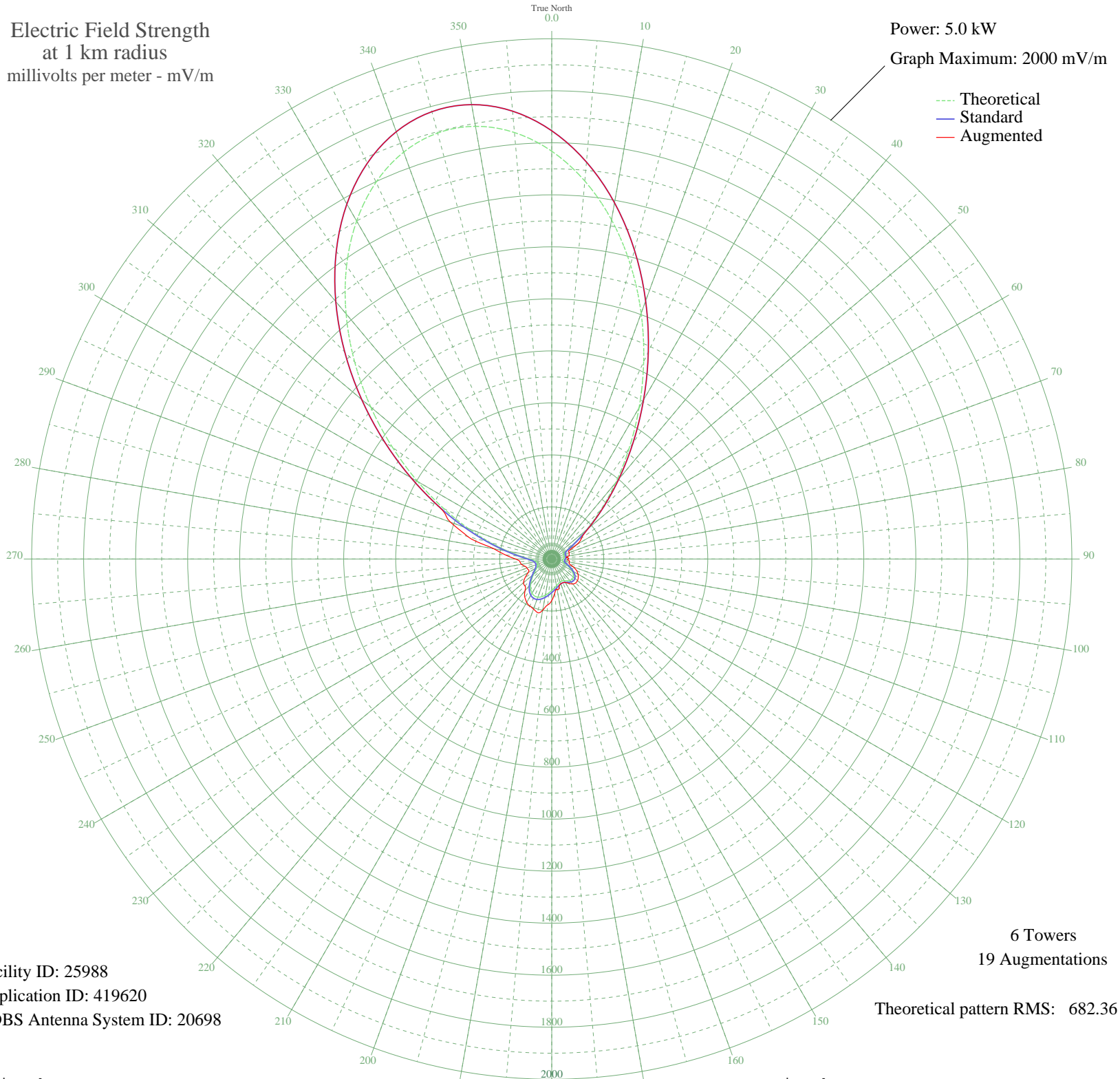


# WPHM PORT HURON, MI BL-13920 1380 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 25988  
Application ID: 419620  
CDBS Antenna System ID: 20698

6 Towers  
19 Augmentations  
Theoretical pattern RMS: 682.36

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1567.79	1646.34	1646.34
5	1458.71	1531.82	1531.82
10	1324.02	1390.42	1390.42
15	1170.38	1229.12	1229.12
20	1005.28	1055.80	1055.80
25	836.58	878.72	878.72
30	671.96	705.94	705.94
35	518.40	544.82	544.82
40	381.69	401.46	401.46
45	266.11	280.40	280.40
50	174.34	184.55	184.55
55	107.68	115.48	139.72
60	66.74	73.91	111.86
65	49.80	57.31	70.81
70	47.15	54.79	72.27
75	47.81	55.42	68.59
80	47.91	55.51	66.43
85	46.94	54.59	59.12
90	44.82	52.59	63.00
95	42.05	50.01	66.29
100	41.04	49.07	68.58
105	45.69	53.42	69.64
110	57.24	64.52	87.42
115	72.72	79.88	105.37
120	88.26	95.60	116.60
125	100.78	108.40	124.43
130	108.37	116.18	129.23
135	110.38	118.25	130.37
140	107.55	115.35	125.27
145	101.91	109.55	114.15
150	96.27	103.77	104.10
155	93.29	100.73	100.73
160	94.18	101.64	101.64
165	98.35	105.91	110.01
170	104.58	112.29	119.54
175	112.15	120.07	131.86

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	120.97	129.17	159.99
185	130.96	139.50	177.03
190	141.29	150.20	199.89
195	150.32	159.57	213.09
200	156.05	165.53	204.86
205	156.80	166.31	199.56
210	151.68	160.99	192.43
215	140.87	149.76	180.25
220	125.60	133.96	159.96
225	108.00	115.81	145.76
230	90.65	98.04	141.62
235	76.02	83.20	125.10
240	65.71	72.88	104.75
245	59.83	67.07	98.51
250	57.38	64.66	101.39
255	57.42	64.70	107.22
260	60.29	67.52	117.99
265	68.26	75.42	122.47
270	85.80	93.10	139.87
275	118.32	126.43	178.42
280	170.07	180.11	225.31
285	243.56	256.81	335.00
290	339.65	357.41	414.89
295	457.57	481.03	481.03
300	594.77	624.95	624.95
305	746.97	784.67	784.67
310	908.38	954.09	954.09
315	1072.04	1125.89	1125.89
320	1230.35	1292.08	1292.08
325	1375.58	1444.55	1444.55
330	1500.43	1575.62	1575.62
335	1598.48	1678.57	1678.57
340	1664.64	1748.03	1748.03
345	1695.42	1780.34	1780.34
350	1689.09	1773.70	1773.70
355	1645.86	1728.31	1728.31