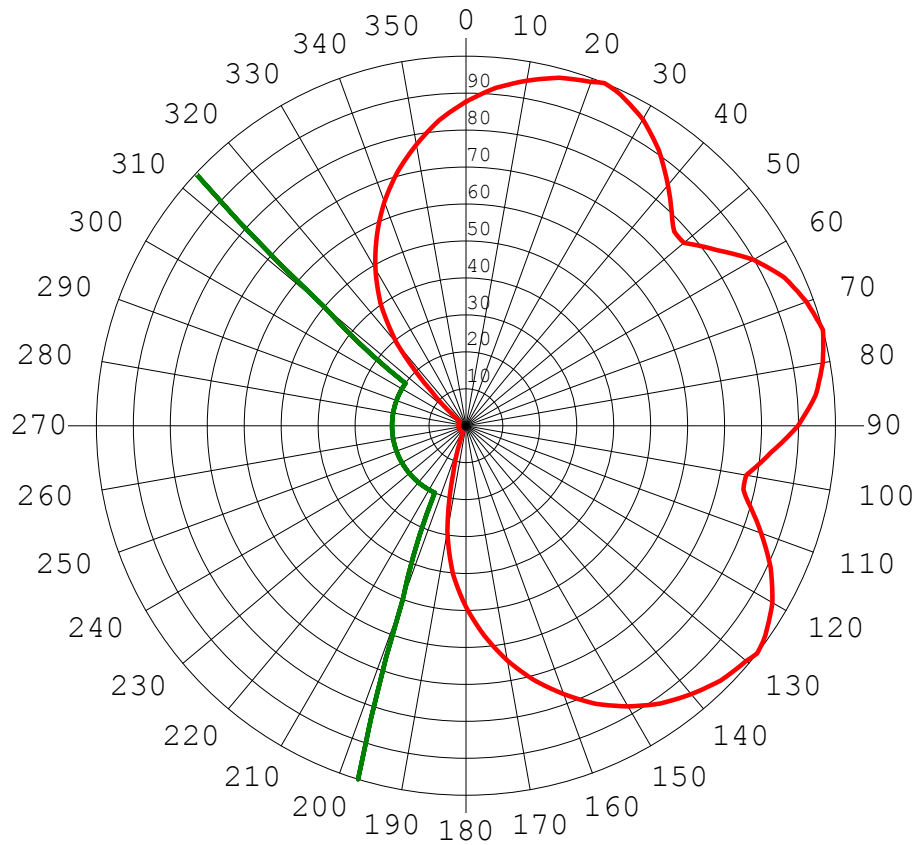


Azimuth Pattern - 4DR-HW - rotate 75 Deg.

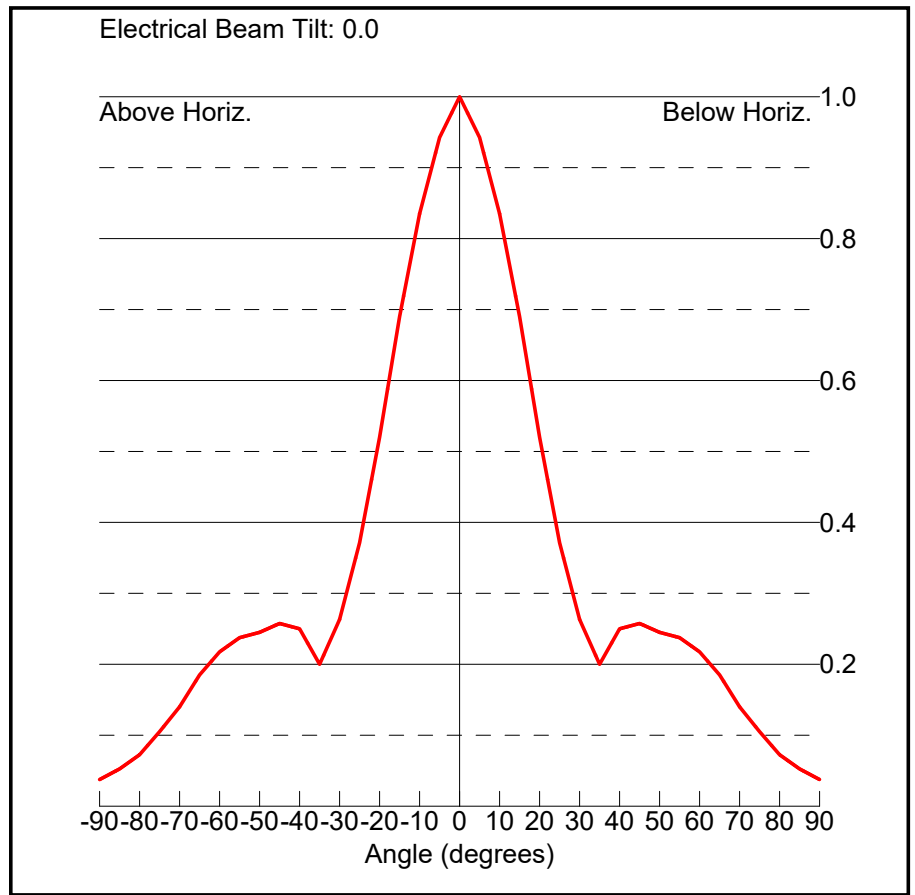


Azi	Rel	dBk	kW	dB	Azi	Rel	dBk	kW	dB
0	1.000	3.01	2.000	0.00	180	0.020	-30.97	0.001	-33.98
10	0.950	2.56	1.805	-0.45	190	0.020	-30.97	0.001	-33.98
20	0.828	1.38	1.373	-1.63	200	0.020	-30.97	0.001	-33.98
30	0.790	0.96	1.247	-2.05	210	0.020	-30.97	0.001	-33.98
40	0.910	2.19	1.656	-0.82	220	0.020	-30.97	0.001	-33.98
50	0.989	2.91	1.956	-0.10	230	0.020	-30.97	0.001	-33.98
60	0.975	2.79	1.901	-0.22	240	0.132	-14.55	0.035	-17.56
70	0.918	2.26	1.684	-0.75	250	0.402	-4.89	0.324	-7.90
80	0.830	1.39	1.378	-1.62	260	0.570	-1.87	0.650	-4.88
90	0.712	0.07	1.015	-2.94	270	0.712	0.07	1.015	-2.94
100	0.570	-1.87	0.650	-4.88	280	0.830	1.39	1.378	-1.62
110	0.402	-4.89	0.324	-7.90	290	0.918	2.26	1.684	-0.75
120	0.132	-14.55	0.035	-17.56	300	0.975	2.79	1.901	-0.22
130	0.020	-30.97	0.001	-33.98	310	0.989	2.91	1.956	-0.10
140	0.020	-30.97	0.001	-33.98	320	0.910	2.19	1.656	-0.82
150	0.020	-30.97	0.001	-33.98	330	0.790	0.96	1.247	-2.05
160	0.020	-30.97	0.001	-33.98	340	0.828	1.38	1.373	-1.63
170	0.020	-30.97	0.001	-33.98	350	0.950	2.56	1.805	-0.45

Rotation Angle = 75

Vertical Elevation Pattern

Angle (deg)	Relative Field
-90.0	0.038
-89.0	0.041
-88.0	0.044
-87.0	0.047
-86.0	0.05
-85.0	0.053
-84.0	0.057
-83.0	0.061
-82.0	0.065
-81.0	0.069
-80.0	0.073
-79.0	0.079
-78.0	0.086
-77.0	0.092
-76.0	0.099
-75.0	0.105
-74.0	0.112
-73.0	0.119
-72.0	0.126
-71.0	0.133
-70.0	0.14
-69.0	0.149
-68.0	0.158
-67.0	0.167
-66.0	0.176
-65.0	0.185
-64.0	0.192
-63.0	0.198
-62.0	0.205
-61.0	0.211
-60.0	0.218
-59.0	0.222
-58.0	0.226
-57.0	0.23
-56.0	0.234
-55.0	0.238
-54.0	0.239
-53.0	0.241
-52.0	0.242
-51.0	0.244
-50.0	0.245
-49.0	0.248
-48.0	0.25
-47.0	0.253
-46.0	0.255
-45.0	0.258
-44.0	0.256
-43.0	0.255



-42.0	0.253
-41.0	0.252
-40.0	0.25
-39.0	0.24
-38.0	0.23
-37.0	0.22
-36.0	0.21
-35.0	0.2
-34.0	0.213
-33.0	0.225
-32.0	0.238
-31.0	0.251
-30.0	0.263
-29.0	0.285
-28.0	0.306
-27.0	0.328
-26.0	0.35
-25.0	0.371
-24.0	0.401
-23.0	0.431
-22.0	0.461
-21.0	0.49

-20.0	0.52	32.0	0.238
-19.0	0.554	33.0	0.225
-18.0	0.588	34.0	0.213
-17.0	0.622	35.0	0.2
-16.0	0.656	36.0	0.21
-15.0	0.69	37.0	0.22
-14.0	0.719	38.0	0.23
-13.0	0.748	39.0	0.24
-12.0	0.777	40.0	0.25
-11.0	0.806	41.0	0.252
-10.0	0.835	42.0	0.253
-9.0	0.857	43.0	0.255
-8.0	0.878	44.0	0.256
-7.0	0.9	45.0	0.258
-6.0	0.921	46.0	0.255
-5.0	0.943	47.0	0.253
-4.0	0.954	48.0	0.25
-3.0	0.966	49.0	0.248
-2.0	0.977	50.0	0.245
-1.0	0.989	51.0	0.244
0.0	1.0	52.0	0.242
1.0	0.989	53.0	0.241
2.0	0.977	54.0	0.239
3.0	0.966	55.0	0.238
4.0	0.954	56.0	0.234
5.0	0.943	57.0	0.23
6.0	0.921	58.0	0.226
7.0	0.9	59.0	0.222
8.0	0.878	60.0	0.218
9.0	0.857	61.0	0.211
10.0	0.835	62.0	0.205
11.0	0.806	63.0	0.198
12.0	0.777	64.0	0.192
13.0	0.748	65.0	0.185
14.0	0.719	66.0	0.176
15.0	0.69	67.0	0.167
16.0	0.656	68.0	0.158
17.0	0.622	69.0	0.149
18.0	0.588	70.0	0.14
19.0	0.554	71.0	0.133
20.0	0.52	72.0	0.126
21.0	0.49	73.0	0.119
22.0	0.461	74.0	0.112
23.0	0.431	75.0	0.105
24.0	0.401	76.0	0.099
25.0	0.371	77.0	0.092
26.0	0.35	78.0	0.086
27.0	0.328	79.0	0.079
28.0	0.306	80.0	0.073
29.0	0.285	81.0	0.069
30.0	0.263	82.0	0.065
31.0	0.251	83.0	0.061

N. Lat. = 414454.0 W. Lng. = 1224204.6
 HAAT and Distance to Contour,
 FCC OET,TV 3.2 - 16.1, 130 pts - FCC 30 Meter

K49IG-D, Depression Angle D.T.C. Coverage

Azi.	AV EL	HAAT	ERP kW	dBk	Field	DAng	VFld	D-kW	%Max	D-dBk	51-F9
000	882.6	611.4	1.5383	1.87	0.877	0.685	0.992	1.5383	99.2	1.87	53.03
010	878.8	615.2	1.7974	2.55	0.948	0.687	0.992	1.7974	99.2	2.55	54.08
020	1082.4	411.6	1.9602	2.92	0.990	0.562	0.994	1.9602	99.4	2.92	49.26
030	971.8	522.2	1.8355	2.64	0.958	0.633	0.993	1.8355	99.3	2.64	52.34
040	1027.9	466.1	1.4450	1.60	0.850	0.598	0.993	1.4450	99.3	1.60	48.99
050	942.1	551.9	1.1858	0.74	0.770	0.651	0.993	1.1858	99.3	0.74	50.44
060	1025.3	468.7	1.6128	2.08	0.898	0.600	0.993	1.6128	99.3	2.08	49.76
070	894.8	599.2	1.9208	2.83	0.980	0.678	0.992	1.9208	99.2	2.83	54.23
080	855.2	638.8	1.9208	2.83	0.980	0.700	0.992	1.9208	99.2	2.83	54.91
090	811.8	682.2	1.6128	2.08	0.898	0.724	0.992	1.6128	99.2	2.08	54.56
100	801.8	692.2	1.1858	0.74	0.770	0.729	0.992	1.1858	99.2	0.74	52.72
110	801.6	692.4	1.4450	1.60	0.850	0.729	0.992	1.4450	99.2	1.60	54.02
120	842.4	651.6	1.8355	2.64	0.958	0.707	0.992	1.8355	99.2	2.64	54.85
130	920.9	573.1	1.9602	2.92	0.990	0.663	0.992	1.9602	99.2	2.92	53.91
140	887.7	606.3	1.7974	2.55	0.948	0.682	0.992	1.7974	99.2	2.55	53.94
150	1029.4	464.6	1.5383	1.87	0.877	0.597	0.993	1.5383	99.3	1.87	49.32
160	1090.4	403.6	1.1920	0.76	0.772	0.556	0.994	1.1920	99.4	0.76	46.11
170	1215.7	278.3	0.8321	-0.80	0.645	0.462	0.995	0.8321	99.5	-0.80	38.87
180	1181.3	312.7	0.4802	-3.19	0.490	0.490	0.994	0.4802	99.4	-3.19	37.33
190	1214.5	279.5	0.1682	-7.74	0.290	0.463	0.995	0.1682	99.5	-7.74	30.17
200	1115.2	378.8	0.0050	-23.01	0.050	0.539	0.994	0.0050	99.4	-23.01	15.70
210	1306.0	188.0	0.0008	-30.97	0.020	0.380	0.996	0.0008	99.6	-30.97	7.06
220	1488.0	6.0	0.0008	-30.97	0.020	0.068	0.999	0.0008	99.9	-30.97	2.88
230	1213.6	280.4	0.0008	-30.97	0.020	0.464	0.995	0.0008	99.5	-30.97	8.27
240	1187.2	306.8	0.0008	-30.97	0.020	0.485	0.994	0.0008	99.4	-30.97	8.57
250	1317.1	176.9	0.0008	-30.97	0.020	0.368	0.996	0.0008	99.6	-30.97	6.89
260	1473.3	20.7	0.0008	-30.97	0.020	0.126	0.999	0.0008	99.9	-30.97	2.88
270	1502.9	-8.9	0.0008	-30.97	0.020	0.000	0.999	0.0008	N/A	N/A	2.88
280	1339.8	154.2	0.0008	-30.97	0.020	0.344	0.996	0.0008	99.6	-30.97	6.44
290	1115.1	378.9	0.0008	-30.97	0.020	0.539	0.994	0.0008	99.4	-30.97	9.29
300	978.0	516.0	0.0008	-30.97	0.020	0.629	0.993	0.0008	99.3	-30.97	10.68
310	893.4	600.6	0.0050	-23.01	0.050	0.679	0.992	0.0050	99.2	-23.01	19.43
320	1016.5	477.5	0.1682	-7.74	0.290	0.605	0.993	0.1682	99.3	-7.74	36.41
330	1033.2	460.8	0.4802	-3.19	0.490	0.595	0.993	0.4802	99.3	-3.19	42.16
340	1032.2	461.8	0.8321	-0.80	0.645	0.595	0.993	0.8321	99.3	-0.80	45.48
350	950.8	543.2	1.1920	0.76	0.772	0.646	0.993	1.1920	99.3	0.76	50.28

Ave El= 1064.47 M HAAT= 429.53 M AMSL= 1494 M