

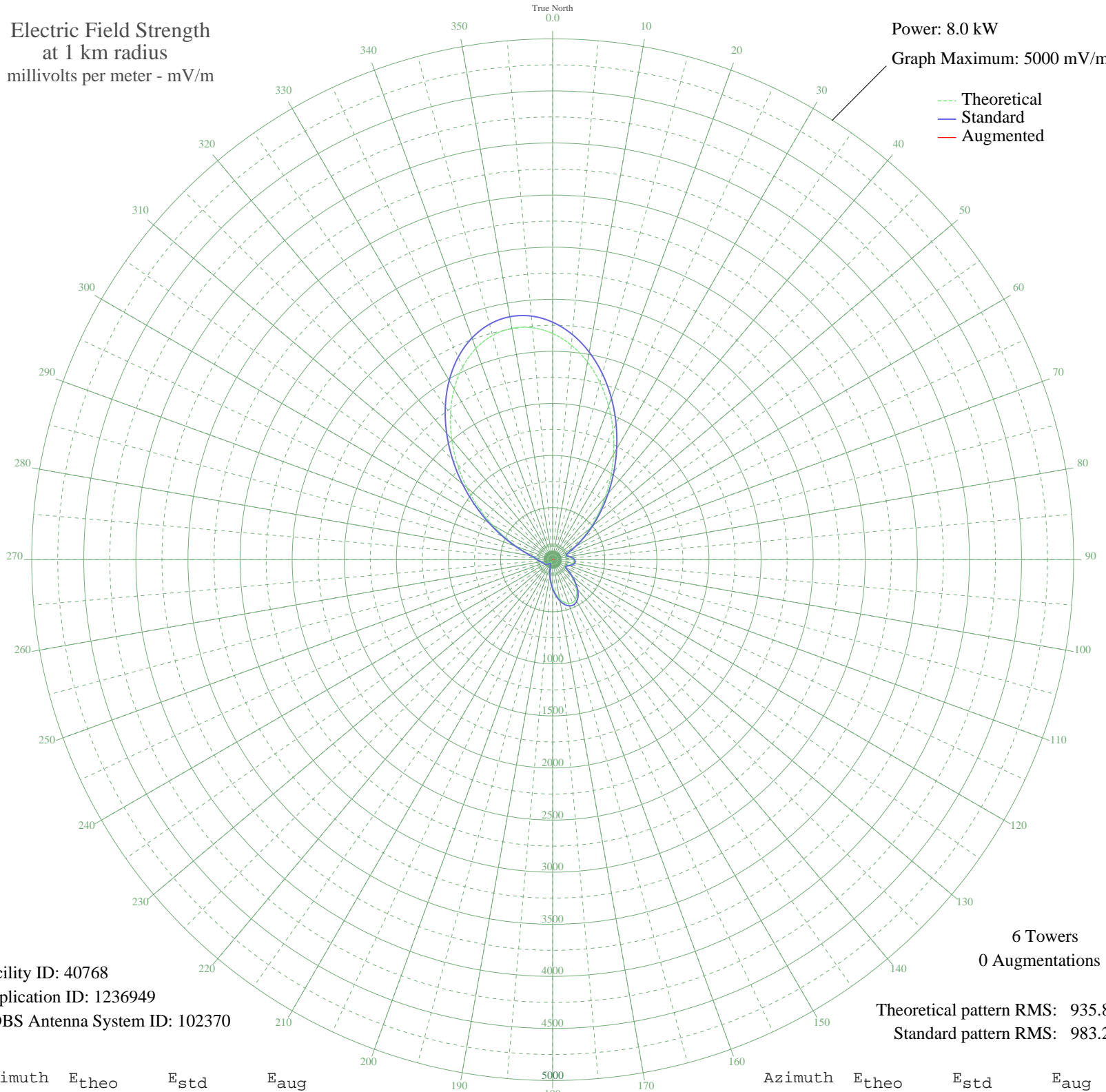
WGDJ RENSSELAER, NY BP-20080305ADS 1300 kHz

Nighttime

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

Power: 8.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
--- Standard  
--- Augmented



Facility ID: 40768  
Application ID: 1236949  
CDBS Antenna System ID: 102370

6 Towers  
0 Augmentations  
Theoretical pattern RMS: 935.84  
Standard pattern RMS: 983.21

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2171.11	2279.91	
5	2066.14	2169.70	
10	1926.00	2022.58	
15	1757.90	1846.10	
20	1570.06	1648.91	
25	1371.13	1440.08	
30	1169.55	1228.48	
35	972.97	1022.16	
40	787.77	827.84	
45	618.84	650.64	
50	469.51	494.13	
55	342.07	360.73	
60	238.79	252.96	
65	164.38	175.82	
70	128.19	138.70	
75	131.82	142.40	
80	155.27	166.43	
85	179.93	191.87	
90	197.48	210.04	
95	204.37	217.19	
100	199.14	211.76	
105	182.16	194.18	
110	156.99	168.21	
115	133.89	144.52	
120	132.92	143.53	
125	167.10	178.62	
130	224.96	238.57	
135	290.44	306.80	
140	352.55	371.69	
145	403.71	425.22	
150	438.58	461.72	
155	453.85	477.71	
160	448.33	471.93	
165	422.93	445.34	
170	380.51	400.93	
175	325.48	343.39	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	263.33	278.52	
185	199.96	212.61	
190	140.97	151.75	
195	91.09	101.34	
200	53.76	65.63	
205	30.98	46.68	
210	22.66	41.07	
215	24.67	42.33	
220	32.95	48.14	
225	45.01	57.91	
230	57.66	69.19	
235	68.11	78.96	
240	75.10	85.66	
245	79.60	90.03	
250	84.58	94.91	
255	93.12	103.34	
260	105.81	116.04	
265	120.84	131.22	
270	137.21	147.91	
275	158.95	170.22	
280	196.85	209.39	
285	263.51	278.70	
290	365.59	385.32	
295	502.89	529.10	
300	671.28	705.64	
305	864.40	908.24	
310	1074.26	1128.47	
315	1291.71	1356.71	
320	1506.92	1582.62	
325	1709.94	1795.74	
330	1891.29	1986.14	
335	2042.51	2144.89	
340	2156.59	2264.66	
345	2228.38	2340.04	
350	2254.86	2367.84	
355	2235.25	2347.26	

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