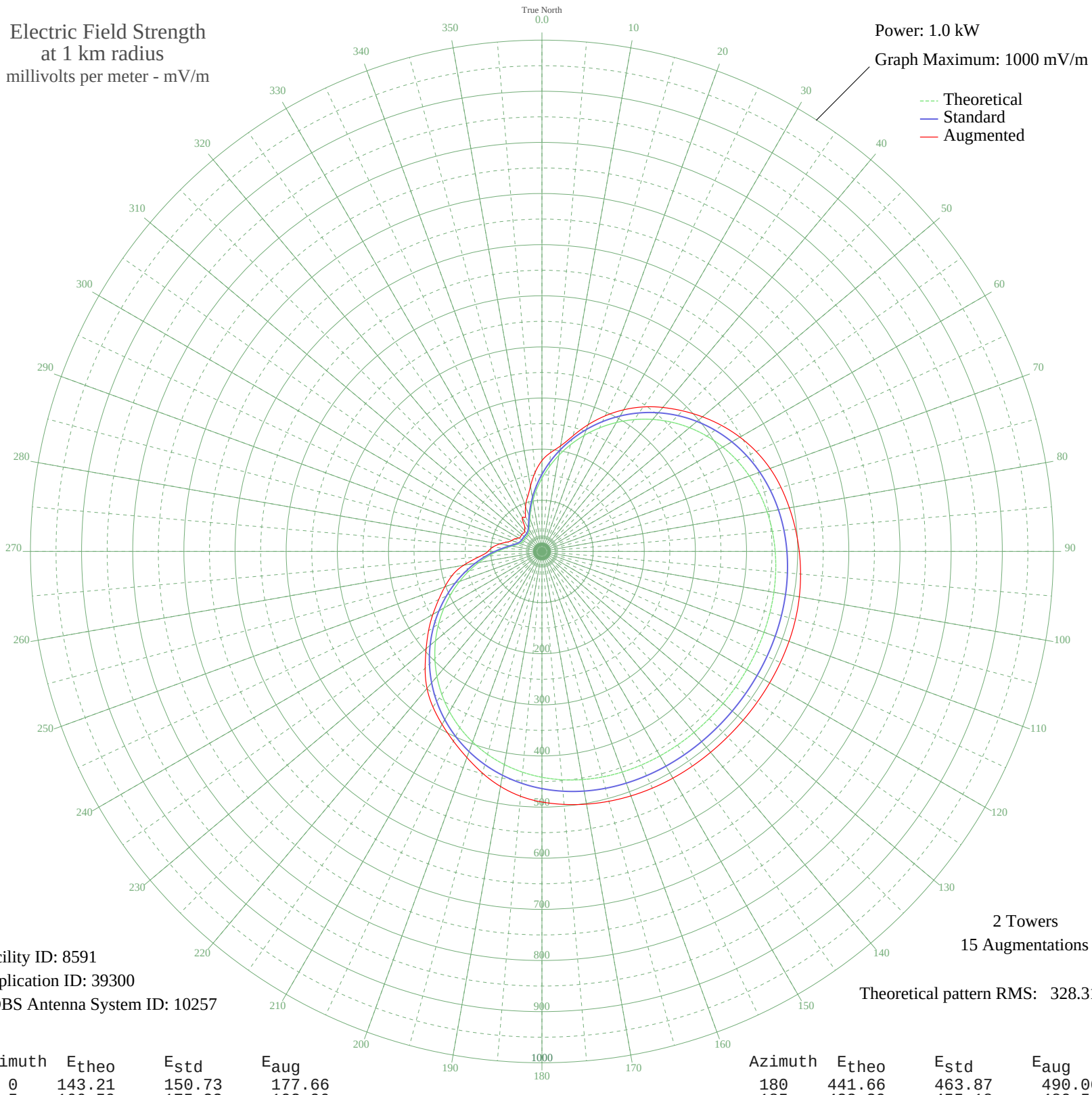
WFPB ORLEANS, MA BL-19820211AJ 1170 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
15 Augmentations

Facility ID: 8591
Application ID: 39300
CDBS Antenna System ID: 10257

Theoretical pattern RMS: 328.31

Azimuth	E_{theo}	E_{std}	E_{aug}
0	143.21	150.73	177.66
5	166.59	175.23	193.96
10	191.05	200.88	209.60
15	216.16	227.21	233.91
20	241.50	253.79	263.71
25	266.64	280.17	292.64
30	291.19	305.93	319.92
35	314.77	330.68	345.02
40	337.04	354.05	367.60
45	357.71	375.75	388.85
50	376.56	395.53	409.63
55	393.43	413.23	429.25
60	408.21	428.75	446.99
65	420.89	442.06	462.25
70	431.50	453.20	474.60
75	440.16	462.28	483.88
80	447.00	469.47	491.17
85	452.23	474.95	497.58
90	456.05	478.97	503.09
95	458.72	481.77	507.58
100	460.46	483.59	510.96
105	461.50	484.69	513.13
110	462.06	485.27	514.08
115	462.30	485.53	514.25
120	462.38	485.61	514.11
125	462.39	485.63	513.81
130	462.39	485.63	513.46
135	462.39	485.62	513.14
140	462.33	485.56	512.87
145	462.12	485.34	512.59
150	461.64	484.84	512.01
155	460.71	483.86	510.78
160	459.13	482.20	508.78
165	456.67	479.62	505.84
170	453.10	475.87	501.85
175	448.17	470.69	496.64
180	441.66	463.87	490.06
185	433.39	455.18	480.56
190	423.17	444.46	466.72
195	410.91	431.59	448.93
200	396.55	416.51	428.93
205	380.10	399.24	409.43
210	361.64	379.86	390.52
215	341.31	358.53	371.41
220	319.34	335.47	349.56
225	296.00	310.98	322.94
230	271.62	285.39	295.48
235	246.56	259.10	270.66
240	221.22	232.52	246.23
245	196.03	206.10	222.76
250	171.41	180.28	202.01
255	147.78	155.52	181.86
260	125.57	132.26	155.43
265	105.20	110.96	124.16
270	87.13	92.08	105.49
275	71.79	76.10	96.56
280	59.62	63.47	84.03
285	50.92	54.48	70.73
290	45.61	49.03	62.76
295	43.05	46.40	58.24
300	42.18	45.52	52.47
305	42.04	45.37	50.65
310	42.04	45.37	51.50
315	42.12	45.46	50.73
320	42.77	46.12	52.48
325	44.91	48.31	58.41
330	49.60	53.12	76.74
335	57.59	61.38	76.08
340	69.08	73.30	93.77
345	83.82	88.64	109.44
350	101.39	106.98	129.40
355	121.33	127.83	154.93

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.

15 Feb 2012

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