

# Exhibit 12

## IL Park Forest

### Freespace Interference Study based on Vertical Radiation Pattern Nicom BKG77 Single bay

Depression Angle from Antenna	Antenna Relative Field	ERP Watts	ERP dBk	Distance to Ground from Antenna (m)	Free Space Signal (dBu)	dB Loss for Reflection	Signal Strength at Ground (dBu)	Circular Distance From Tower (m)	Distance to Contour using Free Space (m)	Height of Contour above Ground (m)
90	0.100	0.100	-40.00	146.00	83.63	0	83.63	0.00	23.42	122.58
85	0.180	0.324	-34.89	146.56	88.71	0	88.71	12.77	42.15	104.01
80	0.260	0.676	-31.70	148.25	91.80	0	91.80	25.74	60.88	86.05
75	0.330	1.089	-29.63	151.15	93.70	0	93.70	39.12	77.27	71.36
70	0.400	1.600	-27.96	155.37	95.13	0	95.13	53.14	93.66	57.99
65	0.480	2.304	-26.38	161.09	96.40	0	96.40	68.08	112.39	44.14
60	0.550	3.025	-25.19	168.59	97.19	0	97.19	84.29	128.78	34.47
55	0.610	3.721	-24.29	178.23	97.61	0	97.61	102.23	142.83	29.00
50	0.670	4.489	-23.48	190.59	97.84	0	97.84	122.51	156.88	25.82
45	0.730	5.329	-22.73	206.48	97.89	0	97.89	146.00	170.93	25.13
40	0.790	6.241	-22.05	227.14	97.75	0	97.75	174.00	184.98	27.10
35	0.830	6.889	-21.62	254.54	97.19	0	97.19	208.51	194.35	34.53
30	0.870	7.569	-21.21	292.00	96.40	0	96.40	252.88	203.71	44.14
25	0.910	8.281	-20.82	345.47	95.33	0	95.33	313.10	213.08	55.95
20	0.950	9.025	-20.45	426.88	93.87	0	93.87	401.13	222.45	69.92
15	0.965	9.312	-20.31	564.10	91.58	0	91.58	544.88	225.96	87.52
10	0.980	9.604	-20.18	840.78	88.25	0	88.25	828.01	229.47	106.15
5	0.990	9.801	-20.09	1675.16	82.35	0	82.35	1668.79	231.81	125.80

Distance to Ground Level assumes flat ground or a site where the site level is above average terrain in all azimuths.

Maximum ERP	10 watts	Max dBu at Ground Level	97.89	Lowest Height of Contour (m)	25.13
Radiation Center AG	146 m			Lowest Height of Contour (ft)	82.46
Radiation Center AG	479 ft.				
Maximum ERP	-20.00 dBk				
Protected dBu	59.53 dBu				
Interfering dBu	99.5 dBu				
Free Space Distance	234.15 m				