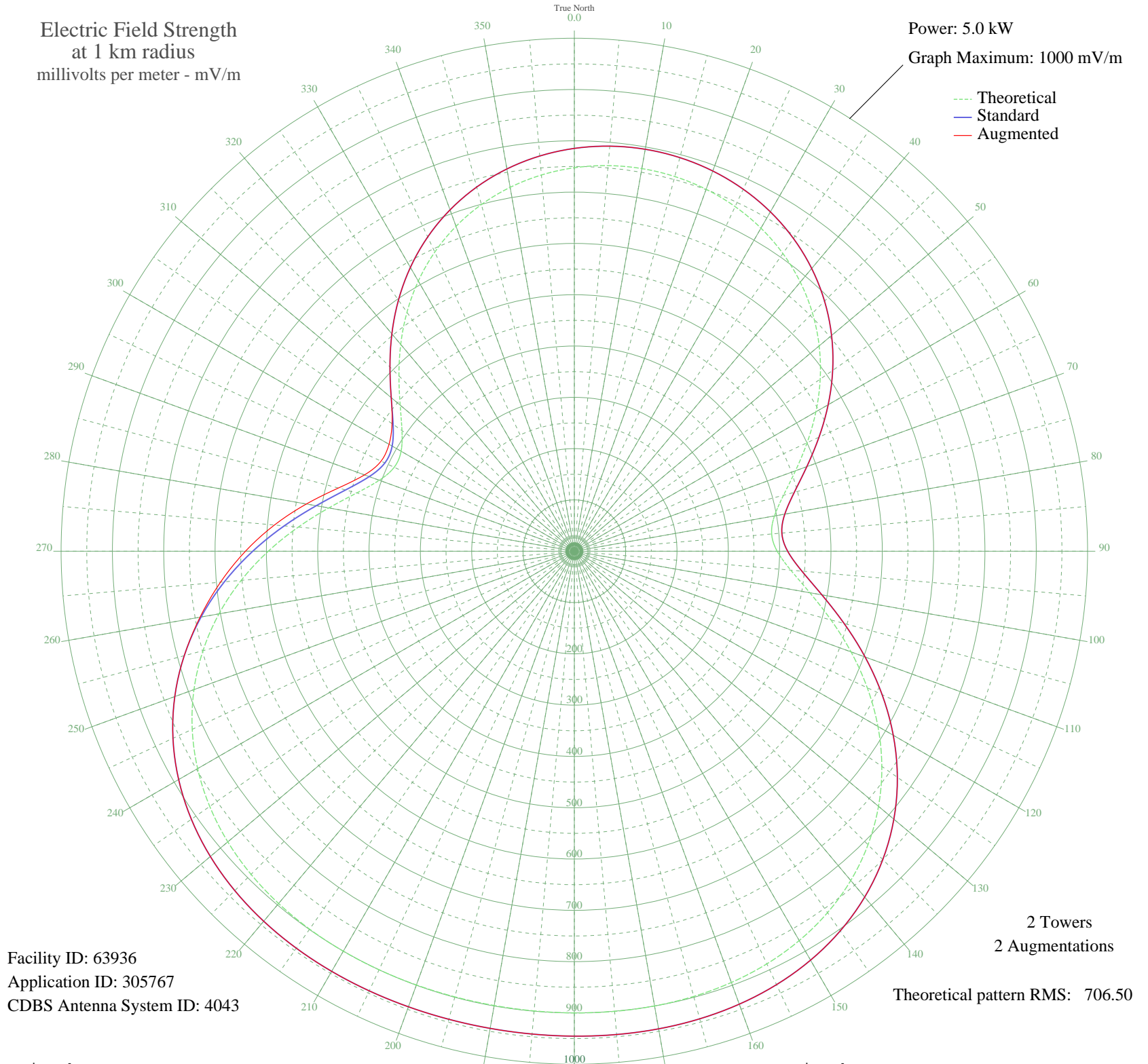


WGTK LOUISVILLE, KY BL-- 970 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 63936
Application ID: 305767
CDBS Antenna System ID: 4043

2 Towers
2 Augmentations
Theoretical pattern RMS: 706.50

Azimuth	Etheo	Estd	Eaug
0	747.52	785.25	785.25
5	754.55	792.62	792.62
10	757.41	795.63	795.63
15	756.18	794.34	794.34
20	750.84	788.73	788.73
25	741.25	778.66	778.66
30	727.21	763.93	763.93
35	708.48	744.27	744.27
40	684.85	719.48	719.48
45	656.23	689.44	689.44
50	622.72	654.28	654.28
55	584.79	614.47	614.47
60	543.43	571.08	571.08
65	500.41	525.95	525.95
70	458.54	482.04	482.04
75	421.94	443.66	443.66
80	395.92	416.38	416.38
85	385.89	405.87	405.87
90	395.21	415.64	415.64
95	423.26	445.04	445.04
100	465.93	489.79	489.79
105	517.77	544.16	544.16
110	573.72	602.87	602.87
115	629.79	661.69	661.69
120	683.01	717.55	717.55
125	731.38	768.31	768.31
130	773.65	812.67	812.67
135	809.18	849.97	849.97
140	837.89	880.10	880.10
145	860.08	903.39	903.39
150	876.36	920.47	920.47
155	887.54	932.22	932.22
160	894.59	939.61	939.61
165	898.46	943.67	943.67
170	900.10	945.40	945.40
175	900.38	945.69	945.69

Azimuth	Etheo	Estd	Eaug
180	899.99	945.28	945.28
185	899.49	944.75	944.75
190	899.22	944.48	944.48
195	899.34	944.60	944.60
200	899.78	945.06	945.06
205	900.27	945.57	945.57
210	900.34	945.64	945.64
215	899.33	944.59	944.59
220	896.46	941.58	941.58
225	890.80	935.64	935.64
230	881.39	925.76	925.76
235	867.26	910.92	910.92
240	847.52	890.21	890.21
245	821.48	862.87	862.87
250	788.68	828.45	828.45
255	749.07	786.87	786.87
260	703.03	738.55	740.56
265	651.55	684.53	691.99
270	596.32	626.58	640.80
275	539.90	567.39	586.52
280	485.86	510.70	530.18
285	438.87	461.41	475.99
290	404.36	425.22	435.06
295	387.24	407.28	415.46
300	389.73	409.89	416.88
305	409.95	431.08	433.55
310	442.99	465.74	465.74
315	483.32	508.03	508.03
320	526.29	553.10	553.10
325	568.57	597.46	597.46
330	608.04	638.87	638.87
335	643.40	675.97	675.97
340	674.00	708.09	708.09
345	699.62	734.98	734.98
350	720.29	756.67	756.67
355	736.18	773.34	773.34

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