

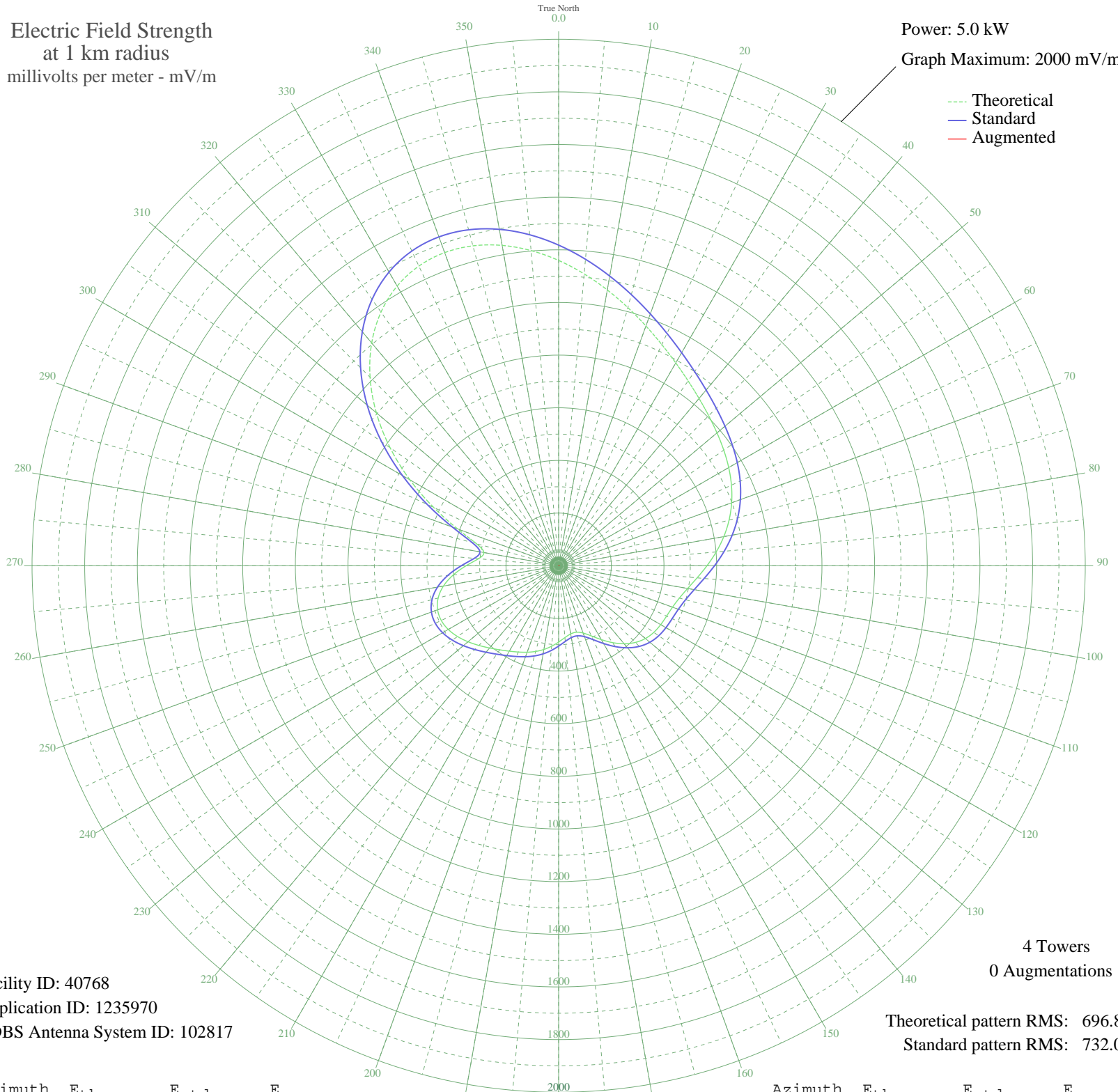
# WGDJ RENSSELAER, NY BML-20080125AEO 1300 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 40768  
Application ID: 1235970  
CDBS Antenna System ID: 102817

4 Towers  
0 Augmentations

Theoretical pattern RMS: 696.85  
Standard pattern RMS: 732.07

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1159.72	1217.93	
5	1112.76	1168.63	
10	1063.77	1117.20	
15	1015.25	1066.27	
20	969.19	1017.92	
25	927.03	973.66	
30	889.60	934.38	
35	857.19	900.36	
40	829.53	871.32	
45	805.86	846.48	
50	785.03	824.61	
55	765.54	804.16	
60	745.77	783.41	
65	724.08	760.65	
70	699.14	734.47	
75	670.11	704.00	
80	636.96	669.22	
85	600.68	631.15	
90	563.32	591.95	
95	527.83	554.72	
100	497.46	522.86	
105	474.73	499.01	
110	460.30	483.89	
115	452.44	475.64	
120	447.50	470.46	
125	441.23	463.88	
130	430.08	452.20	
135	412.04	433.28	
140	386.95	406.97	
145	356.48	375.04	
150	324.02	341.03	
155	294.22	309.82	
160	272.13	286.70	
165	261.52	275.60	
170	263.05	277.20	
175	273.92	288.58	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	289.82	305.22	
185	306.95	323.15	
190	322.97	339.93	
195	337.07	354.70	
200	349.60	367.83	
205	361.70	380.51	
210	374.77	394.21	
215	390.01	410.19	
220	407.96	429.01	
225	428.19	450.22	
230	449.26	472.30	
235	468.85	492.85	
240	484.09	508.84	
245	491.87	516.99	
250	489.21	514.21	
255	473.74	497.98	
260	444.28	467.09	
265	401.82	422.57	
270	351.36	369.67	
275	305.52	321.65	
280	288.21	303.53	
285	323.16	340.12	
290	408.28	429.34	
295	523.69	550.38	
300	652.03	685.03	
305	781.49	820.90	
310	903.80	949.28	
315	1012.93	1063.83	
320	1104.63	1160.09	
325	1176.26	1235.29	
330	1226.68	1288.23	
335	1256.08	1319.10	
340	1265.79	1329.29	
345	1258.02	1321.13	
350	1235.60	1297.59	
355	1201.73	1262.04	

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