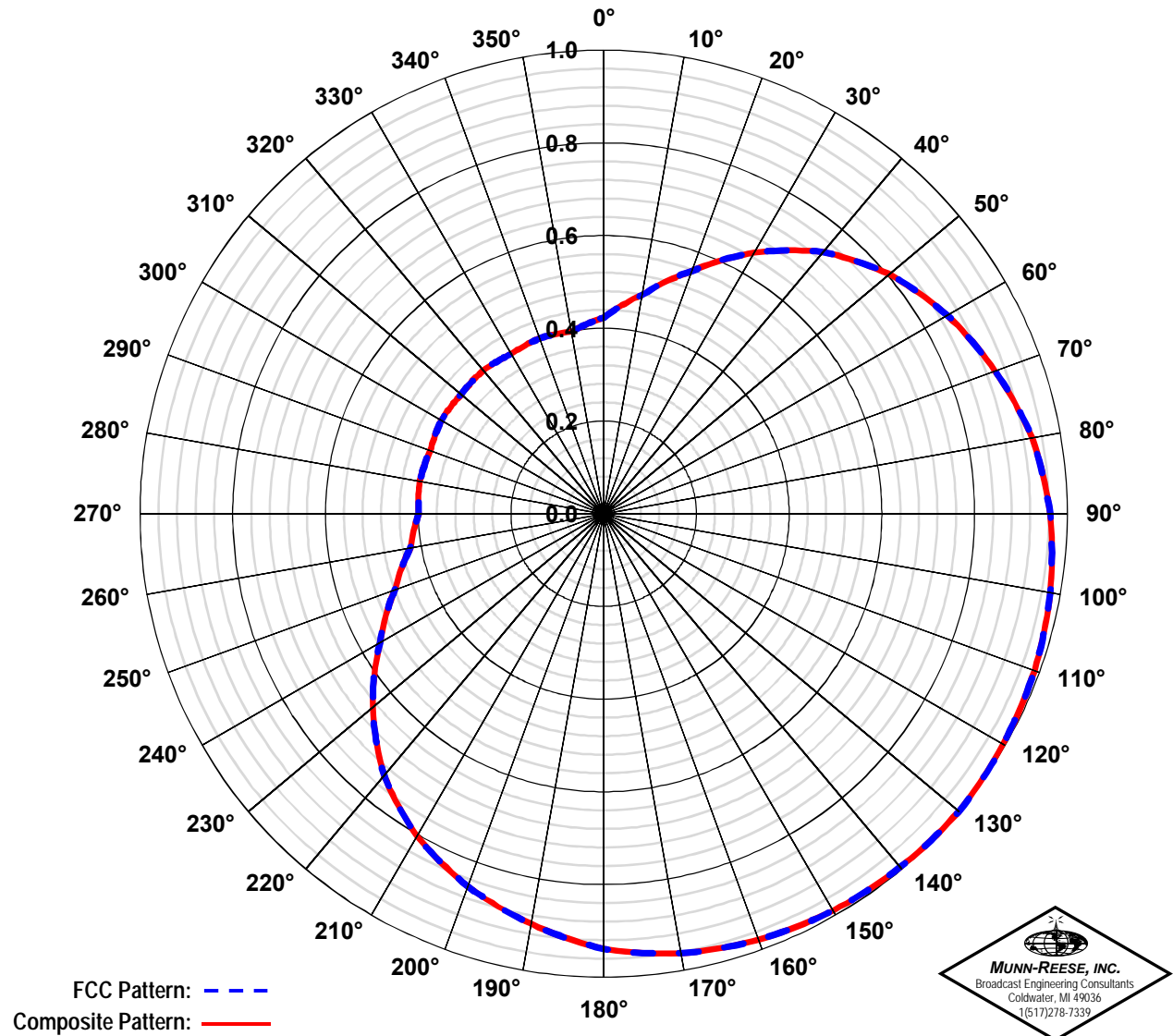


Exhibit 13.6 - Manufacturer's Directional Antenna Pattern Documentation (Actual Pattern Rotated to 130°T)

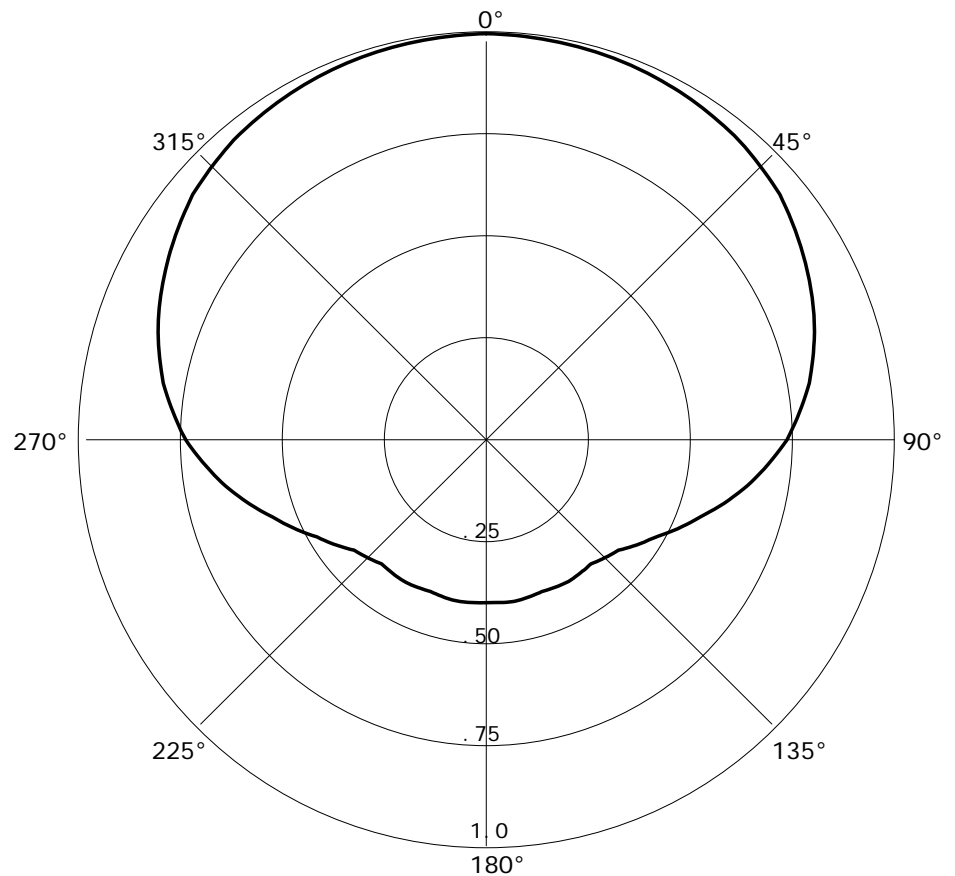


BKG1/P-1DA(Slant45) COMPOSITE PATTERN

RMS(V) = .739

Graph is Relative Field

Azi	Field	dBk
000	1.000	-10.000
010	0.995	-10.044
020	0.989	-10.096
030	0.978	-10.193
040	0.963	-10.327
050	0.939	-10.547
060	0.899	-10.925
070	0.856	-11.351
080	0.804	-11.895
090	0.737	-12.651
100	0.650	-13.742
110	0.557	-15.083
120	0.479	-16.393
130	0.423	-17.473
140	0.399	-17.981
150	0.403	-17.894
160	0.398	-18.002
170	0.404	-17.872
180	0.401	-17.937
190	0.404	-17.872
200	0.398	-18.002
210	0.403	-17.894
220	0.399	-17.981
230	0.423	-17.473
240	0.479	-16.393
250	0.557	-15.083
260	0.650	-13.742
270	0.737	-12.651
280	0.804	-11.895
290	0.856	-11.351
300	0.899	-10.925
310	0.939	-10.547
320	0.963	-10.327
330	0.978	-10.193
340	0.989	-10.096
350	0.995	-10.044



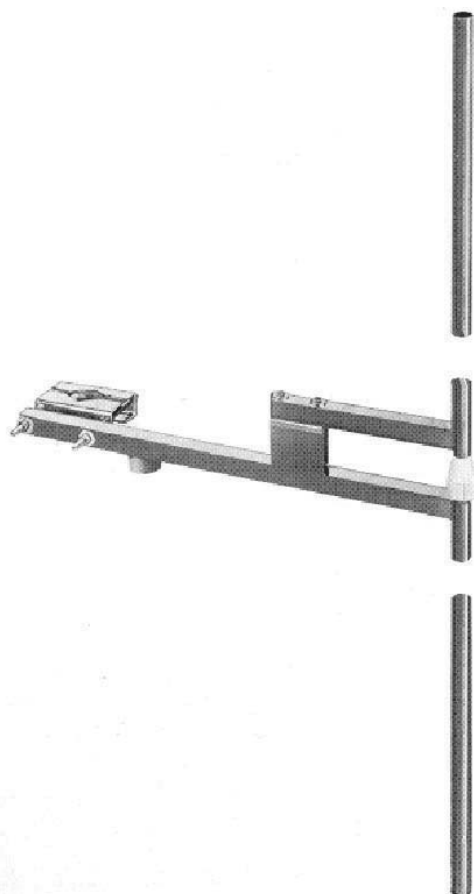
The directional antenna pattern will be produced by means of a Nicom Dipole BKG1/P broadcast element mounted at a 45° (degree) slant orientation to achieve horizontal and vertical polarization. The BKG1/P-1DA(Slant45) Directional Pattern is therefore a maximum composite pattern of the current horizontal and vertical broadcast patterns as notified by Nicom USA, Inc.

The maximum antenna gain for a single BKG1/P-1DA(Slant45) element will be -3.0 dBd or the common horizontal or vertical maximum antenna gain of 0.0 dBd adjusted by 3 dBd for dual broadcast in the Horizontal and Vertical planes (-3.0 dBd = 0.0 dBd - 3.0 dBd). The maximum gain for multiple bay options of the Nicom BKG1/P-DA(Slant45) antenna would therefore also be adjusted by -3 dBd to account for operation in the horizontal and vertical planes.

The antenna proposed in this application will be mounted in accordance with specific instructions provided by the antenna manufacturer. The directional antenna will be mounted on the tower which is of uniform cross section. No other antennas of any type are or will be mounted on the same tower level as the directional antenna.

No antenna is or will be mounted within any vertical or horizontal distance specified by the antenna manufacturer as being necessary for proper operation of the directional antenna. In addition, the antenna will be assembled under the supervision of a qualified engineer and installed pursuant to the manufacturer's instructions and manufacturer specified antenna orientation.

Exhibit 13.6 - Manufacturer's Directional Antenna Pattern Documentation (Actual Pattern Rotated to 130°T)



NICOM **BKG1/P** **Low Power** **Broadband** **FM Dipole** **Dipolo de FM** **Banda Ancha**

This antenna can be easily installed because of its lightness. Electrically grounded it gives excellent protection against lightning. Combined in arrays of more elements this dipole offers high gain over a wide angle.

Esta antena puede ser facilmente armada debido a su ligereza. Es conectada por tierra lo cual ofrece óptima protección contra relámpagos. Combinada de arrays de varios elementos este dipolo puede ofrecer buena ganancia a través de un amplio ángulo.

TECHNICAL SPECIFICATIONS

Antenna type	dipole	Front-to-back ratio	7 dB
Frequency range	87.5 - 108 MHz	Lightning protection	all parts grounded
Bandwidth	20 MHz	Max wind velocity	119 mph (190 km/h)
Impedance	50 Ohms	Wind load	39.6 Lbs (18 kg)
Connectors	N type	Wind surface	1.2 ft ² (0.11 m ²)
Power rating	500 Watts max.	Materials (external)	anti-corrosive aluminum
VSWR	< 1.3	Mounting	from 2" to 4"
Polarization	vertical	Weight	8.8 Lbs (4 kg)
Gain	0 dBd (unity gain)	Dimensions	55"×33"×2" (1400×850×60 mm)
H plane	194 degrees	Packing	59"×36"×4" (1500×900×100 mm)
V plane	78 degrees		

Radiation Patterns (at mid-band)

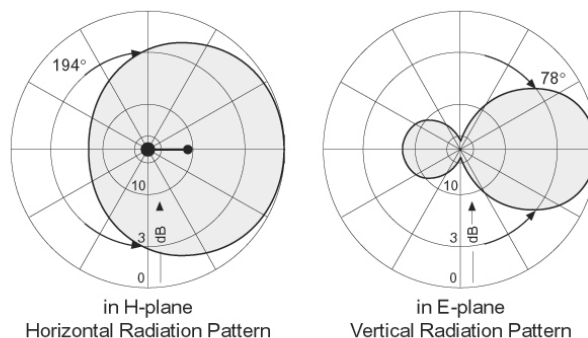


Exhibit 13.6 - Manufacturer's Directional Antenna Pattern Documentation (Actual Pattern Rotated to 130°T)



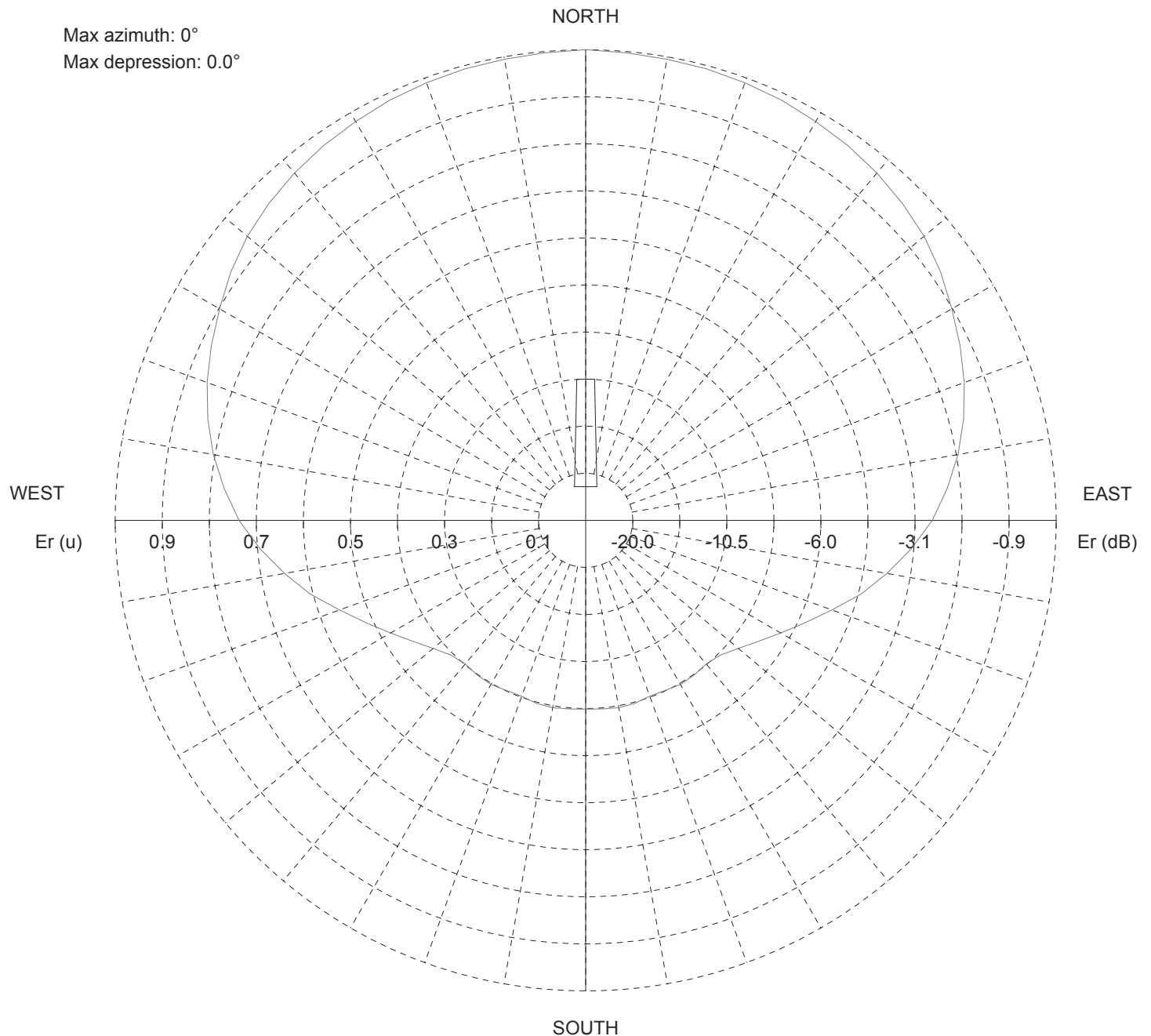
TX station: BKG1/P

Site name:

Frequency: 100.00 MHz

Horizontal diagram of Maxima

Max azimuth: 0°
Max depression: 0.0°



—— 0.0° depres. (Total antenna), Gain (dBd): 0.00 ERP T.max (KW): 1.

ERP E.max (KW): 0.776

Exhibit 13.6 - Manufacturer's Directional Antenna Pattern Documentation (Actual Pattern Rotated to 130°T)



TX station: BKG1/P

Site name:

Frequency: 100.00 MHz

Horizontal diagram of Maxima

Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)	Az (°)	Dep (°)	Er (%)	ERP (W)
0.0	0.0	100.0	776.2	120.0	0.0	47.9	178.0	240.0	0.0	47.9	178.0
5.0	0.0	99.7	772.1	125.0	0.0	44.8	156.0	245.0	0.0	51.5	205.9
10.0	0.0	99.5	768.1	130.0	0.0	42.3	139.1	250.0	0.0	55.7	240.8
15.0	0.0	99.3	765.7	135.0	0.0	40.5	127.4	255.0	0.0	60.6	285.0
20.0	0.0	98.9	759.7	140.0	0.0	39.9	123.3	260.0	0.0	65.0	328.3
25.0	0.0	98.5	753.4	145.0	0.0	40.1	125.1	265.0	0.0	69.5	374.7
30.0	0.0	97.8	743.2	150.0	0.0	40.3	126.0	270.0	0.0	73.7	421.3
35.0	0.0	97.2	733.2	155.0	0.0	39.9	123.5	275.0	0.0	77.1	461.6
40.0	0.0	96.3	720.1	160.0	0.0	39.8	122.8	280.0	0.0	80.4	501.4
45.0	0.0	95.2	703.9	165.0	0.0	40.3	126.1	285.0	0.0	83.2	536.8
50.0	0.0	93.9	684.4	170.0	0.0	40.4	126.9	290.0	0.0	85.6	569.2
55.0	0.0	92.1	658.3	175.0	0.0	40.3	125.8	295.0	0.0	87.8	598.3
60.0	0.0	89.9	627.1	180.0	0.0	40.1	125.0	300.0	0.0	89.9	627.1
65.0	0.0	87.8	598.3	185.0	0.0	40.3	125.8	305.0	0.0	92.1	658.3
70.0	0.0	85.6	569.2	190.0	0.0	40.4	126.9	310.0	0.0	93.9	684.4
75.0	0.0	83.2	536.8	195.0	0.0	40.3	126.1	315.0	0.0	95.2	703.9
80.0	0.0	80.4	501.4	200.0	0.0	39.8	122.8	320.0	0.0	96.3	720.1
85.0	0.0	77.1	461.6	205.0	0.0	39.9	123.5	325.0	0.0	97.2	733.2
90.0	0.0	73.7	421.3	210.0	0.0	40.3	126.0	330.0	0.0	97.8	743.2
95.0	0.0	69.5	374.7	215.0	0.0	40.1	125.1	335.0	0.0	98.5	753.4
100.0	0.0	65.0	328.3	220.0	0.0	39.9	123.3	340.0	0.0	98.9	759.7
105.0	0.0	60.6	285.0	225.0	0.0	40.5	127.4	345.0	0.0	99.3	765.7
110.0	0.0	55.7	240.8	230.0	0.0	42.3	139.1	350.0	0.0	99.5	768.1
115.0	0.0	51.5	205.9	235.0	0.0	44.8	156.0	355.0	0.0	99.7	772.1

Exhibit 13.6 - Manufacturer's Directional Antenna Pattern Documentation (Actual Pattern Rotated to 130°T)



TX station: BKG1/P

Site name:

Frequency: 100.00 MHz

Vertical diagram

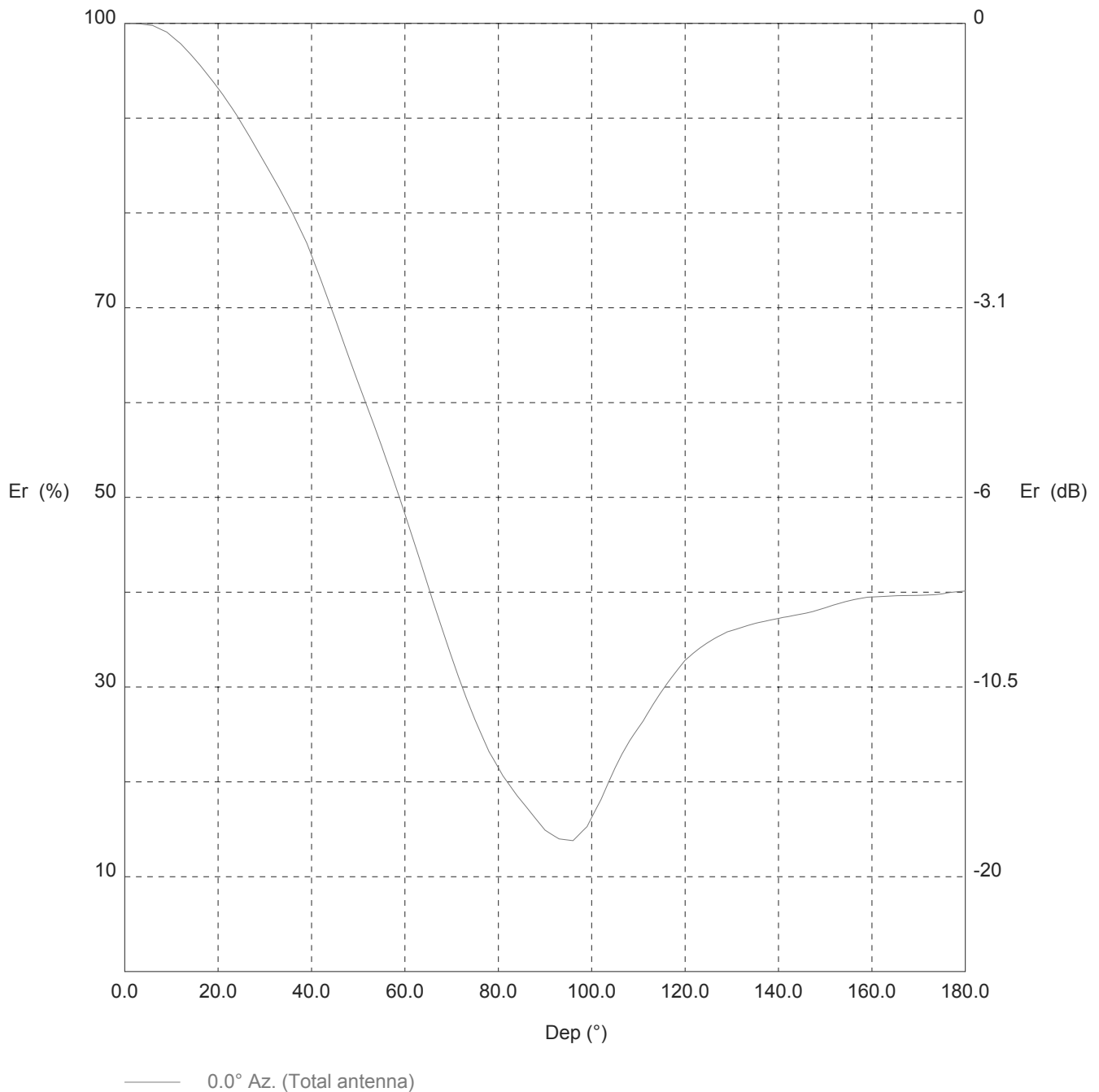


Exhibit 13.6 - Manufacturer's Directional Antenna Pattern Documentation (Actual Pattern Rotated to 130°T)



TX station: BKG1/P

Site name:

Frequency: 100.00 MHz

Vertical diagram at an azimuth of 0° degrees

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	100.0	776.2	60.0	48.3	180.9	120.0	32.8	83.6
1.0	100.0	776.1	61.0	46.8	169.7	121.0	33.2	85.8
2.0	100.0	775.9	62.0	45.2	158.9	122.0	33.7	88.0
3.0	100.0	775.7	63.0	43.7	148.5	123.0	34.1	90.2
4.0	99.9	774.8	64.0	42.2	138.1	124.0	34.4	91.9
5.0	99.8	773.8	65.0	40.6	128.0	125.0	34.7	93.6
6.0	99.8	772.9	66.0	39.1	118.4	126.0	35.0	95.3
7.0	99.5	769.2	67.0	37.6	109.6	127.0	35.3	96.8
8.0	99.3	765.6	68.0	36.1	101.1	128.0	35.6	98.2
9.0	99.1	762.0	69.0	34.6	92.9	129.0	35.8	99.6
10.0	98.7	755.7	70.0	33.2	85.4	130.0	36.0	100.4
11.0	98.3	749.5	71.0	31.7	78.1	131.0	36.1	101.3
12.0	97.9	743.2	72.0	30.3	71.2	132.0	36.3	102.1
13.0	97.3	735.2	73.0	29.0	65.4	133.0	36.4	103.0
14.0	96.8	727.2	74.0	27.8	59.9	134.0	36.6	103.8
15.0	96.3	719.2	75.0	26.5	54.6	135.0	36.7	104.7
16.0	95.7	710.3	76.0	25.4	50.1	136.0	36.8	105.3
17.0	95.1	701.4	77.0	24.3	45.8	137.0	36.9	105.9
18.0	94.5	692.6	78.0	23.2	41.7	138.0	37.0	106.5
19.0	93.8	683.0	79.0	22.3	38.7	139.0	37.1	107.1
20.0	93.1	673.5	80.0	21.5	35.8	140.0	37.2	107.7
21.0	92.5	664.1	81.0	20.6	33.1	141.0	37.3	108.2
22.0	91.8	653.7	82.0	19.9	30.9	142.0	37.4	108.8
23.0	91.0	643.4	83.0	19.2	28.8	143.0	37.5	109.3
24.0	90.3	633.1	84.0	18.6	26.7	144.0	37.6	109.8
25.0	89.5	621.6	85.0	17.9	25.0	145.0	37.7	110.4
26.0	88.7	610.3	86.0	17.3	23.4	146.0	37.8	111.0
27.0	87.8	599.0	87.0	16.7	21.8	147.0	37.9	111.6
28.0	87.0	587.3	88.0	16.1	20.2	148.0	38.1	112.5
29.0	86.1	575.7	89.0	15.5	18.7	149.0	38.2	113.4
30.0	85.3	564.3	90.0	14.9	17.3	150.0	38.4	114.2
31.0	84.4	552.9	91.0	14.6	16.5	151.0	38.5	115.2
32.0	83.5	541.7	92.0	14.3	15.8	152.0	38.7	116.1
33.0	82.7	530.6	93.0	14.0	15.2	153.0	38.8	117.1
34.0	81.7	518.8	94.0	13.9	15.0	154.0	39.0	117.9
35.0	80.8	507.1	95.0	13.9	14.9	155.0	39.1	118.6
36.0	79.9	495.6	96.0	13.8	14.8	156.0	39.2	119.4
37.0	78.9	482.9	97.0	14.3	15.9	157.0	39.3	119.9
38.0	77.8	470.4	98.0	14.8	17.0	158.0	39.4	120.4
39.0	76.8	458.0	99.0	15.3	18.1	159.0	39.5	120.9
40.0	75.5	442.7	100.0	16.2	20.5	160.0	39.5	121.1
41.0	74.2	427.7	101.0	17.2	23.0	161.0	39.5	121.3
42.0	72.9	412.9	102.0	18.1	25.5	162.0	39.5	121.4
43.0	71.6	398.0	103.0	19.3	28.8	163.0	39.6	121.6
44.0	70.3	383.3	104.0	20.4	32.3	164.0	39.6	121.7
45.0	68.9	368.9	105.0	21.5	35.9	165.0	39.6	121.9
46.0	67.5	354.2	106.0	22.4	39.1	166.0	39.6	122.0
47.0	66.2	339.7	107.0	23.4	42.4	167.0	39.6	122.0
48.0	64.8	325.5	108.0	24.3	45.8	168.0	39.7	122.1
49.0	63.4	312.3	109.0	25.0	48.5	169.0	39.7	122.1
50.0	62.1	299.4	110.0	25.7	51.3	170.0	39.7	122.2
51.0	60.8	286.8	111.0	26.4	54.2	171.0	39.7	122.2
52.0	59.5	274.4	112.0	27.2	57.6	172.0	39.7	122.4
53.0	58.1	262.3	113.0	28.1	61.1	173.0	39.7	122.5
54.0	56.8	250.4	114.0	28.9	64.6	174.0	39.8	122.7
55.0	55.4	238.3	115.0	29.6	67.9	175.0	39.8	123.2
56.0	54.0	226.6	116.0	30.3	71.1	176.0	39.9	123.7
57.0	52.6	215.1	117.0	31.0	74.4	177.0	40.0	124.2
58.0	51.2	203.3	118.0	31.6	77.5	178.0	40.0	124.5
59.0	49.7	191.9	119.0	32.2	80.5	179.0	40.1	124.7