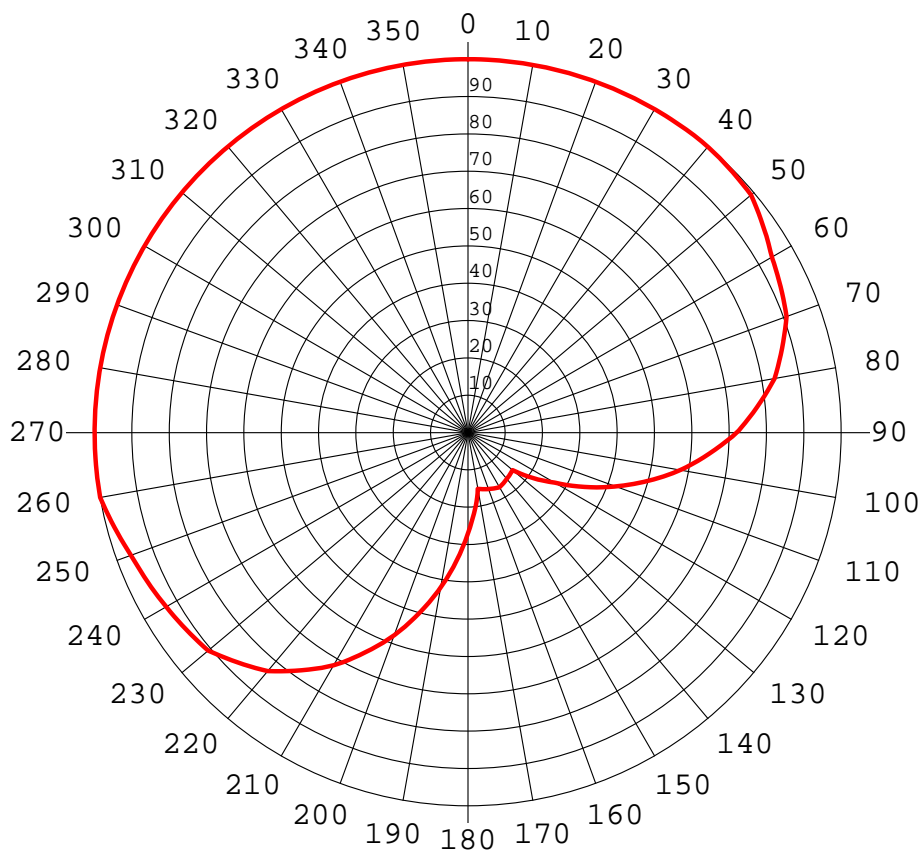


WVPY Existing and Proposed - Horizontal Azimuth Pattern



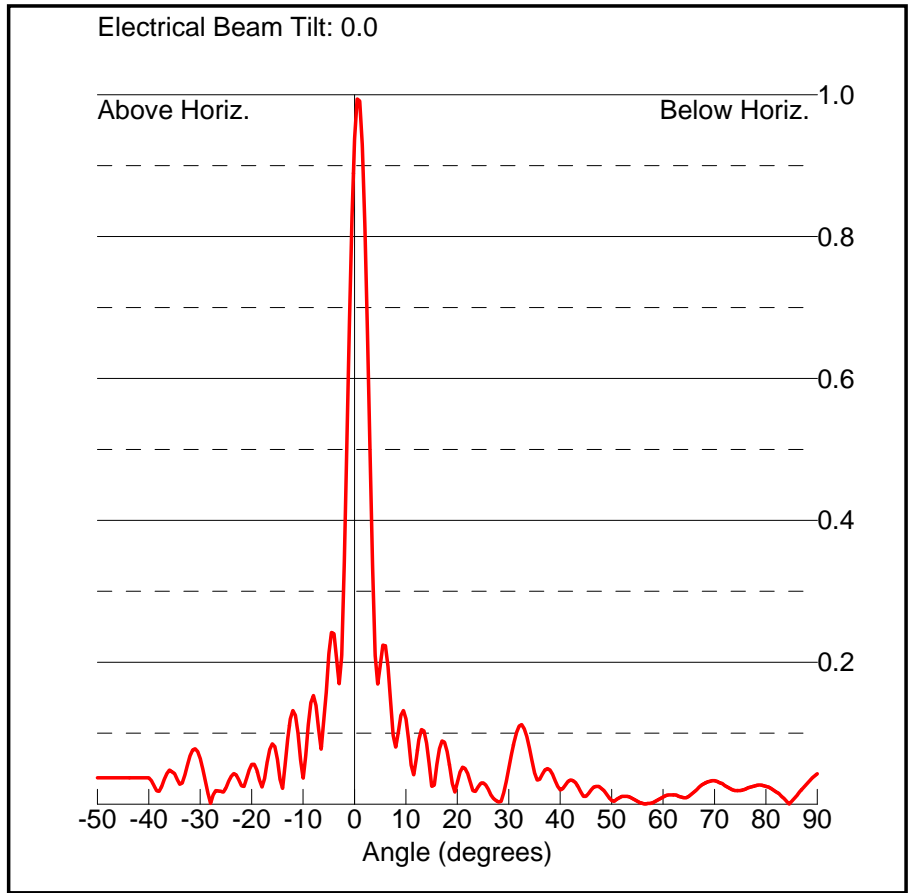
Azi	Rel	dBk	kW	dB	Azi	Rel	dBk	kW	dB
0	1.000	20.00	100.0	0.00	180	0.268	8.56	7.2	-11.44
10	1.000	20.00	100.0	0.00	190	0.421	12.49	17.7	-7.51
20	1.000	20.00	100.0	0.00	200	0.578	15.24	33.4	-4.76
30	1.000	20.00	100.0	0.00	210	0.720	17.15	51.8	-2.85
40	1.000	20.00	100.0	0.00	220	0.834	18.42	69.6	-1.58
50	0.990	19.91	98.0	-0.09	230	0.908	19.16	82.4	-0.84
60	0.940	19.46	88.4	-0.54	240	0.933	19.40	87.0	-0.60
70	0.908	19.16	82.4	-0.84	250	0.960	19.65	92.2	-0.35
80	0.834	18.42	69.6	-1.58	260	1.000	20.00	100.0	0.00
90	0.720	17.15	51.8	-2.85	270	1.000	20.00	100.0	0.00
100	0.578	15.24	33.4	-4.76	280	1.000	20.00	100.0	0.00
110	0.421	12.49	17.7	-7.51	290	1.000	20.00	100.0	0.00
120	0.268	8.56	7.2	-11.44	300	1.000	20.00	100.0	0.00
130	0.156	3.86	2.4	-16.14	310	1.000	20.00	100.0	0.00
140	0.162	4.19	2.6	-15.81	320	1.000	20.00	100.0	0.00
150	0.169	4.56	2.9	-15.44	330	1.000	20.00	100.0	0.00
160	0.161	4.14	2.6	-15.86	340	1.000	20.00	100.0	0.00
170	0.153	3.69	2.3	-16.31	350	1.000	20.00	100.0	0.00

Rotation Angle = 0

WVPY - Vertical Elevation Pattern

Angle (deg) Relative Field

-40.0	0.037
-39.5	0.033
-39.0	0.026
-38.5	0.019
-38.0	0.018
-37.5	0.025
-37.0	0.035
-36.5	0.043
-36.0	0.048
-35.0	0.043
-34.5	0.035
-34.0	0.028
-33.5	0.03
-33.0	0.041
-32.5	0.055
-32.0	0.068
-31.5	0.076
-31.0	0.078
-30.5	0.074
-30.0	0.064
-29.5	0.049
-29.0	0.032
-28.5	0.015
-28.0	0.001
-27.5	0.013
-27.0	0.019
-26.0	0.018
-25.5	0.017
-25.0	0.023
-24.5	0.032
-24.0	0.039
-23.5	0.043
-23.0	0.041
-22.5	0.034
-22.0	0.026
-21.5	0.025
-21.0	0.036
-20.5	0.048
-20.0	0.056
-19.5	0.056
-19.0	0.048
-18.5	0.034
-18.0	0.024
-17.5	0.036
-17.0	0.059
-16.5	0.077
-16.0	0.085
-15.5	0.081



-15.0	0.063
-14.5	0.035
-14.0	0.022
-13.5	0.056
-13.0	0.092
-12.5	0.12
-12.0	0.132
-11.5	0.125
-11.0	0.1
-10.5	0.062
-10.0	0.036
-9.5	0.068
-9.0	0.112
-8.5	0.143
-8.0	0.153
-7.5	0.139
-7.0	0.106
-6.5	0.077
-5.5	0.158
-5.0	0.212
-4.5	0.242
-4.0	0.24

-3.5	0.205	22.5	0.031
-3.0	0.169	23.0	0.019
-2.5	0.209	23.5	0.018
-2.0	0.34	24.0	0.024
-1.5	0.508	24.5	0.029
-1.0	0.679	25.0	0.03
-0.5	0.828	25.5	0.027
0.0	0.938	26.0	0.021
0.5	0.994	26.5	0.013
1.0	0.991	27.0	0.008
1.5	0.929	27.5	0.005
2.0	0.816	28.0	0.003
2.5	0.666	28.5	0.004
3.0	0.498	29.0	0.016
3.5	0.335	29.5	0.032
4.0	0.21	30.0	0.051
4.5	0.169	30.5	0.07
5.0	0.196	31.0	0.087
5.5	0.224	31.5	0.101
6.0	0.223	32.0	0.11
6.5	0.194	32.5	0.112
7.0	0.145	33.0	0.106
7.5	0.097	33.5	0.095
8.0	0.08	34.0	0.079
8.5	0.101	34.5	0.061
9.0	0.125	35.0	0.044
9.5	0.132	35.5	0.034
10.0	0.12	36.0	0.035
10.5	0.091	36.5	0.042
11.0	0.055	37.0	0.048
11.5	0.041	37.5	0.05
12.0	0.064	38.0	0.048
12.5	0.091	38.5	0.042
13.0	0.105	39.0	0.033
13.5	0.103	39.5	0.025
14.0	0.086	40.0	0.02
14.5	0.057	40.5	0.022
15.0	0.025	41.0	0.027
15.5	0.027	41.5	0.032
16.0	0.056	42.0	0.034
16.5	0.078	42.5	0.033
17.0	0.089	43.0	0.03
17.5	0.087	43.5	0.024
18.0	0.074	44.0	0.017
18.5	0.053	44.5	0.011
19.0	0.029	45.0	0.011
19.5	0.017	45.5	0.015
20.0	0.031	46.0	0.02
20.5	0.045	46.5	0.024
21.0	0.052	47.0	0.025
21.5	0.05	47.5	0.025
22.0	0.043	48.0	0.022