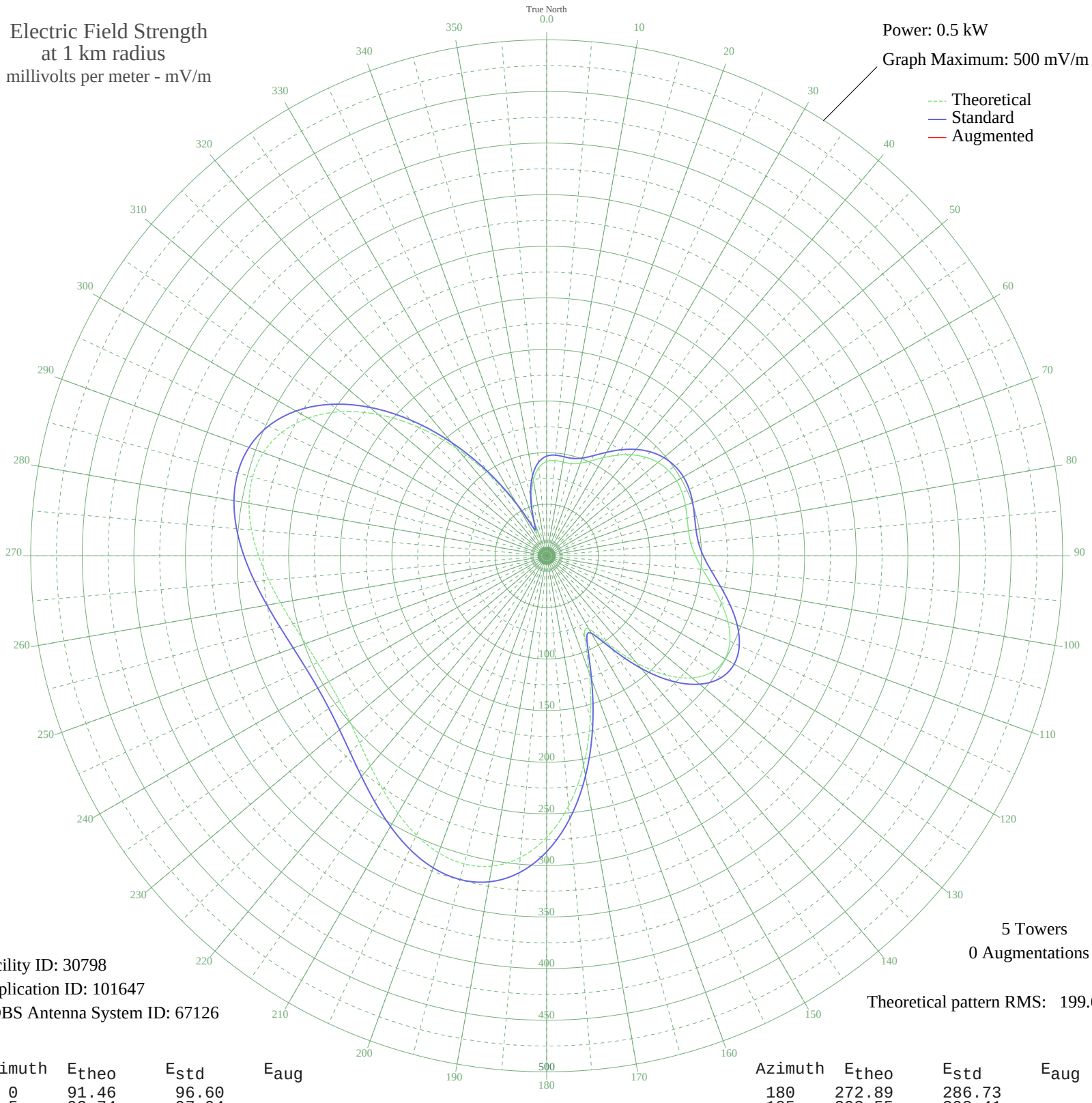
WTUV LOUISVILLE, KY BL-19870529AF 620 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

5 Towers
0 Augmentations

Facility ID: 30798
Application ID: 101647
CDBS Antenna System ID: 67126

Theoretical pattern RMS: 199.60

Azimuth	E_{theo}	E_{std}	E_{aug}
0	91.46	96.60	
5	92.74	97.94	
10	92.24	97.42	
15	92.53	97.72	
20	95.47	100.79	
25	101.51	107.10	
30	109.82	115.79	
35	119.01	125.40	
40	127.78	134.58	
45	135.20	142.34	
50	140.70	148.11	
55	144.07	151.64	
60	145.35	152.98	
65	144.83	152.43	
70	143.07	150.59	
75	140.93	148.35	
80	139.56	146.91	
85	140.27	147.66	
90	144.20	151.77	
95	151.81	159.75	
100	162.58	171.03	
105	175.00	184.05	
110	186.90	196.52	
115	195.87	205.93	
120	199.57	209.81	
125	196.05	206.12	
130	184.02	193.51	
135	163.27	171.75	
140	135.17	142.31	
145	104.18	109.89	
150	81.98	86.72	
155	87.75	92.74	
160	120.67	127.14	
165	163.51	172.01	
170	206.05	216.60	
175	243.35	255.74	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	272.89	286.73	
185	293.55	308.41	
190	305.34	320.78	
195	309.09	324.71	
200	306.25	321.73	
205	298.63	313.74	
210	288.17	302.76	
215	276.67	290.69	
220	265.67	279.15	
225	256.34	269.36	
230	249.40	262.08	
235	245.20	257.67	
240	243.78	256.18	
245	245.02	257.49	
250	248.69	261.33	
255	254.46	267.39	
260	261.91	275.20	
265	270.43	284.15	
270	279.19	293.34	
275	287.11	301.65	
280	292.87	307.70	
285	295.06	309.99	
290	292.24	307.03	
295	283.18	297.52	
300	267.03	280.58	
305	243.51	255.90	
310	212.98	223.87	
315	176.58	185.71	
320	136.17	143.36	
325	94.25	99.52	
330	54.36	58.04	
335	25.53	28.79	
340	33.69	36.90	
345	56.31	60.05	
350	74.44	78.87	
355	85.95	90.86	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission