

Exhibit 12: Figure 3 Interference Minimum Vertical Clearance

4109 E 131 St
 Antenna: BKG77 2-bay 0.75 spaced
 ERP: 19.0 Watts
 AGL: 15.0 meters

Channel 229
 93.7 MHz

Station: WZAK
 Signal at Site: 82.2 dBu

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	19.0	23.7	23.7	15.0
5	0.967	17.8	22.9	22.9	13.0
10	0.871	14.4	20.7	20.3	11.4
15	0.711	9.6	16.9	16.3	10.6
20	0.518	5.1	12.3	11.5	10.8
25	0.310	1.8	7.4	6.7	11.9
30	0.112	0.2	2.7	2.3	13.7
35	0.062	0.1	1.5	1.2	14.2
40	0.198	0.7	4.7	3.6	12.0
45	0.288	1.6	6.8	4.8	10.2
50	0.336	2.1	8.0	5.1	8.9
55	0.349	2.3	8.3	4.7	8.2
60	0.331	2.1	7.9	3.9	8.2
65	0.295	1.7	7.0	3.0	8.7
70	0.246	1.1	5.8	2.0	9.5
75	0.197	0.7	4.7	1.2	10.5
80	0.151	0.4	3.6	0.6	11.5
85	0.122	0.3	2.9	0.3	12.1
90	0.117	0.3	2.8	0.0	12.2