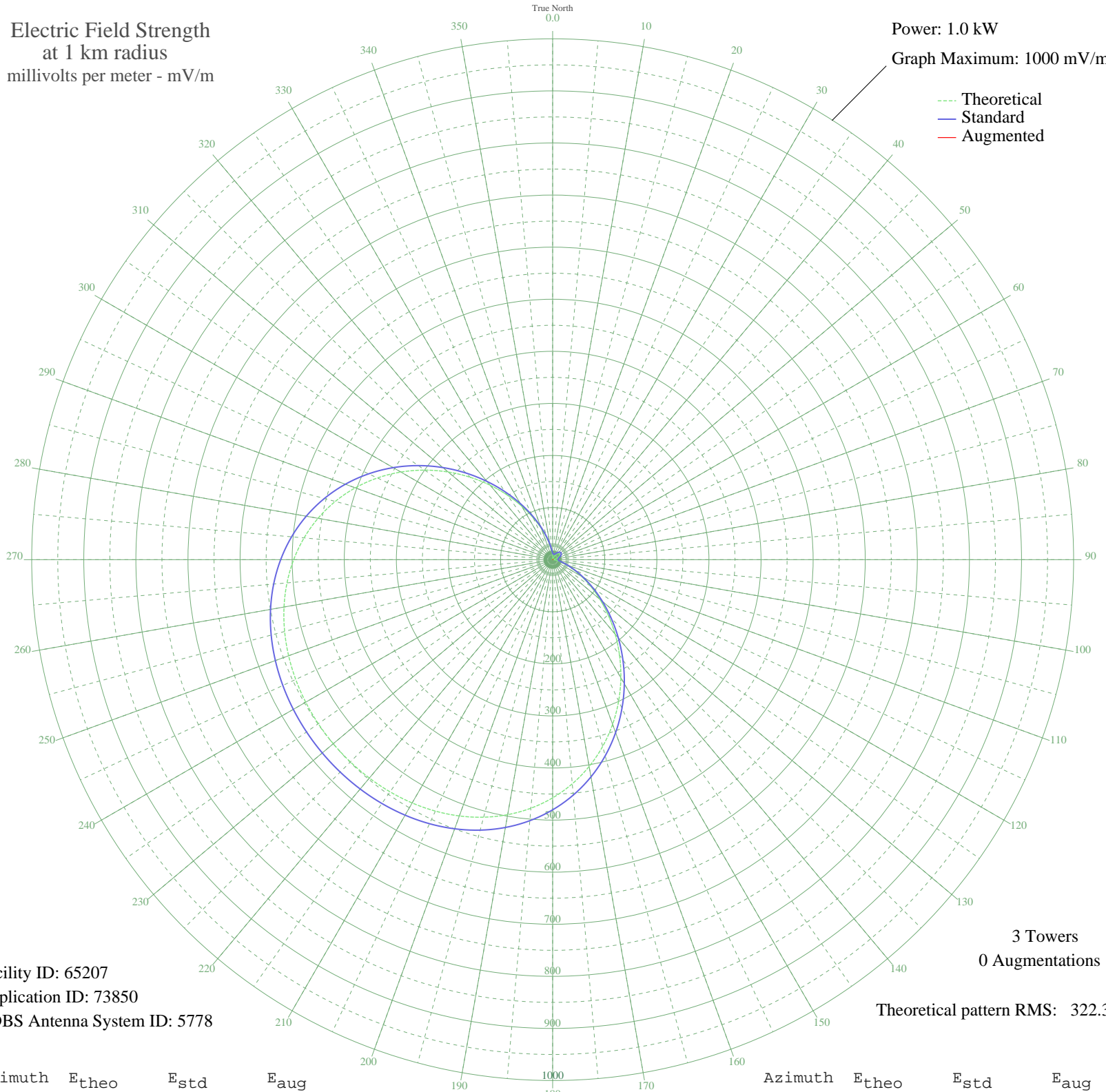


# WGSF MEMPHIS, TN BL-19841106AB 1030 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 65207  
Application ID: 73850  
CDBS Antenna System ID: 5778

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 322.35

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	6.35	12.44	
5	1.74	10.66	
10	0.05	10.50	
15	0.60	10.52	
20	2.72	10.88	
25	5.76	12.12	
30	9.12	14.21	
35	12.29	16.63	
40	14.85	18.80	
45	16.52	20.27	
50	17.09	20.79	
55	16.52	20.27	
60	14.85	18.80	
65	12.29	16.63	
70	9.12	14.21	
75	5.76	12.12	
80	2.72	10.88	
85	0.60	10.52	
90	0.05	10.50	
95	1.74	10.66	
100	6.35	12.44	
105	14.45	18.46	
110	26.55	29.79	
115	42.97	46.33	
120	63.84	67.85	
125	89.07	94.11	
130	118.32	124.68	
135	151.04	158.94	
140	186.48	196.08	
145	223.73	235.15	
150	261.81	275.10	
155	299.69	314.85	
160	336.43	353.41	
165	371.16	389.86	
170	403.19	423.48	
175	432.01	453.73	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	457.31	480.30	
185	479.00	503.06	
190	497.12	522.08	
195	511.89	537.59	
200	523.61	549.89	
205	532.64	559.37	
210	539.37	566.43	
215	544.16	571.47	
220	547.34	574.80	
225	549.15	576.70	
230	549.73	577.31	
235	549.15	576.70	
240	547.34	574.80	
245	544.16	571.47	
250	539.37	566.43	
255	532.64	559.37	
260	523.61	549.89	
265	511.89	537.59	
270	497.12	522.08	
275	479.00	503.06	
280	457.31	480.30	
285	432.01	453.73	
290	403.19	423.48	
295	371.16	389.86	
300	336.43	353.41	
305	299.69	314.85	
310	261.81	275.10	
315	223.73	235.15	
320	186.48	196.08	
325	151.04	158.94	
330	118.32	124.68	
335	89.07	94.11	
340	63.84	67.85	
345	42.97	46.33	
350	26.55	29.79	
355	14.45	18.46	

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