

**Proposed Antenna:** BEXT TFC2KDA 2-Bay 1/2 wave spaced.

**Proposed Power:** 0.01 kW

**Antenna Height AGL:** 111.6 meters

**Interference Contour:** 113 dBu

**Artificial Rcv Antenna Height:** 91.4 meters

Fill in "yellow"  
cells

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

**Field Strength (dBu) 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	0.010	-20.00	49.66 m	infinite	---	infinite	---
-5°	0.960	0.009	-20.35	47.67 m	231.77 m	99.26 dBu	1280.47 m	84.42 dBu
-10°	0.890	0.008	-21.01	44.20 m	116.33 m	104.59 dBu	642.68 m	89.75 dBu
-15°	0.820	0.007	-21.72	40.72 m	78.05 m	107.35 dBu	431.19 m	92.50 dBu
-20°	0.760	0.006	-22.38	37.74 m	59.06 m	109.11 dBu	326.30 m	94.26 dBu
-25°	0.700	0.005	-23.10	34.76 m	47.80 m	110.23 dBu	264.07 m	95.39 dBu
-30°	0.630	0.004	-24.01	31.29 m	40.40 m	110.78 dBu	223.20 m	95.93 dBu
-35°	0.530	0.003	-25.51	26.32 m	35.22 m	110.47 dBu	194.57 m	95.62 dBu
-40°	0.440	0.002	-27.13	21.85 m	31.43 m	109.84 dBu	173.62 m	95.00 dBu
-45°	0.320	0.001	-29.90	15.89 m	28.57 m	107.91 dBu	157.83 m	93.06 dBu
-50°	0.220	0.000	-33.15	10.93 m	26.37 m	105.35 dBu	145.68 m	90.50 dBu
-55°	0.130	0.000	-37.72	6.46 m	24.66 m	101.36 dBu	136.24 m	86.51 dBu
-60°	0.008	0.000	-61.94	0.40 m	23.32 m	77.63 dBu	128.86 m	62.78 dBu
-65°	0.004	0.000	-67.96	0.20 m	22.29 m	72.00 dBu	123.14 m	57.15 dBu
-70°	0.002	0.000	-73.98	0.10 m	21.50 m	66.29 dBu	118.76 m	51.45 dBu
-75°	0.007	0.000	-63.10	0.35 m	20.91 m	77.41 dBu	115.54 m	62.57 dBu
-80°	0.001	0.000	-80.00	0.05 m	20.51 m	60.68 dBu	113.32 m	45.83 dBu
-85°	0.001	0.000	-80.00	0.05 m	20.28 m	60.78 dBu	112.03 m	45.93 dBu
-90°	0.001	0.000	-80.00	0.05 m	20.20 m	60.81 dBu	111.60 m	45.97 dBu