

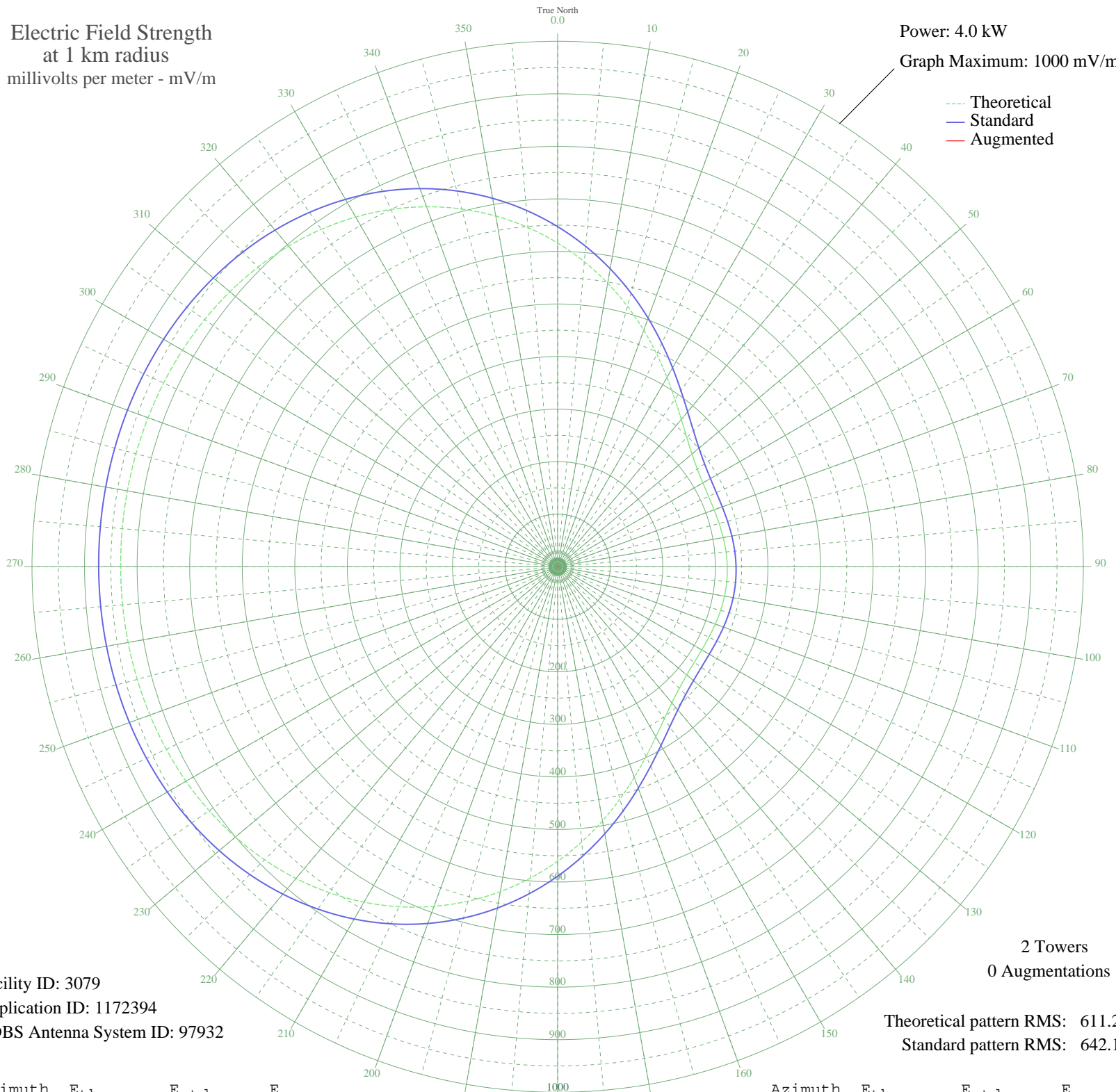
WXFO ROYSTON, GA BP-20070205AAA 830 kHz

Critical Hours

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

Power: 4.0 kW

Graph Maximum: 1000 mV/m



Facility ID: 3079
Application ID: 1172394
CDBS Antenna System ID: 97932

2 Towers
0 Augmentations

Theoretical pattern RMS: 611.20
Standard pattern RMS: 642.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	616.06	647.20	
5	582.50	611.99	
10	547.93	575.71	
15	513.11	539.18	
20	478.90	503.28	
25	446.19	468.97	
30	415.91	437.21	
35	388.91	408.90	
40	365.94	384.81	
45	347.47	365.45	
50	333.68	350.99	
55	324.37	341.24	
60	318.99	335.60	
65	316.75	333.25	
70	316.73	333.22	
75	318.01	334.57	
80	319.82	336.46	
85	321.50	338.23	
90	322.61	339.39	
95	322.90	339.69	
100	322.30	339.06	
105	320.94	337.64	
110	319.15	335.77	
115	317.45	333.99	
120	316.54	333.03	
125	317.25	333.78	
130	320.52	337.20	
135	327.23	344.24	
140	338.11	355.64	
145	353.58	371.85	
150	373.71	392.95	
155	398.20	418.64	
160	426.47	448.29	
165	457.73	481.08	
170	491.09	516.07	
175	525.62	552.30	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	560.45	588.84	
185	594.74	624.82	
190	627.77	659.49	
195	658.93	692.19	
200	687.73	722.43	
205	713.84	749.82	
210	737.01	774.15	
215	757.16	795.30	
220	774.30	813.29	
225	788.56	828.26	
230	800.14	840.41	
235	809.30	850.02	
240	816.34	857.41	
245	821.59	862.92	
250	825.37	866.90	
255	828.00	869.65	
260	829.73	871.47	
265	830.78	872.58	
270	831.33	873.15	
275	831.46	873.28	
280	831.18	873.00	
285	830.47	872.25	
290	829.19	870.91	
295	827.17	868.78	
300	824.16	865.62	
305	819.88	861.13	
310	814.03	854.98	
315	806.26	846.83	
320	796.27	836.34	
325	783.75	823.21	
330	768.47	807.17	
335	750.26	788.05	
340	729.01	765.75	
345	704.77	740.30	
350	677.66	711.85	
355	647.96	680.68	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission