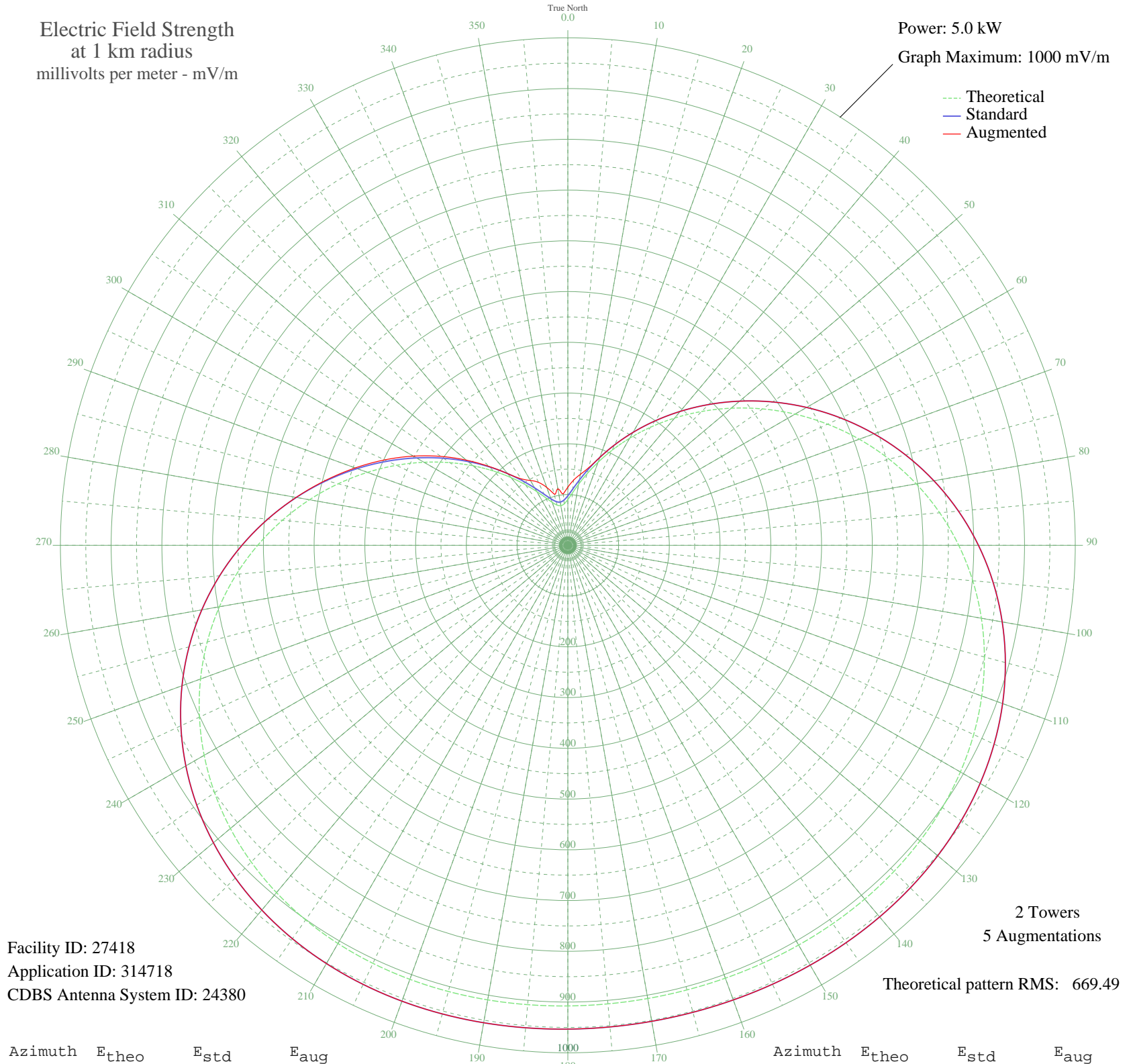


# WVLK LEXINGTON, KY BL-- 590 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 27418  
Application ID: 314718  
CDBS Antenna System ID: 24380

2 Towers  
5 Augmentations

Theoretical pattern RMS: 669.49

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	90.15	97.52	114.54
5	103.57	111.25	128.75
10	122.18	130.42	141.98
15	145.78	154.86	158.21
20	174.13	184.34	184.34
25	206.90	218.51	218.51
30	243.68	256.94	256.94
35	284.00	299.12	299.12
40	327.30	344.47	344.47
45	372.97	392.32	392.32
50	420.30	441.94	441.94
55	468.56	492.55	492.55
60	516.99	543.35	543.35
65	564.81	593.51	593.51
70	611.26	642.25	642.25
75	655.63	688.81	688.81
80	697.28	732.52	732.52
85	735.67	772.81	772.81
90	770.35	809.21	809.21
95	801.04	841.42	841.42
100	827.56	869.25	869.25
105	849.88	892.68	892.68
110	868.11	911.81	911.81
115	882.46	926.89	926.89
120	893.28	938.24	938.24
125	900.97	946.31	946.31
130	906.00	951.59	951.59
135	908.87	954.60	954.60
140	910.09	955.88	955.88
145	910.15	955.94	955.94
150	909.51	955.27	955.27
155	908.57	954.29	954.29
160	907.65	953.32	953.32
165	907.00	952.64	952.64
170	906.77	952.40	952.40
175	907.00	952.64	952.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	907.65	953.32	953.32
185	908.57	954.29	954.29
190	909.51	955.27	955.27
195	910.15	955.94	955.94
200	910.09	955.88	955.88
205	908.87	954.60	954.60
210	906.00	951.59	951.59
215	900.97	946.31	946.31
220	893.28	938.24	938.24
225	882.47	926.89	926.89
230	868.11	911.81	911.81
235	849.88	892.68	892.68
240	827.56	869.25	869.25
245	801.04	841.42	841.42
250	770.35	809.21	809.21
255	735.67	772.81	772.81
260	697.28	732.52	732.52
265	655.63	688.81	688.81
270	611.26	642.25	642.25
275	564.81	593.51	593.51
280	516.99	543.35	543.71
285	468.56	492.55	494.37
290	420.30	441.94	445.91
295	372.97	392.32	398.34
300	327.30	344.47	351.49
305	284.00	299.12	305.48
310	243.68	256.94	261.07
315	206.90	218.51	219.90
320	174.13	184.34	184.34
325	145.78	154.86	159.89
330	122.18	130.42	147.51
335	103.57	111.25	136.79
340	90.15	97.52	121.33
345	82.04	89.29	104.55
350	79.33	86.54	113.04
355	82.04	89.29	101.97

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.

13 Jul 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission