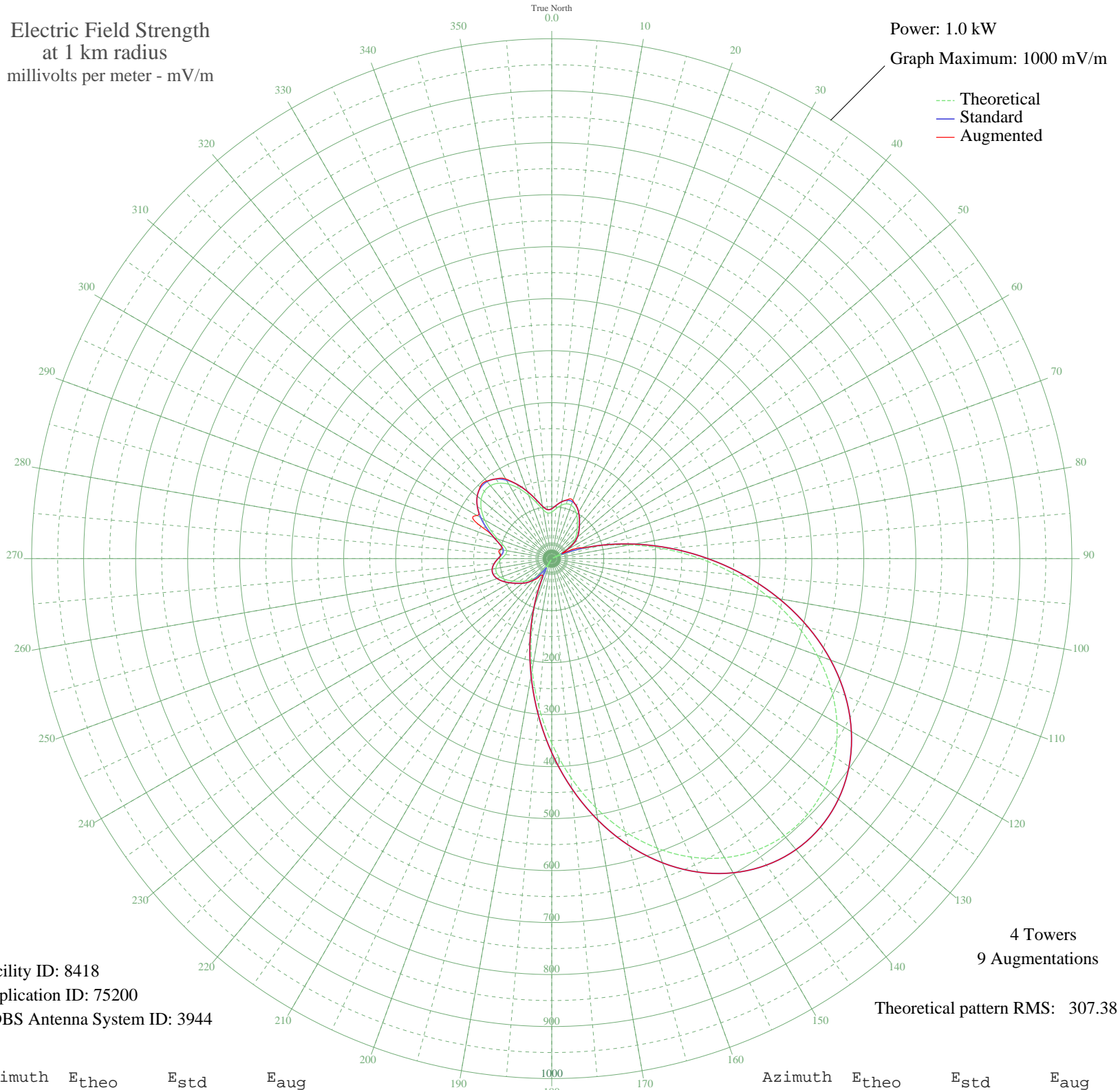


# WFGL FITCHBURG, MA BL-19850107AH 960 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 8418  
Application ID: 75200  
CDBS Antenna System ID: 3944

4 Towers  
9 Augmentations  
Theoretical pattern RMS: 307.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	89.44	96.03	96.03
5	96.41	103.20	103.20
10	104.18	111.21	111.21
15	109.11	116.31	117.57
20	109.39	116.60	118.97
25	104.82	111.87	111.87
30	96.48	103.27	103.27
35	86.35	92.86	92.86
40	76.44	82.73	82.73
45	67.54	73.69	73.69
50	58.19	64.31	64.31
55	45.23	51.55	51.55
60	25.27	33.27	33.27
65	4.08	20.51	32.33
70	43.83	50.20	60.85
75	93.64	100.35	100.35
80	152.08	160.94	160.94
85	216.91	228.64	228.64
90	285.47	300.41	300.41
95	354.92	373.20	373.20
100	422.55	444.13	444.13
105	485.98	510.67	510.67
110	543.19	570.71	570.71
115	592.66	622.62	622.62
120	633.25	665.22	665.22
125	664.22	697.72	697.72
130	685.08	719.61	719.61
135	695.56	730.62	730.62
140	695.56	730.62	730.62
145	685.08	719.61	719.61
150	664.22	697.72	697.72
155	633.25	665.22	665.22
160	592.66	622.62	622.62
165	543.19	570.71	570.71
170	485.98	510.67	510.67
175	422.55	444.13	444.13

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	354.92	373.20	373.20
185	285.47	300.41	300.41
190	216.91	228.64	228.64
195	152.08	160.94	160.94
200	93.64	100.35	100.35
205	43.83	50.20	50.81
210	4.08	20.51	36.97
215	25.27	33.26	42.26
220	45.23	51.55	53.45
225	58.19	64.31	64.31
230	67.54	73.69	73.69
235	76.44	82.73	82.73
240	86.35	92.86	92.86
245	96.48	103.27	103.27
250	104.82	111.87	111.87
255	109.39	116.60	116.60
260	109.11	116.31	116.31
265	104.18	111.21	111.21
270	96.42	103.20	103.20
275	89.44	96.03	99.10
280	88.09	94.65	100.46
285	95.58	102.34	102.34
290	110.76	118.02	118.02
295	129.78	137.73	155.21
300	148.85	157.58	165.93
305	165.24	174.65	174.65
310	177.09	187.02	187.02
315	183.28	193.48	194.75
320	183.28	193.48	194.75
325	177.09	187.02	187.27
330	165.24	174.65	177.14
335	148.85	157.58	157.58
340	129.78	137.73	137.73
345	110.76	118.02	118.02
350	95.58	102.34	102.34
355	88.09	94.65	94.65

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission