

Proposed Antenna: SWR FMEC 1-Bay

Proposed Power: 0.006 kW

Antenna Height AGL: 70 meters

Interference Contour: 102.6 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	0.006	-22.22	127.37 m	infinite	---	infinite	---
-5°	0.997	0.006	-22.24	126.99 m	780.21 m	86.83 dBu	803.16 m	86.58 dBu
-10°	0.986	0.006	-22.34	125.59 m	391.60 m	92.72 dBu	403.11 m	92.47 dBu
-15°	0.969	0.006	-22.49	123.42 m	262.73 m	96.04 dBu	270.46 m	95.79 dBu
-20°	0.946	0.005	-22.70	120.49 m	198.82 m	98.25 dBu	204.67 m	98.00 dBu
-25°	0.916	0.005	-22.98	116.67 m	160.90 m	99.81 dBu	165.63 m	99.56 dBu
-30°	0.879	0.005	-23.34	111.96 m	136.00 m	100.91 dBu	140.00 m	100.66 dBu
-35°	0.837	0.004	-23.76	106.61 m	118.55 m	101.68 dBu	122.04 m	101.43 dBu
-40°	0.789	0.004	-24.28	100.50 m	105.79 m	102.15 dBu	108.90 m	101.90 dBu
-45°	0.736	0.003	-24.88	93.75 m	96.17 m	102.38 dBu	98.99 m	102.13 dBu
-50°	0.679	0.003	-25.58	86.49 m	88.77 m	102.37 dBu	91.38 m	102.12 dBu
-55°	0.616	0.002	-26.43	78.46 m	83.01 m	102.11 dBu	85.45 m	101.86 dBu
-60°	0.550	0.002	-27.41	70.05 m	78.52 m	101.61 dBu	80.83 m	101.36 dBu
-65°	0.480	0.001	-28.59	61.14 m	75.03 m	100.82 dBu	77.24 m	100.57 dBu
-70°	0.408	0.001	-30.01	51.97 m	72.36 m	99.72 dBu	74.49 m	99.47 dBu
-75°	0.333	0.001	-31.77	42.42 m	70.40 m	98.20 dBu	72.47 m	97.95 dBu
-80°	0.256	0.000	-34.05	32.61 m	69.05 m	96.08 dBu	71.08 m	95.83 dBu
-85°	0.178	0.000	-37.21	22.67 m	68.26 m	93.03 dBu	70.27 m	92.77 dBu
-90°	0.100	0.000	-42.22	12.74 m	68.00 m	88.05 dBu	70.00 m	87.80 dBu