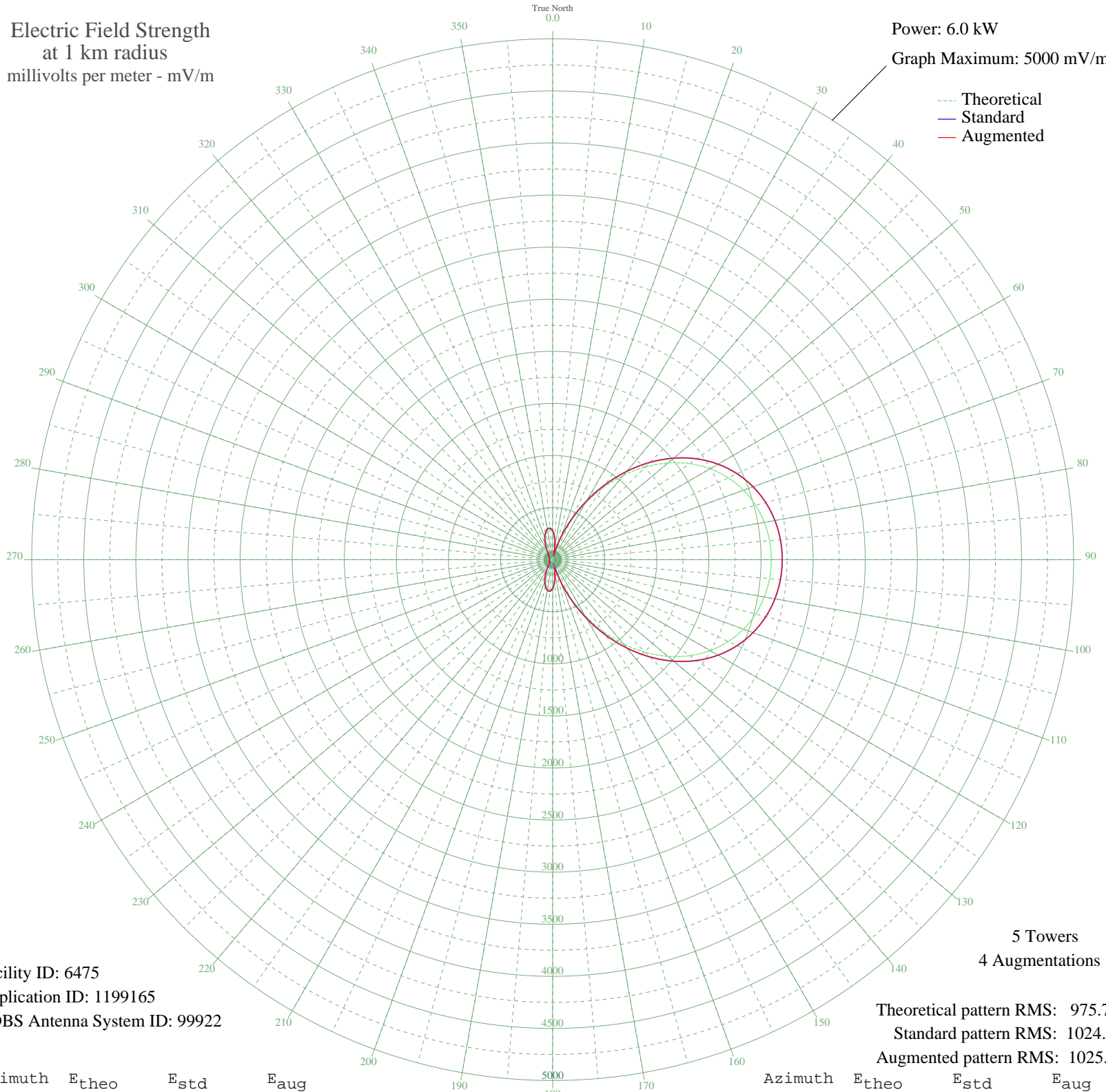


WAMG DEDHAM, MA BL-20070727AJ0 890 kHz

Nighttime

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

Power: 6.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 6475
Application ID: 1199165
CDBS Antenna System ID: 99922

5 Towers
4 Augmentations

Theoretical pattern RMS: 975.70
Standard pattern RMS: 1024.90
Augmented pattern RMS: 1025.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	263.24	278.14	278.14
5	201.78	214.13	214.16
10	101.41	110.92	112.51
15	36.70	49.49	54.60
20	207.94	220.54	220.96
25	404.84	426.22	426.22
30	618.04	649.68	649.68
35	837.44	879.86	879.86
40	1053.37	1106.48	1106.48
45	1257.50	1320.74	1320.74
50	1443.41	1515.90	1515.90
55	1606.87	1687.50	1687.50
60	1745.73	1833.28	1833.28
65	1859.57	1952.80	1952.80
70	1949.23	2046.93	2046.93
75	2016.28	2117.32	2117.32
80	2062.50	2165.85	2165.85
85	2089.51	2194.21	2194.21
90	2098.39	2203.53	2203.53
95	2089.51	2194.21	2194.21
100	2062.50	2165.85	2165.85
105	2016.28	2117.32	2117.32
110	1949.23	2046.93	2046.93
115	1859.57	1952.80	1952.80
120	1745.73	1833.28	1833.28
125	1606.87	1687.50	1687.50
130	1443.41	1515.90	1515.90
135	1257.50	1320.74	1320.74
140	1053.37	1106.48	1106.48
145	837.44	879.86	879.86
150	618.04	649.68	649.68
155	404.84	426.22	426.22
160	207.94	220.54	224.60
165	36.70	49.49	86.92
170	101.41	110.92	125.41
175	201.78	214.13	214.43

Azimuth	E _{theo}	E _{std}	E _{aug}
180	263.24	278.14	278.14
185	288.18	304.17	304.17
190	282.02	297.75	297.75
195	252.36	266.79	266.79
200	207.77	220.36	220.36
205	156.64	167.38	167.38
210	106.18	115.73	115.73
215	61.76	71.90	71.90
220	26.75	41.87	41.87
225	4.84	31.46	31.46
230	13.66	34.20	35.36
235	19.31	37.08	41.56
240	18.64	36.71	40.70
245	13.81	34.27	34.81
250	6.91	31.89	31.89
255	0.31	31.05	31.05
260	6.31	31.75	31.75
265	10.30	32.88	32.88
270	11.69	33.39	33.39
275	10.30	32.88	32.88
280	6.31	31.75	31.75
285	0.31	31.05	31.05
290	6.91	31.89	31.89
295	13.81	34.27	34.27
300	18.64	36.71	36.71
305	19.31	37.08	37.34
310	13.66	34.20	54.68
315	4.84	31.46	64.17
320	26.75	41.87	55.51
325	61.76	71.90	71.90
330	106.18	115.73	115.73
335	156.64	167.38	167.38
340	207.77	220.36	220.36
345	252.36	266.79	266.79
350	282.02	297.75	297.75
355	288.18	304.17	304.17

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission