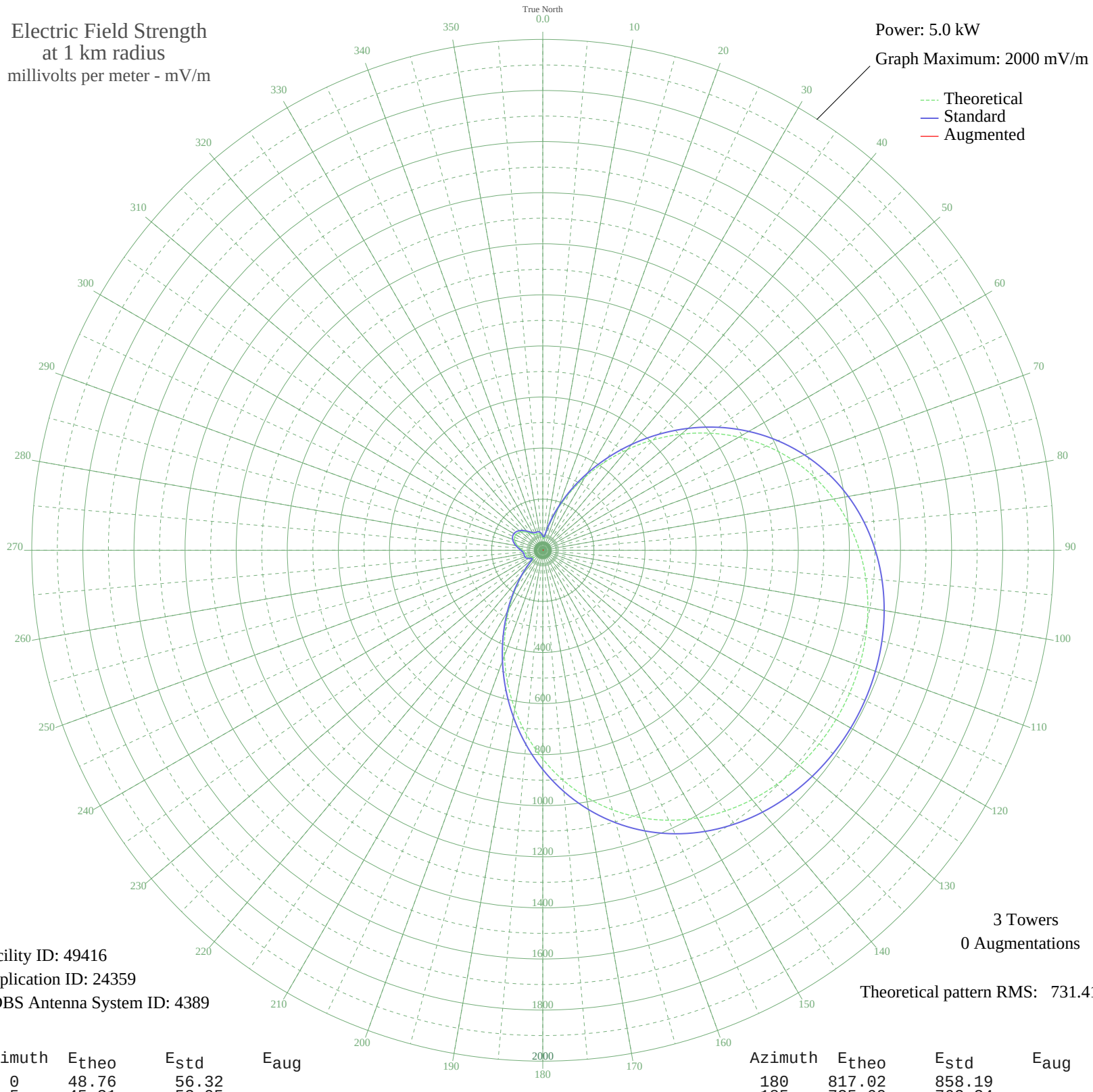
WCAP LOWELL, MA BL-19801014AT 980 kHz

Nighttime



Facility ID: 49416
Application ID: 24359
CDBS Antenna System ID: 4389

3 Towers
0 Augmentations

Theoretical pattern RMS: 731.41

Azimuth	E_{theo}	E_{std}	E_{aug}
0	48.76	56.32	
5	45.31	53.05	
10	66.99	74.15	
15	112.37	120.30	
20	173.65	183.84	
25	247.08	260.50	
30	330.11	347.41	
35	420.24	441.87	
40	514.85	541.10	
45	611.24	642.23	
50	706.80	742.52	
55	799.13	839.42	
60	886.17	930.77	
65	966.29	1014.88	
70	1038.38	1090.55	
75	1101.76	1157.08	
80	1156.23	1214.27	
85	1201.97	1262.28	
90	1239.40	1301.58	
95	1269.15	1332.82	
100	1291.93	1356.73	
105	1308.41	1374.03	
110	1319.19	1385.34	
115	1324.70	1391.14	
120	1325.20	1391.66	
125	1320.70	1386.93	
130	1311.00	1376.75	
135	1295.70	1360.69	
140	1274.24	1338.16	
145	1245.94	1308.45	
150	1210.10	1270.82	
155	1166.07	1224.60	
160	1113.37	1169.27	
165	1051.76	1104.60	
170	981.38	1030.72	
175	902.79	948.22	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	817.02	858.19	
185	725.60	762.24	
190	630.50	662.44	
195	534.07	561.26	
200	438.89	461.43	
205	347.65	365.79	
210	263.00	277.14	
215	187.45	198.22	
220	123.51	131.79	
225	74.50	81.67	
230	47.31	54.94	
235	46.92	54.58	
240	57.07	64.36	
245	64.72	71.89	
250	67.77	74.93	
255	67.92	75.08	
260	68.14	75.31	
265	71.25	78.41	
270	78.38	85.58	
275	88.52	95.86	
280	99.65	107.24	
285	109.82	117.68	
290	117.54	125.63	
295	121.84	130.07	
300	122.24	130.48	
305	118.70	126.82	
310	111.60	119.51	
315	101.82	109.46	
320	90.73	98.12	
325	80.22	87.44	
330	72.36	79.53	
335	68.47	75.63	
340	67.86	75.02	
345	67.95	75.11	
350	65.67	72.84	
355	58.96	66.21	

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.

24 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission