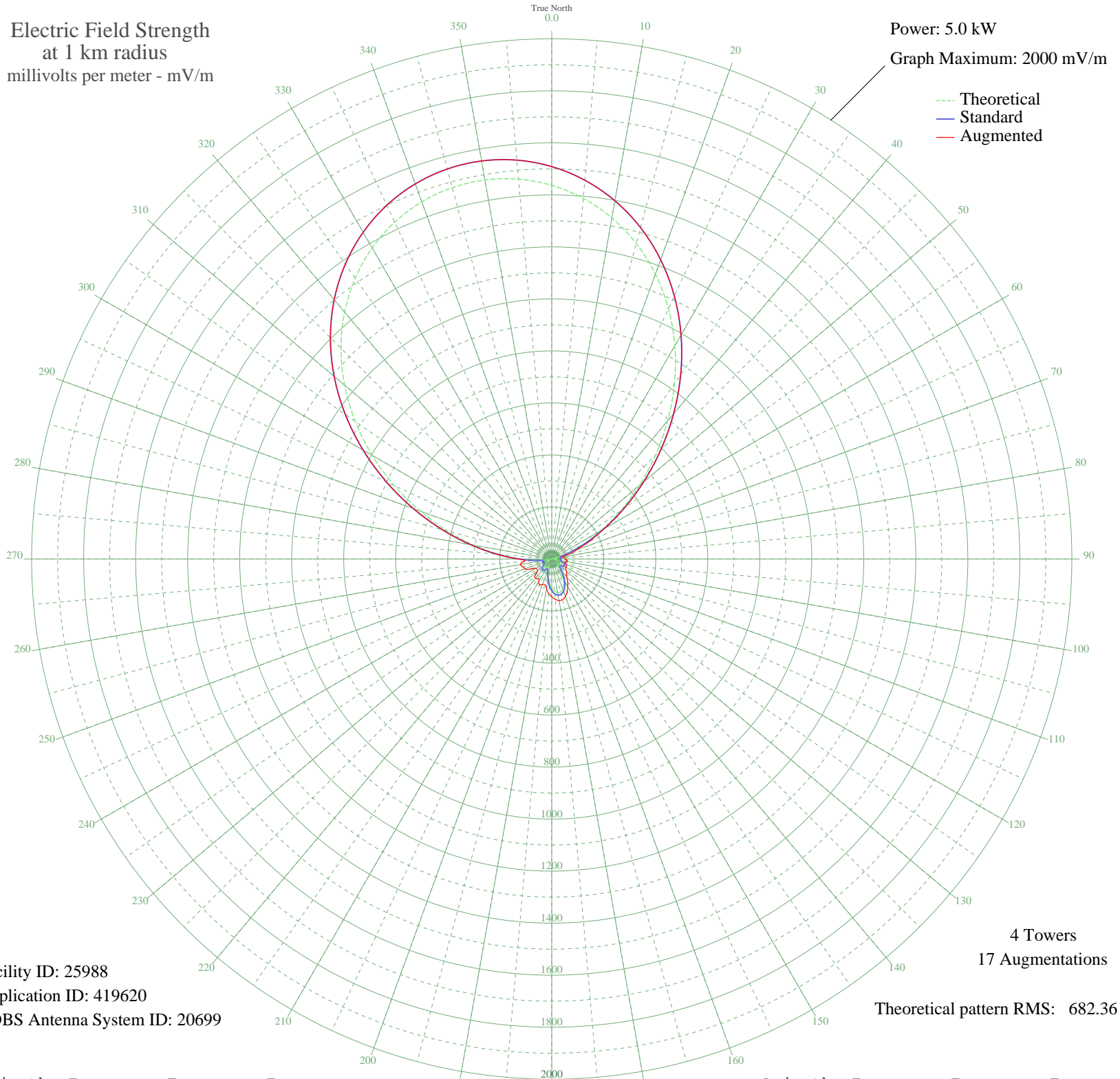


WPHM PORT HURON, MI BL-13920 1380 kHz

Nighttime

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: 20699

4 Towers
17 Augmentations
Theoretical pattern RMS: 682.36

Azimuth	Etheo	Estd	Eaug
0	1436.50	1508.65	1508.65
5	1391.79	1461.72	1461.72
10	1331.54	1398.48	1398.48
15	1255.96	1319.14	1319.14
20	1165.67	1224.37	1224.37
25	1061.90	1115.44	1115.44
30	946.61	994.44	994.44
35	822.63	864.34	864.34
40	693.61	728.98	728.98
45	563.91	592.95	592.95
50	438.33	461.33	461.33
55	321.72	339.29	339.29
60	218.54	231.64	231.64
65	132.37	142.56	160.93
70	65.52	75.74	100.63
75	18.70	37.27	63.37
80	9.04	33.07	42.33
85	20.23	38.14	48.91
90	18.89	37.38	52.09
95	11.50	33.90	58.85
100	14.09	34.96	60.11
105	26.51	42.17	51.73
110	37.11	50.21	57.92
115	42.25	54.51	64.04
120	40.74	53.23	63.06
125	33.33	47.21	66.60
130	24.63	40.89	74.36
135	27.54	42.89	80.47
140	45.21	57.07	89.76
145	67.72	77.84	105.90
150	89.85	99.52	123.72
155	108.82	118.57	139.90
160	122.75	132.72	153.29
165	130.40	140.53	161.19
170	131.10	141.26	161.96
175	124.81	134.83	155.87

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	112.06	121.85	145.17
185	93.97	103.62	133.08
190	72.28	82.24	115.07
195	49.55	60.92	101.44
200	30.25	44.86	104.77
205	23.78	40.34	109.44
210	31.42	45.74	99.27
215	39.66	52.32	92.14
220	42.49	54.71	96.56
225	38.64	51.47	92.99
230	28.94	43.90	70.81
235	16.36	36.03	69.18
240	10.53	33.55	70.81
245	17.60	36.67	92.40
250	20.81	38.49	109.44
255	12.49	34.29	115.44
260	11.69	33.97	122.31
265	54.56	65.46	105.77
270	117.41	127.29	127.29
275	199.85	212.22	212.22
280	299.88	316.46	316.46
285	414.14	436.00	436.00
290	538.31	566.11	566.11
295	667.58	701.67	701.67
300	797.10	837.55	837.55
305	922.40	969.04	969.04
310	1039.68	1092.13	1092.13
315	1145.95	1203.66	1203.66
320	1239.05	1301.39	1301.39
325	1317.64	1383.88	1383.88
330	1380.98	1450.37	1450.37
335	1428.80	1500.57	1500.57
340	1461.09	1534.47	1534.47
345	1477.96	1552.18	1552.18
350	1479.49	1553.79	1553.79
355	1465.69	1539.30	1539.30