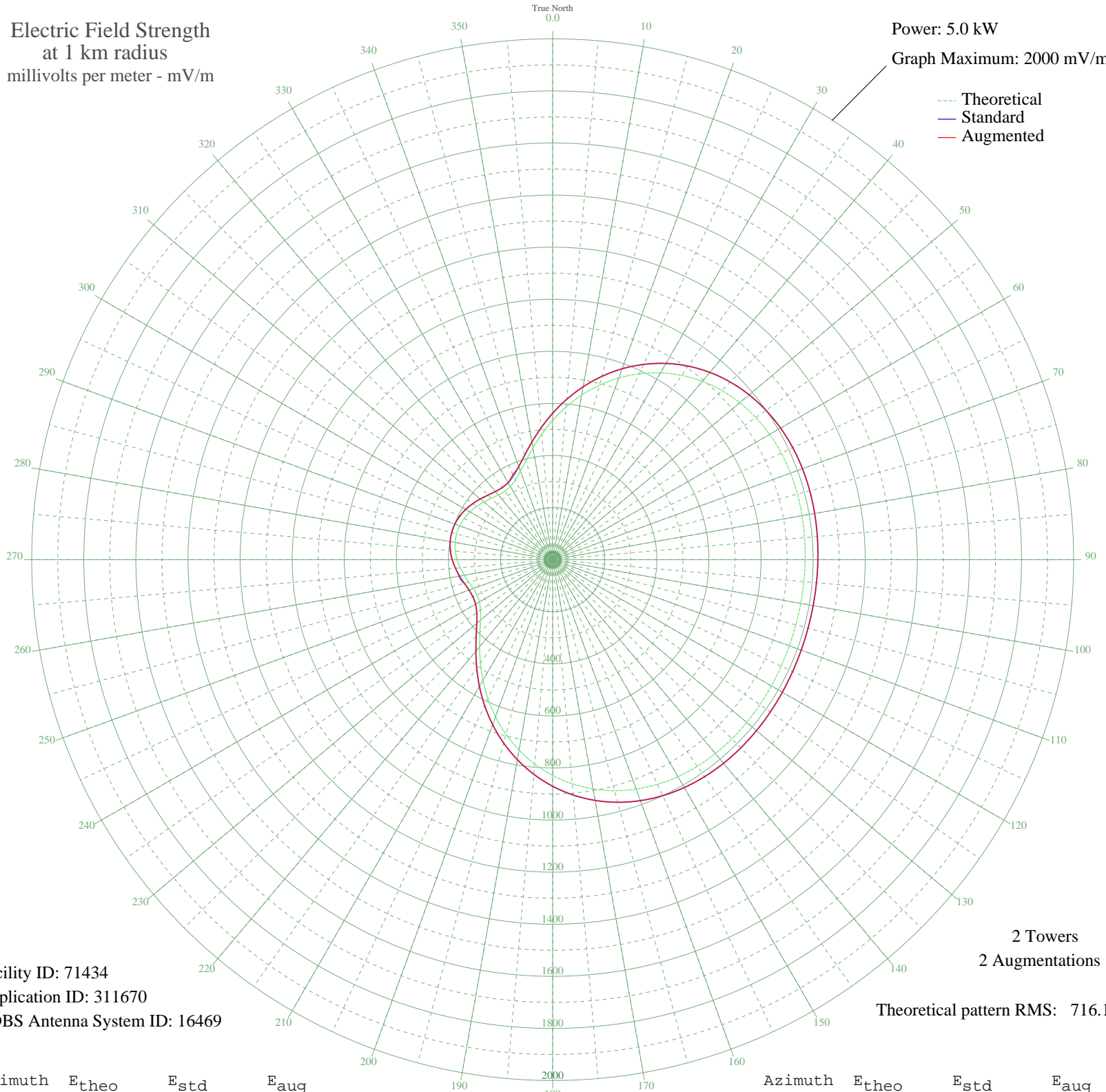


WPKZ FITCHBURG, MA BL-- 1280 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 71434
Application ID: 311670
CDBS Antenna System ID: 16469

2 Towers
2 Augmentations

Theoretical pattern RMS: 716.16

Azimuth	E _{theo}	E _{std}	E _{aug}
0	534.83	562.07	562.07
5	588.09	617.94	617.94
10	641.44	673.93	673.93
15	693.33	728.38	728.38
20	742.43	779.90	779.90
25	787.67	827.39	827.39
30	828.27	870.00	870.00
35	863.70	907.19	907.19
40	893.70	938.68	938.68
45	918.25	964.44	964.44
50	937.53	984.69	984.69
55	951.95	999.82	999.82
60	962.03	1010.41	1010.41
65	968.42	1017.11	1017.11
70	971.81	1020.67	1020.67
75	972.94	1021.86	1021.86
80	972.51	1021.40	1021.40
85	971.17	1020.00	1020.00
90	969.49	1018.24	1018.24
95	967.95	1016.62	1016.62
100	966.88	1015.49	1015.49
105	966.50	1015.09	1015.09
110	966.88	1015.49	1015.49
115	967.95	1016.62	1016.62
120	969.49	1018.24	1018.24
125	971.17	1020.00	1020.00
130	972.51	1021.40	1021.40
135	972.94	1021.86	1021.86
140	971.81	1020.67	1020.67
145	968.42	1017.11	1017.11
150	962.03	1010.41	1010.41
155	951.95	999.82	999.82
160	937.53	984.69	984.69
165	918.25	964.44	964.44
170	893.70	938.68	938.68
175	863.70	907.19	907.19

Azimuth	E _{theo}	E _{std}	E _{aug}
180	828.27	870.00	870.00
185	787.67	827.39	827.39
190	742.43	779.90	779.90
195	693.33	728.38	728.38
200	641.45	673.93	673.93
205	588.09	617.94	617.94
210	534.84	562.07	562.07
215	483.50	508.22	508.22
220	436.10	458.51	458.51
225	394.78	415.18	415.18
230	361.57	380.37	380.37
235	338.02	355.70	355.70
240	324.71	341.76	341.76
245	320.88	337.74	337.74
250	324.58	341.61	341.61
255	333.29	350.74	352.32
260	344.50	362.49	365.39
265	356.13	374.67	374.67
270	366.57	385.61	385.61
275	374.73	394.16	394.16
280	379.88	399.57	399.57
285	381.64	401.41	401.41
290	379.88	399.57	399.57
295	374.73	394.16	394.16
300	366.57	385.61	385.61
305	356.13	374.67	374.67
310	344.50	362.49	362.49
315	333.29	350.74	350.74
320	324.58	341.61	341.61
325	320.88	337.74	337.74
330	324.71	341.76	341.76
335	338.02	355.70	360.81
340	361.57	380.37	380.37
345	394.78	415.18	415.18
350	436.10	458.51	458.51
355	483.50	508.22	508.22

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission