

Exhibit 12: Figure 3 Interference Minimum Vertical Clearance

Channel 283 104.5 MHz
 Antenna: BKG77 2-bay 0.85 wavelength-spaced
 ERP: 20.0 Watts
 AGL: 80 meters

Depression Angle Below Horizontal	Antenna Relative Field	ERP (Watts)	Distance to Interfering Contour from Antenna (meters)	Horizontal Distance of Interfering Contour from Tower (meters)	Vertical Clearance of Interfering Contour above Tower Ground Level (meters)
0	1.000	20.0	246.3	246.3	80.0
5	0.967	18.7	238.2	237.3	59.2
10	0.871	15.2	214.7	211.4	42.7
15	0.711	10.1	175.1	169.1	34.7
20	0.518	5.4	127.9	120.2	36.3
25	0.310	1.9	75.7	68.6	48.0
30	0.112	0.3	16.6	14.4	71.7
35	0.062	0.1	5.6	4.6	76.8
40	0.198	0.8	44.1	33.8	51.7
45	0.288	1.7	71.1	50.3	29.7
50	0.336	2.3	83.2	53.5	16.3
55	0.349	2.4	84.9	48.7	10.5
60	0.331	2.2	81.4	40.7	9.5
65	0.295	1.7	71.1	30.0	15.6
70	0.246	1.2	59.7	20.4	23.9
75	0.197	0.8	44.1	11.4	37.4
80	0.151	0.5	27.6	4.8	52.8
85	0.122	0.3	16.6	1.4	63.5
90	0.117	0.3	16.6	0.0	63.4