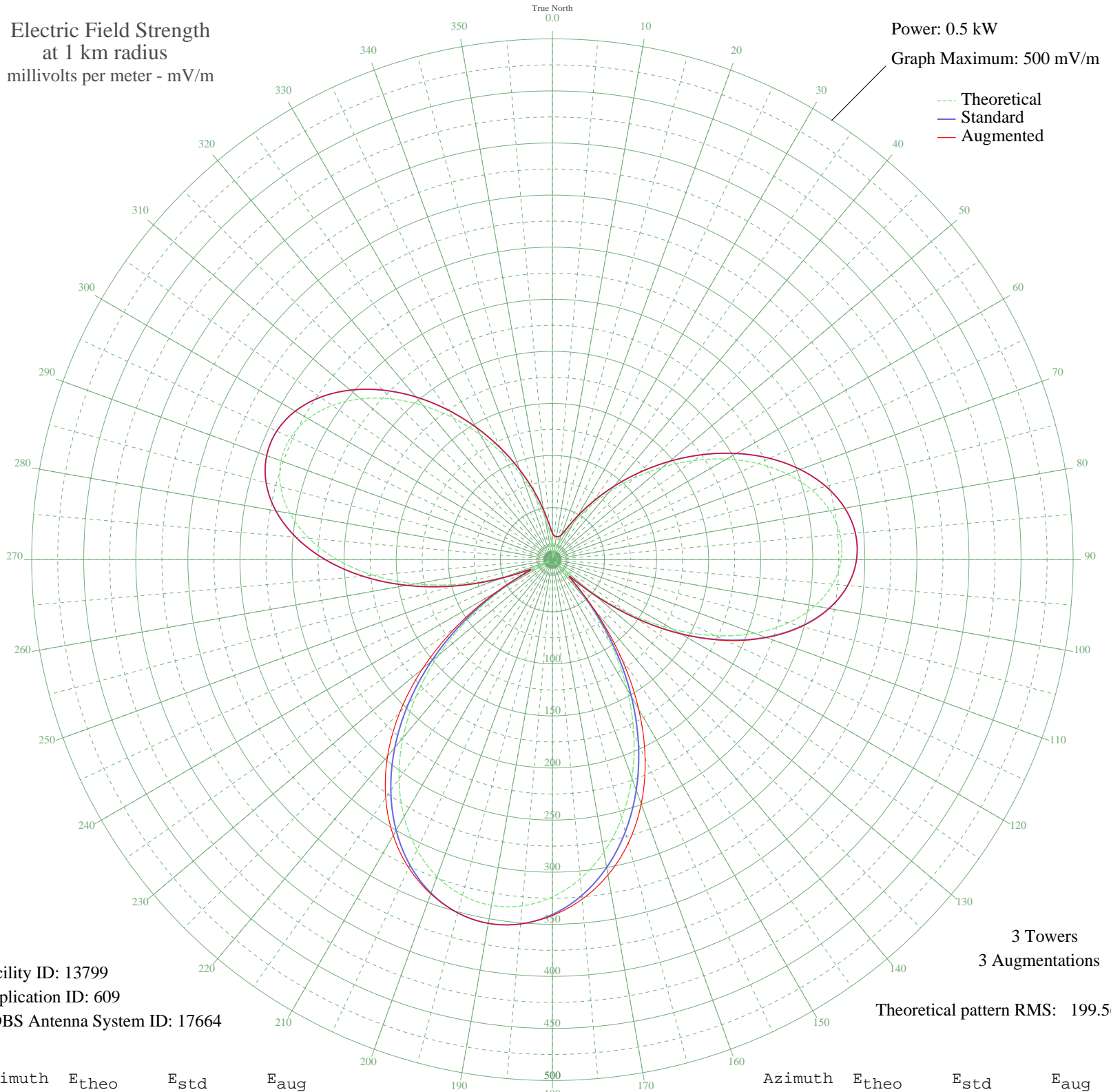


WTTL MADISONVILLE, KY BL-14242 1310 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 13799  
Application ID: 609  
CDBS Antenna System ID: 17664

3 Towers  
3 Augmentations  
Theoretical pattern RMS: 199.56

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	11.78	25.57	25.57
5	4.27	22.83	22.83
10	1.74	22.46	22.46
15	4.27	22.83	22.83
20	11.78	25.57	25.57
25	24.04	33.74	33.74
30	40.68	48.22	48.22
35	61.16	68.01	68.01
40	84.81	91.82	91.82
45	110.82	118.49	118.49
50	138.24	146.86	146.86
55	166.02	175.75	175.75
60	193.05	203.93	203.93
65	218.16	230.15	230.15
70	240.18	253.19	253.19
75	258.03	271.85	271.85
80	270.69	285.10	285.10
85	277.32	292.05	292.05
90	277.29	292.01	292.07
95	270.19	284.58	284.80
100	255.89	269.61	270.05
105	234.54	247.28	247.94
110	206.56	218.04	218.87
115	172.62	182.62	183.52
120	133.59	142.05	142.88
125	90.54	97.67	98.31
130	44.64	51.94	52.28
135	2.88	22.59	22.59
140	50.77	57.82	63.18
145	97.82	105.13	115.76
150	142.91	151.72	165.73
155	185.01	195.54	210.68
160	223.21	235.43	249.45
165	256.75	270.51	281.65
170	285.00	300.08	307.41
175	307.46	323.61	327.22

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	323.76	340.69	341.64
185	333.64	351.04	351.04
190	336.96	354.51	354.51
195	333.64	351.04	351.04
200	323.76	340.69	341.42
205	307.46	323.61	326.37
210	285.00	300.08	305.70
215	256.75	270.51	279.07
220	223.21	235.43	246.23
225	185.01	195.54	207.22
230	142.91	151.72	162.55
235	97.82	105.13	113.35
240	50.77	57.82	61.96
245	2.88	22.59	22.59
250	44.64	51.94	51.94
255	90.54	97.67	97.67
260	133.59	142.05	142.05
265	172.62	182.62	182.62
270	206.56	218.04	218.04
275	234.54	247.28	247.28
280	255.89	269.61	269.61
285	270.19	284.58	284.58
290	277.29	292.01	292.01
295	277.32	292.05	292.05
300	270.69	285.10	285.10
305	258.03	271.85	271.85
310	240.18	253.18	253.18
315	218.16	230.15	230.15
320	193.05	203.93	203.93
325	166.02	175.75	175.75
330	138.24	146.86	146.86
335	110.82	118.49	118.49
340	84.81	91.82	91.82
345	61.16	68.01	68.01
350	40.68	48.22	48.22
355	24.04	33.74	33.74