

Assuming a single bay antenna Vertical Polarized antenna is at lower height above ground – Worst case downward radiation

Location of 126 dbuV nuisance contour
Study for center of Radiation 38 m AGL ERP 250 Watts
Element Bays Spacing
Antenna CA2-FMCP- 1

Distance above Ground Level of Interfering Contour

Depression Angle (Degrees)	Slant Distance To 126 dbμV (meters)	Horiz Distance To 126 dbμV (meters)	Relative Field	ERP Watts	126 dbμV Above Gnd (meters)
1	55.48	55.5	1.000	250.000	37.0
2	55.48	55.4	1.000	250.000	36.1
3	55.43	55.4	0.999	249.500	35.1
4	55.37	55.3	0.998	249.001	34.1
5	55.31	54.7	0.997	248.502	33.2
6	55.26	54.6	0.996	248.004	32.3
7	55.15	54.5	0.994	247.009	31.3
8	55.04	53.8	0.992	246.016	30.4
9	54.37	53.7	0.980	240.100	29.5
10	54.82	53.5	0.988	244.036	28.6
12	54.65	53.2	0.985	242.556	26.7
14	54.26	51.7	0.978	239.121	25.1
16	53.82	50.7	0.970	235.225	23.5
18	53.32	49.6	0.961	230.880	21.9
20	52.76	48.0	0.951	226.100	20.5
25	52.15	43.7	0.940	220.900	17.6
30	50.27	39.9	0.906	205.209	15.0
35	48.05	34.5	0.866	187.489	13.8
40	45.44	30.2	0.819	167.690	12.7
45	42.50	25.1	0.766	146.689	12.9
50	39.23	20.7	0.707	124.962	13.3
55	35.67	15.9	0.643	103.362	15.3
60	31.79	11.1	0.573	82.082	18.8
65	27.74	7.0	0.500	62.500	22.9
70	23.47	3.8	0.423	44.732	27.6
75	18.97	1.4	0.342	29.241	32.6
80	14.37	0.2	0.259	16.770	36.9
85	9.65	0.1	0.174	7.569	36.9
90	4.83	0.0	0.087	1.892	36.9

Min Height above Gnd