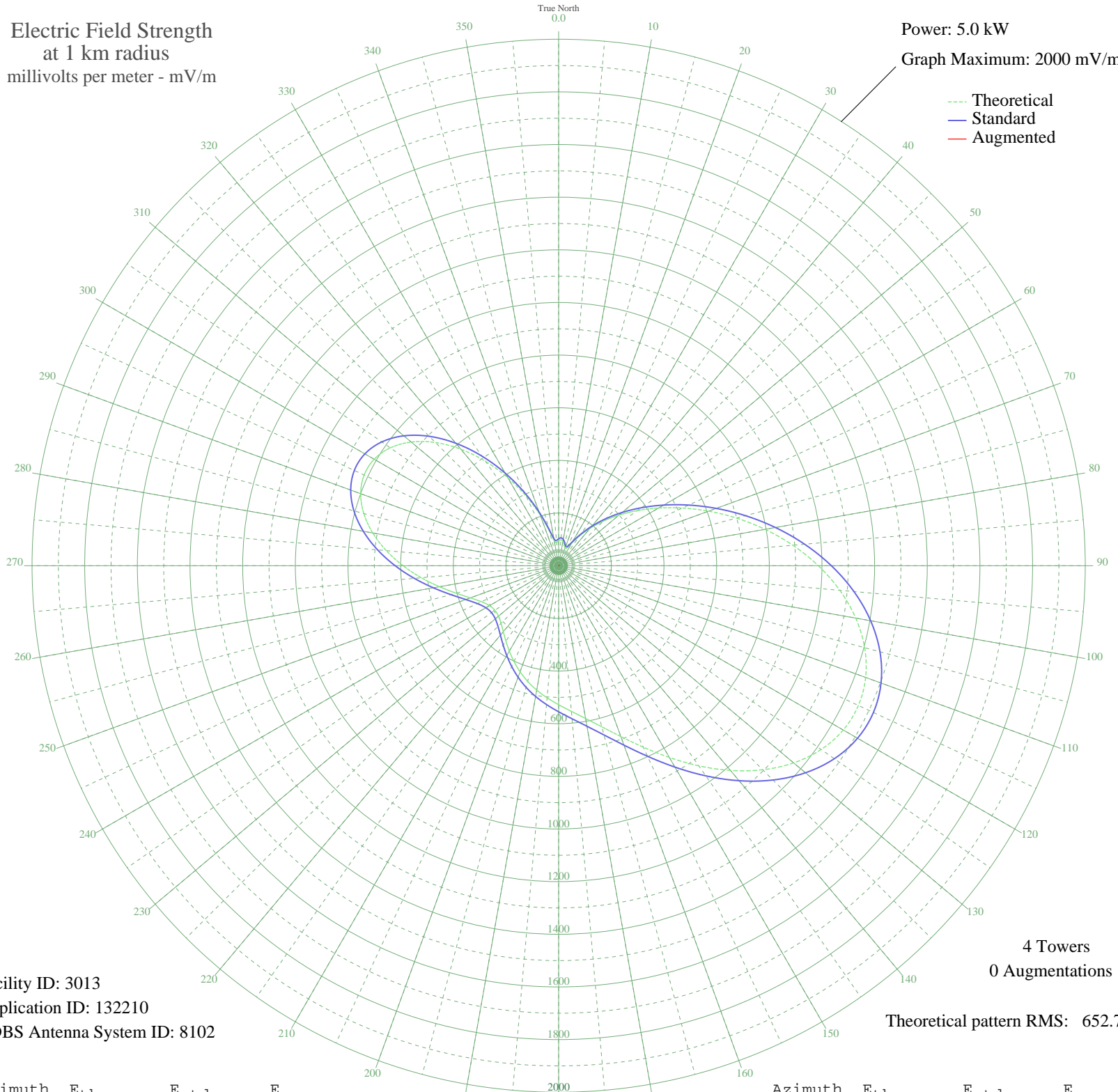


WBNW CONCORD, MA BL-19890814AD 1120 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 3013
Application ID: 132210
CDBS Antenna System ID: 8102

4 Towers
0 Augmentations
Theoretical pattern RMS: 652.70

Azimuth	E _{theo}	E _{std}	E _{aug}
0	95.07	102.54	
5	98.79	106.35	
10	94.12	101.58	
15	82.63	89.88	
20	71.65	78.81	
25	74.50	81.67	
30	98.48	106.04	
35	137.47	146.24	
40	185.21	195.89	
45	239.19	252.25	
50	298.99	314.82	
55	365.12	384.09	
60	438.24	460.75	
65	518.72	545.16	
70	606.17	636.91	
75	699.31	734.65	
80	795.90	836.02	
85	892.83	937.77	
90	986.30	1035.88	
95	1072.04	1125.89	
100	1145.68	1203.19	
105	1203.08	1263.45	
110	1240.72	1302.97	
115	1256.12	1319.13	
120	1248.10	1310.71	
125	1217.09	1278.15	
130	1165.19	1223.67	
135	1096.13	1151.17	
140	1015.00	1066.01	
145	927.83	974.50	
150	840.97	883.33	
155	760.31	798.67	
160	690.36	725.26	
165	633.44	665.53	
170	589.25	619.15	
175	555.29	583.53	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	527.93	554.82	
185	503.61	529.31	
190	479.70	504.23	
195	454.76	478.07	
200	428.48	450.52	
205	401.39	422.11	
210	374.53	393.96	
215	349.26	367.47	
220	327.04	344.19	
225	309.44	325.76	
230	298.24	314.03	
235	295.44	311.10	
240	303.23	319.26	
245	323.44	340.43	
250	356.90	375.48	
255	402.96	423.76	
260	459.59	483.14	
265	523.57	550.25	
270	590.89	620.88	
275	656.99	690.24	
280	717.02	753.24	
285	766.20	804.85	
290	800.11	840.45	
295	815.19	856.27	
300	809.00	849.78	
305	780.63	820.00	
310	730.78	767.68	
315	661.88	695.37	
320	577.86	607.21	
325	483.92	508.66	
330	386.11	406.09	
335	290.97	306.42	
340	205.46	217.00	
345	137.57	146.34	
350	97.33	104.86	
355	88.70	96.05	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission