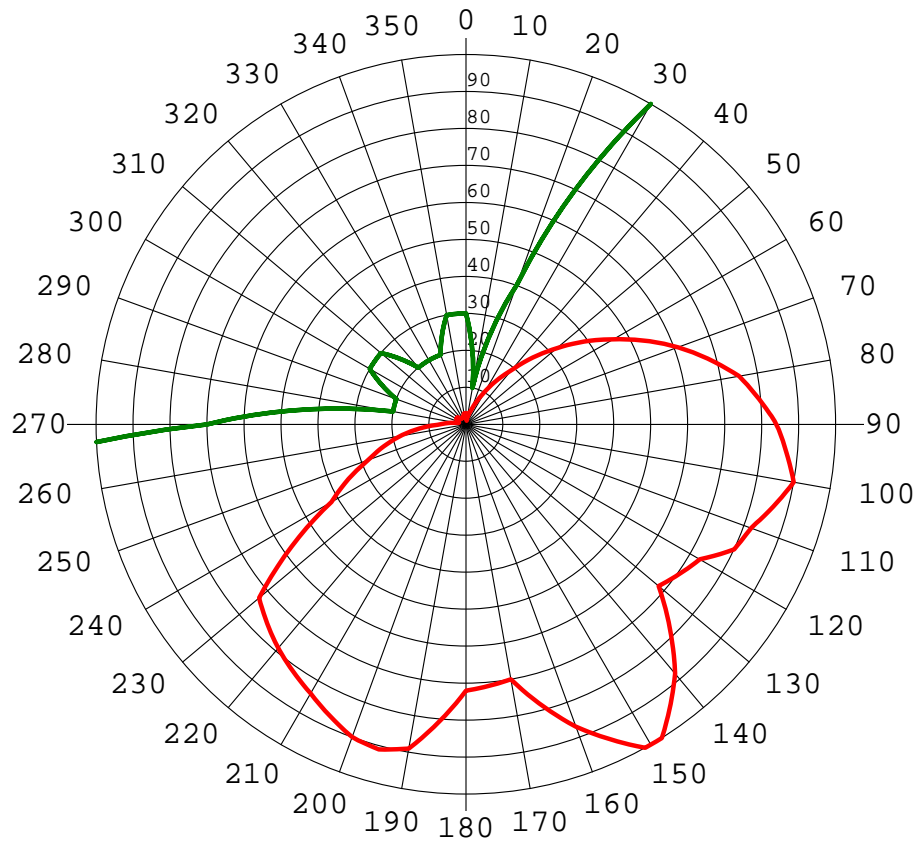


Horizontal Azimuth Pattern



Azi	Rel	dBk	kW	dB	Azi	Rel	dBk	kW	dB
0	0.030	-20.46	0.009	-30.46	180	0.720	7.15	5.184	-2.85
10	0.010	-30.00	0.001	-40.00	190	0.890	8.99	7.921	-1.01
20	0.040	-17.96	0.016	-27.96	200	0.900	9.08	8.100	-0.92
30	0.100	-10.00	0.100	-20.00	210	0.840	8.49	7.056	-1.51
40	0.190	-4.42	0.361	-14.42	220	0.790	7.95	6.241	-2.05
50	0.320	0.10	1.024	-9.90	230	0.730	7.27	5.329	-2.73
60	0.460	3.26	2.116	-6.74	240	0.420	2.46	1.764	-7.54
70	0.610	5.71	3.721	-4.29	250	0.280	-1.06	0.784	-11.06
80	0.750	7.50	5.625	-2.50	260	0.180	-4.89	0.324	-14.89
90	0.840	8.49	7.056	-1.51	270	0.070	-13.10	0.049	-23.10
100	0.900	9.08	8.100	-0.92	280	0.020	-23.98	0.004	-33.98
110	0.820	8.28	6.724	-1.72	290	0.020	-23.98	0.004	-33.98
120	0.730	7.27	5.329	-2.73	300	0.030	-20.46	0.009	-30.46
130	0.680	6.65	4.624	-3.35	310	0.030	-20.46	0.009	-30.46
140	0.880	8.89	7.744	-1.11	320	0.020	-23.98	0.004	-33.98
150	1.000	10.00	10.000	0.00	330	0.020	-23.98	0.004	-33.98
160	0.870	8.79	7.569	-1.21	340	0.020	-23.98	0.004	-33.98
170	0.700	6.90	4.900	-3.10	350	0.030	-20.46	0.009	-30.46

Rotation Angle = 0

Additional Points

Azi	Rel	dBk	kW	dB
115	0.800	8.06	6.400	-1.94
148	1.000	10.00	10.000	0.00
149	1.000	10.00	10.000	0.00

Azi	Rel	dBk	kW	dB
151	1.000	10.00	10.000	0.00
195	0.910	9.18	8.281	-0.82

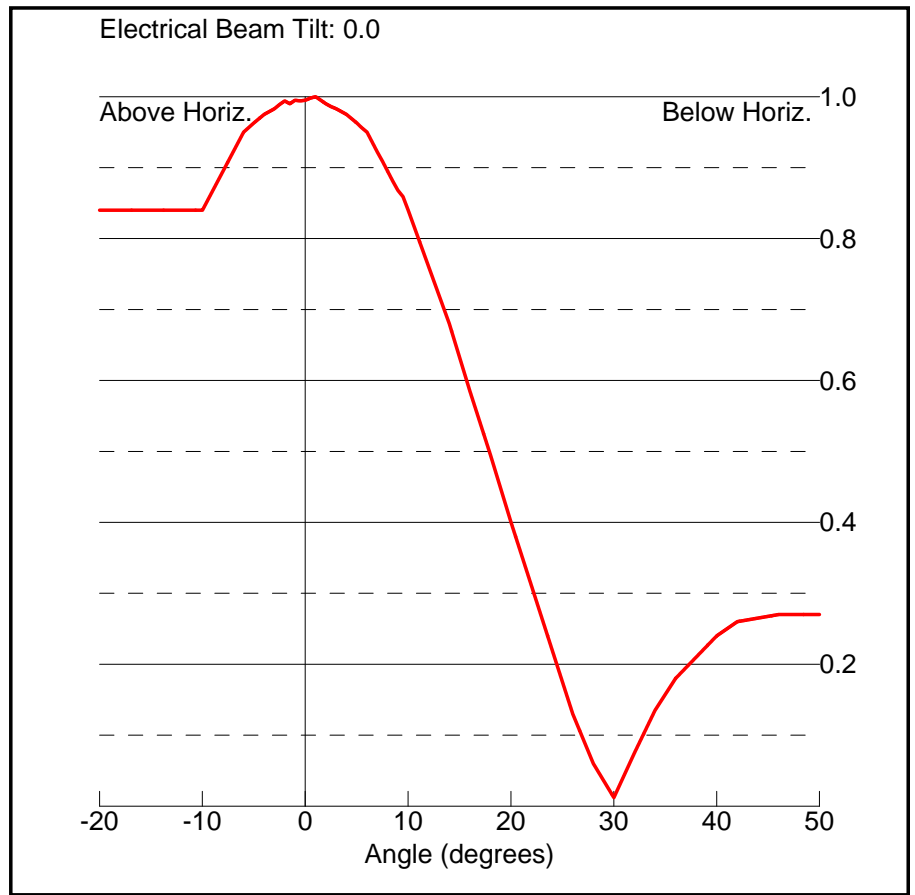
Minor Lobes.

127	0.670	6.78	4.761	-3.22
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173	0.695	6.84	5.013	-2.999
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Vertical Elevation Pattern

Angle (deg)	Relative Field
-10.0	0.84
-8.0	0.895
-6.0	0.95
-5.0	0.963
-4.5	0.969
-4.0	0.975
-3.5	0.979
-3.0	0.983
-2.5	0.989
-2.0	0.994
-1.5	0.99
-1.0	0.995
-0.5	0.994
0.0	0.995
0.5	0.998
1.0	1.0
1.5	0.995
2.0	0.99
2.5	0.986
3.0	0.983
3.5	0.979
4.0	0.975
4.5	0.969
5.0	0.963
5.5	0.956
6.0	0.95
6.5	0.936
7.0	0.922
7.5	0.909
8.0	0.895
8.5	0.881
9.0	0.868
9.5	0.859
10.0	0.84
12.0	0.76
14.0	0.68
16.0	0.585
18.0	0.495
20.0	0.4
22.0	0.31
24.0	0.22
26.0	0.13
28.0	0.06
30.0	0.012
32.0	0.075
34.0	0.135
36.0	0.18
38.0	0.21



40.0	0.24
42.0	0.26
46.0	0.27

N. Lat. = 380954.0 W. Lng. = 791851.0
 HAAT and Distance to Contour,
 FCC OET, TV 3.2 - 16.1, 130 pts - USGS 03 SEC

WVPT-D, Shenandoah Valley Educational, BLEDT20021220ADX

Azi.	AV EL	HAAT	ERP kW	dBk	Field	DAng	VFI d	D-kW	%Max	D-dBk	36-F9
000	648.7	684.3	10.0000	10.00	1.000	0.725	0.999	9.9780	99.9	10.00	115.25
010	718.4	614.6	10.0000	10.00	1.000	0.687	0.999	9.9750	99.9	10.00	112.84
020	822.9	510.1	10.0000	10.00	1.000	0.626	0.999	9.9701	99.9	10.00	107.57
030	810.7	522.3	10.0000	10.00	1.000	0.633	0.999	9.9707	99.9	10.00	108.29
040	717.1	615.9	10.0000	10.00	1.000	0.687	0.999	9.9750	99.9	10.00	112.89
050	608.6	724.4	10.0000	10.00	1.000	0.746	0.999	9.9797	99.9	10.00	116.44
060	561.8	771.2	10.0000	10.00	1.000	0.769	0.999	9.9815	99.9	10.00	117.63
070	527.8	805.2	10.0000	10.00	1.000	0.786	0.999	9.9829	99.9	10.00	118.36
080	547.1	785.9	10.0000	10.00	1.000	0.777	0.999	9.9821	99.9	10.00	117.95
090	556.1	776.9	10.0000	10.00	1.000	0.772	0.999	9.9818	99.9	10.00	117.76
100	549.6	783.4	10.0000	10.00	1.000	0.775	0.999	9.9820	99.9	10.00	117.90
110	572.3	760.7	10.0000	10.00	1.000	0.764	0.999	9.9811	99.9	10.00	117.38
120	589.9	743.1	10.0000	10.00	1.000	0.755	0.999	9.9804	99.9	10.00	116.94
130	606.7	726.3	10.0000	10.00	1.000	0.746	0.999	9.9797	99.9	10.00	116.50
140	623.9	709.1	10.0000	10.00	1.000	0.738	0.999	9.9790	99.9	10.00	116.01
150	613.3	719.7	10.0000	10.00	1.000	0.743	0.999	9.9795	99.9	10.00	116.31
160	617.8	715.2	10.0000	10.00	1.000	0.741	0.999	9.9793	99.9	10.00	116.19
170	633.4	699.6	10.0000	10.00	1.000	0.733	0.999	9.9786	99.9	10.00	115.72
180	608.7	724.3	10.0000	10.00	1.000	0.746	0.999	9.9797	99.9	10.00	116.44
190	600.0	733.0	10.0000	10.00	1.000	0.750	0.999	9.9800	99.9	10.00	116.68
200	555.3	777.7	10.0000	10.00	1.000	0.772	0.999	9.9818	99.9	10.00	117.78
210	553.8	779.2	10.0000	10.00	1.000	0.773	0.999	9.9819	99.9	10.00	117.81
220	646.9	686.1	10.0000	10.00	1.000	0.726	0.999	9.9781	99.9	10.00	115.31
230	763.7	569.3	10.0000	10.00	1.000	0.661	0.999	9.9729	99.9	10.00	110.81
240	670.1	662.9	10.0000	10.00	1.000	0.713	0.999	9.9771	99.9	10.00	114.55
250	654.2	678.8	10.0000	10.00	1.000	0.722	0.999	9.9777	99.9	10.00	115.08
260	647.7	685.3	10.0000	10.00	1.000	0.725	0.999	9.9780	99.9	10.00	115.28
270	676.8	656.2	10.0000	10.00	1.000	0.710	0.999	9.9768	99.9	10.00	114.33
280	660.9	672.1	10.0000	10.00	1.000	0.718	0.999	9.9775	99.9	10.00	114.86
290	662.4	670.6	10.0000	10.00	1.000	0.717	0.999	9.9774	99.9	10.00	114.81
300	664.4	668.6	10.0000	10.00	1.000	0.716	0.999	9.9773	99.9	10.00	114.74
310	706.6	626.4	10.0000	10.00	1.000	0.693	0.999	9.9755	99.9	10.00	113.28
320	736.3	596.7	10.0000	10.00	1.000	0.677	0.999	9.9742	99.9	10.00	112.12
330	699.3	633.7	10.0000	10.00	1.000	0.697	0.999	9.9758	99.9	10.00	113.54
340	697.8	635.2	10.0000	10.00	1.000	0.698	0.999	9.9759	99.9	10.00	113.60
350	656.8	676.2	10.0000	10.00	1.000	0.720	0.999	9.9776	99.9	10.00	114.99

Ave EI = 644.10 M HAAT= 688.90 M AMSL= 1333 M