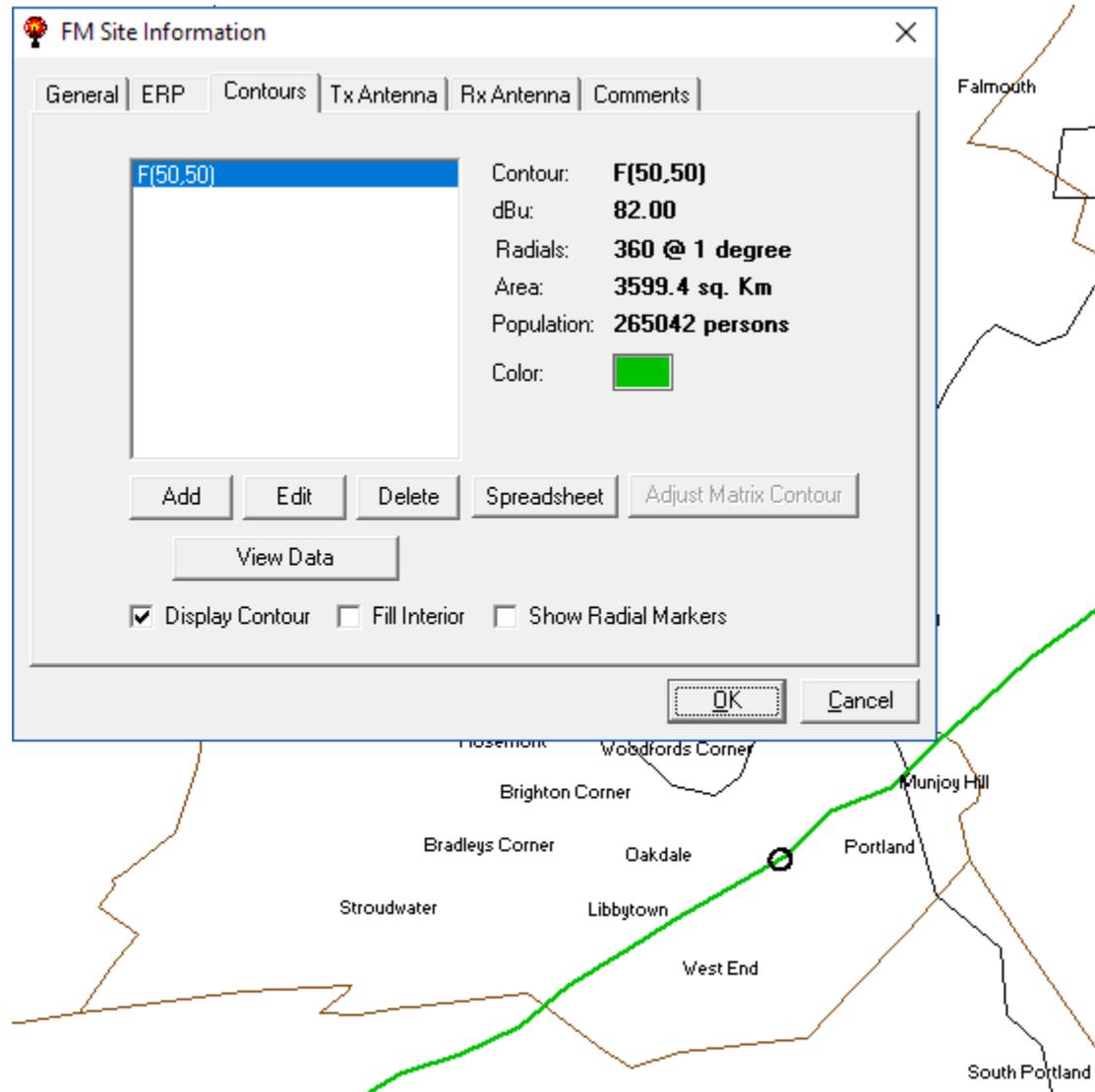


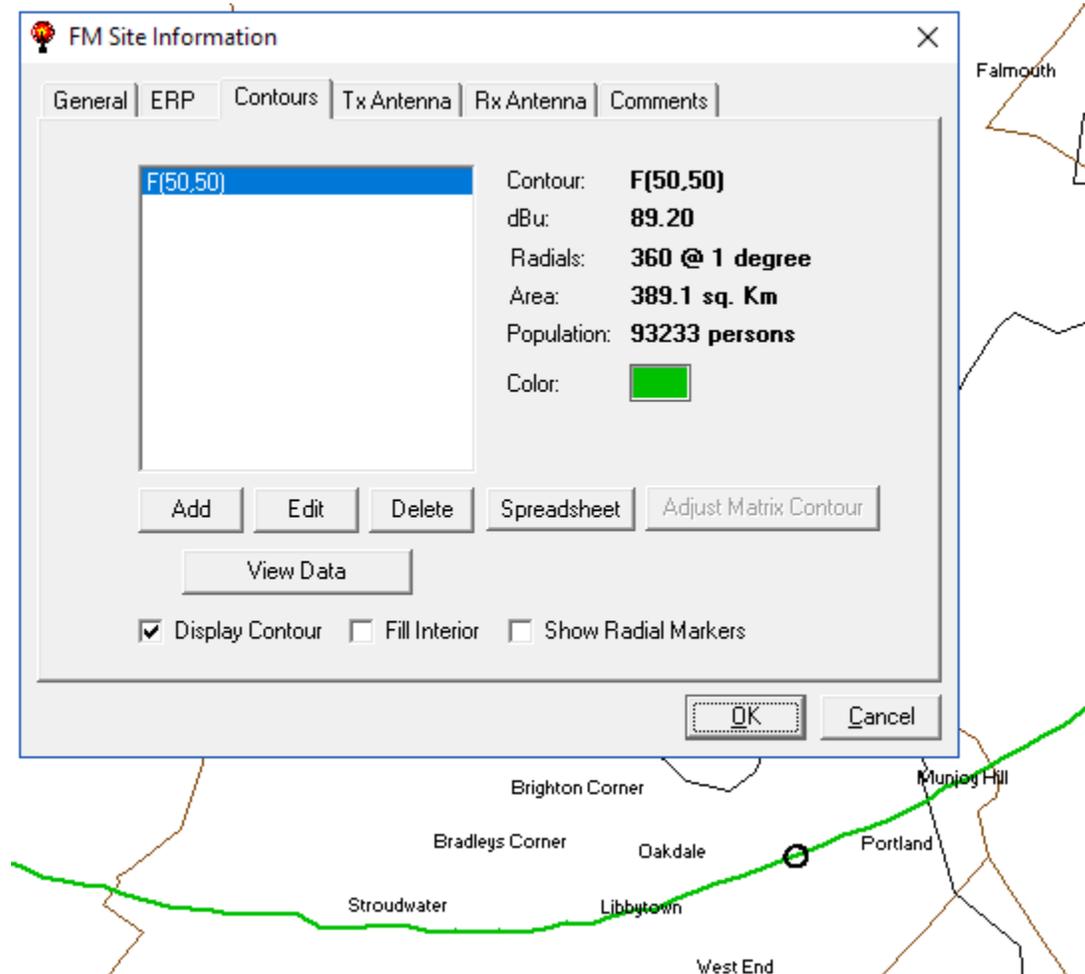
# WBLM and WPOR Protection Exhibit

WBLM and WPOR are third and second adjacent to the proposed translator, and, according to §74.1204(d), “The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to ... lack of population ... .”

The proposed facility is inside the protected contour of WBLM, which is on a third adjacent channel. The signal strength of WBLM at the proposed translator site is approximately 82.0 dBu.



The proposed facility is also inside the protected contour of WPOR, which is on a second adjacent channel. The signal strength of WPOR at the translator site is approximately 89.2 dBu.



.Since the signal strength of WBLM is the weaker than that of WPOR, protection of WBLM will necessarily also be adequate for WPOR.

With an antenna CORAGL of 18 meters and a three bay half-wave spaced antenna, the proposed facility has no trouble keeping its interference aloft.

*Freespace Interference Study based on Vertical Radiation Pattern  
SHI 6812-3H 3 Bay Half Wave Spaced Antenna (Data from Shively's Website)*

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	0.000	0.000	-2014.56	18.00	-1872.74	0	-1872.74	0.00	0.00	18.00
85	0.032	0.036	-44.46	18.07	97.33	0	97.33	1.57	1.05	16.95
80	0.062	0.135	-38.71	18.28	102.97	0	102.97	3.17	2.04	15.99
75	0.090	0.284	-35.47	18.63	106.04	0	106.04	4.82	2.97	15.13
70	0.114	0.455	-33.42	19.16	107.85	0	107.85	6.55	3.76	14.47
65	0.133	0.619	-32.08	19.86	108.88	0	108.88	8.39	4.38	14.03
60	0.140	0.686	-31.64	20.78	108.93	0	108.93	10.39	4.61	14.00
55	0.133	0.619	-32.08	21.97	108.00	0	108.00	12.60	4.38	14.41
50	0.104	0.379	-34.22	23.50	105.28	0	105.28	15.10	3.43	15.37
45	0.048	0.081	-40.93	25.46	97.87	0	97.87	18.00	1.58	16.88
40	0.037	0.048	-43.20	28.00	94.78	0	94.78	21.45	1.22	17.22
35	0.152	0.809	-30.92	31.38	106.06	0	106.06	25.71	5.01	15.13
30	0.293	3.005	-25.22	36.00	110.57	0	110.57	31.18	9.66	13.17
25	0.451	7.119	-21.48	42.59	112.86	0	112.86	38.60	14.87	11.72
20	0.615	13.238	-18.78	52.63	113.71	0	113.71	49.45	20.27	11.07
15	0.767	20.590	-16.86	69.55	113.21	0	113.21	67.18	25.28	11.46
10	0.891	27.786	-15.56	103.66	111.05	0	111.05	102.08	29.37	12.90
5	0.972	33.067	-14.81	206.53	105.81	0	105.81	205.74	32.04	15.21

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

Maximum ERP	35	watts	Max dBu at Ground Level	113.71	Lowest Height of Contour (m)	11.07
Radiation Center AG	18	m			Lowest Height of Contour (ft)	36.31
Radiation Center AG		ft.				
Maximum ERP	-14.56	dBk				
Protected dBu	82	dBu				
Interfering dBu	122.0	dBu				
Free Space Distance	32.96	m				