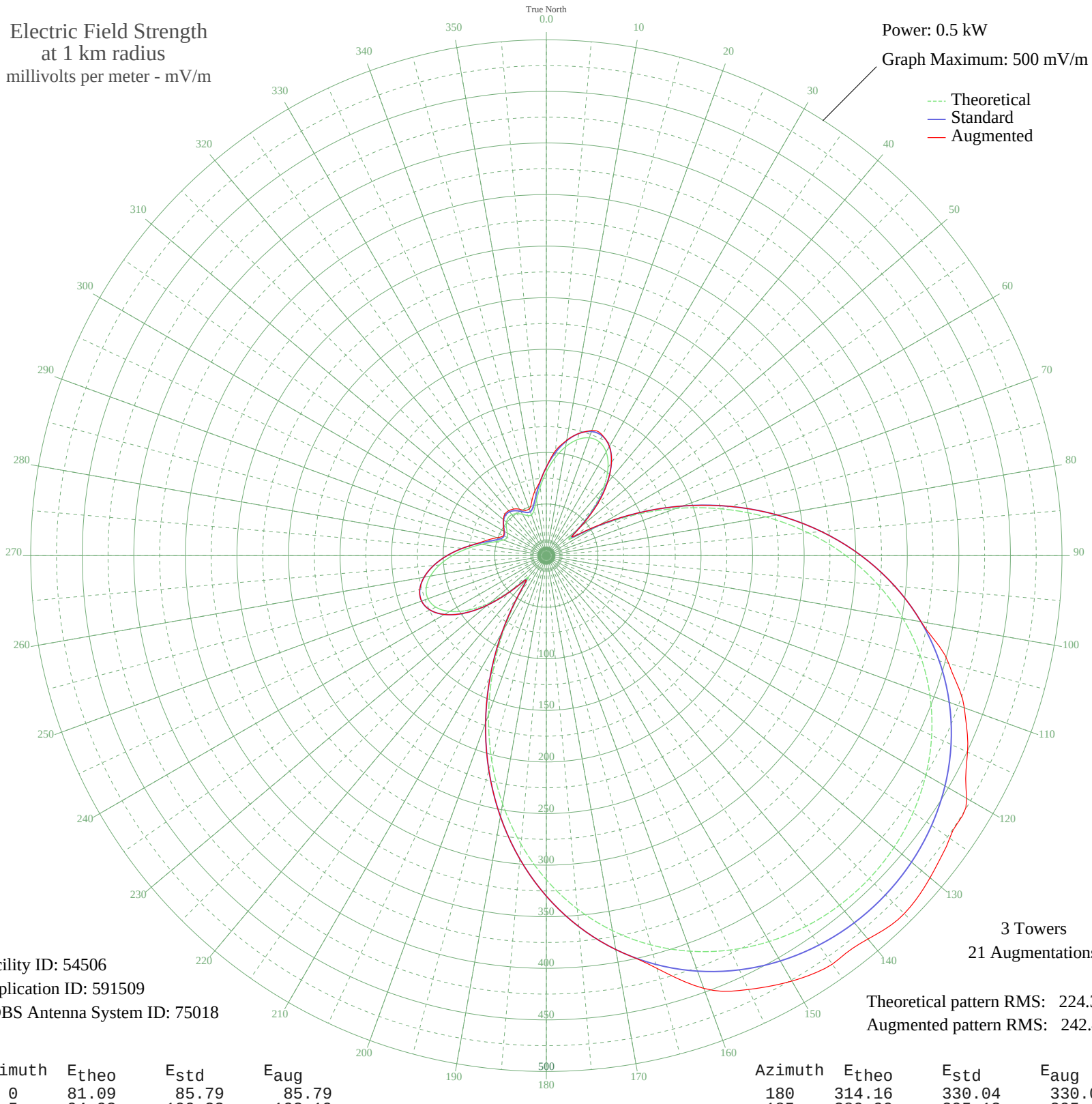
WLXE ROCKVILLE, MD BML-20011221ABO 1600 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
21 Augmentations

Facility ID: 54506
Application ID: 591509
CDBS Antenna System ID: 75018

Theoretical pattern RMS: 224.34
Augmented pattern RMS: 242.40

Azimuth	E_{theo}	E_{std}	E_{aug}
0	81.09	85.79	85.79
5	94.93	100.23	102.19
10	107.14	112.98	113.46
15	116.39	122.66	122.66
20	121.54	128.05	129.10
25	121.65	128.16	128.72
30	116.02	122.27	122.27
35	104.27	109.99	109.99
40	86.49	91.42	92.15
45	63.43	67.42	69.57
50	38.14	41.40	42.59
55	28.07	31.29	32.47
60	54.14	57.81	59.74
65	92.34	97.53	97.60
70	133.60	140.67	140.67
75	175.37	184.43	184.43
80	216.15	227.20	227.20
85	254.83	267.78	267.78
90	290.58	305.29	305.29
95	322.81	339.11	339.11
100	351.17	368.88	368.88
105	375.51	394.43	403.95
110	395.84	415.77	431.30
115	412.27	433.01	450.62
120	424.98	446.36	470.61
125	434.19	456.02	477.46
130	440.07	462.19	485.71
135	442.75	465.01	490.79
140	442.32	464.55	485.12
145	438.75	460.80	483.43
150	431.95	453.67	476.18
155	421.79	443.00	463.98
160	408.05	428.58	446.36
165	390.55	410.21	414.14
170	369.11	387.70	387.70
175	343.63	360.97	360.97

Azimuth	E_{theo}	E_{std}	E_{aug}
180	314.16	330.04	330.04
185	280.90	295.13	295.13
190	244.26	256.69	256.69
195	204.90	215.40	215.40
200	163.72	172.22	172.22
205	121.92	128.44	128.44
210	81.17	85.88	85.88
215	44.77	48.17	48.21
220	26.96	30.19	30.62
225	45.00	48.40	48.41
230	70.32	74.58	74.58
235	92.05	97.22	97.22
240	108.18	114.08	114.08
245	118.20	124.55	124.55
250	122.17	128.71	128.71
255	120.57	127.03	127.03
260	114.16	120.33	120.33
265	103.96	109.66	109.66
270	91.16	96.30	96.30
275	77.12	81.66	81.66
280	63.39	67.38	68.08
285	51.78	55.37	58.79
290	44.23	47.61	50.73
295	41.86	45.19	45.88
300	43.67	47.04	47.39
305	47.23	50.69	50.70
310	50.46	54.02	54.33
315	52.17	55.78	56.89
320	51.89	55.48	56.82
325	49.68	53.21	55.14
330	46.20	49.63	51.93
335	42.88	46.23	48.31
340	42.02	45.35	48.28
345	45.84	49.26	54.50
350	54.70	58.39	63.67
355	67.11	71.24	71.87

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

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Federal Communications Commission