

Exhibit 12: Figure 5 Interference Minimum Vertical Clearance

K271BN on 271D at KGRE site Channel 271 102.1 MHz

Antenna: Custom, 6 bay, full spaced

ERP: 250 Watts

AGL: 94 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	250.0	766.8	766.8	94.0
5	0.827	171.0	634.2	631.8	38.8
10	0.416	43.3	321.7	316.8	38.2
15	0.006	0.0	48.5	46.8	81.5
20	0.206	10.6	160.8	151.1	39.0
25	0.187	8.7	145.5	131.9	32.5
30	0.043	0.5	48.5	42.0	69.8
35	0.089	2.0	68.6	56.2	54.7
40	0.134	4.5	108.4	83.1	24.4
45	0.094	2.2	84.0	59.4	34.6
50	0.020	0.1	48.5	31.2	56.9
55	0.043	0.5	48.5	27.8	54.3
60	0.074	1.4	68.6	34.3	34.6
65	0.075	1.4	68.6	29.0	31.8
70	0.059	0.9	48.5	16.6	48.4
75	0.039	0.4	48.5	12.6	47.2
80	0.021	0.1	48.5	8.5	46.2
85	0.009	0.0	48.5	4.3	45.7
90	0.000	0.0	48.5	0.0	45.5

Minimum Clearance: 24.4

Signal at site: 63.2 dBu

Maximum distance to Interfering Contour: 766.8 meters