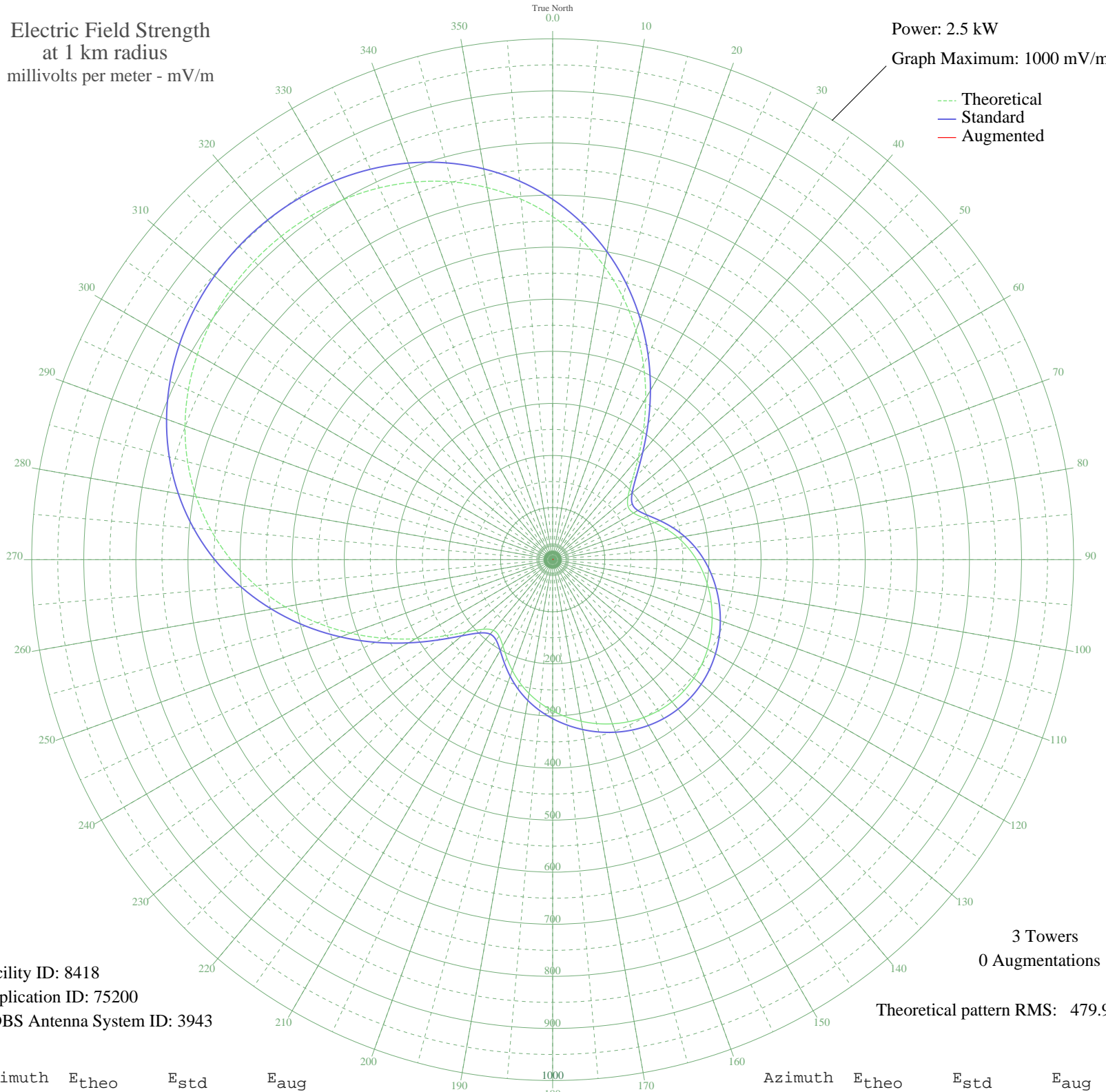


# WFGL FITCHBURG, MA BL-19850107AH 960 kHz

Daytime

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

Power: 2.5 kW  
Graph Maximum: 1000 mV/m



Facility ID: 8418  
Application ID: 75200  
CDBS Antenna System ID: 3943

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 479.91

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	658.75	691.89	
5	617.60	648.69	
10	571.60	600.41	
15	521.39	547.71	
20	467.93	491.61	
25	412.59	433.53	
30	357.13	375.36	
35	303.85	319.48	
40	255.63	268.93	
45	216.05	227.46	
50	188.97	199.11	
55	176.99	186.58	
60	179.18	188.87	
65	191.18	201.42	
70	208.08	219.11	
75	226.39	238.29	
80	244.26	257.01	
85	260.92	274.47	
90	276.22	290.50	
95	290.25	305.21	
100	303.16	318.75	
105	315.03	331.20	
110	325.81	342.50	
115	335.34	352.49	
120	343.38	360.93	
125	349.70	367.56	
130	354.06	372.13	
135	356.28	374.46	
140	356.28	374.46	
145	354.06	372.13	
150	349.70	367.56	
155	343.38	360.93	
160	335.34	352.49	
165	325.81	342.50	
170	315.03	331.20	
175	303.16	318.75	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	290.25	305.21	
185	276.22	290.50	
190	260.92	274.47	
195	244.26	257.01	
200	226.40	238.29	
205	208.08	219.11	
210	191.18	201.42	
215	179.18	188.87	
220	176.99	186.58	
225	188.97	199.11	
230	216.05	227.45	
235	255.63	268.93	
240	303.85	319.48	
245	357.13	375.35	
250	412.58	433.53	
255	467.93	491.61	
260	521.39	547.71	
265	571.60	600.41	
270	617.60	648.69	
275	658.75	691.89	
280	694.72	729.65	
285	725.43	761.89	
290	750.99	788.71	
295	771.61	810.36	
300	787.60	827.14	
305	799.26	839.38	
310	806.86	847.37	
315	810.61	851.30	
320	810.61	851.30	
325	806.86	847.37	
330	799.26	839.38	
335	787.60	827.14	
340	771.61	810.36	
345	750.99	788.71	
350	725.43	761.89	
355	694.72	729.65	

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