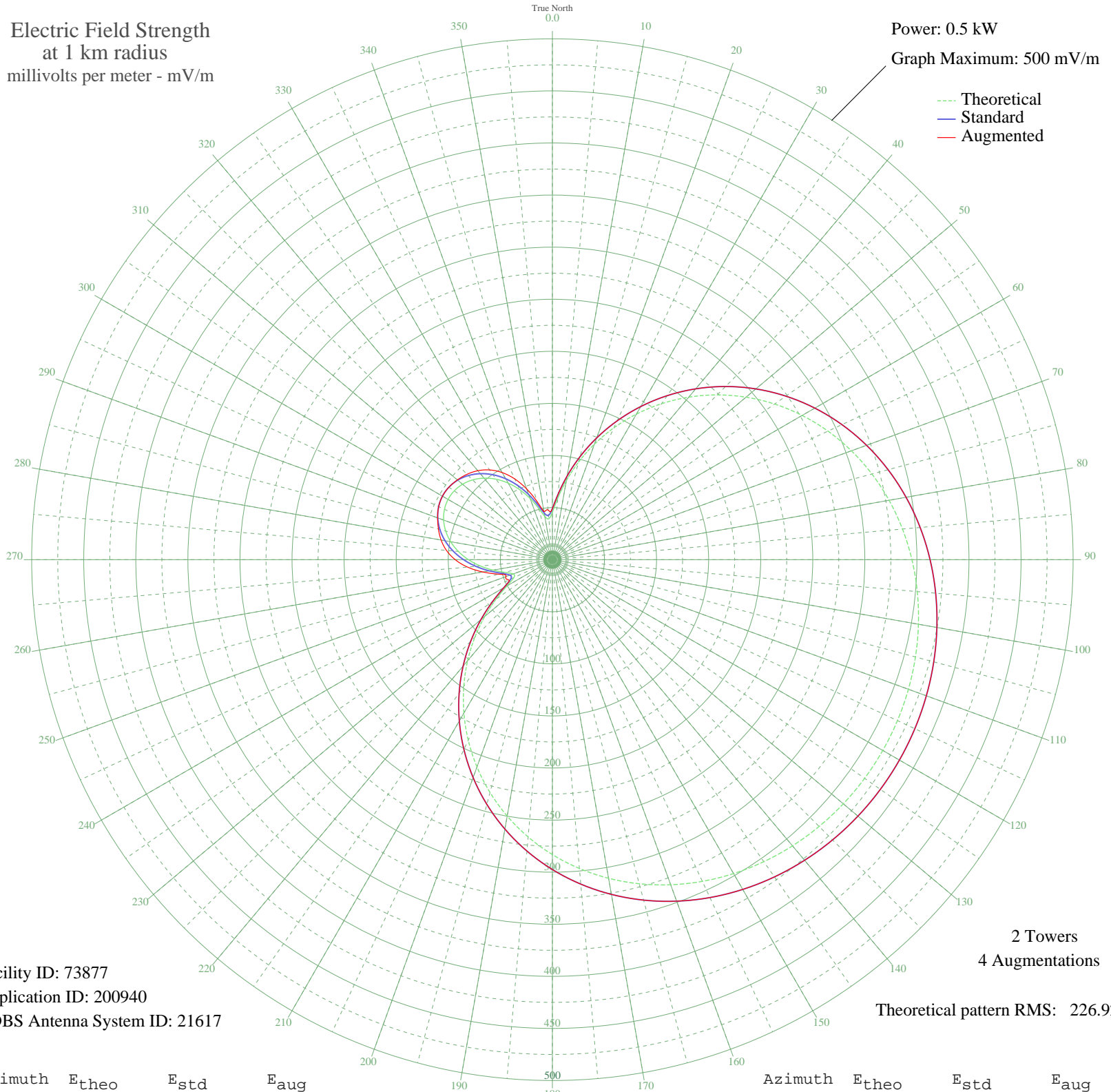


# WPGW PORTLAND, IN BL-19940714AE 1440 kHz

Daytime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 73877  
Application ID: 200940  
CDBS Antenna System ID: 21617

2 Towers  
4 Augmentations

Theoretical pattern RMS: 226.92

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	45.67	49.09	49.09
5	59.26	63.10	63.10
10	76.98	81.51	81.51
15	96.91	102.30	102.30
20	118.00	124.35	124.35
25	139.63	146.99	146.99
30	161.34	169.73	169.73
35	182.77	192.19	192.19
40	203.63	214.06	214.06
45	223.66	235.08	235.08
50	242.66	255.01	255.01
55	260.46	273.68	273.68
60	276.93	290.97	290.97
65	291.98	306.76	306.76
70	305.56	321.01	321.01
75	317.65	333.70	333.70
80	328.27	344.84	344.84
85	337.44	354.47	354.47
90	345.23	362.64	362.64
95	351.69	369.43	369.43
100	356.89	374.89	374.89
105	360.91	379.10	379.10
110	363.78	382.11	382.11
115	365.57	383.99	383.99
120	366.30	384.76	384.76
125	365.99	384.43	384.43
130	364.62	383.00	383.00
135	362.19	380.44	380.44
140	358.64	376.72	376.72
145	353.92	371.76	371.76
150	347.97	365.52	365.52
155	340.72	357.91	357.91
160	332.11	348.87	348.87
165	322.08	338.34	338.34
170	310.58	326.27	326.27
175	297.59	312.65	312.65

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	283.12	297.47	297.47
185	267.21	280.77	280.77
190	249.93	262.64	262.64
195	231.40	243.19	243.19
200	211.75	222.59	222.59
205	191.19	201.03	201.03
210	169.96	178.77	178.77
215	148.32	156.09	156.09
220	126.62	133.36	133.36
225	105.25	111.01	111.01
230	84.76	89.62	89.62
235	65.99	70.08	70.08
240	50.43	53.98	53.98
245	40.81	44.12	46.12
250	40.06	43.35	47.44
255	47.09	50.55	53.70
260	57.85	61.65	67.96
265	69.49	73.72	81.80
270	80.64	85.32	93.34
275	90.65	95.76	102.12
280	99.18	104.67	108.51
285	106.04	111.84	113.30
290	111.11	117.14	117.27
295	114.33	120.51	120.51
300	115.67	121.90	121.90
305	115.10	121.31	121.31
310	112.63	118.72	119.09
315	108.29	114.19	115.91
320	102.13	107.75	111.44
325	94.26	99.52	105.15
330	84.81	89.66	96.56
335	74.06	78.47	85.49
340	62.50	66.46	72.29
345	51.15	54.73	58.23
350	42.16	45.50	46.97
355	39.38	42.66	47.89

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission