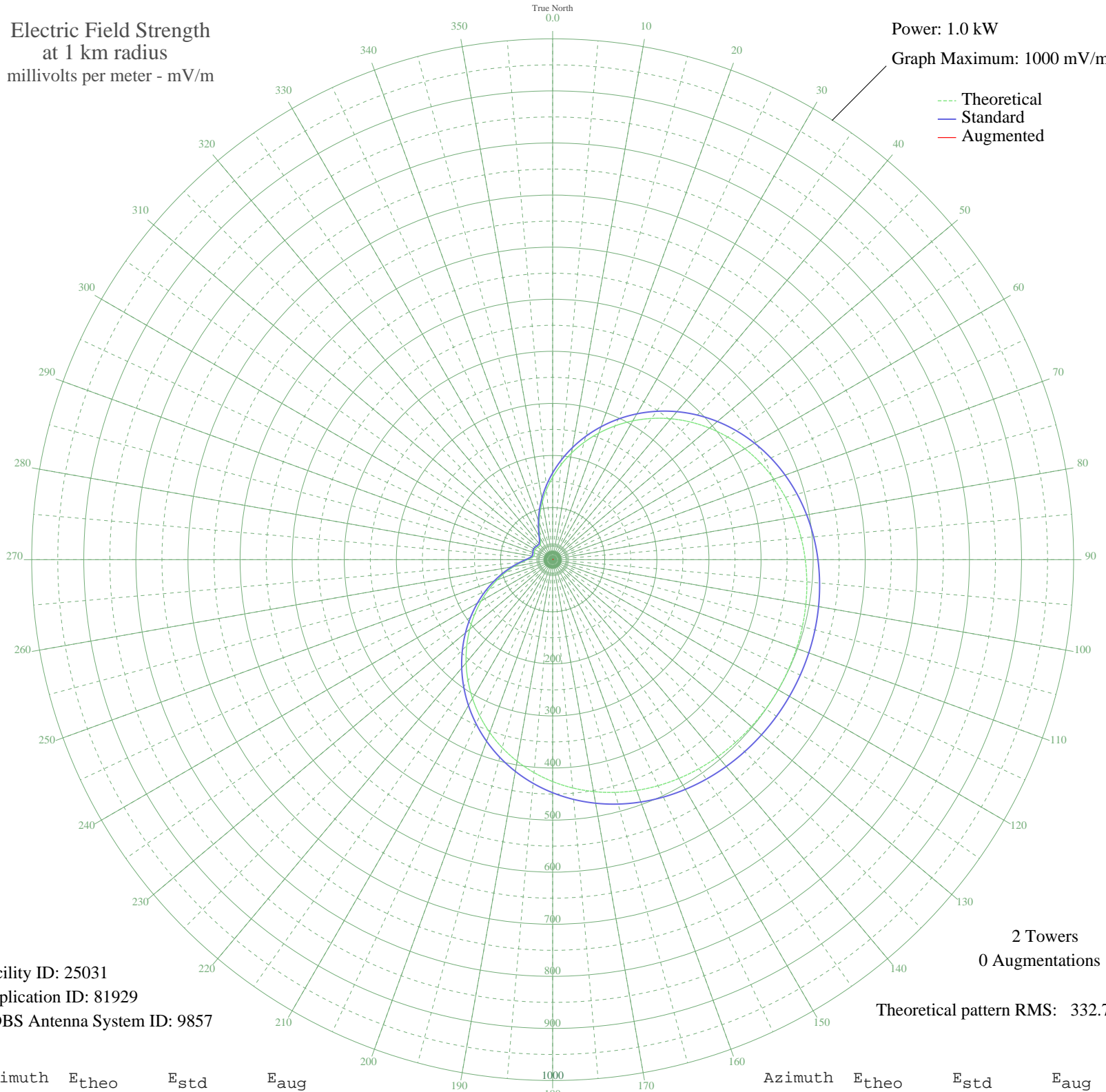


# WCRT DONELSON, TN BL-19850918AE 1160 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 25031  
Application ID: 81929  
CDBS Antenna System ID: 9857

2 Towers  
0 Augmentations

Theoretical pattern RMS: 332.75

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	158.34	166.59	
5	182.71	192.13	
10	207.74	218.38	
15	233.10	244.98	
20	258.43	271.55	
25	283.39	297.74	
30	307.68	323.23	
35	331.00	347.71	
40	353.12	370.93	
45	373.82	392.65	
50	392.94	412.72	
55	410.37	431.02	
60	426.04	447.47	
65	439.94	462.06	
70	452.10	474.82	
75	462.57	485.81	
80	471.45	495.13	
85	478.86	502.91	
90	484.92	509.27	
95	489.76	514.36	
100	493.52	518.30	
105	496.31	521.23	
110	498.23	523.25	
115	499.35	524.42	
120	499.72	524.81	
125	499.35	524.42	
130	498.23	523.25	
135	496.31	521.23	
140	493.52	518.30	
145	489.76	514.36	
150	484.92	509.27	
155	478.86	502.91	
160	471.45	495.13	
165	462.57	485.81	
170	452.10	474.82	
175	439.94	462.06	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	426.04	447.47	
185	410.37	431.02	
190	392.94	412.72	
195	373.82	392.65	
200	353.12	370.93	
205	331.00	347.71	
210	307.68	323.23	
215	283.39	297.74	
220	258.43	271.55	
225	233.10	244.98	
230	207.74	218.38	
235	182.71	192.13	
240	158.34	166.59	
245	135.02	142.16	
250	113.10	119.22	
255	92.99	98.20	
260	75.12	79.57	
265	60.02	63.89	
270	48.30	51.79	
275	40.57	43.87	
280	36.88	40.12	
285	36.28	39.51	
290	37.19	40.44	
295	38.26	41.52	
300	38.70	41.97	
305	38.26	41.52	
310	37.19	40.44	
315	36.28	39.51	
320	36.88	40.12	
325	40.57	43.87	
330	48.30	51.79	
335	60.02	63.89	
340	75.12	79.57	
345	92.99	98.20	
350	113.10	119.22	
355	135.02	142.16	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission