

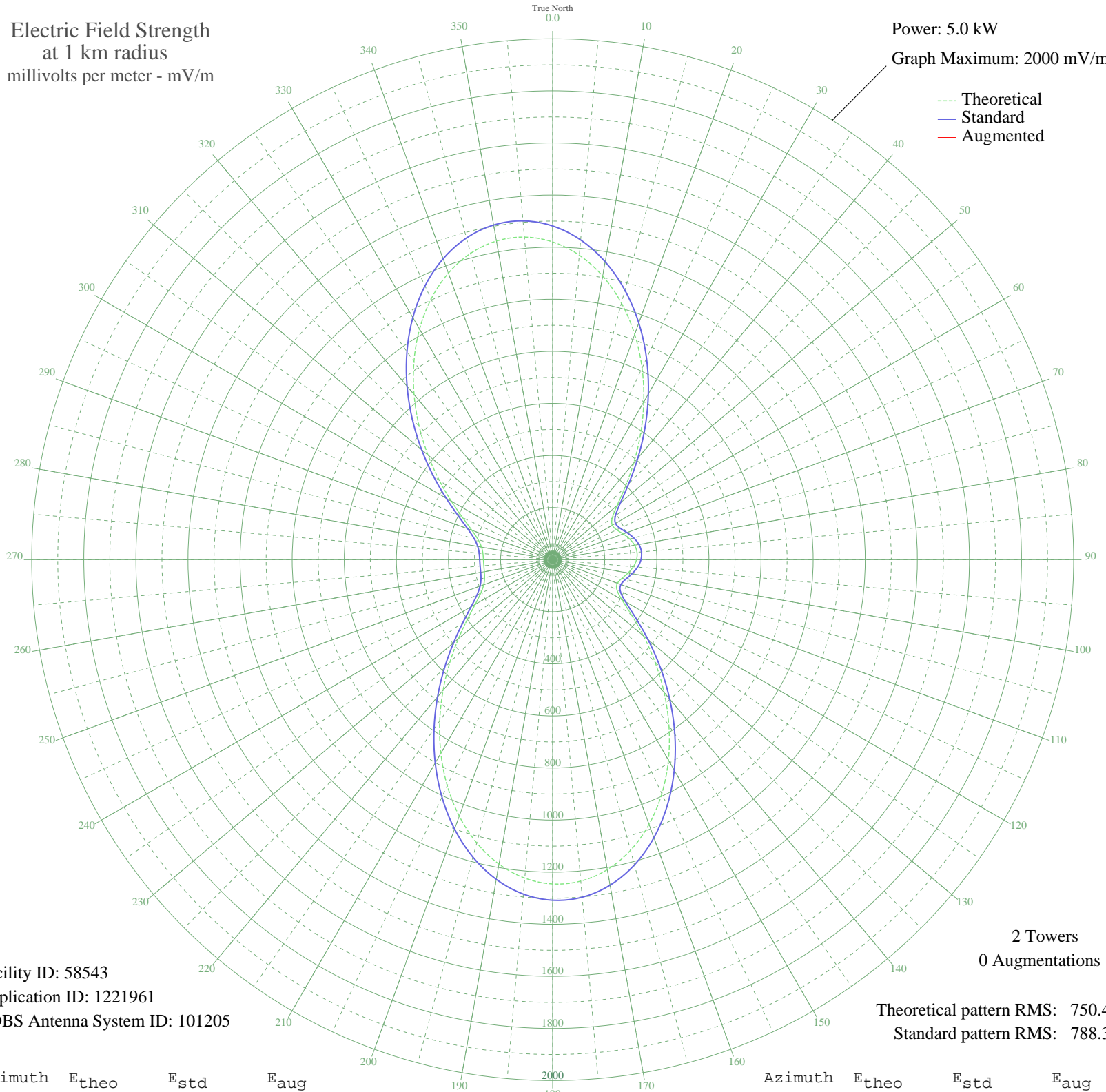
WFEA MANCHESTER, NH BML-20071127AED 1370 kHz

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: 58543  
Application ID: 1221961  
CDBS Antenna System ID: 101205

2 Towers  
0 Augmentations

Theoretical pattern RMS: 750.44  
Standard pattern RMS: 788.31

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1220.13	1281.36	
5	1173.58	1232.49	
10	1105.87	1161.40	
15	1020.21	1071.48	
20	920.70	967.02	
25	812.03	852.96	
30	699.34	734.69	
35	588.03	617.89	
40	483.85	508.60	
45	393.10	413.43	
50	322.77	339.73	
55	279.33	294.25	
60	264.42	278.64	
65	271.17	285.71	
70	288.26	303.59	
75	306.26	322.44	
80	319.48	336.29	
85	325.07	342.14	
90	322.04	338.96	
95	310.91	327.31	
100	293.89	309.49	
105	275.71	290.46	
110	264.67	278.90	
115	272.01	286.59	
120	306.70	322.90	
125	369.53	388.72	
130	454.91	478.24	
135	555.76	584.03	
140	665.55	699.23	
145	778.40	817.67	
150	888.83	933.57	
155	991.61	1041.46	
160	1081.88	1136.22	
165	1155.36	1213.36	
170	1208.54	1269.19	
175	1238.93	1301.10	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1245.26	1307.74	
185	1227.52	1289.11	
190	1186.98	1246.55	
195	1126.07	1182.61	
200	1048.19	1100.85	
205	957.45	1005.60	
210	858.40	901.63	
215	755.78	793.92	
220	654.27	687.39	
225	558.39	586.78	
230	472.31	496.49	
235	399.74	420.39	
240	343.47	361.42	
245	304.60	320.70	
250	281.59	296.61	
255	270.44	284.95	
260	266.27	280.58	
265	265.25	279.51	
270	265.75	280.04	
275	268.67	283.09	
280	277.23	292.05	
285	296.18	311.88	
290	330.00	347.31	
295	381.06	400.81	
300	448.97	472.01	
305	531.36	558.42	
310	624.72	656.38	
315	725.00	761.62	
320	827.77	869.48	
325	928.39	975.10	
330	1022.12	1073.48	
335	1104.31	1159.77	
340	1170.71	1229.47	
345	1217.66	1278.76	
350	1242.43	1304.77	
355	1243.38	1305.77	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission