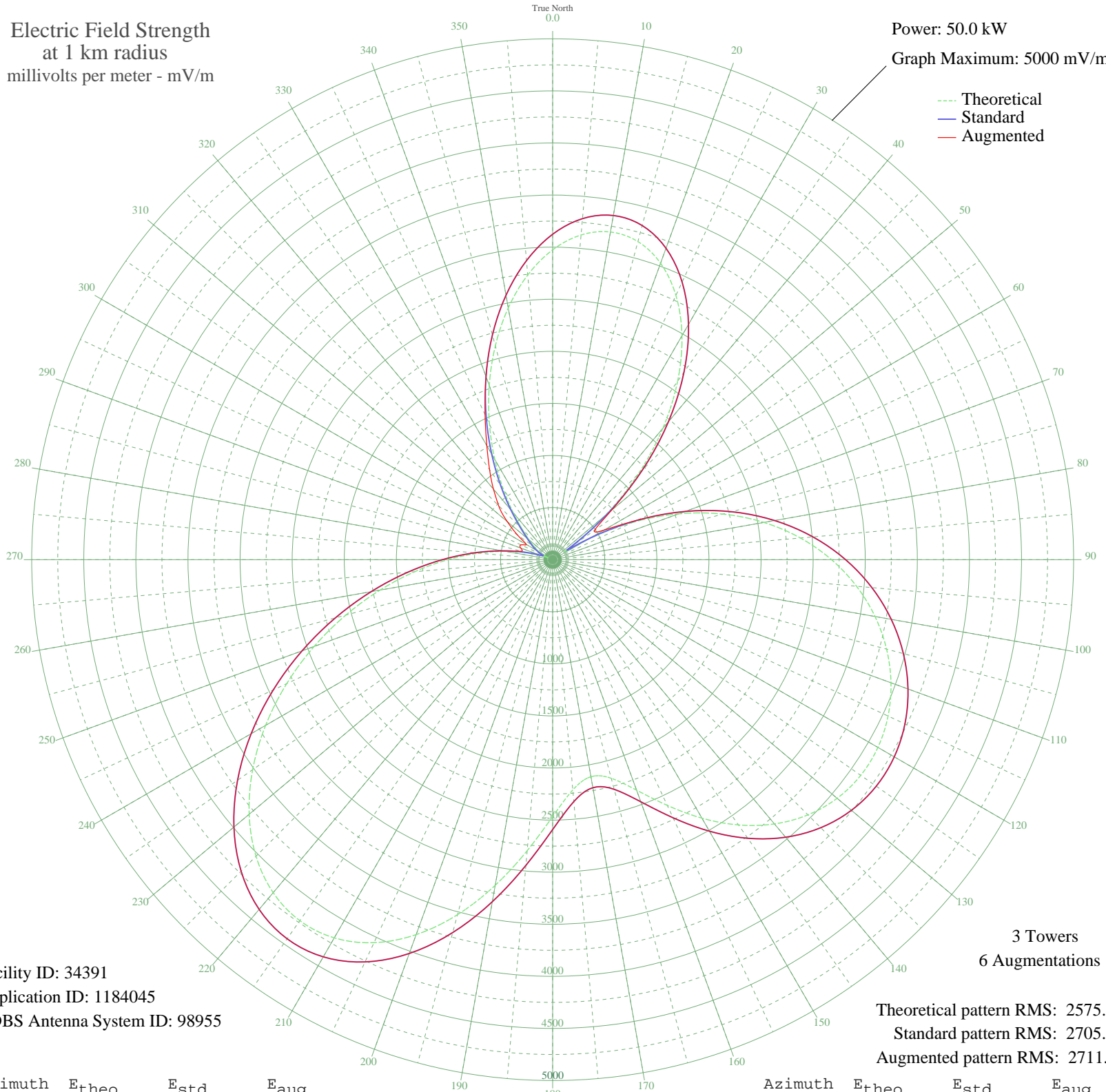


# WLAC NASHVILLE, TN BP-20070507AEP 1510 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 34391  
Application ID: 1184045  
CDBS Antenna System ID: 98955

Theoretical pattern RMS: 2575.00  
Standard pattern RMS: 2705.00  
Augmented pattern RMS: 2711.00

Azimuth	Etheo	Estd	Eaug
0	2974.18	3123.96	3123.96
5	3128.91	3286.38	3286.38
10	3194.11	3354.82	3354.82
15	3161.49	3320.58	3320.58
20	3028.62	3181.10	3181.10
25	2799.10	2940.19	2940.19
30	2482.13	2607.52	2607.52
35	2091.54	2197.64	2197.64
40	1644.47	1728.63	1728.63
45	1160.02	1220.76	1220.76
50	659.10	696.87	736.40
55	188.66	214.33	492.09
60	383.80	411.22	565.66
65	845.84	891.89	898.21
70	1285.79	1352.56	1352.56
75	1691.31	1777.76	1777.76
80	2058.70	2163.18	2163.18
85	2386.98	2507.66	2507.66
90	2676.46	2811.47	2811.47
95	2927.88	3075.37	3075.37
100	3141.80	3299.91	3299.91
105	3318.06	3484.92	3484.92
110	3455.54	3629.24	3629.24
115	3552.12	3730.62	3730.62
120	3604.76	3785.88	3785.88
125	3609.91	3791.29	3791.29
130	3564.09	3743.19	3743.19
135	3464.79	3638.95	3638.95
140	3311.71	3478.25	3478.25
145	3108.53	3264.98	3264.98
150	2865.40	3009.78	3009.78
155	2602.46	2733.81	2733.81
160	2354.30	2473.37	2473.37
165	2172.42	2282.51	2282.51
170	2115.59	2222.88	2222.88
175	2218.83	2331.21	2331.21

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	2466.18	2590.78	2590.78
185	2804.33	2945.68	2945.68
190	3174.51	3334.24	3334.24
195	3528.46	3705.79	3705.79
200	3830.69	4023.06	4023.06
205	4056.87	4260.50	4260.50
210	4192.32	4402.69	4402.69
215	4230.73	4443.02	4443.02
220	4173.10	4382.52	4382.52
225	4026.41	4228.52	4228.52
230	3802.22	3993.17	3993.17
235	3515.11	3691.77	3691.77
240	3181.11	3341.17	3341.17
245	2816.45	2958.41	2958.41
250	2436.39	2559.52	2559.52
255	2054.58	2158.87	2158.87
260	1682.66	1768.69	1768.69
265	1330.22	1399.13	1399.13
270	1004.97	1058.39	1058.01
275	713.08	753.19	750.32
280	459.50	489.37	482.80
285	248.54	273.50	312.00
290	88.16	123.56	325.87
295	71.41	111.00	335.54
300	151.34	178.75	292.03
305	218.58	243.67	410.82
310	295.13	320.52	569.08
315	412.84	441.14	734.01
320	589.42	624.28	884.12
325	825.22	870.34	1055.56
330	1111.39	1169.82	1263.53
335	1434.70	1508.66	1535.36
340	1778.92	1869.66	1870.31
345	2125.39	2233.16	2233.16
350	2453.80	2577.79	2577.79
355	2743.35	2881.68	2881.68