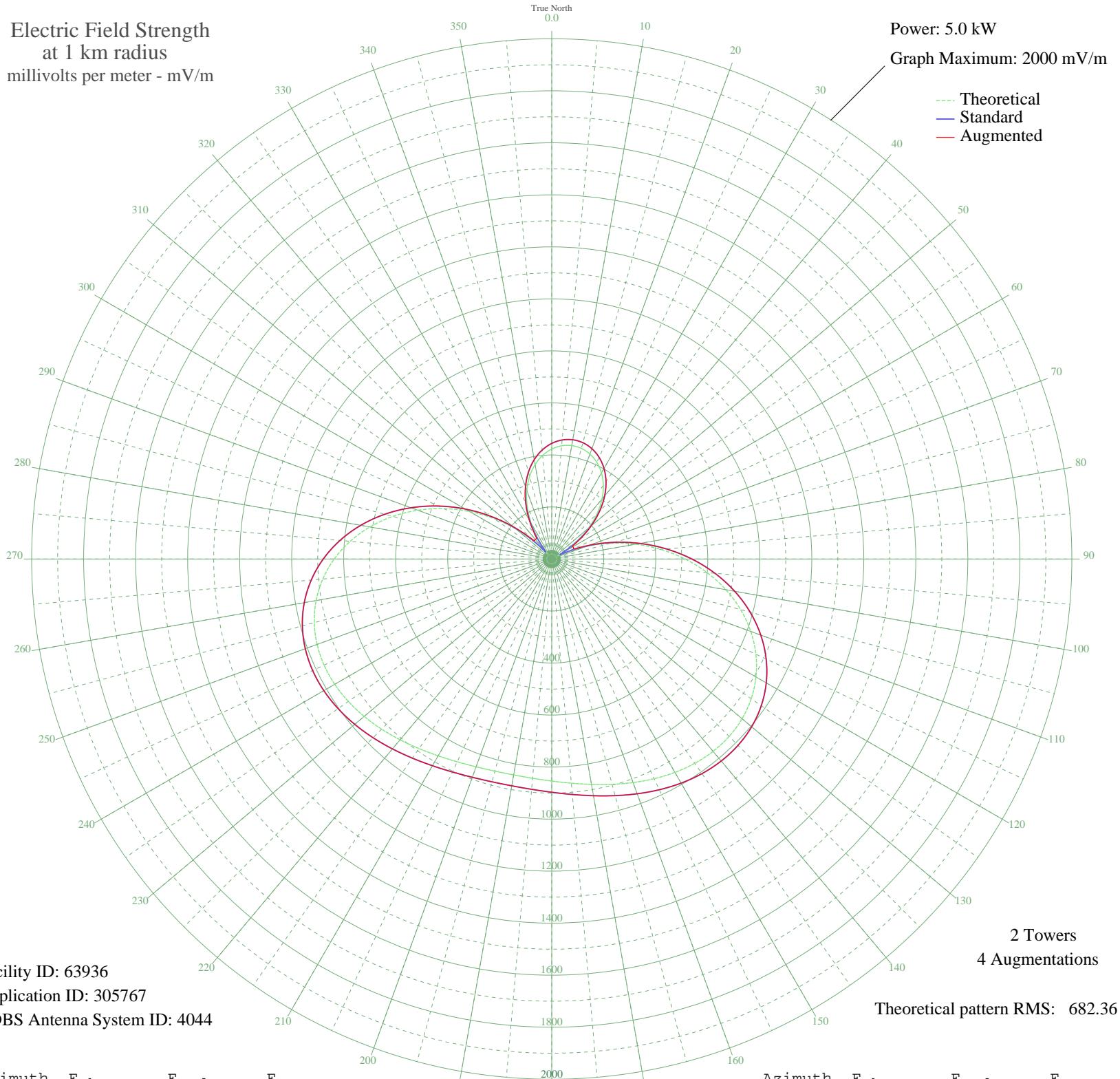


WGTK LOUISVILLE, KY BL-- 970 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 63936
Application ID: 305767
CDBS Antenna System ID: 4044

Theoretical pattern RMS: 682.36

Azimuth	E _{theo}	E _{std}	E _{aug}
0	422.59	444.34	444.34
5	436.83	459.27	459.27
10	442.67	465.40	465.40
15	440.17	462.77	462.77
20	429.30	451.37	451.37
25	409.98	431.12	431.12
30	382.13	401.93	401.93
35	345.64	363.69	363.69
40	300.48	316.38	316.40
45	246.73	260.13	261.07
50	184.70	195.35	199.01
55	115.22	123.24	132.79
60	42.59	50.51	93.25
65	55.45	62.78	92.47
70	141.15	150.05	157.42
75	233.12	245.90	248.40
80	327.24	344.41	344.91
85	421.16	442.84	442.84
90	512.65	538.79	538.79
95	599.58	629.99	629.99
100	679.95	714.33	714.33
105	752.02	789.97	789.97
110	814.43	855.47	855.47
115	866.20	909.82	909.82
120	906.88	952.51	952.51
125	936.45	983.55	983.55
130	955.40	1003.44	1003.44
135	964.61	1013.12	1013.12
140	965.32	1013.86	1013.86
145	959.01	1007.24	1007.24
150	947.31	994.96	994.96
155	931.93	978.81	978.81
160	914.54	960.55	960.55
165	896.71	941.84	941.84
170	879.86	924.15	924.15
175	865.21	908.77	908.77

Azimuth	E _{theo}	E _{std}	E _{aug}
180	853.74	896.73	896.73
185	846.17	888.79	888.79
190	842.98	885.44	885.44
195	844.36	886.89	886.89
200	850.21	893.03	893.03
205	860.19	903.51	903.51
210	873.67	917.66	917.66
215	889.78	934.56	934.56
220	907.37	953.03	953.03
225	925.12	971.66	971.66
230	941.51	988.86	988.86
235	954.88	1002.90	1002.90
240	963.55	1012.00	1012.00
245	965.84	1014.40	1014.40
250	960.19	1008.47	1008.47
255	945.26	992.80	992.80
260	920.02	966.31	966.31
265	883.82	928.30	928.30
270	836.45	878.59	878.59
275	778.21	817.46	817.46
280	709.86	745.72	745.72
285	632.61	664.66	664.66
290	548.08	575.97	575.97
295	458.17	481.65	481.65
300	364.96	383.92	384.13
305	270.65	285.15	286.98
310	177.51	187.86	193.96
315	88.36	95.70	112.25
320	24.82	35.08	99.21
325	85.86	93.16	110.09
330	157.72	167.26	174.09
335	222.88	235.20	237.41
340	280.00	294.94	295.21
345	328.62	345.85	345.85
350	368.58	387.72	387.72
355	399.87	420.52	420.52

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission