

Proposed Antenna: Scala 2 CLFM Hpol Stacked .67 wave vert stack

Proposed Power: 0.25 kW

Antenna Height AGL: 82 meters

Interference Contour: 110.4 dBu f(50:10)

Artificial 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	0.250	-6.02	334.94 m	infinite	---	infinite	---
-5°	0.977	0.239	-6.22	327.24 m	917.90 m	101.44 dBu	940.84 m	101.23 dBu
-10°	0.915	0.209	-6.79	306.47 m	460.70 m	106.86 dBu	472.22 m	106.64 dBu
-15°	0.815	0.166	-7.80	272.98 m	309.10 m	109.32 dBu	316.82 m	109.11 dBu
-20°	0.689	0.119	-9.26	230.78 m	233.90 m	110.28 dBu	239.75 m	110.07 dBu
-25°	0.549	0.075	-11.23	183.88 m	189.30 m	110.15 dBu	194.03 m	109.93 dBu
-30°	0.405	0.041	-13.87	135.65 m	160.00 m	108.97 dBu	164.00 m	108.75 dBu
-35°	0.269	0.018	-17.43	90.10 m	139.48 m	106.60 dBu	142.96 m	106.39 dBu
-40°	0.149	0.006	-22.56	49.91 m	124.46 m	102.46 dBu	127.57 m	102.25 dBu
-45°	0.051	0.001	-31.87	17.08 m	113.14 m	93.98 dBu	115.97 m	93.76 dBu
-50°	0.023	0.000	-38.79	7.70 m	104.43 m	87.76 dBu	107.04 m	87.54 dBu
-55°	0.071	0.001	-29.00	23.78 m	97.66 m	98.13 dBu	100.10 m	97.92 dBu
-60°	0.097	0.002	-26.29	32.49 m	92.38 m	101.32 dBu	94.69 m	101.11 dBu
-65°	0.099	0.002	-26.11	33.16 m	88.27 m	101.90 dBu	90.48 m	101.68 dBu
-70°	0.075	0.001	-28.52	25.12 m	85.13 m	99.80 dBu	87.26 m	99.58 dBu
-75°	0.049	0.001	-32.22	16.41 m	82.82 m	96.34 dBu	84.89 m	96.13 dBu
-80°	0.024	0.000	-38.42	8.04 m	81.23 m	90.31 dBu	83.26 m	90.09 dBu
-85°	0.015	0.000	-42.50	5.02 m	80.31 m	86.33 dBu	82.31 m	86.11 dBu
-90°	0.015	0.000	-42.50	5.02 m	80.00 m	86.36 dBu	82.00 m	86.14 dBu