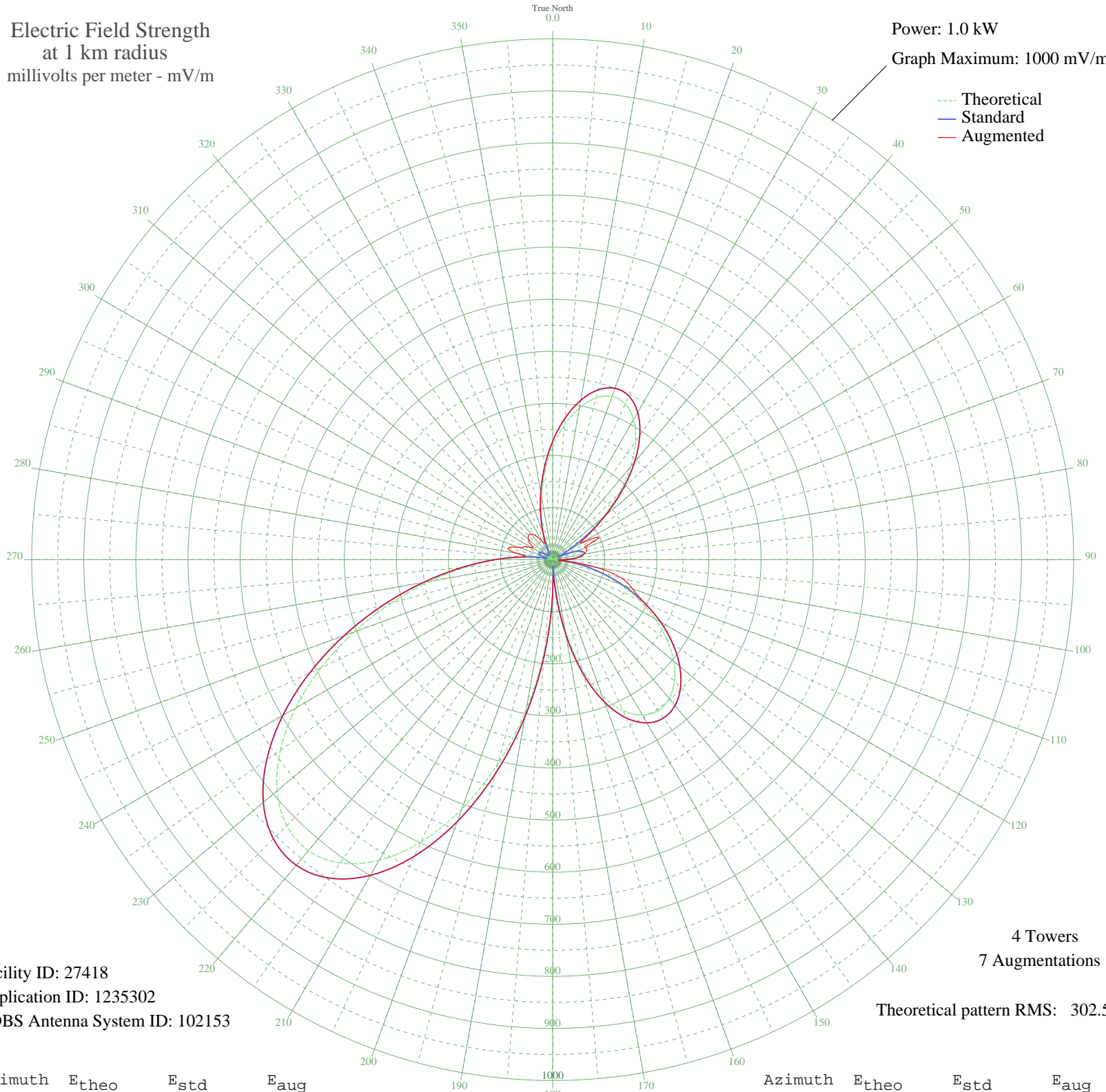


# WVLK LEXINGTON, KY BML-20080206AGV 590 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 27418  
Application ID: 1235302  
CDBS Antenna System ID: 102153

4 Towers  
7 Augmentations  
Theoretical pattern RMS: 302.56

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	216.07	227.13	227.13
5	259.41	272.58	272.58
10	295.72	310.69	310.69
15	321.31	337.54	337.54
20	333.23	350.05	350.05
25	329.80	346.45	346.45
30	310.78	326.50	326.50
35	277.52	291.59	291.59
40	232.77	244.64	244.64
45	180.41	189.73	189.73
50	124.95	131.63	132.77
55	71.05	75.36	84.77
60	22.99	26.38	63.74
65	15.72	19.64	95.88
70	42.62	46.01	66.66
75	56.44	60.21	67.70
80	57.01	60.80	61.26
85	45.10	48.54	48.54
90	22.24	25.66	25.66
95	9.62	14.68	14.68
100	48.27	51.79	83.85
105	91.49	96.65	136.70
110	137.10	144.35	163.04
115	183.04	192.49	193.03
120	227.33	238.93	238.93
125	268.00	281.60	281.60
130	303.07	318.40	318.40
135	330.43	347.12	347.12
140	347.92	365.47	365.47
145	353.29	371.10	371.10
150	344.40	361.78	361.78
155	319.41	335.55	335.55
160	276.98	291.03	291.03
165	216.60	227.68	227.68
170	138.81	146.14	146.14
175	45.37	48.82	61.32

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 Mar 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	60.60	64.51	64.51
185	174.75	183.79	183.79
190	291.68	306.45	306.45
195	405.32	425.72	425.72
200	509.44	535.02	535.02
205	598.15	628.15	628.15
210	666.47	699.88	699.88
215	710.82	746.44	746.44
220	729.30	765.84	765.84
225	721.88	758.05	758.05
230	690.34	724.93	724.93
235	638.04	670.03	670.03
240	569.55	598.12	598.12
245	490.14	514.76	514.76
250	405.32	425.72	425.72
255	320.32	336.51	336.51
260	239.73	251.94	251.94
265	167.20	175.89	175.89
270	105.32	111.10	111.10
275	55.55	59.29	59.29
280	18.34	22.01	70.78
285	6.77	12.80	87.94
290	20.98	24.47	68.89
295	26.06	29.36	59.58
300	24.19	27.54	44.33
305	17.80	21.51	51.47
310	9.49	14.59	60.78
315	1.87	10.83	65.62
320	2.54	10.98	64.22
325	1.51	10.77	55.87
330	6.80	12.82	42.30
335	23.61	26.98	34.40
340	49.34	52.89	52.89
345	83.47	88.29	88.29
350	124.46	131.12	131.12
355	169.79	178.60	178.60