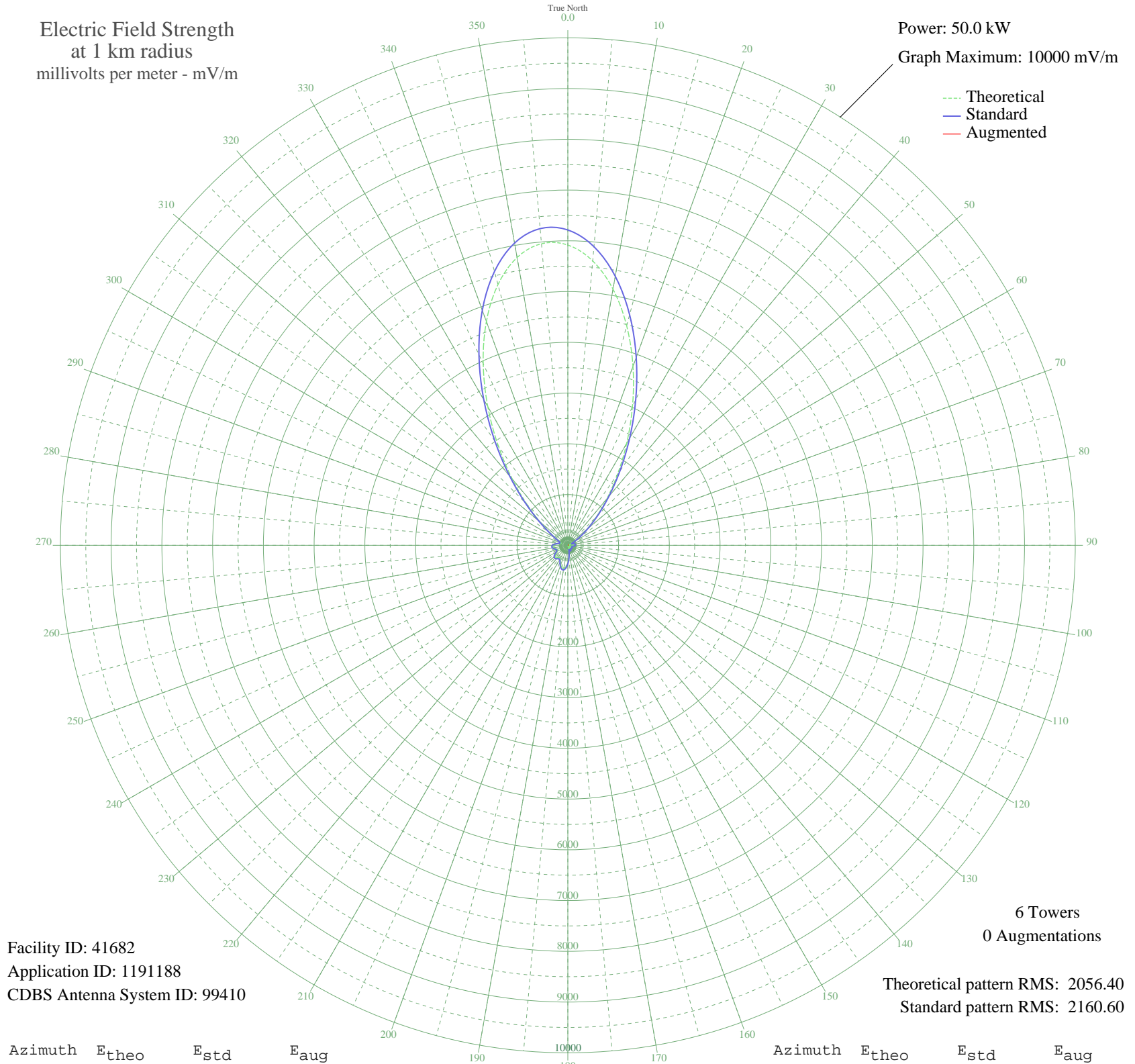


# WOAP WAVERLY, MI BMP-20070620ADM 1080 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 41682  
Application ID: 1191188  
CDBS Antenna System ID: 99410

6 Towers  
0 Augmentations

Theoretical pattern RMS: 2056.40  
Standard pattern RMS: 2160.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	5917.53	6213.88	
5	5625.28	5907.04	
10	5126.39	5383.26	
15	4479.35	4703.94	
20	3752.67	3941.05	
25	3013.48	3165.08	
30	2317.97	2435.08	
35	1705.44	1792.36	
40	1196.50	1258.66	
45	795.02	838.28	
50	492.54	522.82	
55	273.56	297.30	
60	120.50	147.94	
65	20.29	79.57	
70	54.80	95.86	
75	96.70	127.23	
80	119.48	147.03	
85	126.50	153.36	
90	119.77	147.29	
95	100.82	130.71	
100	71.64	107.41	
105	35.81	85.39	
110	10.58	77.46	
115	40.35	87.59	
120	64.03	101.97	
125	71.46	107.27	
130	59.22	98.71	
135	28.41	82.26	
140	15.04	78.27	
145	59.27	98.74	
150	90.62	122.19	
155	95.12	125.91	
160	63.31	101.47	
165	16.25	78.54	
170	112.71	141.01	
175	230.17	253.55	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	341.50	366.68	
185	424.82	452.60	
190	464.32	493.52	
195	455.08	483.94	
200	406.26	433.41	
205	342.22	367.42	
210	298.56	322.73	
215	298.04	322.20	
220	322.63	347.33	
225	338.98	364.09	
230	329.04	353.89	
235	292.64	316.69	
240	244.32	267.75	
245	211.20	234.63	
250	216.88	240.28	
255	250.71	274.18	
260	283.53	307.41	
265	295.75	319.86	
270	279.81	303.64	
275	237.61	261.01	
280	180.86	204.79	
285	135.76	161.86	
290	138.29	164.20	
295	186.23	210.03	
300	271.79	295.49	
305	431.86	459.89	
310	711.93	751.44	
315	1134.43	1193.62	
320	1699.12	1785.73	
325	2385.80	2506.26	
330	3154.39	3313.00	
335	3946.94	4145.00	
340	4693.09	4928.34	
345	5319.12	5585.60	
350	5759.01	6047.45	
355	5965.34	6264.08	

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.

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13 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission