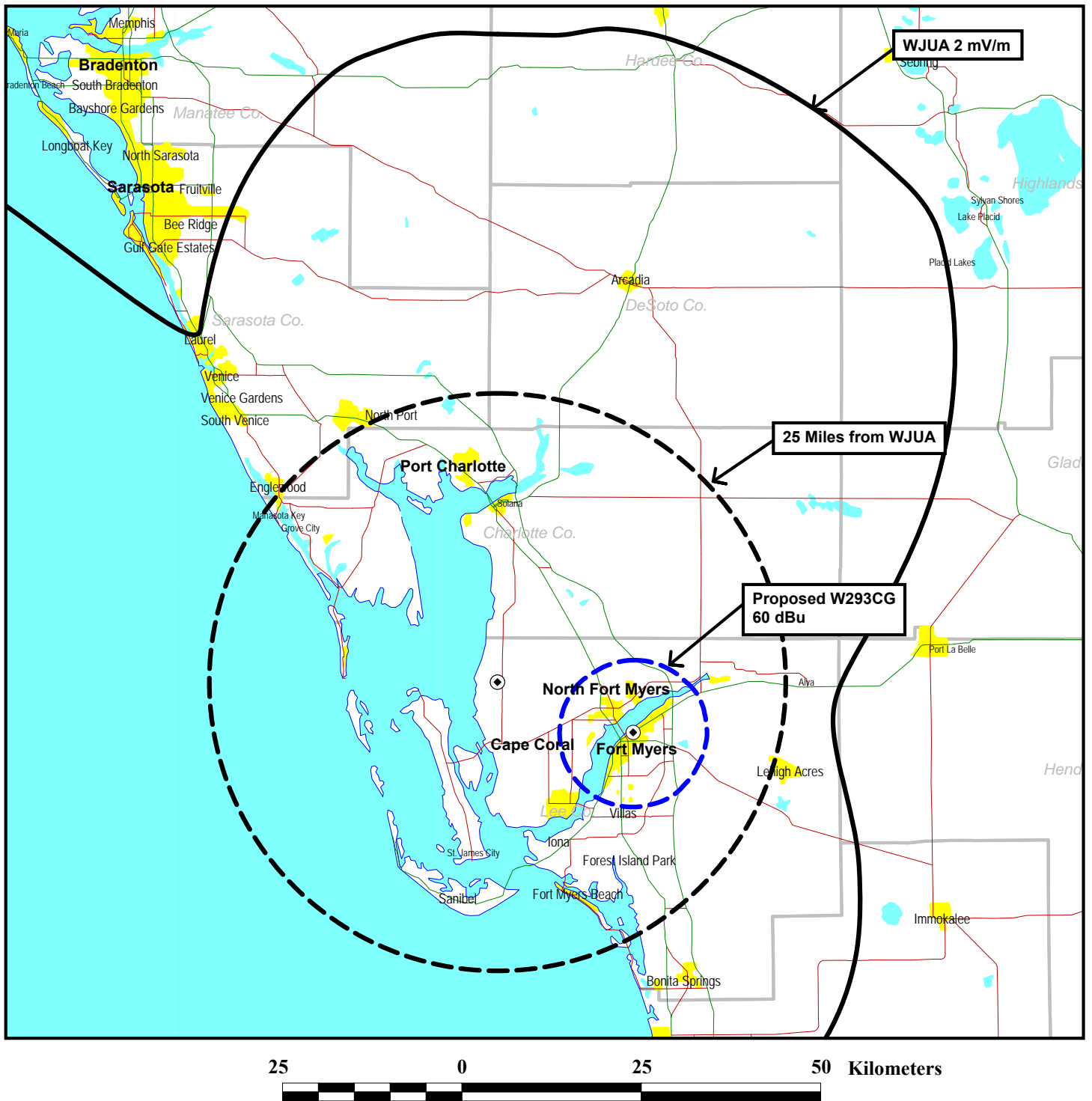


Figure 1



## AM FILL-IN COMPLIANCE MAP

FM TRANSLATOR STATION W293CG  
PINE ISLAND CENTER, FLORIDA  
CH 247 (97.3 MHZ) 0.25 kW (ND)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

# FM Contour Study

du Treil, Lundin, &amp; Rackley, Inc., Sarasota, Florida



**Channel:** 247 **Coordinates:** 026-39-05 081-51-20 (NAD 27) **ERP:** 0.25 kW **Max. HAAT:** 61 m **Considering Only Interference Caused**

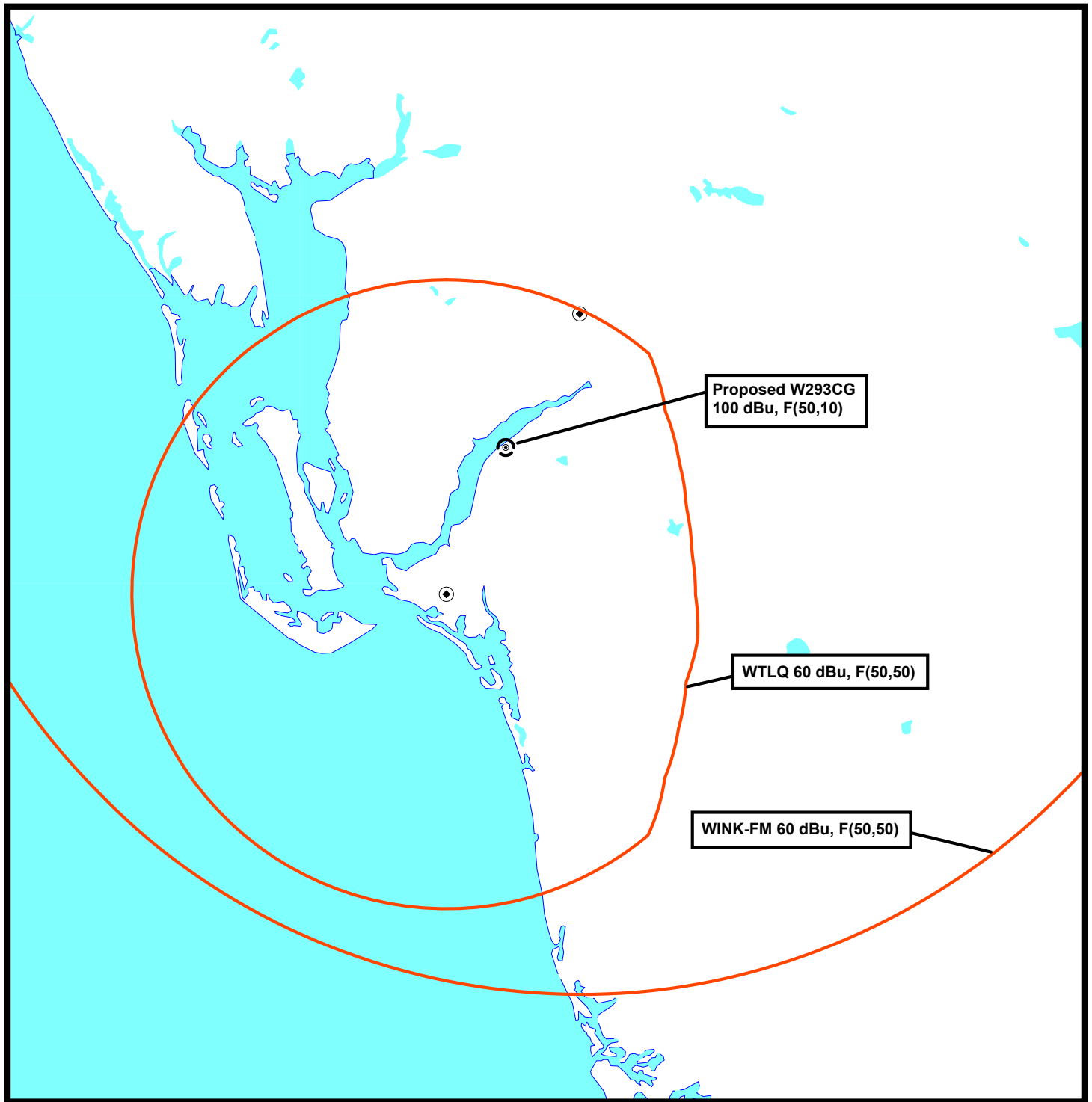
**Comment:** Proposed W293CG

Callsign	Chan.	Service	Status	Freq.	City	State	Co.	Rec.	Latitude	Dist. (km)	Sep. (km)	Spac. (km)
Facility ID	ARN			Class	DA	73.215	ERP (kW)	HAAT (m)	Longitude	Bear. (deg)	Comment	
<b>WINK-FM</b>	245	FM	LIC	96.9	FORT MYERS	FL	US	C	26-48-01	18.88	85.28	-66.4
22094	BLH	20060727AAL	C	N	N		100	457	081-45-48	28.93	<b>SHORT</b>	/1
WINK-FM 60.0 dBu desired distance: 84.3 km				Proposed 100.0 dBu undesired distance: 1.0 km								
<b>W247AQ</b>	247	FX	LIC	97.3	TROPICAL GULF ACRES	FL	US	C	26-39-05	0	44.86	-44.86
139101	BLFT	20150930AFZ	D	N	N		0.25		081-51-20	0	<b>SHORT</b>	/2
W247AQ 60.0 dBu desired distance: 10.4 km				Proposed 40.0 dBu undesired distance: 34.5 km								
<b>WTLQ-FM</b>	249	FM	LIC	97.7	PUNTA RASSA	FL	US	C	26-29-16	19.56	39.95	-20.39
28901	BLH	20000120ABH	C3	D	Y		14.5	131	081-55-46	202.01	<b>SHORT</b>	/1
WTLQ-FM 60.0 dBu desired distance: 39.0 km				Proposed 100.0 dBu undesired distance: 1.0 km								

/1 There will be contour overlap normally prohibited by Section 74.1204. However, based on the undesired-to-desired (U/D) signal strength ratio method (per Living Way Ministries, Inc., 17 FCC Rcd 17054, 17056, 2002) it has been determined that no actual interference would occur due to lack of population under Section 74.1204(d). See Exhibit 17 and Figure 4.

/2 As detailed elsewhere in this application, Fort Myers Broadcasting Company and Sun Broadcasting Inc. have entered into an agreement to file contingent 250 Mile Window translator applications for W247AQ, which is to be used as a fill-in translator for WNOG(AM), Naples, Florida, and for W293CG, which is to be used as a fill-in translator for WJUA(AM), Pine Island Center, Florida. Both applicants are committed to constructing the facilities proposed in their applications, and the modification of W247AQ frees up the frequency proposed for use in this W293CG modification application. The parties' agreement is attached as an exhibit to this application. The 250 Mile Window Applications for W247AQ and W293CG have been filed simultaneously and the parties request that they be processed and granted together, as contemplated in Rule Section 73.3517(e).

Figure 3



25 0 25 50 Kilometers

**COMPLIANCE WITH SECTION 74.1204**

FM TRANSLATOR STATION W293CG  
PINE ISLAND CENTER, FLORIDA  
CH 247 (97.3 MHZ) 0.25 KW (ND)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 4

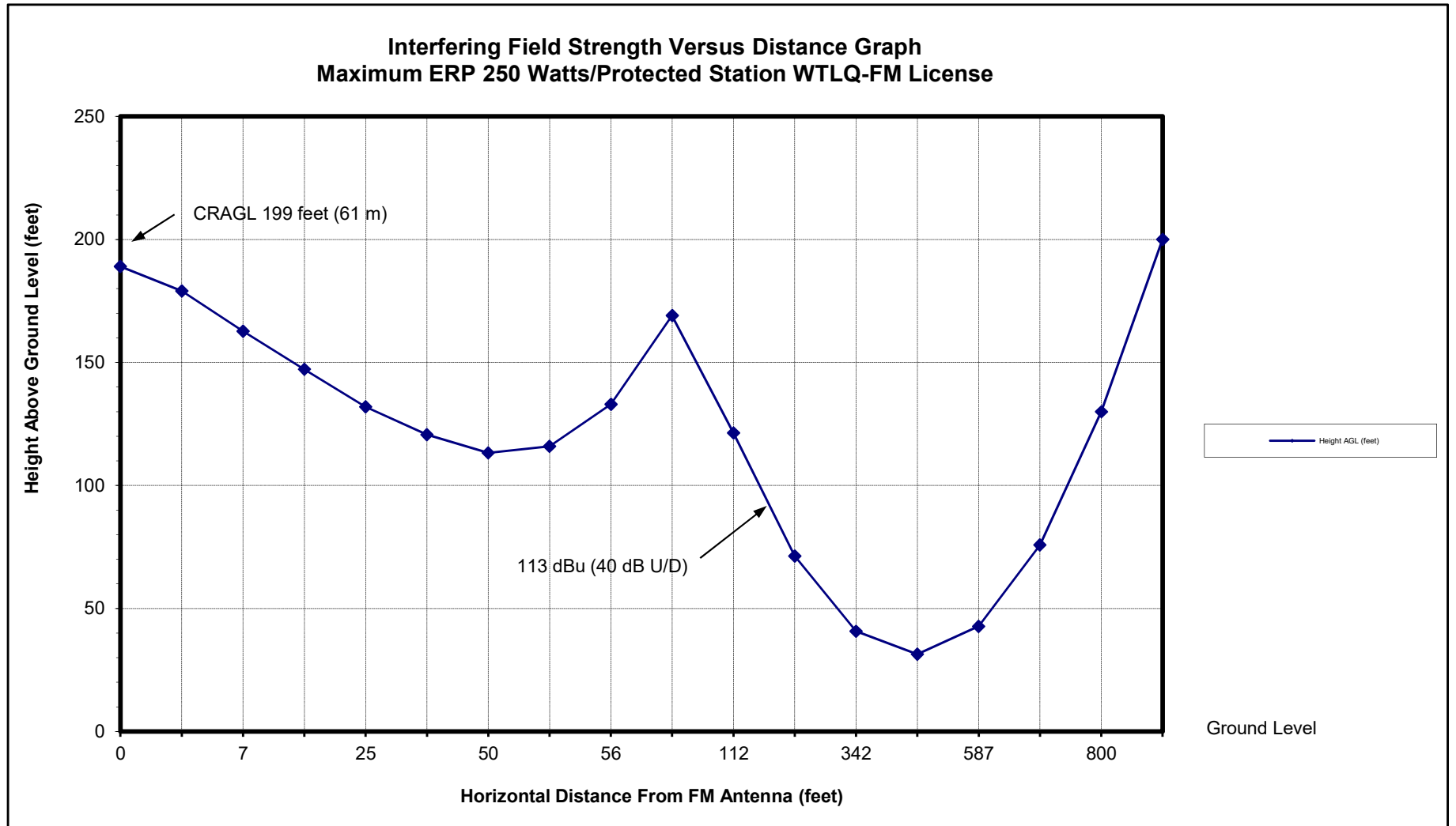
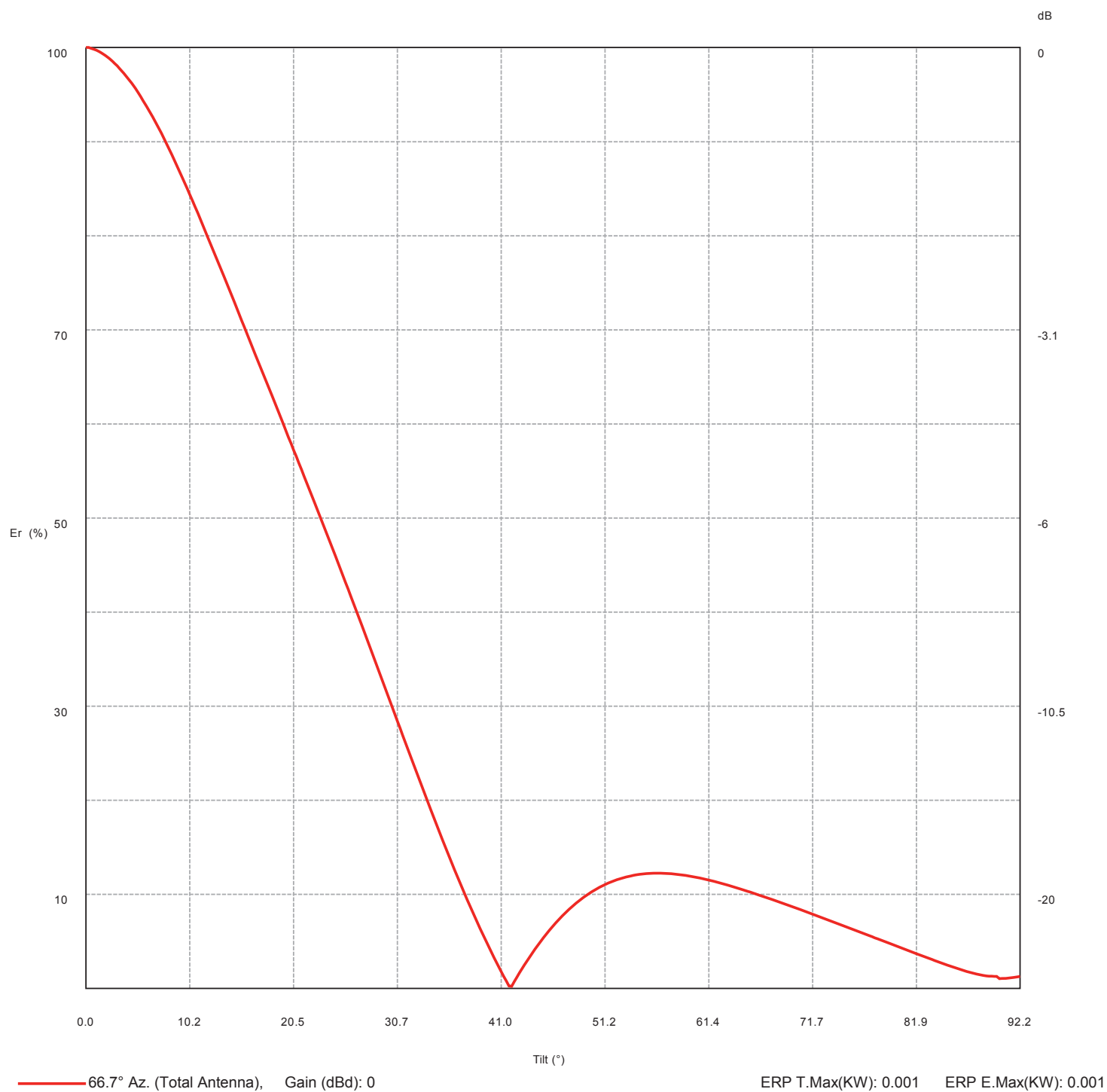


Figure 5  
Sheet 3 of 3

### Vertical diagram at an azimuth of 66.7°



**Vertical diagram at an azimuth of 66.7°**

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	100.1	1.0	15.4	71.0	0.5	30.7	28.4	0.1
0.3	100.0	1.0	15.6	70.3	0.5	31.0	27.7	0.1
0.5	99.9	1.0	15.9	69.6	0.5	31.2	26.9	0.1
0.8	99.8	1.0	16.1	68.9	0.5	31.5	26.2	0.1
1.0	99.7	1.0	16.4	68.2	0.5	31.7	25.4	0.1
1.3	99.6	1.0	16.6	67.5	0.5	32.0	24.7	0.1
1.5	99.4	1.0	16.9	66.8	0.4	32.3	24.0	0.1
1.8	99.2	1.0	17.2	66.2	0.4	32.5	23.2	0.1
2.0	99.1	1.0	17.4	65.5	0.4	32.8	22.5	0.1
2.3	98.8	1.0	17.7	64.8	0.4	33.0	21.8	0.0
2.6	98.6	1.0	17.9	64.1	0.4	33.3	21.0	0.0
2.8	98.3	1.0	18.2	63.5	0.4	33.5	20.3	0.0
3.1	98.1	1.0	18.4	62.8	0.4	33.8	19.6	0.0
3.3	97.8	1.0	18.7	62.1	0.4	34.0	18.9	0.0
3.6	97.4	0.9	18.9	61.4	0.4	34.3	18.2	0.0
3.8	97.1	0.9	19.2	60.7	0.4	34.6	17.5	0.0
4.1	96.8	0.9	19.5	60.0	0.4	34.8	16.8	0.0
4.4	96.4	0.9	19.7	59.3	0.4	35.1	16.1	0.0
4.6	96.1	0.9	20.0	58.6	0.3	35.3	15.4	0.0
4.9	95.7	0.9	20.2	57.9	0.3	35.6	14.7	0.0
5.1	95.3	0.9	20.5	57.2	0.3	35.8	14.0	0.0
5.4	94.8	0.9	20.7	56.5	0.3	36.1	13.3	0.0
5.6	94.3	0.9	21.0	55.9	0.3	36.4	12.6	0.0
5.9	93.9	0.9	21.2	55.2	0.3	36.6	12.0	0.0
6.1	93.4	0.9	21.5	54.5	0.3	36.9	11.3	0.0
6.4	92.9	0.9	21.8	53.8	0.3	37.1	10.6	0.0
6.7	92.5	0.9	22.0	53.1	0.3	37.4	10.0	0.0
6.9	92.0	0.8	22.3	52.4	0.3	37.6	9.4	0.0
7.2	91.5	0.8	22.5	51.7	0.3	37.9	8.7	0.0
7.4	90.9	0.8	22.8	51.0	0.3	38.1	8.1	0.0
7.7	90.4	0.8	23.0	50.3	0.3	38.4	7.5	0.0
7.9	89.8	0.8	23.3	49.6	0.2	38.7	6.9	0.0
8.2	89.2	0.8	23.6	48.9	0.2	38.9	6.3	0.0
8.4	88.6	0.8	23.8	48.2	0.2	39.2	5.7	0.0
8.7	88.0	0.8	24.1	47.5	0.2	39.4	5.1	0.0
9.0	87.4	0.8	24.3	46.7	0.2	39.7	4.5	0.0
9.2	86.8	0.8	24.6	46.0	0.2	39.9	4.0	0.0
9.5	86.2	0.7	24.8	45.3	0.2	40.2	3.4	0.0
9.7	85.6	0.7	25.1	44.6	0.2	40.4	2.9	0.0
10.0	85.0	0.7	25.3	43.9	0.2	40.7	2.3	0.0
10.2	84.4	0.7	25.6	43.1	0.2	41.0	1.8	0.0
10.5	83.7	0.7	25.9	42.4	0.2	41.2	1.3	0.0
10.8	83.1	0.7	26.1	41.7	0.2	41.5	0.8	0.0
11.0	82.4	0.7	26.4	41.0	0.2	41.7	0.3	0.0
11.3	81.8	0.7	26.6	40.3	0.2	42.0	0.2	0.0
11.5	81.1	0.7	26.9	39.5	0.2	42.2	0.7	0.0
11.8	80.5	0.6	27.1	38.8	0.2	42.5	1.2	0.0
12.0	79.8	0.6	27.4	38.1	0.1	42.8	1.6	0.0
12.3	79.1	0.6	27.6	37.3	0.1	43.0	2.1	0.0
12.5	78.5	0.6	27.9	36.6	0.1	43.3	2.5	0.0
12.8	77.8	0.6	28.2	35.8	0.1	43.5	2.9	0.0
13.1	77.1	0.6	28.4	35.1	0.1	43.8	3.4	0.0
13.3	76.4	0.6	28.7	34.4	0.1	44.0	3.8	0.0
13.6	75.8	0.6	28.9	33.6	0.1	44.3	4.2	0.0
13.8	75.1	0.6	29.2	32.9	0.1	44.5	4.6	0.0
14.1	74.4	0.6	29.4	32.1	0.1	44.8	4.9	0.0
14.3	73.7	0.5	29.7	31.4	0.1	45.1	5.3	0.0
14.6	73.1	0.5	30.0	30.6	0.1	45.3	5.6	0.0
14.8	72.4	0.5	30.2	29.9	0.1	45.6	6.0	0.0
15.1	71.7	0.5	30.5	29.1	0.1	45.8	6.3	0.0

**Vertical diagram at an azimuth of 66.7°**

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
46.1	6.6	0.0	61.4	11.5	0.0	76.8	5.8	0.0
46.3	7.0	0.0	61.7	11.4	0.0	77.1	5.7	0.0
46.6	7.3	0.0	62.0	11.4	0.0	77.3	5.6	0.0
46.8	7.5	0.0	62.2	11.3	0.0	77.6	5.5	0.0
47.1	7.8	0.0	62.5	11.2	0.0	77.8	5.4	0.0
47.4	8.1	0.0	62.7	11.2	0.0	78.1	5.3	0.0
47.6	8.4	0.0	63.0	11.1	0.0	78.3	5.2	0.0
47.9	8.6	0.0	63.2	11.0	0.0	78.6	5.1	0.0
48.1	8.9	0.0	63.5	10.9	0.0	78.8	5.0	0.0
48.4	9.1	0.0	63.7	10.8	0.0	79.1	4.9	0.0
48.6	9.3	0.0	64.0	10.8	0.0	79.4	4.7	0.0
48.9	9.5	0.0	64.3	10.7	0.0	79.6	4.6	0.0
49.2	9.7	0.0	64.5	10.6	0.0	79.9	4.5	0.0
49.4	9.9	0.0	64.8	10.5	0.0	80.1	4.4	0.0
49.7	10.1	0.0	65.0	10.4	0.0	80.4	4.3	0.0
49.9	10.3	0.0	65.3	10.3	0.0	80.6	4.2	0.0
50.2	10.5	0.0	65.5	10.2	0.0	80.9	4.1	0.0
50.4	10.6	0.0	65.8	10.1	0.0	81.2	4.0	0.0
50.7	10.8	0.0	66.0	10.0	0.0	81.4	3.9	0.0
50.9	10.9	0.0	66.3	10.0	0.0	81.7	3.8	0.0
51.2	11.0	0.0	66.6	9.9	0.0	81.9	3.7	0.0
51.5	11.2	0.0	66.8	9.8	0.0	82.2	3.6	0.0
51.7	11.3	0.0	67.1	9.7	0.0	82.4	3.5	0.0
52.0	11.4	0.0	67.3	9.6	0.0	82.7	3.4	0.0
52.2	11.5	0.0	67.6	9.5	0.0	82.9	3.3	0.0
52.5	11.6	0.0	67.8	9.4	0.0	83.2	3.2	0.0
52.7	11.7	0.0	68.1	9.3	0.0	83.5	3.1	0.0
53.0	11.8	0.0	68.4	9.2	0.0	83.7	3.0	0.0
53.2	11.8	0.0	68.6	9.1	0.0	84.0	2.9	0.0
53.5	11.9	0.0	68.9	9.0	0.0	84.2	2.8	0.0
53.8	12.0	0.0	69.1	8.9	0.0	84.5	2.7	0.0
54.0	12.0	0.0	69.4	8.8	0.0	84.7	2.6	0.0
54.3	12.1	0.0	69.6	8.7	0.0	85.0	2.5	0.0
54.5	12.1	0.0	69.9	8.6	0.0	85.2	2.4	0.0
54.8	12.1	0.0	70.1	8.5	0.0	85.5	2.3	0.0
55.0	12.2	0.0	70.4	8.4	0.0	85.8	2.2	0.0
55.3	12.2	0.0	70.7	8.3	0.0	86.0	2.1	0.0
55.6	12.2	0.0	70.9	8.2	0.0	86.3	2.0	0.0
55.8	12.2	0.0	71.2	8.1	0.0	86.5	1.9	0.0
56.1	12.2	0.0	71.4	8.0	0.0	86.8	1.8	0.0
56.3	12.3	0.0	71.7	7.9	0.0	87.0	1.7	0.0
56.6	12.3	0.0	71.9	7.8	0.0	87.3	1.7	0.0
56.8	12.2	0.0	72.2	7.7	0.0	87.6	1.6	0.0
57.1	12.2	0.0	72.4	7.6	0.0	87.8	1.5	0.0
57.3	12.2	0.0	72.7	7.5	0.0	88.1	1.5	0.0
57.6	12.2	0.0	73.0	7.4	0.0	88.3	1.4	0.0
57.9	12.2	0.0	73.2	7.3	0.0	88.6	1.4	0.0
58.1	12.1	0.0	73.5	7.2	0.0	88.8	1.3	0.0
58.4	12.1	0.0	73.7	7.1	0.0	89.1	1.3	0.0
58.6	12.1	0.0	74.0	7.0	0.0	89.3	1.3	0.0
58.9	12.1	0.0	74.2	6.9	0.0	89.6	1.3	0.0
59.1	12.0	0.0	74.5	6.7	0.0	89.9	1.3	0.0
59.4	12.0	0.0	74.8	6.6	0.0	90.1	1.0	0.0
59.6	11.9	0.0	75.0	6.5	0.0	90.4	1.0	0.0
59.9	11.9	0.0	75.3	6.4	0.0	90.6	1.1	0.0
60.2	11.8	0.0	75.5	6.3	0.0	90.9	1.1	0.0
60.4	11.8	0.0	75.8	6.2	0.0	91.1	1.1	0.0
60.7	11.7	0.0	76.0	6.1	0.0	91.4	1.1	0.0
60.9	11.6	0.0	76.3	6.0	0.0	91.6	1.2	0.0
61.2	11.6	0.0	76.5	5.9	0.0	91.9	1.2	0.0