

Proposed Antenna: SWR FMEC 1-Bay

Proposed Power: 0.003 kW

Antenna Height AGL: 8 meters

Interference Contour: 134.5 dBu f(50:10)

Official Rcv Antenna Height: 2 meters

Fill in "yellow" cells

Equation: $= (10^{((106.92 - [\text{desired dBu}] + [\text{ERP in dBk}]) / 20)}) * 1000$

Equation $= 106.92 - (20 * (\text{LOG10}[\text{DistMeters} / 1000])) + [\text{ERP in dBk}]$

Depression				Distance				
Angle	Antenna			from Ant.	Distance	Field Strength	Distance	Field Strength
Below	Relative	ERP	ERP	to Interf	from Ant. to	in dBu @	from Ant.	in dBu @
Horizon	Field	in kW	in dBk	Contour	Artificial Plane	Artificial Plane	to Ground Level	Ground Level
0°	1.000	0.003	-25.23	2.29 m	infinite	---	infinite	---
-5°	0.997	0.003	-25.25	2.28 m	68.84 m	104.91 dBu	91.79 m	102.41 dBu
-10°	0.986	0.003	-25.35	2.26 m	34.55 m	110.80 dBu	46.07 m	108.30 dBu
-15°	0.969	0.003	-25.50	2.22 m	23.18 m	114.11 dBu	30.91 m	111.62 dBu
-20°	0.946	0.003	-25.71	2.16 m	17.54 m	116.33 dBu	23.39 m	113.83 dBu
-25°	0.916	0.003	-25.99	2.10 m	14.20 m	117.89 dBu	18.93 m	115.39 dBu
-30°	0.879	0.002	-26.35	2.01 m	12.00 m	118.99 dBu	16.00 m	116.49 dBu
-35°	0.837	0.002	-26.77	1.92 m	10.46 m	119.75 dBu	13.95 m	117.26 dBu
-40°	0.789	0.002	-27.29	1.81 m	9.33 m	120.23 dBu	12.45 m	117.73 dBu
-45°	0.736	0.002	-27.89	1.68 m	8.49 m	120.46 dBu	11.31 m	117.96 dBu
-50°	0.679	0.001	-28.59	1.55 m	7.83 m	120.45 dBu	10.44 m	117.95 dBu
-55°	0.616	0.001	-29.44	1.41 m	7.32 m	120.19 dBu	9.77 m	117.69 dBu
-60°	0.550	0.001	-30.42	1.26 m	6.93 m	119.69 dBu	9.24 m	117.19 dBu
-65°	0.480	0.001	-31.60	1.10 m	6.62 m	118.90 dBu	8.83 m	116.40 dBu
-70°	0.408	0.000	-33.02	0.93 m	6.39 m	117.80 dBu	8.51 m	115.30 dBu
-75°	0.333	0.000	-34.78	0.76 m	6.21 m	116.28 dBu	8.28 m	113.78 dBu
-80°	0.256	0.000	-37.06	0.59 m	6.09 m	114.16 dBu	8.12 m	111.66 dBu
-85°	0.178	0.000	-40.22	0.41 m	6.02 m	111.10 dBu	8.03 m	108.60 dBu
-90°	0.100	0.000	-45.23	0.23 m	6.00 m	106.13 dBu	8.00 m	103.63 dBu