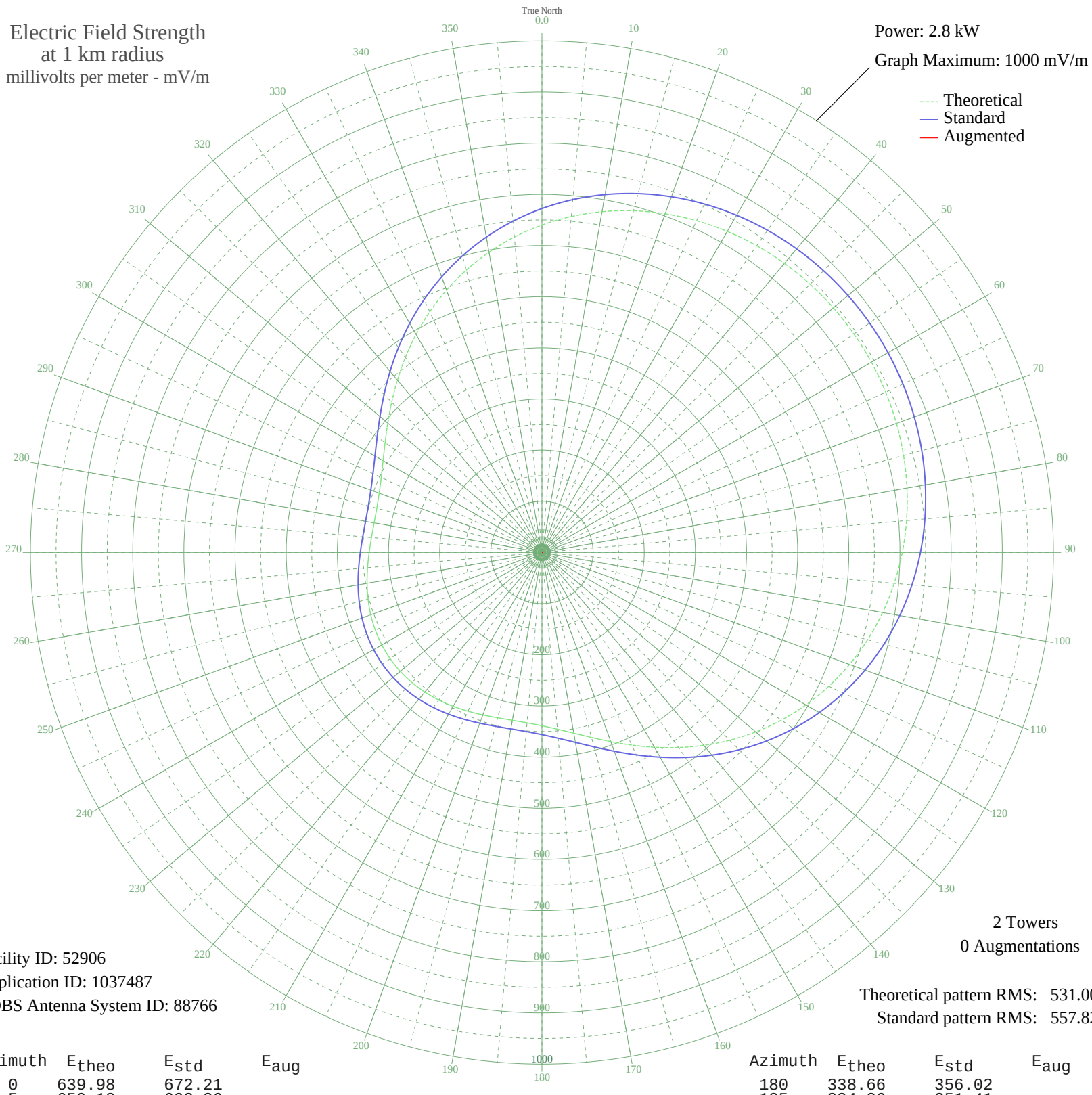
WPLX CAPLEVILLE, TN BMJP-20050106AAG 1180 kHz

Critical Hours

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



Power: 2.8 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 52906
Application ID: 1037487
CDBS Antenna System ID: 88766

Theoretical pattern RMS: 531.00
Standard pattern RMS: 557.82

Azimuth	E_{theo}	E_{std}	E_{aug}
0	639.98	672.21	
5	659.18	692.36	
10	676.33	710.37	
15	691.42	726.21	
20	704.47	739.90	
25	715.52	751.50	
30	724.66	761.10	
35	731.98	768.78	
40	737.56	774.63	
45	741.48	778.75	
50	743.81	781.19	
55	744.58	782.00	
60	743.81	781.19	
65	741.48	778.75	
70	737.56	774.63	
75	731.98	768.78	
80	724.66	761.10	
85	715.52	751.50	
90	704.47	739.90	
95	691.42	726.21	
100	676.33	710.37	
105	659.18	692.36	
110	639.98	672.21	
115	618.84	650.02	
120	595.90	625.94	
125	571.40	600.23	
130	545.66	573.21	
135	519.08	545.31	
140	492.16	517.06	
145	465.47	489.06	
150	439.65	461.97	
155	415.40	436.52	
160	393.40	413.44	
165	374.30	393.40	
170	358.62	376.96	
175	346.71	364.47	

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.

15 Apr 2006

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	338.66	356.02	
185	334.26	351.41	
190	333.08	350.18	
195	334.50	351.67	
200	337.80	355.13	
205	342.24	359.78	
210	347.15	364.93	
215	351.94	369.96	
220	356.15	374.37	
225	359.40	377.78	
230	361.45	379.93	
235	362.15	380.66	
240	361.45	379.93	
245	359.40	377.78	
250	356.15	374.37	
255	351.94	369.96	
260	347.15	364.93	
265	342.24	359.78	
270	337.80	355.13	
275	334.50	351.67	
280	333.08	350.18	
285	334.26	351.41	
290	338.66	356.02	
295	346.71	364.47	
300	358.62	376.96	
305	374.30	393.40	
310	393.40	413.44	
315	415.40	436.52	
320	439.65	461.97	
325	465.47	489.06	
330	492.16	517.06	
335	519.08	545.31	
340	545.66	573.21	
345	571.40	600.23	
350	595.90	625.94	
355	618.84	650.02	