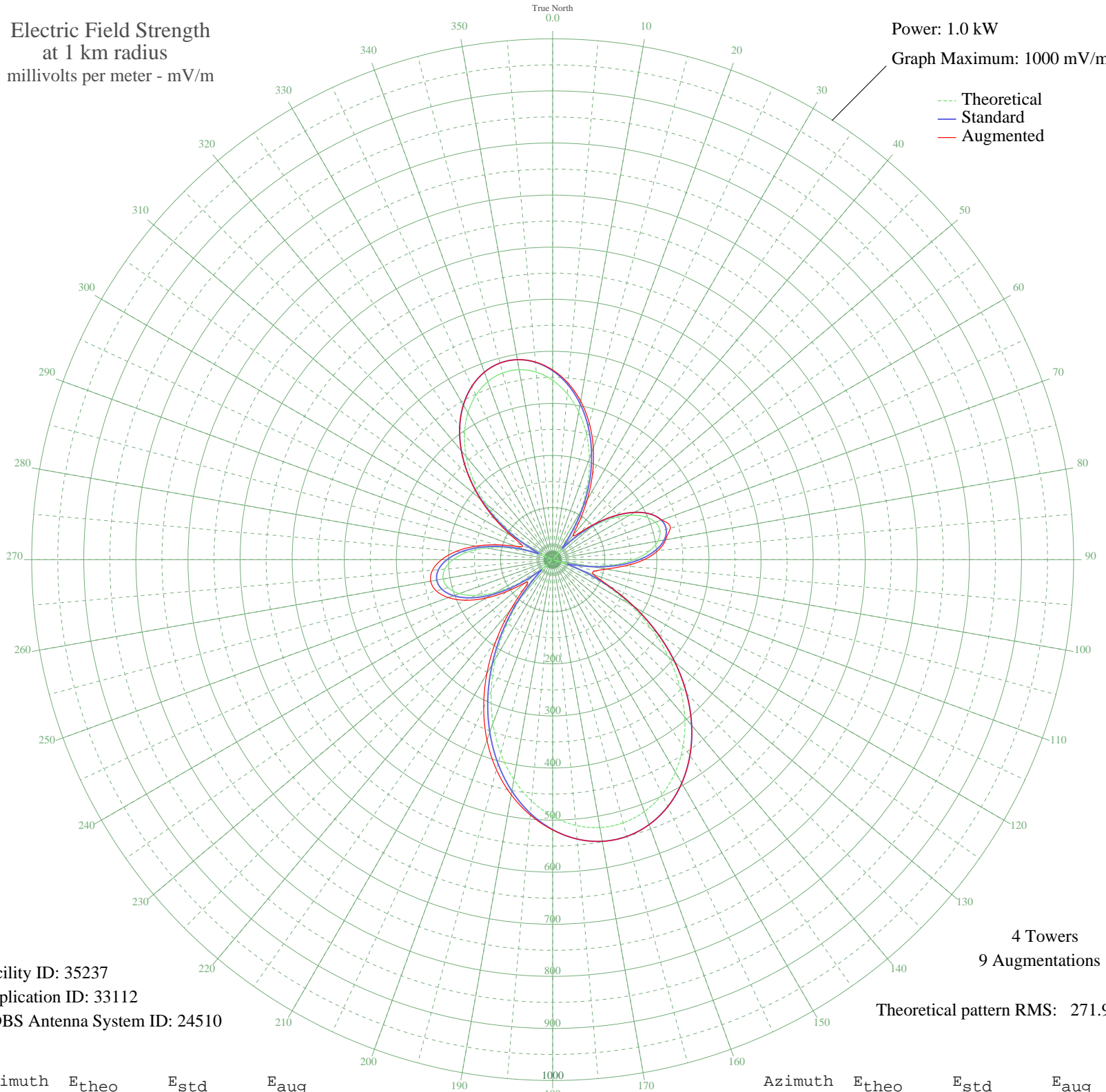


# WGIR MANCHESTER, NH BL-19810805AD 610 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 35237  
Application ID: 33112  
CDBS Antenna System ID: 24510

4 Towers  
9 Augmentations

Theoretical pattern RMS: 271.98

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	344.43	362.79	364.29
5	319.84	337.07	340.29
10	288.12	303.89	309.23
15	249.94	264.01	271.61
20	206.22	218.43	228.20
25	158.06	168.44	180.86
30	106.80	115.78	132.62
35	53.99	63.58	88.20
40	1.34	28.83	61.18
45	49.33	59.26	73.20
50	96.12	104.95	109.20
55	137.16	146.87	147.78
60	170.74	181.57	181.57
65	195.33	207.10	207.10
70	209.73	222.09	222.90
75	213.14	225.64	233.85
80	205.19	217.37	220.31
85	186.00	197.41	203.26
90	156.12	166.43	175.67
95	116.58	125.74	138.75
100	68.74	77.71	104.46
105	14.29	32.46	84.09
110	44.93	55.27	83.79
115	106.94	115.92	118.95
120	169.80	180.60	180.60
125	231.60	244.88	244.88
130	290.62	306.51	306.51
135	345.31	363.72	363.72
140	394.33	415.04	415.04
145	436.57	459.30	459.30
150	471.16	495.55	495.55
155	497.41	523.07	523.07
160	514.85	541.36	541.36
165	523.18	550.09	550.09
170	522.25	549.12	549.12
175	512.09	538.46	538.46

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	492.85	518.29	518.94
185	464.89	488.98	492.17
190	428.71	451.07	458.28
195	385.03	405.31	417.15
200	334.79	352.70	368.70
205	279.12	294.49	313.30
210	219.41	232.18	252.59
215	157.25	167.61	188.68
220	94.41	103.23	125.61
225	32.80	44.89	74.79
230	25.62	39.40	69.74
235	78.89	87.70	105.18
240	125.20	134.57	147.15
245	162.91	173.46	184.34
250	190.71	202.31	213.03
255	207.69	219.97	231.40
260	213.36	225.87	237.70
265	207.71	219.99	231.42
270	191.19	202.80	213.17
275	164.70	175.31	185.13
280	129.50	138.99	149.65
285	87.16	95.94	110.15
290	39.45	50.44	74.61
295	11.77	31.33	64.18
300	64.60	73.69	90.46
305	117.23	126.41	133.91
310	167.98	178.72	181.54
315	215.35	227.95	228.56
320	258.05	272.48	272.48
325	295.00	311.09	311.09
330	325.35	342.83	342.83
335	348.44	366.99	366.99
340	363.80	383.07	383.07
345	371.14	390.76	390.76
350	370.32	389.90	389.90
355	361.36	380.52	380.90