

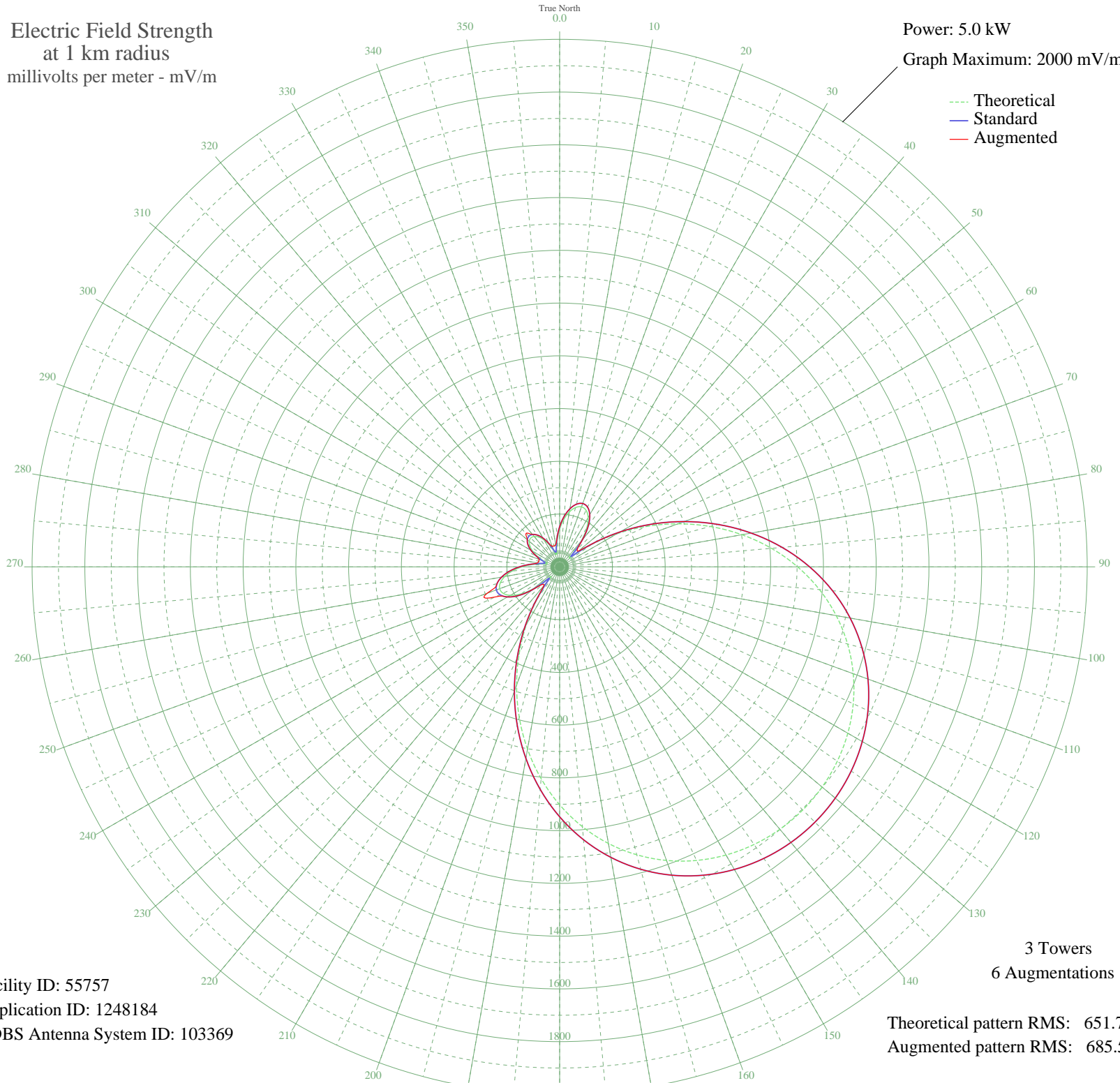
# WHYN SPRINGFIELD, MA BML-20080521AEH 560 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 55757  
Application ID: 1248184  
CDBS Antenna System ID: 103369

Theoretical pattern RMS: 651.78  
Augmented pattern RMS: 685.53

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	142.79	152.19	152.19
5	180.26	191.07	191.07
10	211.30	223.40	223.40
15	232.76	245.79	245.79
20	241.98	255.41	255.41
25	236.79	250.00	250.00
30	215.76	228.05	228.05
35	178.40	189.13	189.13
40	125.81	134.66	134.66
45	65.62	73.69	95.20
50	63.53	71.64	93.62
55	147.56	157.12	157.12
60	251.23	265.08	265.08
65	362.66	381.69	381.69
70	477.20	501.74	501.74
75	591.23	621.34	621.34
80	701.67	737.22	737.22
85	805.97	846.67	846.67
90	902.12	947.58	947.58
95	988.70	1038.46	1038.46
100	1064.83	1118.37	1118.37
105	1130.09	1186.88	1186.88
110	1184.44	1243.94	1243.94
115	1228.11	1289.78	1289.78
120	1261.47	1324.80	1324.80
125	1284.92	1349.42	1349.42
130	1298.82	1364.01	1364.01
135	1303.43	1368.85	1368.85
140	1298.82	1364.01	1364.01
145	1284.92	1349.42	1349.42
150	1261.47	1324.80	1324.80
155	1228.11	1289.78	1289.78
160	1184.44	1243.94	1243.94
165	1130.09	1186.88	1186.88
170	1064.83	1118.37	1118.37
175	988.70	1038.46	1038.46

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	902.12	947.58	947.58
185	805.97	846.67	846.67
190	701.67	737.22	737.22
195	591.23	621.34	621.34
200	477.20	501.74	501.74
205	362.67	381.69	381.69
210	251.23	265.08	265.08
215	147.56	157.13	157.13
220	63.53	71.64	93.62
225	65.62	73.69	95.20
230	125.81	134.66	134.66
235	178.39	189.13	189.13
240	215.76	228.05	228.05
245	236.79	250.00	270.47
250	241.98	255.41	292.26
255	232.76	245.79	245.79
260	211.30	223.40	223.40
265	180.26	191.07	191.07
270	142.79	152.19	152.19
275	102.71	110.97	110.97
280	66.15	74.20	85.49
285	48.15	56.91	82.72
290	62.95	71.07	82.78
295	90.77	98.82	98.82
300	117.15	125.75	125.75
305	137.63	146.86	146.86
310	150.46	160.12	160.12
315	154.81	164.64	179.84
320	150.46	160.12	160.12
325	137.63	146.86	146.86
330	117.15	125.75	125.75
335	90.77	98.82	98.82
340	62.95	71.07	82.78
345	48.15	56.91	82.72
350	66.15	74.20	85.49
355	102.71	110.97	110.97