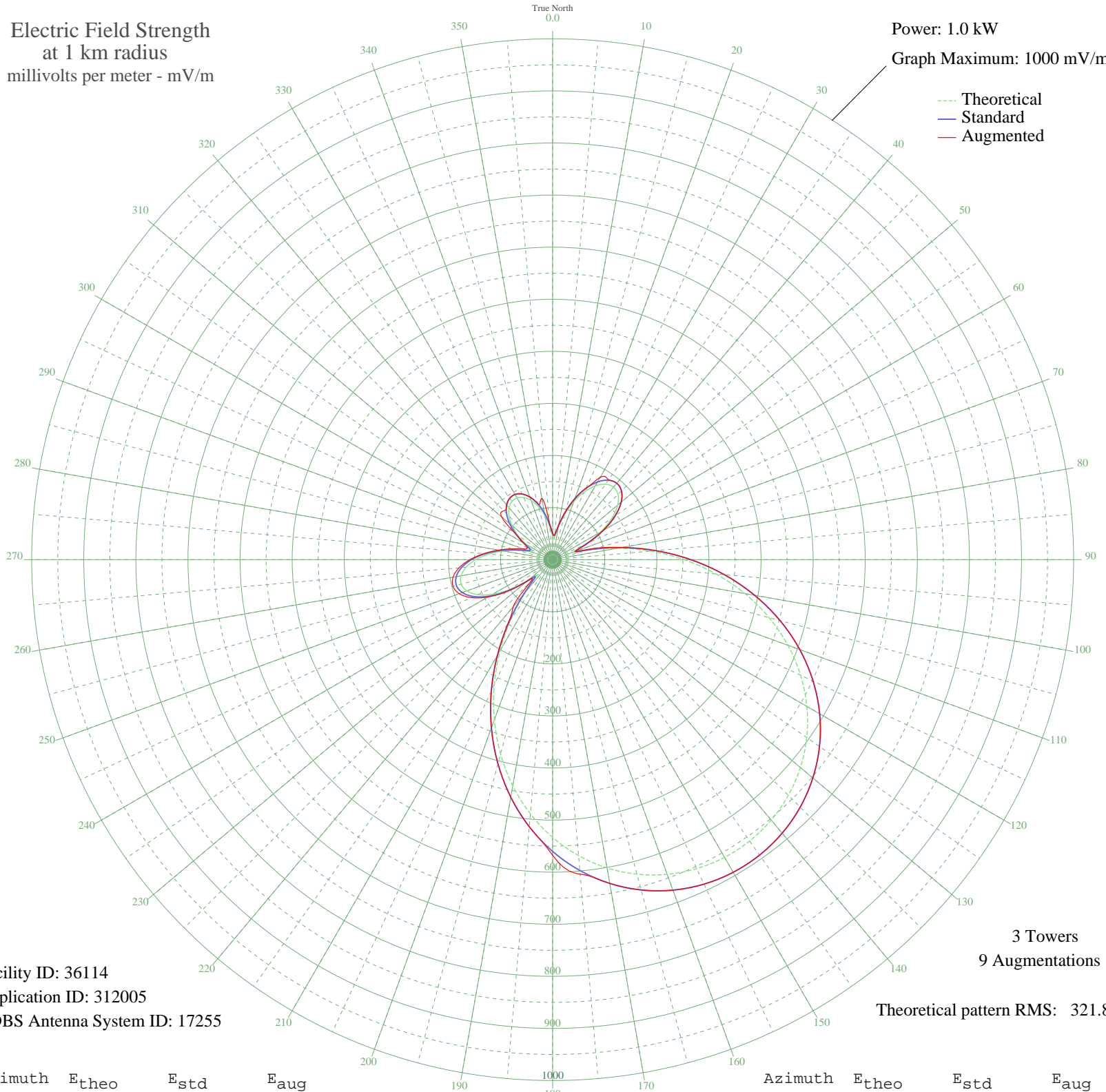


# WLXG LEXINGTON, KY BL-- 1300 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 36114  
Application ID: 312005  
CDBS Antenna System ID: 17255

3 Towers  
9 Augmentations

Theoretical pattern RMS: 321.87

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	45.44	49.97	49.97
5	43.75	48.28	48.28
10	62.76	67.55	67.55
15	89.98	95.64	95.64
20	117.96	124.75	124.75
25	143.23	151.12	151.12
30	163.44	172.26	182.42
35	176.77	186.21	187.22
40	181.74	191.40	191.40
45	177.29	186.75	186.75
50	162.90	171.69	171.69
55	138.65	146.34	146.34
60	105.59	111.86	111.86
65	67.17	72.08	72.08
70	41.52	46.07	46.07
75	70.78	75.79	84.63
80	126.60	133.76	134.32
85	188.71	198.70	198.70
90	252.28	265.31	265.31
95	314.83	330.91	330.91
100	374.58	393.59	393.59
105	430.16	451.91	451.91
110	480.57	504.81	504.81
115	525.12	551.58	551.58
120	563.43	591.79	591.79
125	595.31	625.26	625.26
130	620.75	651.96	651.96
135	639.82	671.98	671.98
140	652.64	685.44	685.44
145	659.32	692.45	692.45
150	659.93	693.09	693.09
155	654.47	687.35	687.35
160	642.88	675.19	675.19
165	625.07	656.49	656.49
170	600.92	631.14	631.14
175	570.33	599.03	606.11

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	533.29	560.16	567.72
185	489.96	514.68	514.68
190	440.68	462.95	462.95
195	386.07	405.65	405.65
200	327.06	343.73	343.73
205	264.94	278.58	278.58
210	201.40	211.99	211.99
215	138.74	146.44	149.19
220	80.96	86.30	117.80
225	42.80	47.34	59.31
230	59.75	64.47	64.47
235	98.13	104.10	105.29
240	132.69	140.11	143.27
245	158.82	167.42	172.42
250	175.21	184.57	190.83
255	181.62	191.29	197.95
260	178.47	187.99	194.13
265	166.71	175.68	180.45
270	147.74	155.84	158.80
275	123.32	130.33	132.72
280	95.65	101.53	105.72
285	67.88	72.81	80.32
290	46.26	50.80	60.03
295	43.26	47.80	53.51
300	59.49	64.22	65.26
305	81.20	86.55	87.96
310	101.60	107.71	127.79
315	118.24	125.04	132.55
320	130.00	137.31	137.31
325	136.30	143.89	143.89
330	136.88	144.49	144.49
335	131.71	139.09	139.09
340	121.00	127.92	127.92
345	105.28	111.54	111.54
350	85.50	91.00	119.70
355	63.72	68.54	69.64

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission