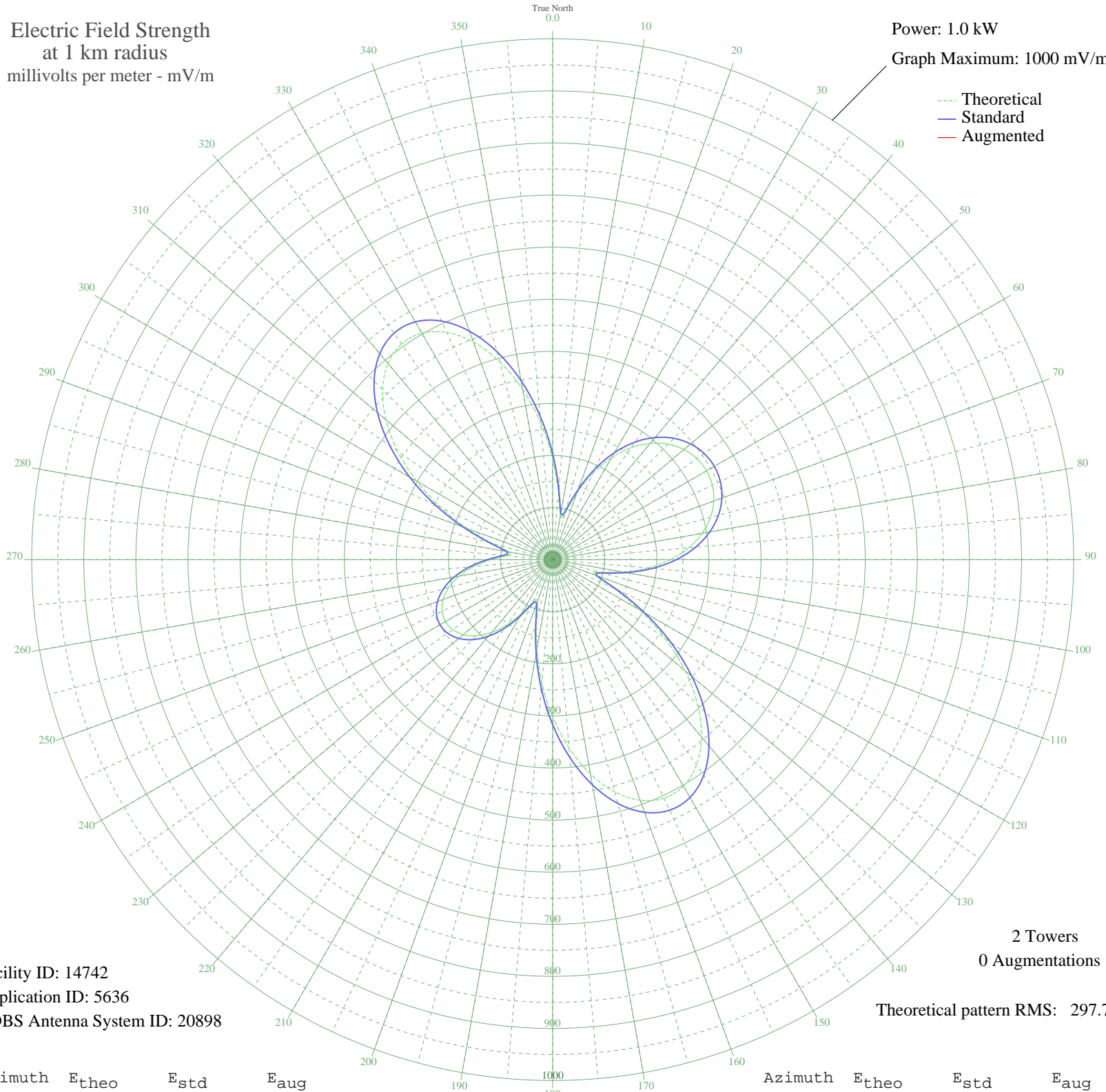


WTJS JACKSON, TN BL-19781031AC 1390 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 14742  
Application ID: 5636  
CDBS Antenna System ID: 20898

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 297.73

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	193.37	203.31	
5	128.45	135.28	
10	85.93	90.84	
15	93.95	99.20	
20	135.87	143.05	
25	182.86	192.29	
30	225.78	237.30	
35	262.15	275.46	
40	291.37	306.12	
45	313.54	329.38	
50	328.99	345.60	
55	338.08	355.14	
60	341.08	358.29	
65	338.08	355.14	
70	328.99	345.60	
75	313.54	329.38	
80	291.37	306.12	
85	262.15	275.46	
90	225.78	237.30	
95	182.86	192.29	
100	135.87	143.05	
105	93.95	99.20	
110	85.93	90.84	
115	128.45	135.28	
120	193.37	203.31	
125	263.68	277.06	
130	332.06	348.82	
135	393.63	413.44	
140	444.44	466.78	
145	481.32	505.50	
150	502.03	527.24	
155	505.43	530.80	
160	491.55	516.23	
165	461.60	484.79	
170	417.82	438.83	
175	363.26	381.56	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	301.54	316.79	
185	236.72	248.78	
190	173.47	182.45	
195	118.52	124.89	
200	85.27	90.14	
205	89.73	94.80	
210	118.95	125.33	
215	152.48	160.45	
220	182.47	191.88	
225	206.49	217.07	
230	223.79	235.21	
235	234.17	246.10	
240	237.62	249.73	
245	234.17	246.10	
250	223.79	235.21	
255	206.49	217.07	
260	182.47	191.88	
265	152.48	160.44	
270	118.94	125.33	
275	89.73	94.80	
280	85.27	90.14	
285	118.52	124.89	
290	173.47	182.45	
295	236.72	248.78	
300	301.54	316.79	
305	363.26	381.56	
310	417.82	438.84	
315	461.60	484.79	
320	491.55	516.23	
325	505.43	530.80	
330	502.03	527.24	
335	481.32	505.50	
340	444.44	466.78	
345	393.63	413.44	
350	332.06	348.82	
355	263.68	277.06	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission