

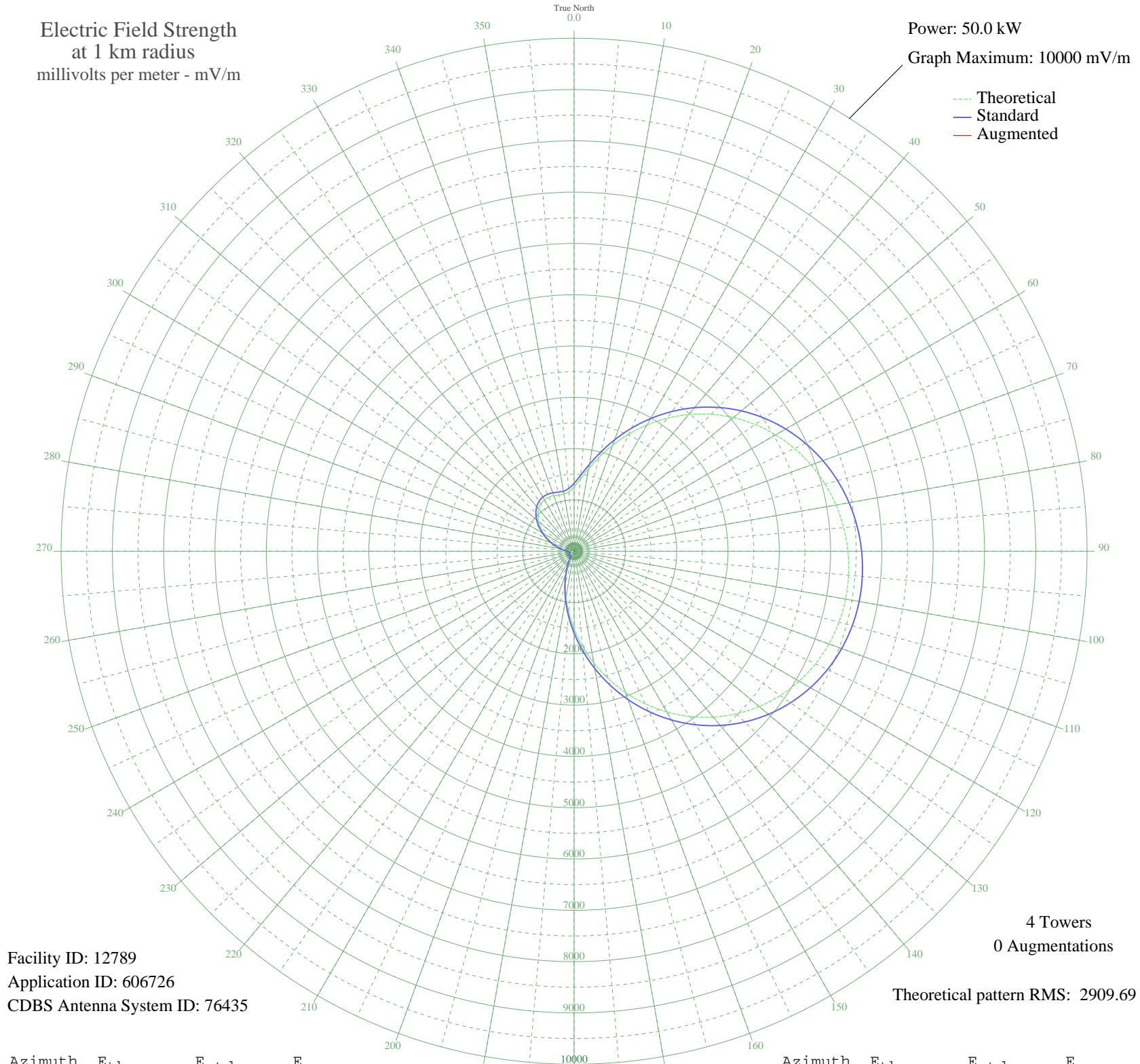
WWZN BOSTON, MA BL-20020619ACD 1510 kHz

Nighttime

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

Power: 50.0 kW
Graph Maximum: 10000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 12789
Application ID: 606726
CDBS Antenna System ID: 76435

4 Towers
0 Augmentations

Theoretical pattern RMS: 2909.69

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1257.04	1322.27	
5	1415.11	1487.97	
10	1634.03	1717.55	
15	1900.57	1997.17	
20	2199.67	2311.01	
25	2517.51	2644.58	
30	2842.47	2985.65	
35	3165.08	3324.28	
40	3477.85	3652.60	
45	3775.02	3964.56	
50	4052.31	4255.67	
55	4306.69	4522.72	
60	4536.07	4763.54	
65	4739.14	4976.73	
70	4915.05	5161.41	
75	5063.27	5317.02	
80	5183.40	5443.14	
85	5275.04	5539.36	
90	5337.74	5605.19	
95	5370.89	5639.99	
100	5373.75	5642.99	
105	5345.48	5613.31	
110	5285.19	5550.01	
115	5191.99	5452.17	
120	5065.19	5319.04	
125	4904.36	5150.18	
130	4709.53	4945.64	
135	4481.40	4706.14	
140	4221.46	4433.24	
145	3932.19	4129.56	
150	3617.14	3798.82	
155	3281.01	3445.97	
160	2929.59	3077.09	
165	2569.64	2699.29	
170	2208.65	2320.43	
175	1854.51	1948.84	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1515.13	1592.86	
185	1198.02	1260.41	
190	909.82	958.59	
195	655.99	693.33	
200	440.52	469.28	
205	266.03	290.34	
210	134.98	162.36	
215	59.21	100.70	
220	65.22	104.71	
225	88.21	121.87	
230	94.40	126.88	
235	84.69	119.09	
240	64.41	104.16	
245	39.38	89.35	
250	15.42	80.85	
255	14.61	80.68	
260	36.21	87.86	
265	64.80	104.42	
270	106.19	136.77	
275	164.63	190.14	
280	241.09	265.25	
285	334.16	359.70	
290	440.77	469.53	
295	556.59	589.76	
300	676.39	714.61	
305	794.29	837.75	
310	904.14	952.64	
315	999.97	1052.95	
320	1076.52	1133.11	
325	1129.87	1189.00	
330	1158.30	1218.79	
335	1163.36	1224.09	
340	1151.17	1211.32	
345	1133.98	1193.31	
350	1130.81	1189.99	
355	1165.07	1225.89	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission