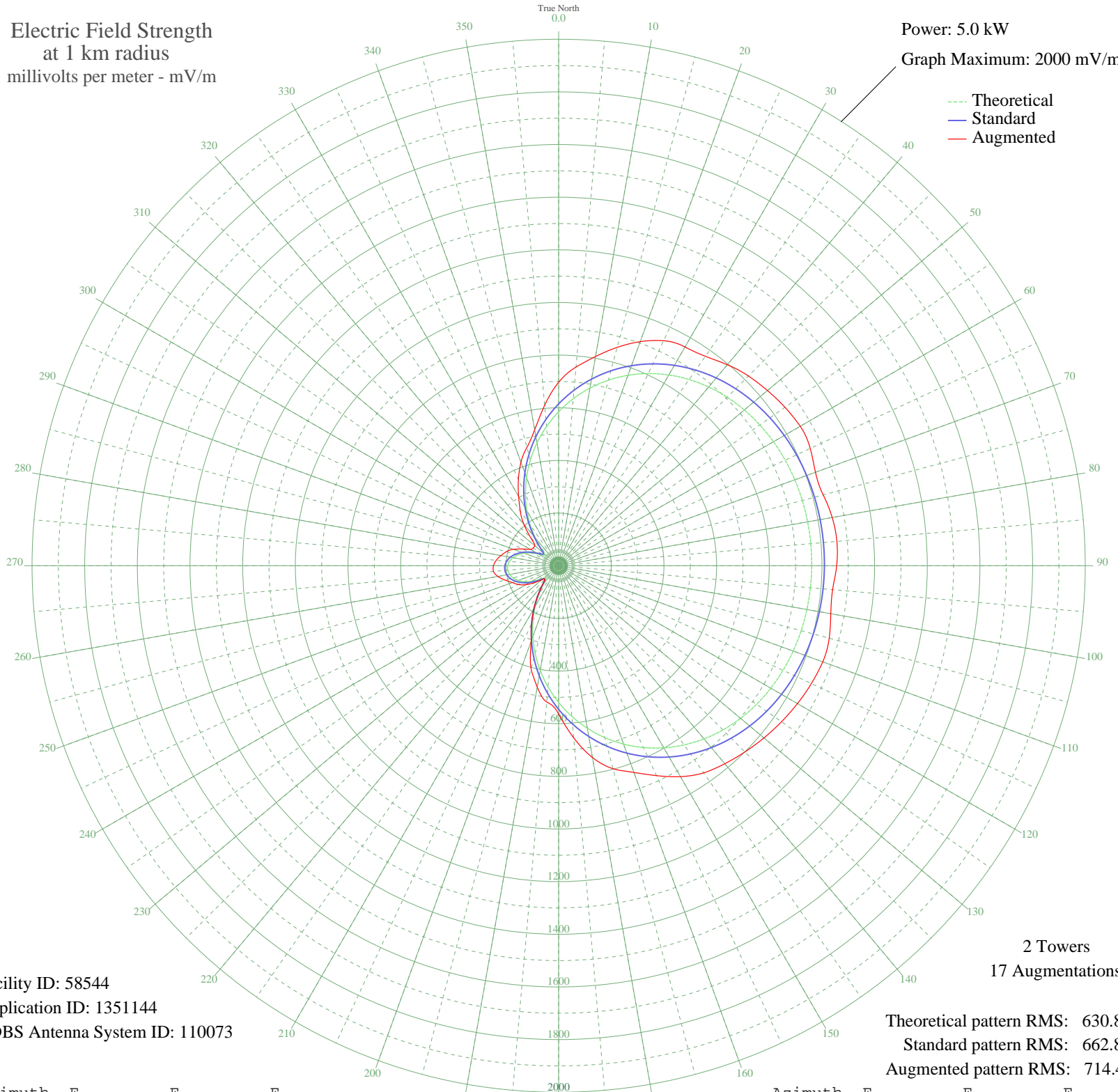


WGAN PORTLAND, ME BL-20091216AFR 560 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 58544
Application ID: 1351144
CDBS Antenna System ID: 110073

2 Towers
17 Augmentations

Theoretical pattern RMS: 630.86
Standard pattern RMS: 662.82
Augmented pattern RMS: 714.41

Azimuth	E _{theo}	E _{std}	E _{aug}
0	585.10	614.80	696.98
5	636.89	669.14	757.66
10	685.22	719.86	807.12
15	729.62	766.46	858.76
20	769.78	808.61	905.88
25	805.51	846.12	943.20
30	836.79	878.94	959.59
35	863.68	907.17	971.36
40	886.39	931.00	996.71
45	905.21	950.76	1019.26
50	920.49	966.80	1035.28
55	932.64	979.55	1049.24
60	942.06	989.45	1059.50
65	949.17	996.91	1054.34
70	954.35	1002.34	1037.93
75	957.90	1006.07	1040.08
80	960.09	1008.36	1054.98
85	961.08	1009.41	1060.78
90	960.97	1009.30	1055.87
95	959.75	1008.01	1044.36
100	957.30	1005.44	1049.51
105	953.45	1001.40	1063.81
110	947.92	995.59	1067.42
115	940.38	987.67	1059.11
120	930.44	977.24	1047.31
125	917.70	963.87	1033.25
130	901.74	947.12	1017.70
135	882.17	926.57	1000.32
140	858.64	901.88	981.75
145	830.89	872.75	960.67
150	798.73	838.99	925.11
155	762.10	800.55	879.84
160	721.07	757.49	835.66
165	675.85	710.03	798.38
170	626.79	658.55	739.89
175	574.37	603.55	656.43

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 _{theo}	E _{std}	E _{aug}
180	519.20	545.67	563.27
185	462.00	485.67	519.54
190	403.58	424.41	468.11
195	344.83	362.83	405.35
200	286.70	301.95	304.75
205	230.26	242.91	242.91
210	176.81	187.13	187.13
215	128.26	136.70	136.70
220	88.47	95.82	95.82
225	66.50	73.66	73.66
230	71.64	78.80	81.63
235	93.84	101.29	112.13
240	119.62	127.78	143.97
245	143.50	152.49	168.98
250	163.50	173.27	187.07
255	178.77	189.17	210.72
260	188.93	199.76	234.38
265	193.78	204.82	248.45
270	193.24	204.26	247.54
275	187.32	198.08	237.80
280	176.12	186.41	222.58
285	159.86	169.48	206.00
290	139.00	147.82	182.31
295	114.52	122.51	150.35
300	88.82	96.17	125.12
305	68.67	75.83	117.84
310	68.83	75.99	117.94
315	95.40	102.88	149.02
320	137.44	146.21	205.32
325	187.19	197.94	254.44
330	241.36	254.51	304.20
335	298.23	314.02	361.62
340	356.56	375.12	418.43
345	415.32	436.72	465.29
350	473.57	497.80	524.30
355	530.42	557.44	611.46