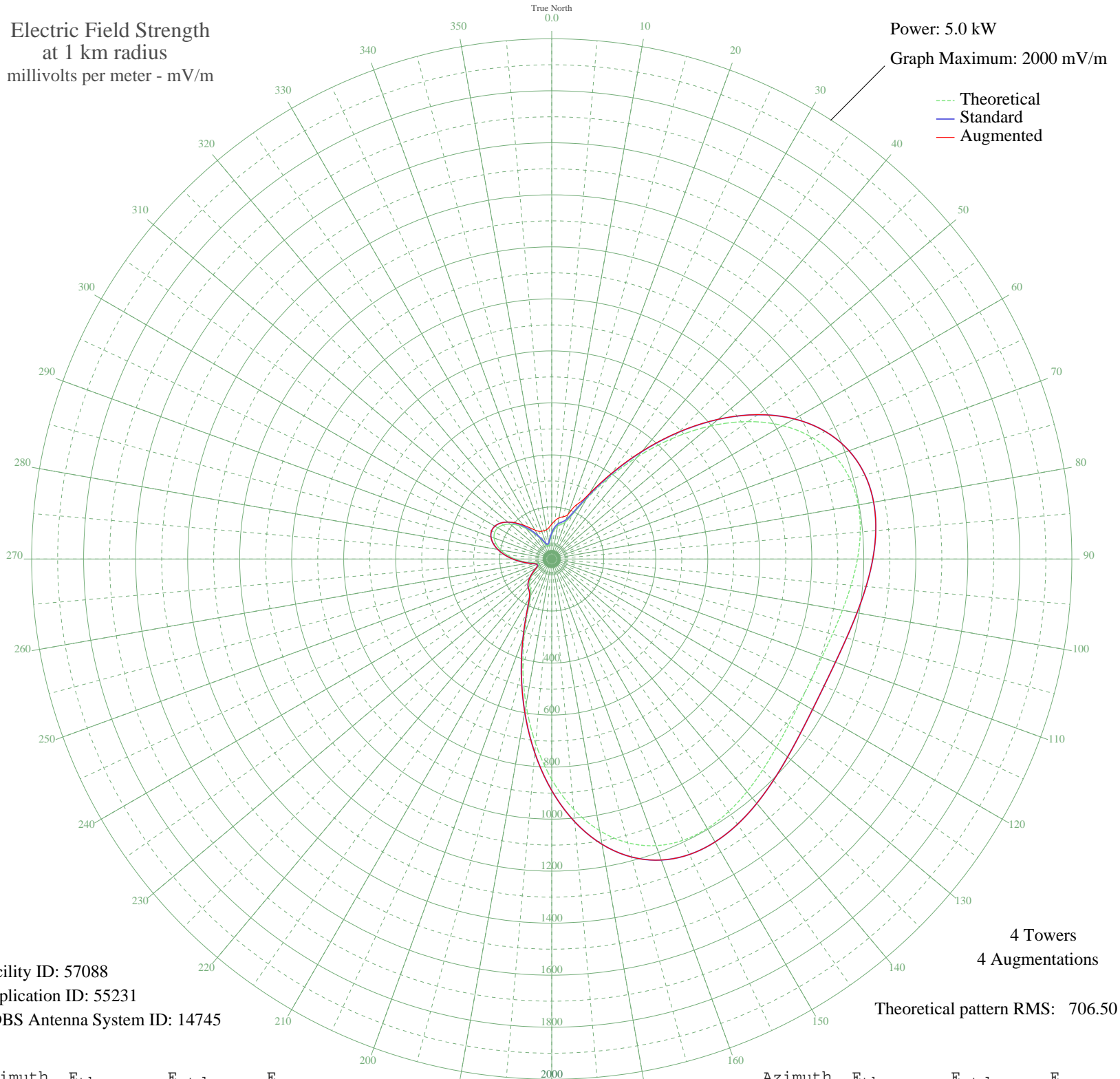


# WGAM MANCHESTER, NH BL-19830331AD 1250 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 57088  
Application ID: 55231  
CDBS Antenna System ID: 14745

4 Towers  
4 Augmentations

Theoretical pattern RMS: 706.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	92.83	100.26	133.92
5	113.11	121.07	148.48
10	128.32	136.77	160.39
15	137.76	146.54	168.15
20	150.95	160.23	182.22
25	188.90	199.73	232.52
30	265.94	280.22	291.35
35	377.74	397.32	404.02
40	511.88	537.99	541.70
45	655.04	688.19	690.02
50	794.81	834.88	835.61
55	920.81	967.14	967.31
60	1025.57	1077.11	1077.11
65	1104.99	1160.48	1160.48
70	1158.33	1216.47	1216.47
75	1187.61	1247.21	1247.21
80	1196.82	1256.88	1256.88
85	1191.04	1250.81	1250.81
90	1175.60	1234.60	1234.60
95	1155.49	1213.49	1213.49
100	1134.99	1191.97	1191.97
105	1117.47	1173.58	1173.58
110	1105.35	1160.86	1160.86
115	1100.12	1155.37	1155.37
120	1102.38	1157.74	1157.74
125	1111.87	1167.70	1167.70
130	1127.47	1184.07	1184.07
135	1147.12	1204.71	1204.71
140	1167.85	1226.47	1226.47
145	1185.73	1245.24	1245.24
150	1196.01	1256.03	1256.03
155	1193.43	1253.32	1253.32
160	1172.74	1231.60	1231.60
165	1129.40	1186.10	1186.10
170	1060.49	1113.77	1113.77
175	965.57	1014.12	1014.12

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	847.36	890.04	890.04
185	711.99	747.96	747.96
190	568.79	597.69	597.69
195	429.47	451.56	451.56
200	307.13	323.34	323.34
205	214.93	226.90	226.90
210	161.92	171.63	171.63
215	141.57	150.49	150.49
220	132.56	141.16	141.16
225	120.00	128.16	128.16
230	101.28	108.91	108.91
235	80.20	87.42	87.42
240	62.16	69.37	69.37
245	51.86	59.30	61.31
250	52.07	59.50	60.56
255	63.15	70.34	70.34
260	83.55	90.82	90.82
265	110.60	118.48	118.48
270	141.05	149.95	149.95
275	171.56	181.66	181.66
280	199.08	210.35	210.35
285	221.13	233.37	233.37
290	235.86	248.76	248.76
295	242.11	255.29	255.29
300	239.41	252.48	252.48
305	227.98	240.53	240.53
310	208.68	220.37	220.69
315	183.08	193.66	196.18
320	153.42	162.80	170.14
325	122.56	130.81	146.25
330	93.75	101.20	128.13
335	70.32	77.48	117.58
340	55.25	62.58	113.36
345	50.61	58.09	112.70
350	56.91	64.20	114.49
355	72.32	79.49	121.47