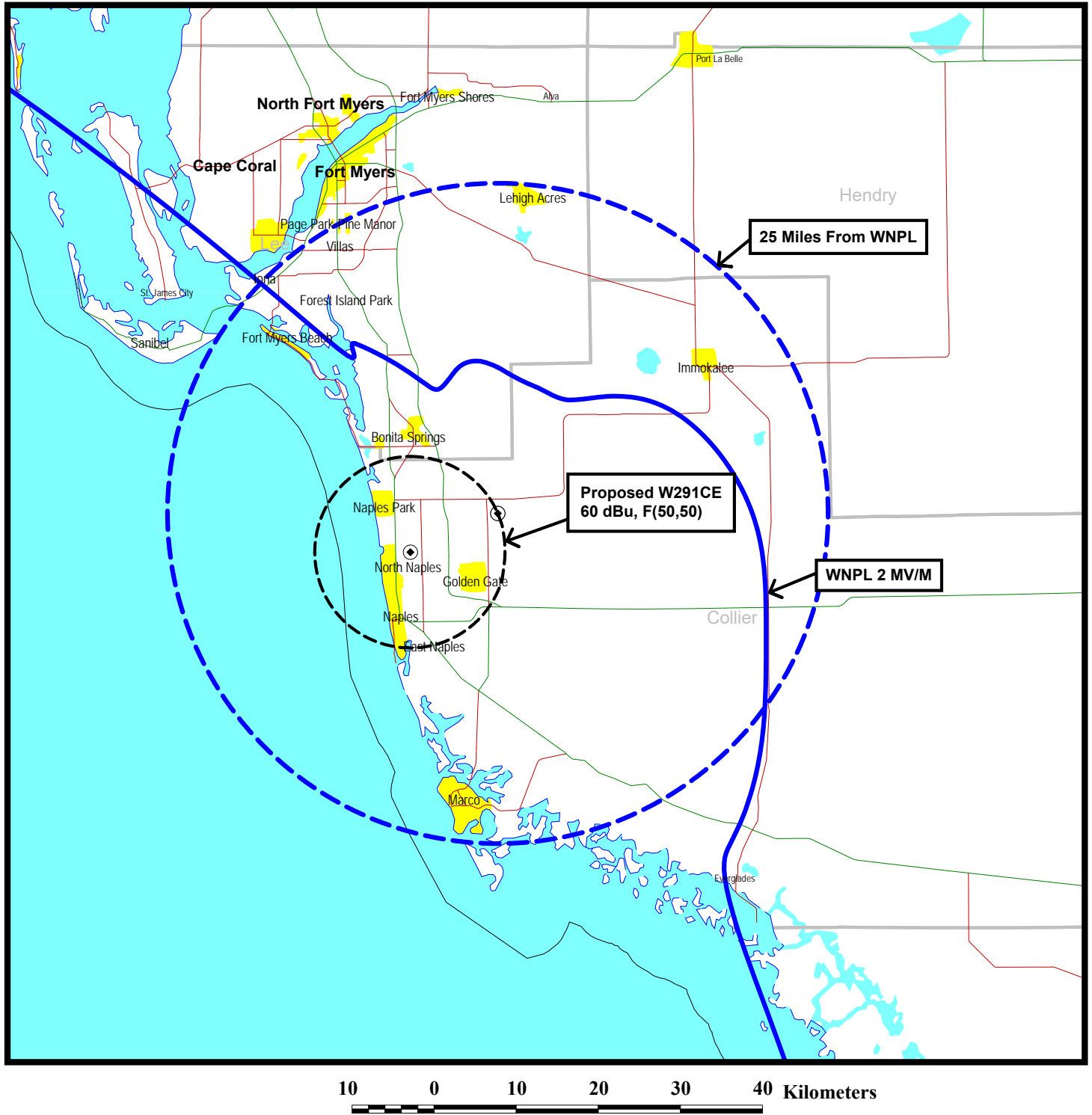


Figure 1



### AM FILL-IN COMPLIANCE MAP

FM TRANSLATOR STATION W291CE  
GOLDEN GATE, FLORIDA  
CH 239 (95.7 MHZ) 0.23 kW (ND)

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

# FM Contour Study

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



**Channel:** 239    **Coordinates:** 026-12-53 081-46-57 (NAD 27)    **ERP:** 0.23 kW    **Max. HAAT:** 84 m    **Considering Only Interference Caused**

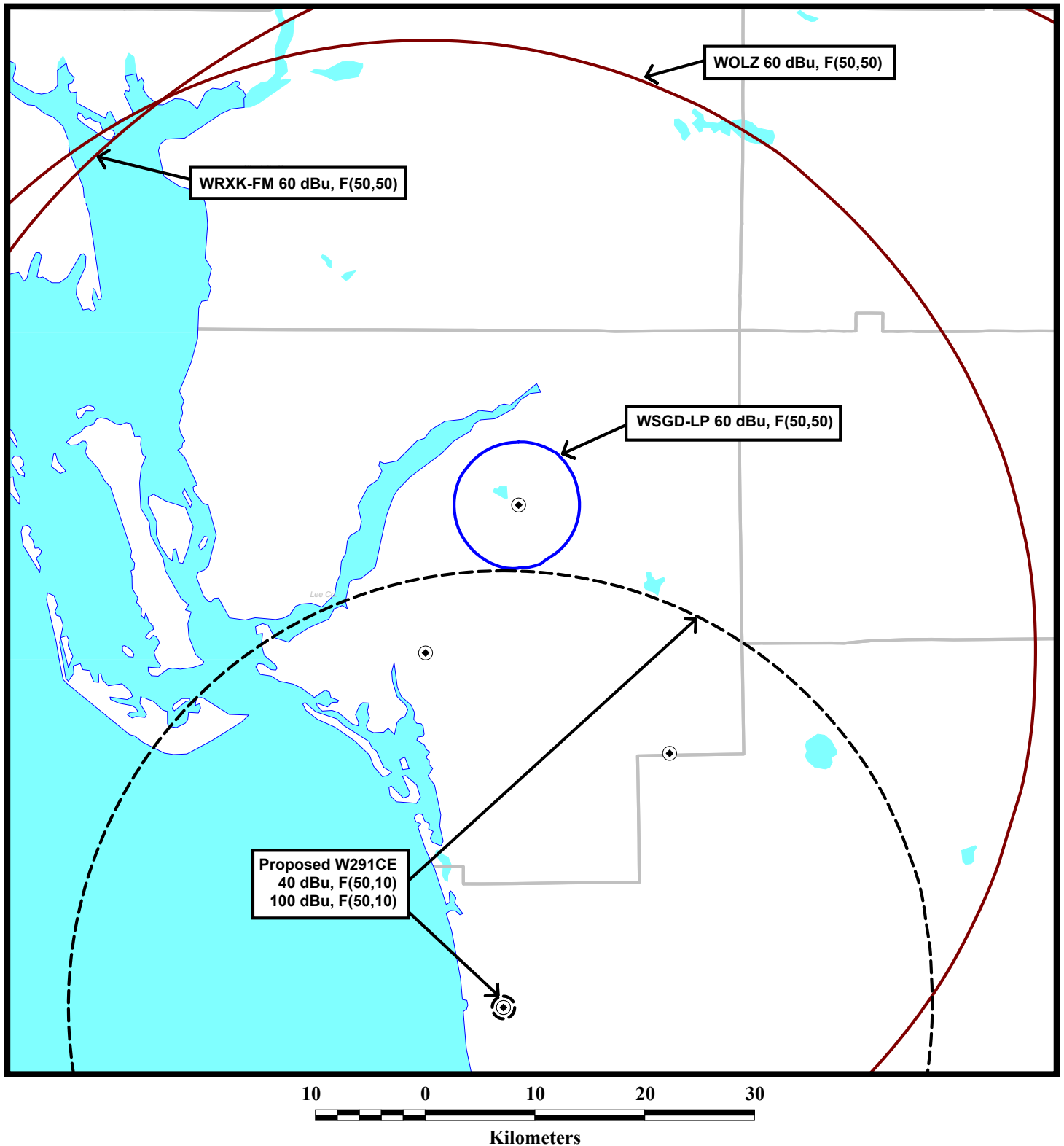
**Comment:** Proposed W291CE

<b>Callsign</b>	<b>Chan.</b>	<b>Service</b>	<b>Status</b>	<b>Freq.</b>	<b>City</b>	<b>State</b>	<b>Co.</b>	<b>Rec.</b>	<b>Latitude</b>	<b>Dist. (km)</b>	<b>Sep. (km)</b>	<b>Spac. (km)</b>
<b>Facility ID</b>	<b>ARN</b>			<b>Class</b>	<b>DA</b>	<b>73.215</b>	<b>ERP (kW)</b>	<b>HAAT (m)</b>	<b>Longitude</b>	<b>Bear. (deg)</b>	<b>Comment</b>	
<b>WOLZ</b>	237	FM	LIC	95.3	FORT MYERS	FL	US	C	26-30-18	32.94	56.81	-23.87
13898	BMLH	20100128AAF	C1	N	Y		79	145	081-51-14	347.59	<b>SHORT</b>	/1
WOLZ 60.0 dBu desired distance: 55.8 km						Proposed 100.0 dBu undesired distance: 1.0 km						
<b>WSGD-LP</b>	239	FL	CP	95.7	LEHIGH ACRES	FL	US	C	26-37-34	45.6	45.36	0.24
194387	BNPL	20131113AHH	L1	N	N		0.034627	50.00526	081-46-07	1.73	<b>CLOSE</b>	/2
WSGD-LP 60.0 dBu desired distance: 5.6 km						Proposed 40.0 dBu undesired distance: 39.8 km						
<b>WRXK-FM</b>	241	FM	LIC	96.1	BONITA SPRINGS	FL	US	C	26-25-22	27.61	76.45	-48.84
73976	BMLH	20000928ABL	C	N	N		100	341	081-37-49	33.22	<b>SHORT</b>	/1
WRXK-FM 60.0 dBu desired distance: 75.4 km						Proposed 100.0 dBu undesired distance: 1.0 km						
<b>WJPT</b>	292	FM	LIC	106.3	FORT MYERS	FL	US	C	26-29-16	33.62	15	18.62
74080	BMLH	20150406ABR	C2	N	N		50	142	081-55-46	334.29	<b>CLEAR</b>	

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

/2 Proposal complies with the contour overlap provisions of Section 74.1204(a). See Exhibit 17 and Figure 3.

Figure 3

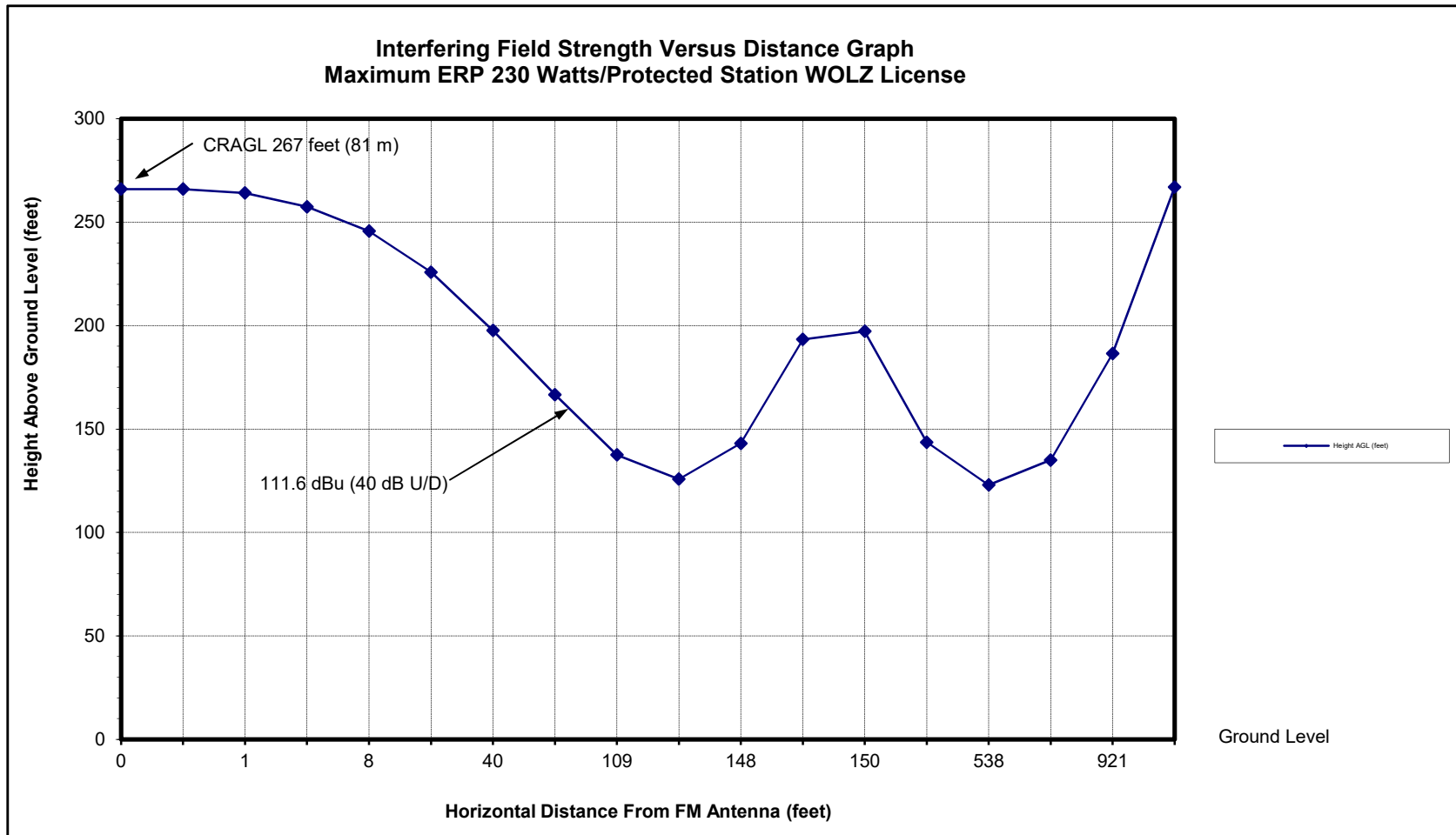


**COMPLIANCE WITH SECTION 74.1204**

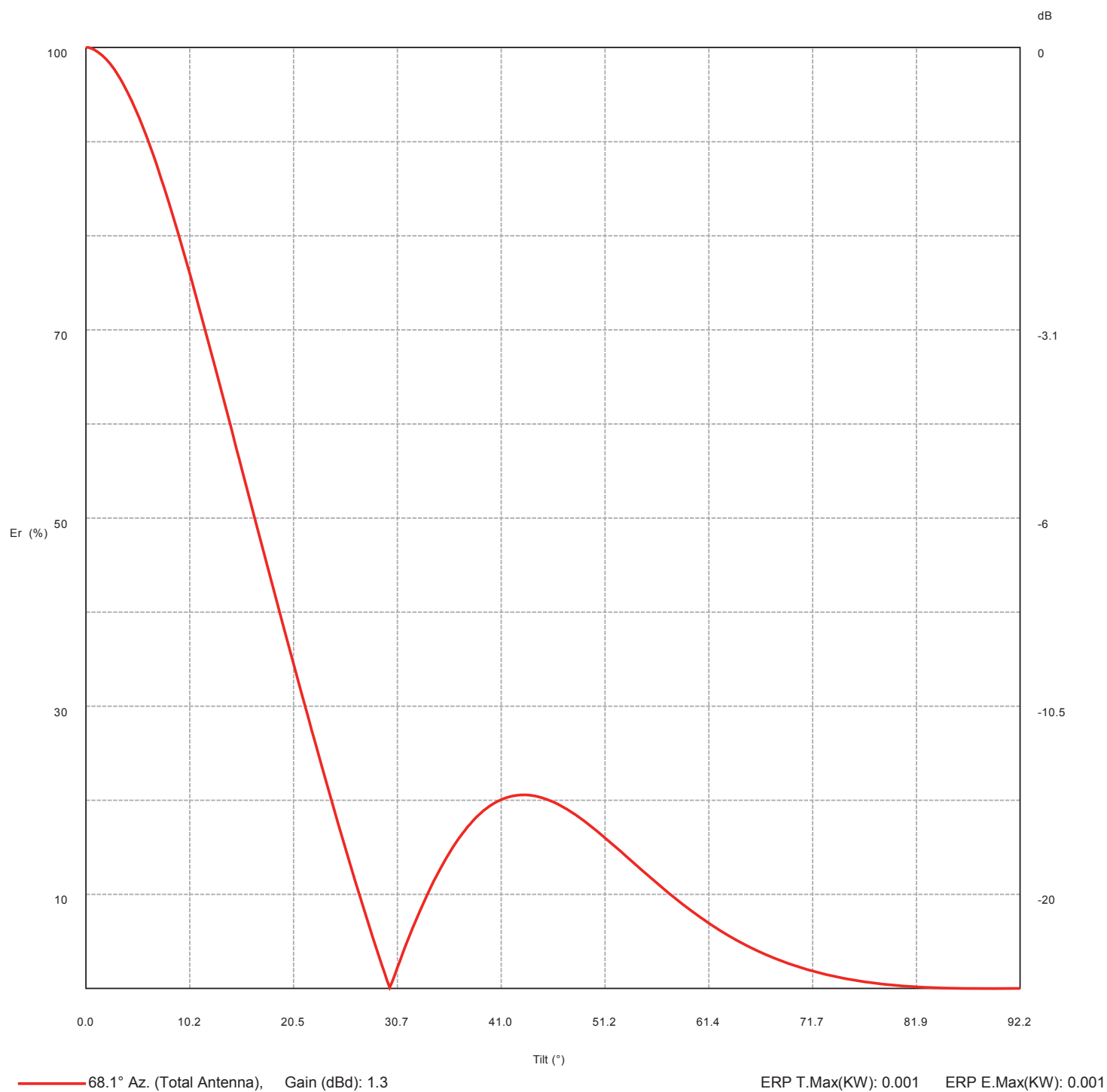
FM TRANSLATOR STATION W291CE  
GOLDEN GATE, FLORIDA  
CH 239 (95.7 MHZ) 0.23 kW (ND)

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

Figure 4



### Vertical diagram at an azimuth of 68.1°



**Vertical diagram at an azimuth of 68.1°**

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	100.1	1.3	15.4	55.2	0.4	30.7	2.2	0.0
0.3	100.0	1.3	15.6	54.2	0.4	31.0	3.0	0.0
0.5	99.9	1.3	15.9	53.1	0.4	31.2	3.7	0.0
0.8	99.8	1.3	16.1	52.1	0.4	31.5	4.4	0.0
1.0	99.6	1.3	16.4	51.0	0.4	31.7	5.1	0.0
1.3	99.4	1.3	16.6	50.0	0.3	32.0	5.8	0.0
1.5	99.2	1.3	16.9	48.9	0.3	32.3	6.5	0.0
1.8	99.0	1.3	17.2	47.9	0.3	32.5	7.2	0.0
2.0	98.7	1.3	17.4	46.8	0.3	32.8	7.8	0.0
2.3	98.4	1.3	17.7	45.8	0.3	33.0	8.4	0.0
2.6	98.0	1.3	17.9	44.8	0.3	33.3	9.1	0.0
2.8	97.7	1.3	18.2	43.7	0.3	33.5	9.7	0.0
3.1	97.2	1.3	18.4	42.7	0.2	33.8	10.3	0.0
3.3	96.8	1.3	18.7	41.6	0.2	34.0	10.8	0.0
3.6	96.3	1.2	18.9	40.6	0.2	34.3	11.4	0.0
3.8	95.8	1.2	19.2	39.6	0.2	34.6	11.9	0.0
4.1	95.2	1.2	19.5	38.5	0.2	34.8	12.5	0.0
4.4	94.7	1.2	19.7	37.5	0.2	35.1	13.0	0.0
4.6	94.1	1.2	20.0	36.5	0.2	35.3	13.5	0.0
4.9	93.5	1.2	20.2	35.5	0.2	35.6	13.9	0.0
5.1	92.9	1.2	20.5	34.5	0.2	35.8	14.4	0.0
5.4	92.2	1.1	20.7	33.4	0.2	36.1	14.8	0.0
5.6	91.5	1.1	21.0	32.4	0.1	36.4	15.3	0.0
5.9	90.8	1.1	21.2	31.4	0.1	36.6	15.7	0.0
6.1	90.1	1.1	21.5	30.4	0.1	36.9	16.1	0.0
6.4	89.3	1.1	21.8	29.4	0.1	37.1	16.4	0.0
6.7	88.5	1.1	22.0	28.4	0.1	37.4	16.8	0.0
6.9	87.7	1.0	22.3	27.4	0.1	37.6	17.1	0.0
7.2	86.9	1.0	22.5	26.4	0.1	37.9	17.5	0.0
7.4	86.0	1.0	22.8	25.4	0.1	38.1	17.8	0.0
7.7	85.2	1.0	23.0	24.4	0.1	38.4	18.1	0.0
7.9	84.3	1.0	23.3	23.5	0.1	38.7	18.3	0.0
8.2	83.5	0.9	23.6	22.5	0.1	38.9	18.6	0.0
8.4	82.6	0.9	23.8	21.5	0.1	39.2	18.8	0.0
8.7	81.7	0.9	24.1	20.5	0.1	39.4	19.1	0.0
9.0	80.7	0.9	24.3	19.6	0.1	39.7	19.3	0.0
9.2	79.8	0.9	24.6	18.6	0.0	39.9	19.5	0.1
9.5	78.9	0.8	24.8	17.7	0.0	40.2	19.6	0.1
9.7	77.9	0.8	25.1	16.7	0.0	40.4	19.8	0.1
10.0	76.9	0.8	25.3	15.8	0.0	40.7	19.9	0.1
10.2	75.9	0.8	25.6	14.8	0.0	41.0	20.1	0.1
10.5	75.0	0.8	25.9	13.9	0.0	41.2	20.2	0.1
10.8	74.0	0.7	26.1	13.0	0.0	41.5	20.3	0.1
11.0	72.9	0.7	26.4	12.1	0.0	41.7	20.4	0.1
11.3	71.9	0.7	26.6	11.2	0.0	42.0	20.4	0.1
11.5	70.9	0.7	26.9	10.3	0.0	42.2	20.5	0.1
11.8	69.9	0.7	27.1	9.4	0.0	42.5	20.5	0.1
12.0	68.9	0.6	27.4	8.5	0.0	42.8	20.6	0.1
12.3	67.9	0.6	27.6	7.6	0.0	43.0	20.6	0.1
12.5	66.8	0.6	27.9	6.7	0.0	43.3	20.6	0.1
12.8	65.8	0.6	28.2	5.9	0.0	43.5	20.6	0.1
13.1	64.7	0.6	28.4	5.0	0.0	43.8	20.5	0.1
13.3	63.7	0.5	28.7	4.2	0.0	44.0	20.5	0.1
13.6	62.6	0.5	28.9	3.3	0.0	44.3	20.4	0.1
13.8	61.6	0.5	29.2	2.5	0.0	44.5	20.4	0.1
14.1	60.5	0.5	29.4	1.7	0.0	44.8	20.3	0.1
14.3	59.5	0.5	29.7	0.9	0.0	45.1	20.2	0.1
14.6	58.4	0.5	30.0	0.1	0.0	45.3	20.1	0.1
14.8	57.3	0.4	30.2	0.7	0.0	45.6	20.0	0.1
15.1	56.3	0.4	30.5	1.5	0.0	45.8	19.9	0.1

**Vertical diagram at an azimuth of 68.1°**

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
46.1	19.8	0.1	61.4	6.9	0.0	76.8	0.7	0.0
46.3	19.7	0.1	61.7	6.8	0.0	77.1	0.7	0.0
46.6	19.6	0.1	62.0	6.6	0.0	77.3	0.6	0.0
46.8	19.4	0.1	62.2	6.4	0.0	77.6	0.6	0.0
47.1	19.3	0.0	62.5	6.2	0.0	77.8	0.5	0.0
47.4	19.1	0.0	62.7	6.1	0.0	78.1	0.5	0.0
47.6	18.9	0.0	63.0	5.9	0.0	78.3	0.5	0.0
47.9	18.8	0.0	63.2	5.7	0.0	78.6	0.5	0.0
48.1	18.6	0.0	63.5	5.6	0.0	78.8	0.4	0.0
48.4	18.4	0.0	63.7	5.4	0.0	79.1	0.4	0.0
48.6	18.2	0.0	64.0	5.2	0.0	79.4	0.4	0.0
48.9	18.0	0.0	64.3	5.1	0.0	79.6	0.3	0.0
49.2	17.8	0.0	64.5	4.9	0.0	79.9	0.3	0.0
49.4	17.6	0.0	64.8	4.8	0.0	80.1	0.3	0.0
49.7	17.4	0.0	65.0	4.6	0.0	80.4	0.3	0.0
49.9	17.1	0.0	65.3	4.5	0.0	80.6	0.3	0.0
50.2	16.9	0.0	65.5	4.4	0.0	80.9	0.2	0.0
50.4	16.7	0.0	65.8	4.2	0.0	81.2	0.2	0.0
50.7	16.5	0.0	66.0	4.1	0.0	81.4	0.2	0.0
50.9	16.2	0.0	66.3	4.0	0.0	81.7	0.2	0.0
51.2	16.0	0.0	66.6	3.8	0.0	81.9	0.2	0.0
51.5	15.8	0.0	66.8	3.7	0.0	82.2	0.1	0.0
51.7	15.5	0.0	67.1	3.6	0.0	82.4	0.1	0.0
52.0	15.3	0.0	67.3	3.5	0.0	82.7	0.1	0.0
52.2	15.1	0.0	67.6	3.4	0.0	82.9	0.1	0.0
52.5	14.8	0.0	67.8	3.3	0.0	83.2	0.1	0.0
52.7	14.6	0.0	68.1	3.1	0.0	83.5	0.1	0.0
53.0	14.3	0.0	68.4	3.0	0.0	83.7	0.1	0.0
53.2	14.1	0.0	68.6	2.9	0.0	84.0	0.1	0.0
53.5	13.9	0.0	68.9	2.8	0.0	84.2	0.1	0.0
53.8	13.6	0.0	69.1	2.7	0.0	84.5	0.0	0.0
54.0	13.4	0.0	69.4	2.6	0.0	84.7	0.0	0.0
54.3	13.1	0.0	69.6	2.5	0.0	85.0	0.0	0.0
54.5	12.9	0.0	69.9	2.4	0.0	85.2	0.0	0.0
54.8	12.6	0.0	70.1	2.3	0.0	85.5	0.0	0.0
55.0	12.4	0.0	70.4	2.3	0.0	85.8	0.0	0.0
55.3	12.1	0.0	70.7	2.2	0.0	86.0	0.0	0.0
55.6	11.9	0.0	70.9	2.1	0.0	86.3	0.0	0.0
55.8	11.7	0.0	71.2	2.0	0.0	86.5	0.0	0.0
56.1	11.4	0.0	71.4	1.9	0.0	86.8	0.0	0.0
56.3	11.2	0.0	71.7	1.8	0.0	87.0	0.0	0.0
56.6	10.9	0.0	71.9	1.8	0.0	87.3	0.0	0.0
56.8	10.7	0.0	72.2	1.7	0.0	87.6	0.0	0.0
57.1	10.5	0.0	72.4	1.6	0.0	87.8	0.0	0.0
57.3	10.3	0.0	72.7	1.6	0.0	88.1	0.0	0.0
57.6	10.0	0.0	73.0	1.5	0.0	88.3	0.0	0.0
57.9	9.8	0.0	73.2	1.4	0.0	88.6	0.0	0.0
58.1	9.6	0.0	73.5	1.4	0.0	88.8	0.0	0.0
58.4	9.4	0.0	73.7	1.3	0.0	89.1	0.0	0.0
58.6	9.1	0.0	74.0	1.2	0.0	89.3	0.0	0.0
58.9	8.9	0.0	74.2	1.2	0.0	89.6	0.0	0.0
59.1	8.7	0.0	74.5	1.1	0.0	89.9	0.0	0.0
59.4	8.5	0.0	74.8	1.1	0.0	90.1	0.0	0.0
59.6	8.3	0.0	75.0	1.0	0.0	90.4	0.0	0.0
59.9	8.1	0.0	75.3	1.0	0.0	90.6	0.0	0.0
60.2	7.9	0.0	75.5	0.9	0.0	90.9	0.0	0.0
60.4	7.7	0.0	75.8	0.9	0.0	91.1	0.0	0.0
60.7	7.5	0.0	76.0	0.8	0.0	91.4	0.0	0.0
60.9	7.3	0.0	76.3	0.8	0.0	91.6	0.0	0.0
61.2	7.1	0.0	76.5	0.7	0.0	91.9	0.0	0.0