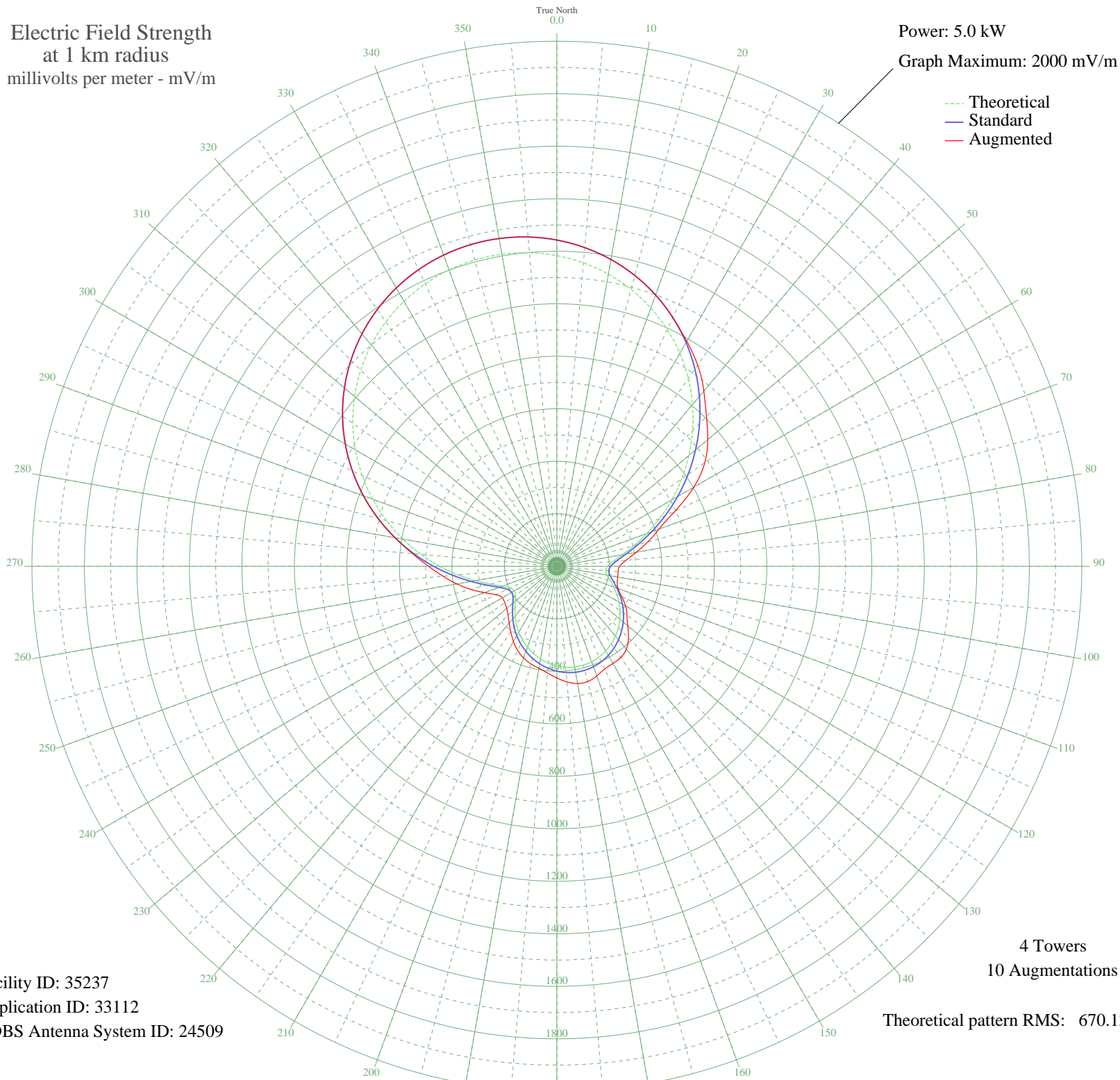


WGIR MANCHESTER, NH BL-19810805AD 610 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 35237
Application ID: 33112
CDBS Antenna System ID: 24509

4 Towers
10 Augmentations
Theoretical pattern RMS: 670.13

Azimuth	Etheo	Estd	Eaug
0	1183.19	1242.67	1242.67
5	1160.14	1218.48	1218.48
10	1129.68	1186.50	1186.50
15	1091.88	1146.82	1146.82
20	1046.91	1099.62	1099.62
25	995.08	1045.22	1045.22
30	936.85	984.10	989.84
35	872.88	916.96	935.32
40	804.05	844.73	871.14
45	731.44	768.54	806.22
50	656.38	689.78	750.46
55	580.37	610.04	688.16
60	505.11	531.12	601.98
65	432.48	454.99	496.58
70	364.59	383.86	413.34
75	303.81	320.25	358.72
80	252.94	267.09	307.19
85	215.14	227.67	264.71
90	193.14	204.76	238.96
95	187.35	198.75	234.35
100	194.73	206.41	235.25
105	210.43	222.75	238.19
110	230.29	243.45	247.92
115	251.64	265.73	272.64
120	273.02	288.06	301.97
125	293.63	309.61	325.73
130	313.03	329.90	352.72
135	330.89	348.58	385.83
140	346.91	365.35	411.93
145	360.79	379.89	424.28
150	372.25	391.89	427.65
155	381.03	401.08	431.75
160	386.91	407.23	444.67
165	389.72	410.19	454.53
170	389.41	409.86	453.40
175	385.97	406.26	442.08

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	379.50	399.48	425.47
185	370.17	389.71	408.12
190	358.20	377.17	394.31
195	343.87	362.16	384.65
200	327.46	344.99	371.58
205	309.27	325.96	353.61
210	289.59	305.39	330.68
215	268.78	283.64	305.84
220	247.33	261.24	282.53
225	226.13	239.12	262.95
230	206.84	219.02	249.22
235	192.43	204.02	242.24
240	187.32	198.71	239.92
245	196.21	207.95	256.40
250	221.51	234.30	293.86
255	262.17	276.73	339.90
260	315.27	332.24	387.08
265	377.68	397.57	435.26
270	446.70	469.89	489.02
275	520.01	546.74	552.12
280	595.56	625.98	626.02
285	671.52	705.66	705.66
290	746.21	784.03	784.03
295	818.16	859.53	859.53
300	886.10	930.83	930.83
305	948.98	996.83	996.83
310	1005.97	1056.65	1056.65
315	1056.46	1109.65	1109.65
320	1100.02	1155.36	1155.36
325	1136.36	1193.51	1193.51
330	1165.35	1223.94	1223.94
335	1186.91	1246.57	1246.57
340	1201.03	1261.40	1261.40
345	1207.71	1268.41	1268.41
350	1206.97	1267.63	1267.63
355	1198.80	1259.06	1259.06