

## Exhibit 12

### ME Portland vs WMGX

*Freespace Interference Study based on Vertical Radiation Pattern*

*SHI 6812-3H 3 Bay Half Wave Spaced Antenna*

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	0.001	0.000	-66.02	7.00	84.00	0	84.00	0.00	0.00	7.00
85	0.025	0.156	-38.06	7.03	111.92	0	111.92	0.61	0.10	6.90
80	0.046	0.529	-32.77	7.11	117.12	0	117.12	1.23	0.18	6.82
75	0.062	0.961	-30.17	7.25	119.54	0	119.54	1.88	0.24	6.77
70	0.072	1.296	-28.87	7.45	120.60	0	120.60	2.55	0.28	6.74
65	0.072	1.296	-28.87	7.72	120.29	0	120.29	3.26	0.28	6.75
60	0.059	0.870	-30.60	8.08	118.17	0	118.17	4.04	0.23	6.80
55	0.029	0.210	-36.77	8.55	111.51	0	111.51	4.90	0.11	6.91
50	0.021	0.110	-39.58	9.14	108.13	0	108.13	5.87	0.08	6.94
45	0.092	2.116	-26.74	9.90	120.26	0	120.26	7.00	0.36	6.75
40	0.185	8.556	-20.68	10.89	125.50	0	125.50	8.34	0.72	6.54
35	0.299	22.350	-16.51	12.20	128.68	0	128.68	10.00	1.16	6.33
30	0.428	45.796	-13.39	14.00	130.61	0	130.61	12.12	1.66	6.17
25	0.565	79.806	-10.98	16.56	131.56	0	131.56	15.01	2.20	6.07
20	0.699	122.150	-9.13	20.47	131.57	0	131.57	19.23	2.72	6.07
15	0.820	168.100	-7.74	27.05	130.53	0	130.53	26.12	3.19	6.17
10	0.916	209.764	-6.78	40.31	128.03	0	128.03	39.70	3.56	6.38
5	0.979	239.610	-6.20	80.32	122.62	0	122.62	80.01	3.81	6.67

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

Maximum ERP	250	watts	Max dBu at Ground Level	131.57	Lowest Height of Contour (m)	6.07
Radiation Center AG	7	m				
Radiation Center AG	23	ft.				
Maximum ERP	-6.02	dBk				
Protected dBu	109.1	dBu				
Interfering dBu	149.1	dBu				
Free Space Distance	3.89	m				