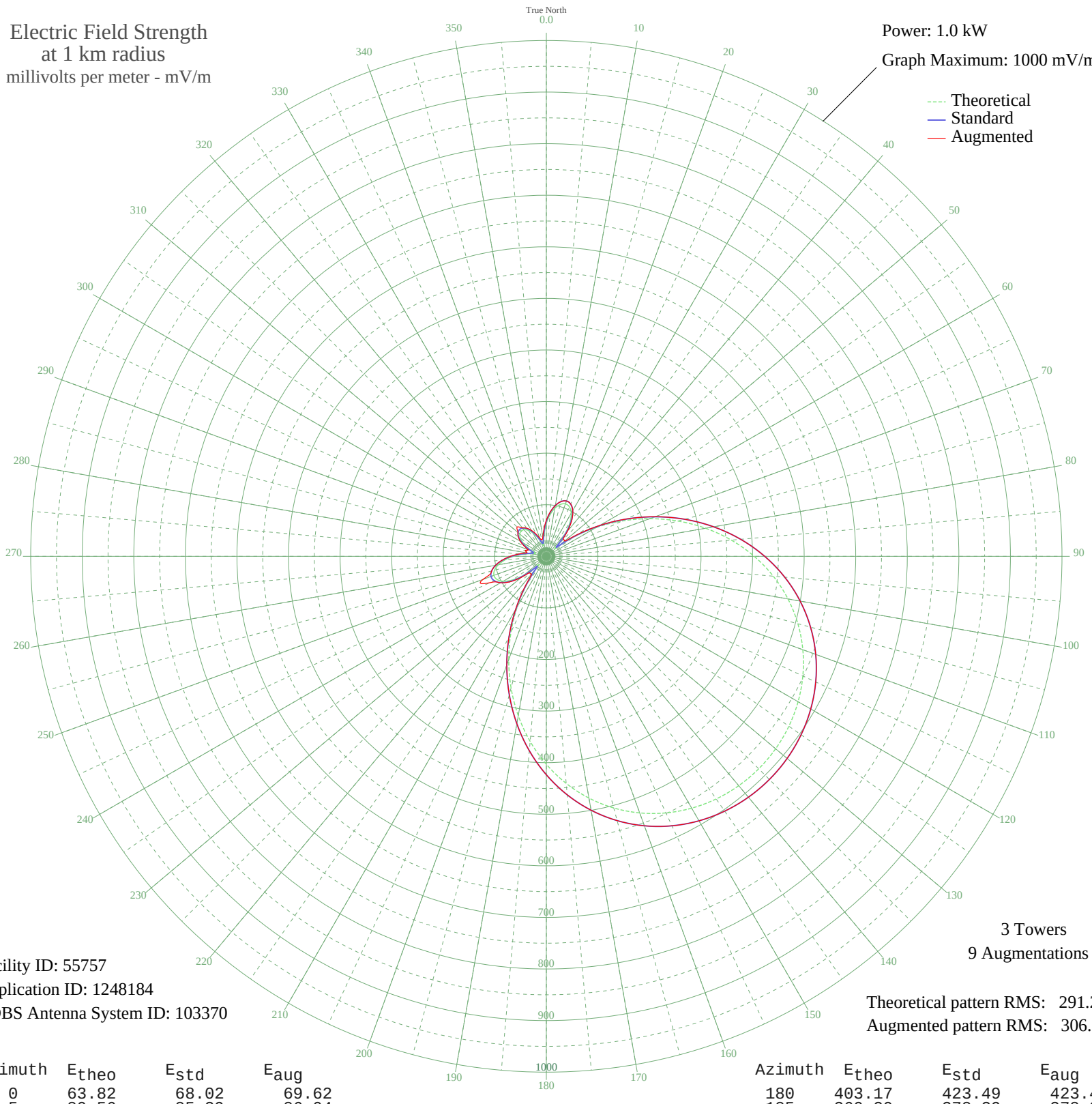
WHYN SPRINGFIELD, MA BML-20080521AEH 560 kHz

Nighttime



Facility ID: 55757
Application ID: 1248184
CDBS Antenna System ID: 103370

3 Towers
9 Augmentations

Theoretical pattern RMS: 291.29
Augmented pattern RMS: 306.51

Azimuth	E_{theo}	E_{std}	E_{aug}
0	63.82	68.02	69.62
5	80.56	85.39	86.04
10	94.43	99.84	99.99
15	104.02	109.85	109.85
20	108.14	114.15	114.15
25	105.83	111.73	111.82
30	96.43	101.92	102.58
35	79.73	84.52	86.35
40	56.23	60.18	64.08
45	29.33	32.93	46.47
50	28.39	32.02	45.83
55	65.95	70.22	73.59
60	112.28	118.47	119.78
65	162.08	170.58	170.98
70	213.27	224.24	224.28
75	264.23	277.69	277.69
80	313.59	329.47	329.47
85	360.20	378.39	378.39
90	403.17	423.49	423.49
95	441.86	464.10	464.10
100	475.89	499.82	499.82
105	505.05	530.43	530.43
110	529.35	555.94	555.94
115	548.86	576.42	576.42
120	563.77	592.07	592.07
125	574.25	603.07	603.07
130	580.46	609.60	609.60
135	582.52	611.76	611.76
140	580.46	609.60	609.60
145	574.25	603.07	603.07
150	563.77	592.07	592.07
155	548.86	576.42	576.42
160	529.35	555.94	555.94
165	505.05	530.43	530.43
170	475.89	499.82	499.82
175	441.86	464.10	464.10

Azimuth	E_{theo}	E_{std}	E_{aug}
180	403.17	423.49	423.49
185	360.20	378.39	378.39
190	313.59	329.47	329.47
195	264.23	277.69	277.69
200	213.27	224.24	224.27
205	162.08	170.58	170.91
210	112.28	118.47	119.54
215	65.95	70.22	72.98
220	28.39	32.02	44.63
225	29.33	32.93	45.29
230	56.23	60.18	63.38
235	79.73	84.52	86.02
240	96.43	101.92	102.46
245	105.83	111.73	120.97
250	108.14	114.15	130.65
255	104.02	109.85	109.85
260	94.43	99.84	99.99
265	80.56	85.39	86.04
270	63.82	68.02	69.62
275	45.90	49.59	52.83
280	29.56	33.16	38.88
285	21.52	25.43	42.56
290	28.13	31.76	37.69
295	40.56	44.16	47.77
300	52.36	56.20	58.13
305	61.51	65.63	66.47
310	67.24	71.56	71.77
315	69.19	73.58	80.34
320	67.24	71.56	71.77
325	61.51	65.63	66.47
330	52.36	56.20	58.13
335	40.56	44.16	47.77
340	28.13	31.76	37.69
345	21.52	25.43	32.99
350	29.56	33.16	38.88
355	45.90	49.59	52.83

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