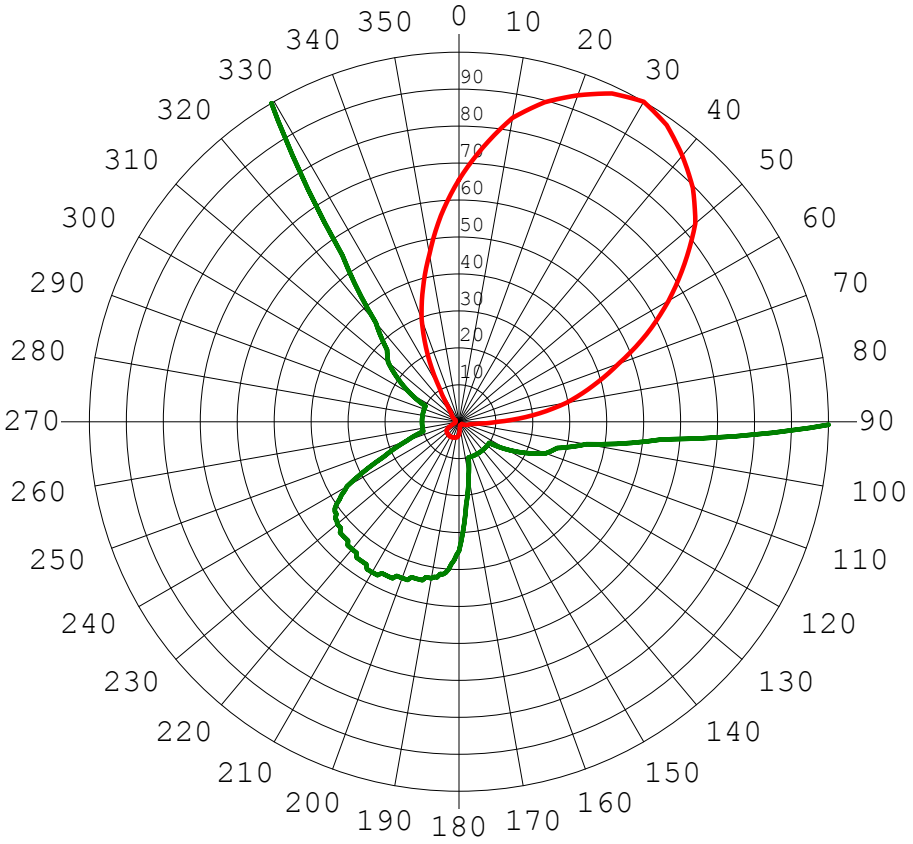
CL-26 Azimuth Pattern - rotated 30 Deg.

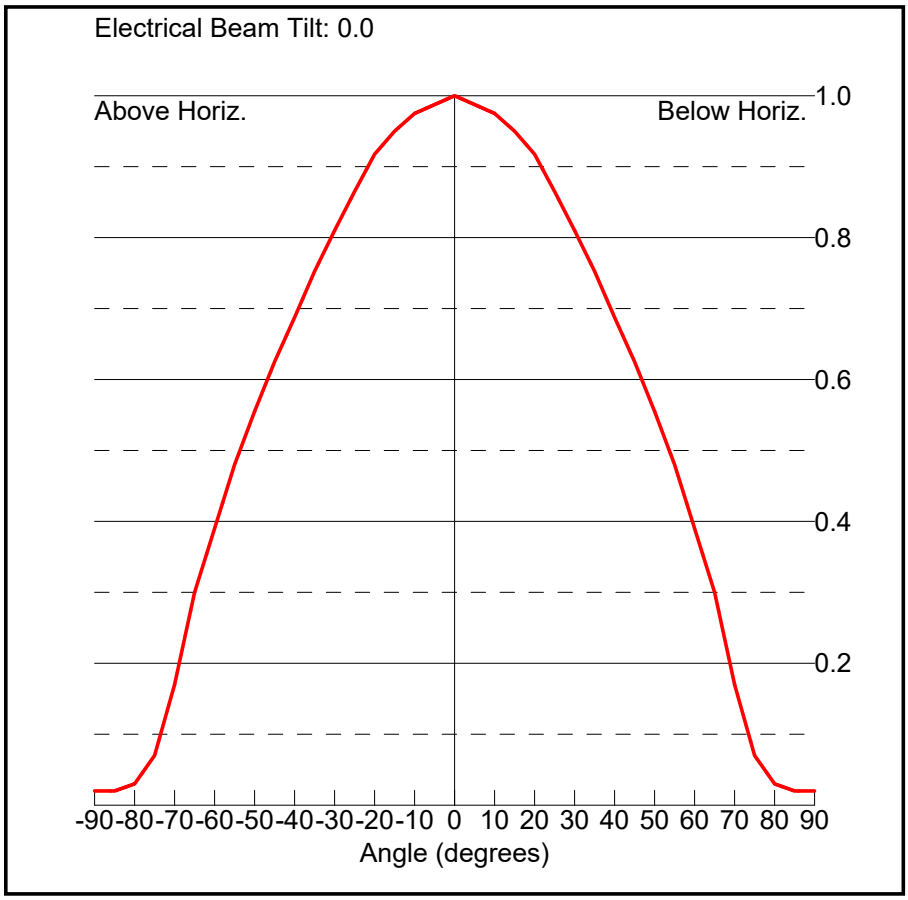


Azi	Rel	dBk	kW	dB
0	1.000	-3.01	0.500	0.00
10	0.940	-3.55	0.442	-0.54
20	0.835	-4.58	0.349	-1.57
30	0.655	-6.69	0.215	-3.68
40	0.460	-9.76	0.106	-6.74
50	0.295	-13.61	0.044	-10.60
60	0.105	-22.59	0.006	-19.58
70	0.035	-32.13	0.001	-29.12
80	0.025	-35.05	0.000	-32.04
90	0.015	-39.49	0.000	-36.48
100	0.010	-43.01	0.000	-40.00
110	0.010	-43.01	0.000	-40.00
120	0.010	-43.01	0.000	-40.00
130	0.010	-43.01	0.000	-40.00
140	0.015	-39.49	0.000	-36.48
150	0.035	-32.13	0.001	-29.12
160	0.043	-30.34	0.001	-27.33
170	0.045	-29.95	0.001	-26.94

Azi	Rel	dBk	kW	dB
180	0.047	-29.57	0.001	-26.56
190	0.045	-29.95	0.001	-26.94
200	0.043	-30.34	0.001	-27.33
210	0.035	-32.13	0.001	-29.12
220	0.015	-39.49	0.000	-36.48
230	0.010	-43.01	0.000	-40.00
240	0.010	-43.01	0.000	-40.00
250	0.010	-43.01	0.000	-40.00
260	0.010	-43.01	0.000	-40.00
270	0.015	-39.49	0.000	-36.48
280	0.025	-35.05	0.000	-32.04
290	0.035	-32.13	0.001	-29.12
300	0.105	-22.59	0.006	-19.58
310	0.295	-13.61	0.044	-10.60
320	0.460	-9.76	0.106	-6.74
330	0.655	-6.69	0.215	-3.68
340	0.835	-4.58	0.349	-1.57
350	0.940	-3.55	0.442	-0.54

Rotation Angle = 30

CL-26_Vertical Elevation Pattern



Angle (deg)	Relative Field
-90.0	0.02
-89.0	0.02
-88.0	0.02
-87.0	0.02
-86.0	0.02
-85.0	0.02
-84.0	0.022
-83.0	0.024
-82.0	0.026
-81.0	0.028
-80.0	0.03
-79.0	0.038
-78.0	0.046
-77.0	0.054
-76.0	0.062
-75.0	0.07
-74.0	0.09
-73.0	0.11
-72.0	0.13
-71.0	0.15
-70.0	0.17
-69.0	0.196
-68.0	0.222
-67.0	0.248
-66.0	0.274
-65.0	0.3
-64.0	0.318
-63.0	0.336
-62.0	0.354
-61.0	0.372
-60.0	0.39
-59.0	0.408
-58.0	0.426
-57.0	0.444
-56.0	0.462
-55.0	0.48
-54.0	0.495
-53.0	0.51
-52.0	0.525
-51.0	0.54
-50.0	0.555
-49.0	0.569
-48.0	0.583
-47.0	0.597
-46.0	0.611
-45.0	0.625
-44.0	0.638
-43.0	0.65
-42.0	0.663
-41.0	0.675
-40.0	0.688
-39.0	0.701
-38.0	0.714
-37.0	0.727
-36.0	0.74
-35.0	0.753
-34.0	0.764
-33.0	0.776
-32.0	0.787
-31.0	0.799
-30.0	0.81
-29.0	0.821
-28.0	0.832
-27.0	0.843
-26.0	0.854
-25.0	0.865
-24.0	0.876
-23.0	0.886
-22.0	0.897
-21.0	0.907

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-20.0	0.918	32.0	0.787
-19.0	0.924	33.0	0.776
-18.0	0.931	34.0	0.764
-17.0	0.937	35.0	0.753
-16.0	0.944	36.0	0.74
-15.0	0.95	37.0	0.727
-14.0	0.955	38.0	0.714
-13.0	0.96	39.0	0.701
-12.0	0.965	40.0	0.688
-11.0	0.97	41.0	0.675
-10.0	0.975	42.0	0.663
-9.0	0.978	43.0	0.65
-8.0	0.98	44.0	0.638
-7.0	0.983	45.0	0.625
-6.0	0.985	46.0	0.611
-5.0	0.988	47.0	0.597
-4.0	0.99	48.0	0.583
-3.0	0.993	49.0	0.569
-2.0	0.995	50.0	0.555
-1.0	0.998	51.0	0.54
0.0	1.0	52.0	0.525
1.0	0.998	53.0	0.51
2.0	0.995	54.0	0.495
3.0	0.993	55.0	0.48
4.0	0.99	56.0	0.462
5.0	0.988	57.0	0.444
6.0	0.985	58.0	0.426
7.0	0.983	59.0	0.408
8.0	0.98	60.0	0.39
9.0	0.978	61.0	0.372
10.0	0.975	62.0	0.354
11.0	0.97	63.0	0.336
12.0	0.965	64.0	0.318
13.0	0.96	65.0	0.3
14.0	0.955	66.0	0.274
15.0	0.95	67.0	0.248
16.0	0.944	68.0	0.222
17.0	0.937	69.0	0.196
18.0	0.931	70.0	0.17
19.0	0.924	71.0	0.15
20.0	0.918	72.0	0.13
21.0	0.907	73.0	0.11
22.0	0.897	74.0	0.09
23.0	0.886	75.0	0.07
24.0	0.876	76.0	0.062
25.0	0.865	77.0	0.054
26.0	0.854	78.0	0.046
27.0	0.843	79.0	0.038
28.0	0.832	80.0	0.03
29.0	0.821	81.0	0.028
30.0	0.81	82.0	0.026
31.0	0.799	83.0	0.024

N. Lat. = 44-00-10.6   W. Lng. = 123-06-47.7
HAAT and Distance to Contour,
FCC OET,TV 3.2 - 16.1, 130 pts - FCC 30 Meter

Depression Angle - Distance to Contour

Azi.	AV EL	HAAT	ERP kW	dBk	Field	DAng	VFld	D-kW	%Max	D-dBk	43-F9
000	119.5	374.5	0.2145	-6.69	0.655	0.536	0.999	0.2145	99.9	-6.69	49.31
010	124.4	369.6	0.3486	-4.58	0.835	0.533	0.999	0.3486	99.9	-4.58	52.94
020	131.3	362.7	0.4418	-3.55	0.940	0.528	0.999	0.4418	99.9	-3.55	54.49
030	172.0	322.0	0.5000	-3.01	1.000	0.497	0.999	0.5000	99.9	-3.01	53.41
040	193.4	300.6	0.4418	-3.55	0.940	0.480	0.999	0.4418	99.9	-3.55	51.26
050	148.4	345.6	0.3486	-4.58	0.835	0.515	0.999	0.3486	99.9	-4.58	51.79
060	163.0	331.0	0.2145	-6.69	0.655	0.504	0.999	0.2145	99.9	-6.69	47.20
070	182.6	311.4	0.1058	-9.76	0.460	0.489	0.999	0.1058	99.9	-9.76	41.17
080	167.5	326.5	0.0435	-13.61	0.295	0.500	0.999	0.0435	99.9	-13.61	35.91
090	206.0	288.0	0.0055	-22.59	0.105	0.470	0.999	0.0055	99.9	-22.59	21.55
100	177.2	316.8	0.0006	-32.13	0.035	0.493	0.999	0.0006	99.9	-32.13	13.69
110	199.9	294.1	0.0003	-35.05	0.025	0.475	0.999	0.0003	99.9	-35.05	11.23
120	187.8	306.2	0.0001	-39.49	0.015	0.485	0.999	0.0001	99.9	-39.49	8.75
130	195.1	298.9	0.0001	-43.01	0.010	0.479	0.999	0.0001	99.9	-43.01	6.78
140	194.8	299.2	0.0001	-43.01	0.010	0.479	0.999	0.0001	99.9	-43.01	6.78
150	192.7	301.3	0.0001	-43.01	0.010	0.481	0.999	0.0001	99.9	-43.01	6.80
160	225.1	268.9	0.0001	-43.01	0.010	0.454	0.999	0.0001	99.9	-43.01	6.47
170	289.3	204.7	0.0001	-39.49	0.015	0.396	0.999	0.0001	99.9	-39.49	7.13
180	315.1	178.9	0.0006	-32.13	0.035	0.370	0.999	0.0006	99.9	-32.13	10.38
190	311.3	182.7	0.0009	-30.34	0.043	0.374	0.999	0.0009	99.9	-30.34	11.58
200	311.0	183.0	0.0010	-29.95	0.045	0.375	0.999	0.0010	99.9	-29.95	11.84
210	287.3	206.7	0.0011	-29.57	0.047	0.398	0.999	0.0011	99.9	-29.57	12.79
220	254.9	239.1	0.0010	-29.95	0.045	0.428	0.999	0.0010	99.9	-29.95	13.43
230	212.9	281.1	0.0009	-30.34	0.043	0.464	0.999	0.0009	99.9	-30.34	14.26
240	202.4	291.6	0.0006	-32.13	0.035	0.473	0.999	0.0006	99.9	-32.13	13.16
250	178.4	315.6	0.0001	-39.49	0.015	0.492	0.999	0.0001	99.9	-39.49	8.88
260	176.1	317.9	0.0001	-43.01	0.010	0.494	0.999	0.0001	99.9	-43.01	6.94
270	161.4	332.6	0.0001	-43.01	0.010	0.505	0.999	0.0001	99.9	-43.01	7.06
280	176.4	317.6	0.0001	-43.01	0.010	0.494	0.999	0.0001	99.9	-43.01	6.93
290	165.8	328.2	0.0001	-43.01	0.010	0.502	0.999	0.0001	99.9	-43.01	7.02
300	154.1	339.9	0.0001	-39.49	0.015	0.511	0.999	0.0001	99.9	-39.49	9.19
310	135.4	358.6	0.0003	-35.05	0.025	0.525	0.999	0.0003	99.9	-35.05	12.36
320	123.1	370.9	0.0006	-32.13	0.035	0.533	0.999	0.0006	99.9	-32.13	14.80
330	126.2	367.8	0.0055	-22.59	0.105	0.531	0.999	0.0055	99.9	-22.59	24.05
340	123.4	370.6	0.0435	-13.61	0.295	0.533	0.999	0.0435	99.9	-13.61	37.79
350	121.3	372.7	0.1058	-9.76	0.460	0.535	0.999	0.1058	99.9	-9.76	43.92

Ave El= 189.07 M HAAT= 304.93 M AMSL= 494 M