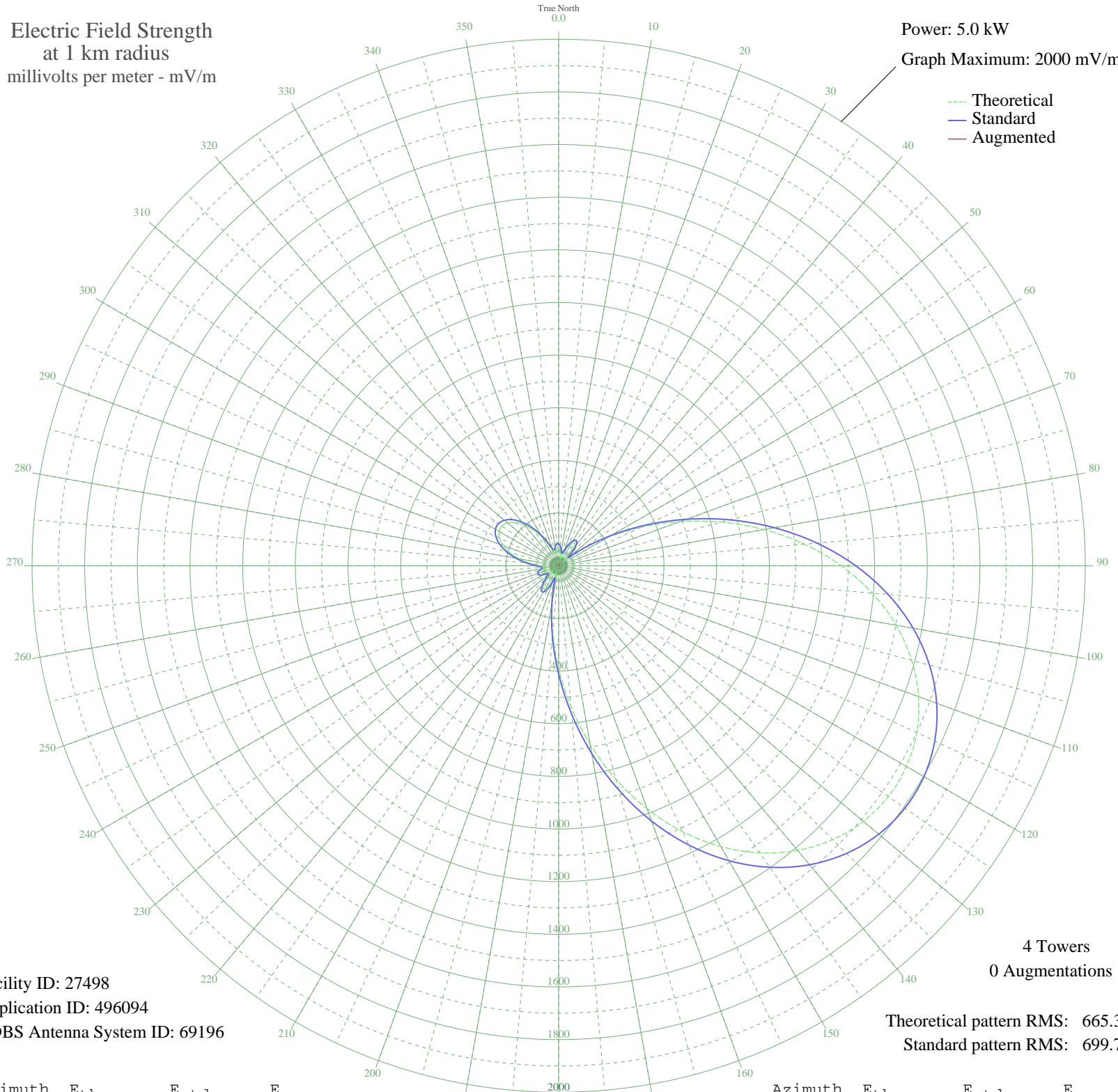


# WKTP JONESBOROUGH, TN BL-20000406AAW 1590 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 27498  
Application ID: 496094  
CDBS Antenna System ID: 69196

4 Towers  
0 Augmentations

Theoretical pattern RMS: 665.30  
Standard pattern RMS: 699.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	70.27	83.83	
5	59.27	73.86	
10	39.56	57.51	
15	26.28	48.41	
20	45.68	62.31	
25	74.81	88.04	
30	97.13	109.47	
35	104.75	116.96	
40	92.16	104.62	
45	56.70	71.59	
50	26.73	48.68	
55	104.48	116.69	
60	215.48	229.72	
65	345.96	365.43	
70	489.65	515.66	
75	640.21	673.39	
80	791.40	831.93	
85	937.52	985.20	
90	1073.66	1128.04	
95	1195.91	1256.33	
100	1301.36	1367.01	
105	1388.01	1457.96	
110	1454.61	1527.86	
115	1500.43	1575.96	
120	1525.12	1601.87	
125	1528.53	1605.45	
130	1510.64	1586.68	
135	1471.56	1545.65	
140	1411.55	1482.66	
145	1331.21	1398.33	
150	1231.59	1293.78	
155	1114.45	1170.85	
160	982.38	1032.27	
165	838.97	881.82	
170	688.81	724.34	
175	537.38	565.65	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	390.80	412.27	
185	255.42	271.12	
190	137.47	149.72	
195	44.99	61.75	
200	41.42	58.94	
205	83.28	96.06	
210	103.13	115.36	
215	101.47	113.73	
220	83.13	95.92	
225	55.09	70.20	
230	29.39	50.34	
235	33.05	52.79	
240	53.61	68.92	
245	67.97	81.70	
250	71.17	84.66	
255	63.47	77.61	
260	50.38	66.18	
265	48.69	64.78	
270	72.68	86.05	
275	110.75	122.90	
280	152.07	164.56	
285	190.98	204.44	
290	223.74	238.27	
295	247.71	263.12	
300	261.10	277.03	
305	262.98	278.98	
310	253.21	268.82	
315	232.47	247.31	
320	202.28	216.08	
325	164.99	177.75	
330	123.95	136.09	
335	84.00	96.76	
340	53.84	69.12	
345	47.41	63.72	
350	59.37	73.94	
355	69.77	83.36	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission