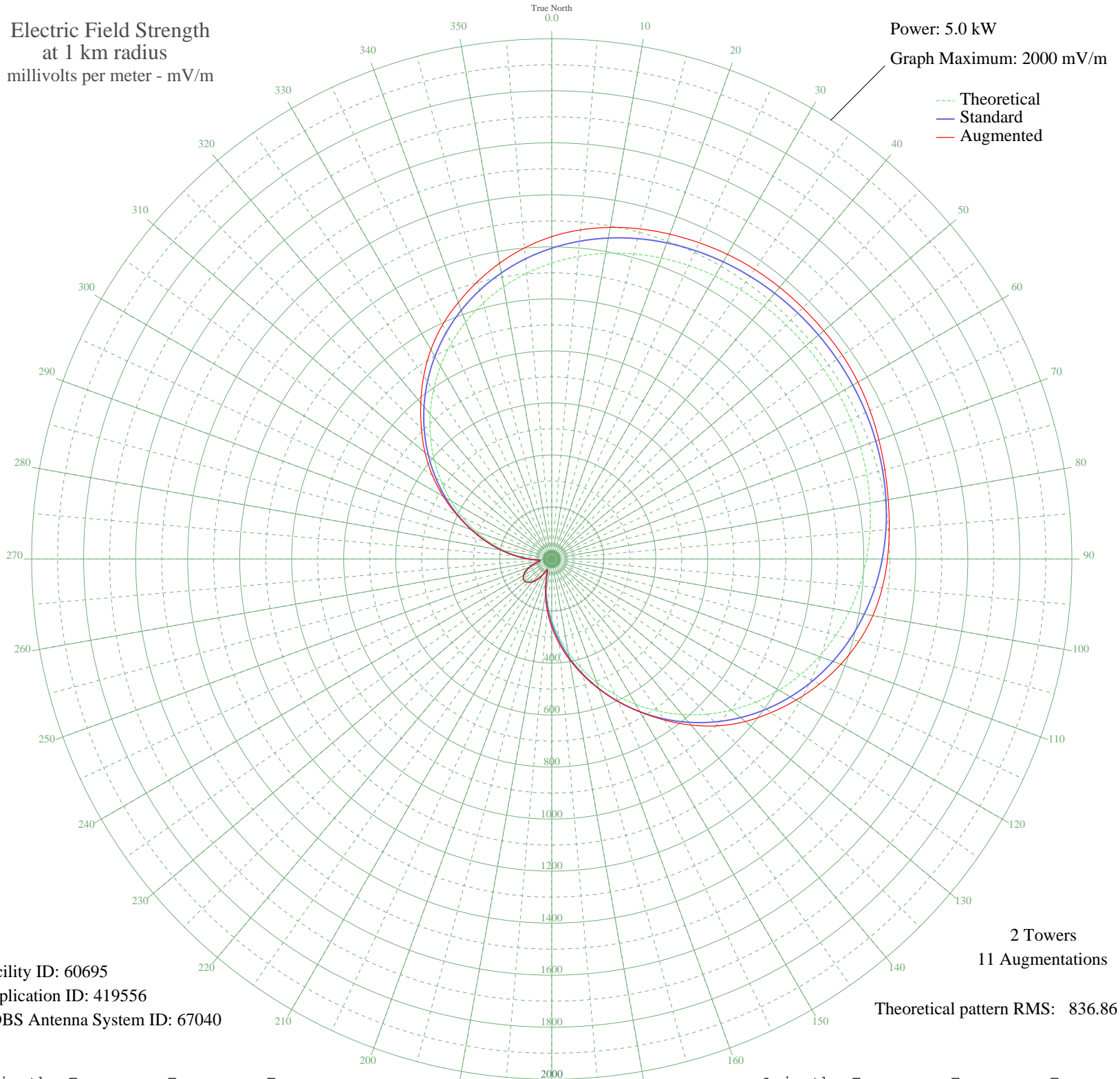


WRCA WALTHAM, MA BL-14408 1330 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 60695
Application ID: 419556
CDBS Antenna System ID: 67040

2 Towers
11 Augmentations
Theoretical pattern RMS: 836.86

Azimuth	Etheo	Estd	Eaug
0	1137.67	1194.81	1239.25
5	1167.60	1226.23	1270.05
10	1192.98	1252.87	1294.42
15	1214.13	1275.07	1313.59
20	1231.43	1293.23	1328.83
25	1245.28	1307.78	1341.42
30	1256.08	1319.12	1352.10
35	1264.19	1327.63	1359.32
40	1269.94	1333.66	1363.34
45	1273.56	1337.46	1365.10
50	1275.24	1339.22	1365.55
55	1275.05	1339.03	1364.85
60	1272.99	1336.87	1359.79
65	1268.96	1332.64	1350.49
70	1262.77	1326.14	1338.68
75	1254.15	1317.09	1326.13
80	1242.77	1305.14	1314.00
85	1228.26	1289.90	1302.87
90	1210.22	1270.97	1291.14
95	1188.25	1247.91	1275.85
100	1161.99	1220.34	1253.84
105	1131.11	1187.92	1222.76
110	1095.38	1150.41	1183.16
115	1054.66	1107.66	1136.71
120	1008.92	1059.65	1084.92
125	958.28	1006.50	1029.65
130	902.99	948.46	971.96
135	843.46	885.97	906.57
140	780.20	819.57	833.46
145	713.87	749.97	755.93
150	645.24	677.95	678.52
155	575.14	604.40	604.64
160	504.48	530.28	532.08
165	434.18	456.55	461.29
170	365.18	384.23	392.67
175	298.40	314.28	326.23

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

Azimuth	Etheo	Estd	Eaug
180	234.74	247.69	261.78
185	175.11	185.50	199.41
190	120.59	128.98	139.89
195	73.00	80.49	86.03
200	38.90	47.66	49.23
205	39.63	48.31	49.83
210	63.67	71.21	72.06
215	87.55	95.15	95.55
220	106.37	114.36	114.50
225	119.00	127.33	127.35
230	125.04	133.57	133.57
235	124.37	132.87	132.87
240	116.99	125.27	125.32
245	103.08	110.99	111.21
250	83.12	90.66	91.18
255	58.55	66.19	67.22
260	36.34	45.37	47.07
265	43.80	52.13	53.57
270	81.80	89.33	90.01
275	131.02	139.75	140.02
280	186.67	197.53	197.62
285	247.18	260.69	260.70
290	311.53	328.03	328.56
295	378.83	398.53	403.50
300	448.17	471.22	482.02
305	518.62	545.10	560.36
310	589.24	619.19	636.08
315	659.11	692.50	708.68
320	727.35	764.11	783.45
325	793.12	833.13	858.29
330	855.68	898.80	929.27
335	914.41	960.44	993.38
340	968.79	1017.53	1049.74
345	1018.47	1069.67	1103.65
350	1063.21	1116.64	1154.69
355	1102.93	1158.33	1200.54