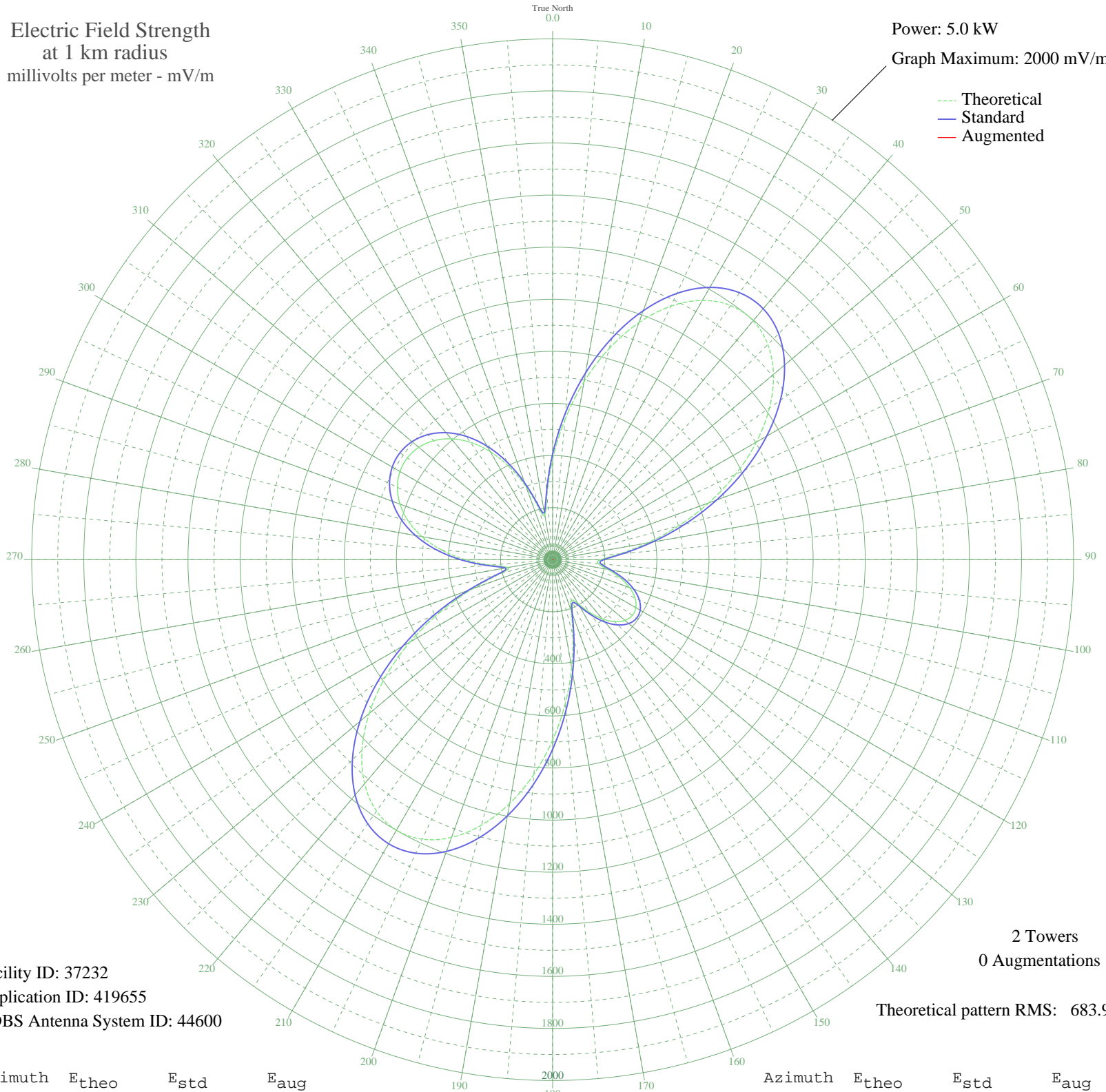


WPOP HARTFORD, CT BL-14150 1410 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 37232
Application ID: 419655
CDBS Antenna System ID: 44600

2 Towers
0 Augmentations
Theoretical pattern RMS: 683.97

Azimuth	E _{theo}	E _{std}	E _{aug}
0	386.08	406.06	
5	539.01	566.44	
10	693.52	728.57	
15	839.53	881.82	
20	968.74	1017.44	
25	1073.99	1127.94	
30	1149.54	1207.24	
35	1191.37	1251.16	
40	1197.59	1257.68	
45	1168.50	1227.14	
50	1106.59	1162.15	
55	1016.24	1067.31	
60	903.32	948.78	
65	774.67	813.74	
70	637.65	669.95	
75	499.94	525.46	
80	369.84	389.05	
85	258.43	272.37	
90	185.34	196.02	
95	175.51	185.77	
100	215.35	227.34	
105	267.83	282.20	
110	314.49	331.05	
115	348.92	367.12	
120	368.86	388.01	
125	373.49	392.87	
130	362.69	381.55	
135	336.81	354.43	
140	297.08	312.81	
145	246.91	260.32	
150	196.15	207.29	
155	171.40	181.49	
160	208.16	219.82	
165	299.79	315.65	
170	420.37	442.01	
175	554.60	582.80	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	692.98	728.01	
185	827.55	869.25	
190	950.78	998.59	
195	1055.44	1108.47	
200	1135.05	1192.03	
205	1184.26	1243.69	
210	1199.40	1259.59	
215	1178.86	1238.02	
220	1123.18	1179.58	
225	1035.17	1087.18	
230	919.55	965.82	
235	782.70	822.17	
240	632.22	664.25	
245	476.97	501.37	
250	328.50	345.72	
255	209.22	220.93	
260	174.06	184.26	
265	239.78	252.86	
270	335.99	353.57	
275	428.73	450.78	
280	508.95	534.91	
285	574.08	603.24	
290	623.59	655.19	
295	657.70	690.98	
300	676.79	711.02	
305	681.18	715.62	
310	670.93	704.87	
315	645.88	678.58	
320	605.65	636.37	
325	549.89	577.87	
330	478.60	503.08	
335	392.86	413.17	
340	296.94	312.67	
345	206.17	217.75	
350	173.67	183.86	
355	250.87	264.46	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission