

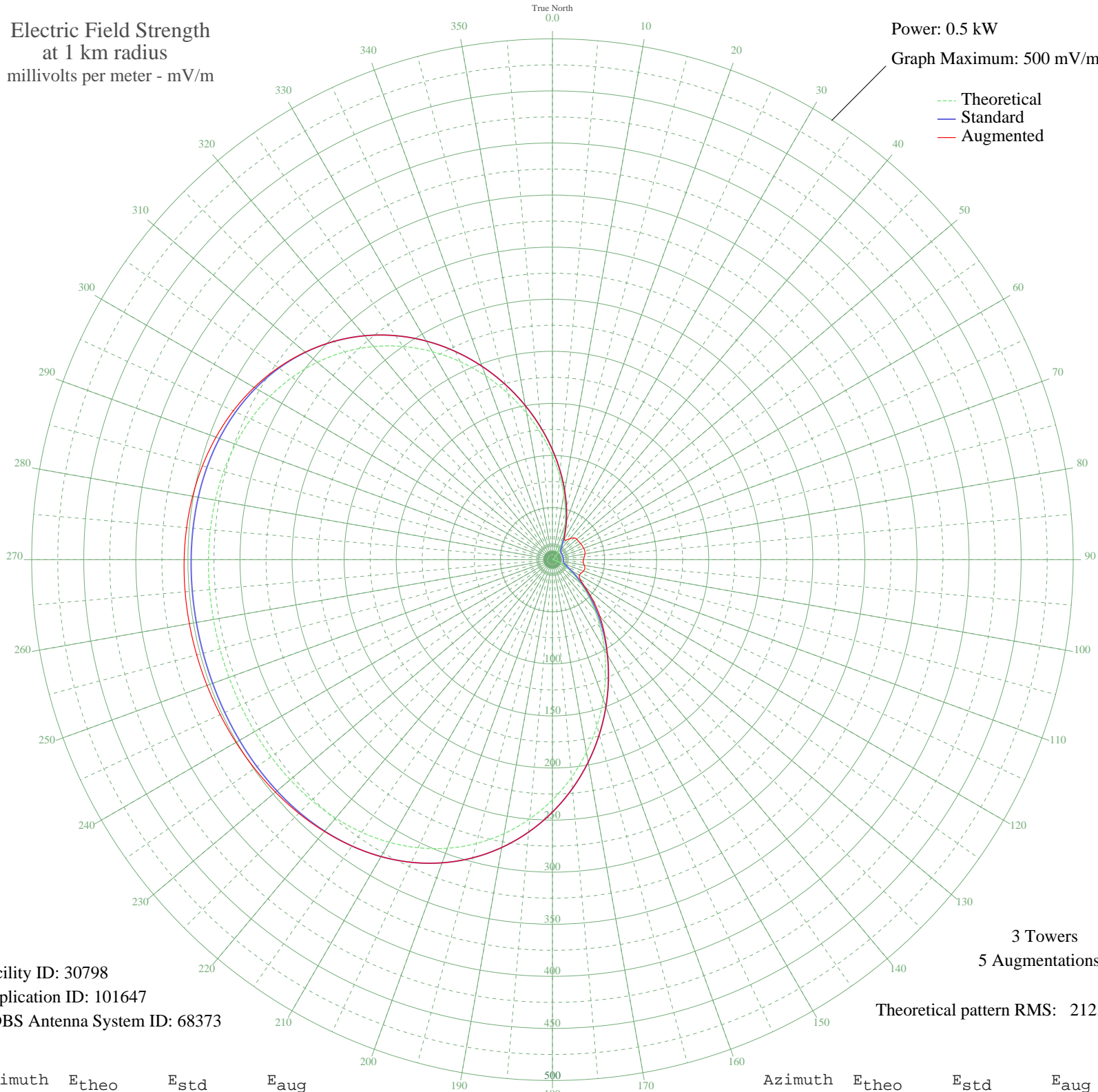
# WTUV LOUISVILLE, KY BL-19870529AF 620 kHz

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 30798  
Application ID: 101647  
CDBS Antenna System ID: 68373

3 Towers  
5 Augmentations  
Theoretical pattern RMS: 212.39

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	99.90	105.42	105.42
5	80.67	85.36	85.36
10	63.43	67.42	67.42
15	48.40	51.89	51.89
20	35.70	38.93	38.93
25	25.34	28.60	28.60
30	17.18	20.87	22.68
35	11.03	15.64	22.98
40	6.62	12.59	26.39
45	3.65	11.18	29.46
50	1.79	10.67	30.58
55	0.74	10.53	30.69
60	0.24	10.50	31.09
65	0.05	10.50	31.59
70	0.00	10.50	31.99
75	0.00	10.50	32.14
80	0.00	10.50	31.72
85	0.05	10.50	30.69
90	0.24	10.50	29.74
95	0.74	10.53	29.71
100	1.79	10.67	31.05
105	3.65	11.18	32.19
110	6.62	12.59	31.76
115	11.03	15.64	30.46
120	17.18	20.87	29.86
125	25.34	28.60	32.34
130	35.70	38.93	40.80
135	48.40	51.89	55.03
140	63.43	67.42	70.81
145	80.67	85.36	87.30
150	99.90	105.42	105.83
155	120.72	127.19	127.19
160	142.69	150.19	150.19
165	165.24	173.82	173.82
170	187.79	197.46	197.46
175	209.75	220.49	220.49

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	230.58	242.34	242.34
185	249.80	262.50	262.50
190	267.05	280.60	280.60
195	282.08	296.37	296.37
200	294.78	309.69	309.69
205	305.14	320.57	320.57
210	313.30	329.13	329.13
215	319.45	335.58	335.64
220	323.86	340.21	340.62
225	326.83	343.34	344.37
230	328.69	345.29	347.17
235	329.74	346.38	349.25
240	330.24	346.91	350.82
245	330.43	347.11	352.01
250	330.48	347.16	352.93
255	330.48	347.16	353.60
260	330.48	347.16	353.99
265	330.43	347.11	354.04
270	330.24	346.91	353.63
275	329.74	346.38	352.60
280	328.69	345.29	350.76
285	326.83	343.34	347.90
290	323.86	340.21	343.76
295	319.45	335.58	338.12
300	313.30	329.13	330.72
305	305.14	320.57	321.38
310	294.78	309.69	309.95
315	282.08	296.37	296.38
320	267.05	280.60	280.60
325	249.80	262.50	262.50
330	230.58	242.34	242.34
335	209.75	220.49	220.49
340	187.79	197.46	197.46
345	165.24	173.82	173.82
350	142.69	150.19	150.19
355	120.72	127.19	127.19