

Exhibit 13

Freespace Interference Study based on Vertical Radiation Pattern

Flex-space program based on applying array function to EPA vertical field pattern data

Depression Angle from Antenna	Antenna Relative Field	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	0.135	0.135	0.310	-35.09	69.00	95.05	95.05	0.00	8.05	60.95
85	0.200	0.200	0.680	-31.67	69.26	98.43	98.43	6.04	11.92	57.13
80	0.280	0.280	1.333	-28.75	70.06	101.26	101.26	12.17	16.69	52.57
75	0.355	0.355	2.142	-26.69	71.43	103.15	103.15	18.49	21.16	48.56
70	0.425	0.425	3.071	-25.13	73.43	104.48	104.48	25.11	25.33	45.20
65	0.495	0.495	4.165	-23.80	76.13	105.49	105.49	32.18	29.50	42.26
60	0.565	0.565	5.427	-22.65	79.67	106.24	106.24	39.84	33.67	39.84
55	0.625	0.625	6.641	-21.78	84.23	106.63	106.63	48.31	37.25	38.49
50	0.690	0.690	8.094	-20.92	90.07	106.91	106.91	57.90	41.12	37.50
45	0.745	0.745	9.435	-20.25	97.58	106.88	106.88	69.00	44.40	37.60
40	0.795	0.795	10.744	-19.69	107.34	106.62	106.62	82.23	47.38	38.54
35	0.840	0.840	11.995	-19.21	120.30	106.10	106.10	98.54	50.06	40.29
30	0.880	0.880	13.165	-18.81	138.00	105.32	105.32	119.51	52.45	42.78
25	0.920	0.920	14.389	-18.42	163.27	104.24	104.24	147.97	54.83	45.83
20	0.945	0.945	15.181	-18.19	201.74	102.64	102.64	189.58	56.32	49.74
15	0.975	0.975	16.161	-17.92	266.60	100.49	100.49	257.51	58.11	53.96
10	0.980	0.980	16.327	-17.87	397.36	97.07	97.07	391.32	58.41	58.86
5	0.989	0.989	16.628	-17.79	791.69	91.16	91.16	788.67	58.94	63.86
0	1.000	1.000	17.000	-17.70	69.00					

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

Maximum ERP	17 Watts	Max dBu at Ground Level	106.91	Lowest Height of Contour (m)	37.50
Radiation Center AG	69 m	Antenna Type	ERI 100	Lowest Height of Contour (ft)	123.03
Radiation Center AG	226 ft.	# of Bays	1		
Maximum ERP	-17.70 dBk	Bay spacing	1 wavelengths		
Protected dBu	73.72 dBu	Freq	92.3 MHz		
Interfering dBu	113.72 dBu	Length	0.00 ft		
Free Space Distance	59.60 m		0.00 m		
	196 ft.	Top	69.00 m		

226.38 ft

