

Exhibit 13

Freospace Interference Study based on Vertical Radiation Pattern

Flex-space program based on FMModel and Shively single bay vertical field pattern data

Depression Angle from Antenna	Antenna Relative Field	SSP (Hidden)	Multibay Relative Field	ERP Watts	ERP dBk	Distance to Ground from Antenna (m)	Free Space Signal (dBu)	Signal Strength at Ground (dBu)	Circular Distance From Tower (m)	Distance to Contour using Free Space (m)	Height of Contour above Ground (m)
90	0.0800	3.142	0.080	0.006	-51.94	6.10	99.28	99.28	0.00	0.88	5.22
85	0.1200	3.130	0.120	0.014	-48.42	6.12	102.76	102.76	0.53	1.32	4.79
80	0.1600	3.094	0.160	0.026	-45.92	6.19	105.16	105.16	1.08	1.76	4.37
75	0.2400	3.035	0.240	0.058	-42.40	6.32	108.52	108.52	1.63	2.63	3.56
70	0.3050	2.952	0.305	0.093	-40.31	6.49	110.36	110.36	2.22	3.35	2.95
65	0.3800	2.847	0.380	0.144	-38.40	6.73	111.95	111.95	2.84	4.17	2.32
60	0.4500	2.721	0.450	0.203	-36.94	7.04	113.03	113.03	3.52	4.94	1.82
55	0.5250	2.573	0.525	0.276	-35.60	7.45	113.88	113.88	4.27	5.76	1.38
50	0.5950	2.407	0.595	0.354	-34.51	7.96	114.39	114.39	5.12	6.53	1.10
45	0.6600	2.221	0.660	0.436	-33.61	8.63	114.59	114.59	6.10	7.25	0.98
40	0.7200	2.019	0.720	0.518	-32.85	9.49	114.52	114.52	7.27	7.90	1.02
35	0.7750	1.802	0.775	0.601	-32.21	10.64	114.17	114.17	8.71	8.51	1.22
30	0.8250	1.571	0.825	0.681	-31.67	12.20	113.52	113.52	10.57	9.06	1.57
25	0.8700	1.328	0.870	0.757	-31.21	14.43	112.52	112.52	13.08	9.55	2.06
20	0.9100	1.074	0.910	0.828	-30.82	17.84	111.08	111.08	16.76	9.99	2.68
15	0.9500	0.813	0.950	0.903	-30.45	23.57	109.03	109.03	22.77	10.43	3.40
10	0.9750	0.546	0.975	0.951	-30.22	35.13	105.79	105.79	34.59	10.70	4.24
5	0.9950	0.274	0.995	0.990	-30.04	69.99	99.98	99.98	69.72	10.92	5.15
0	1.0000		1.000	1.000	-30.00	6.10					

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

Maximum ERP	1 watts	Max dBu at Ground Level	114.59	Lowest Height of Contour (m)	0.98
Radiation Center AG	6.1 m			Lowest Height of Contour (ft)	3.21
Radiation Center AG	20 ft.				
Maximum ERP	-30.00 dBk	Antenna Type	EPA Type 6 Shively 6800 data	Larger of H or V used	
Protected dBu	76.11 dBu	# of Bays	1		
Interfering dBu	116.11 dBu	Bay spacing	1 wavelengths		
Free Space Distance	10.98 m	Freq	100.3 MHz	Wavelength	2.99 m
	36 ft.				9.81 ft
		Array length			0.00 m