

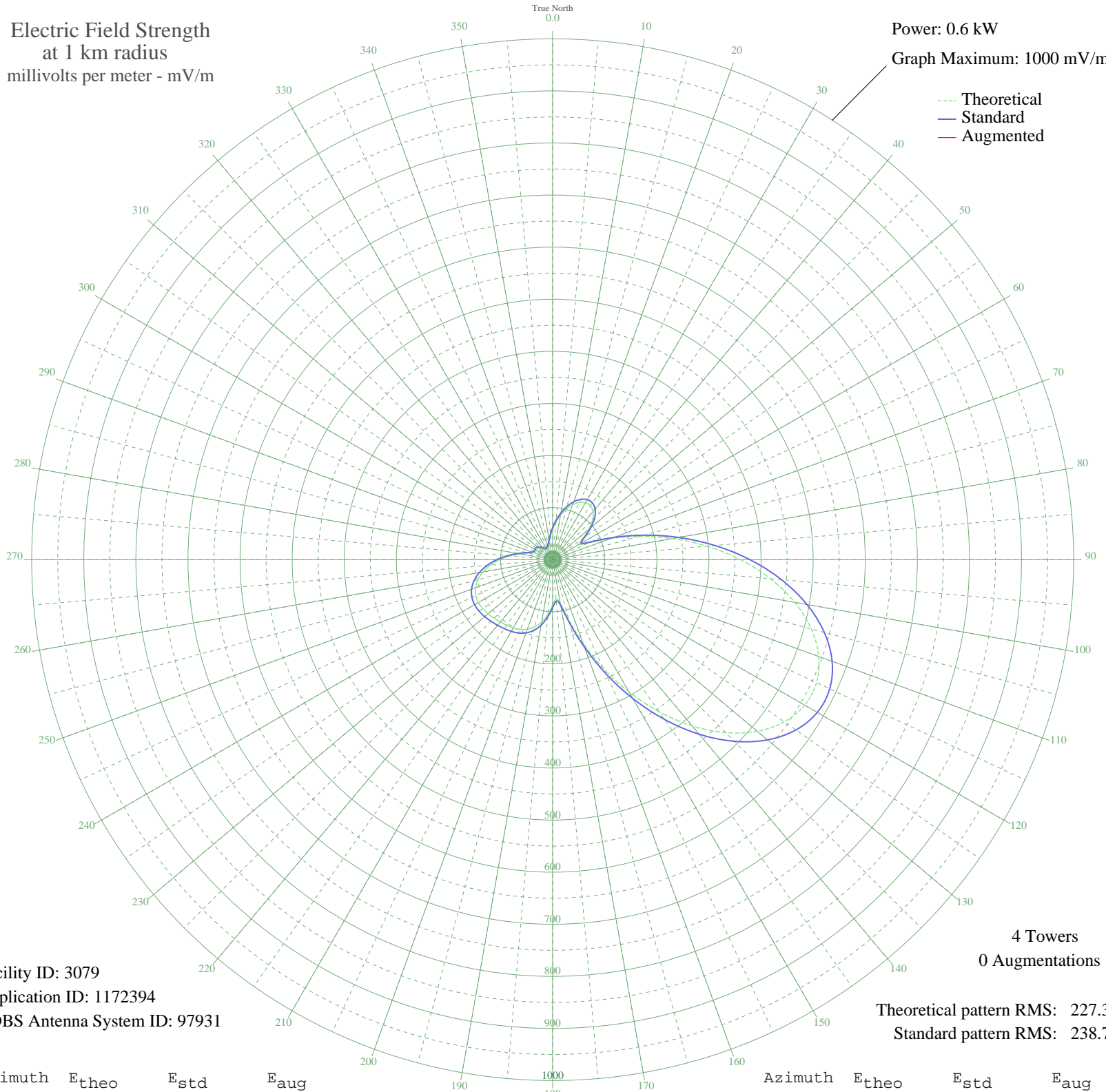
WXFO ROYSTON, GA BP-20070205AAA 830 kHz

Nighttime

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

Power: 0.6 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 3079
Application ID: 1172394
CDBS Antenna System ID: 97931

4 Towers
0 Augmentations
Theoretical pattern RMS: 227.30
Standard pattern RMS: 238.70

Azimuth	E _{theo}	E _{std}	E _{aug}
0	57.73	61.52	
5	71.52	75.83	
10	85.98	90.89	
15	99.90	105.42	
20	112.04	118.11	
25	121.20	127.69	
30	126.26	132.99	
35	126.23	132.96	
40	120.36	126.81	
45	108.28	114.18	
50	90.55	95.66	
55	70.38	74.64	
60	59.33	63.17	
65	76.34	80.84	
70	118.17	124.52	
75	172.67	181.61	
80	233.70	245.61	
85	297.45	312.50	
90	360.58	378.76	
95	419.83	440.94	
100	471.98	495.69	
105	514.08	539.89	
110	543.63	570.90	
115	558.77	586.80	
120	558.51	586.53	
125	542.80	570.04	
130	512.56	538.29	
135	469.61	493.20	
140	416.53	437.49	
145	356.47	374.44	
150	292.89	307.72	
155	229.47	241.17	
160	170.08	178.89	
165	119.44	125.85	
170	84.87	89.73	
175	75.33	79.79	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	86.88	91.82	
185	104.84	110.58	
190	121.17	127.67	
195	133.60	140.67	
200	142.12	149.59	
205	147.56	155.30	
210	151.07	158.97	
215	153.72	161.74	
220	156.27	164.42	
225	159.03	167.31	
230	161.79	170.20	
235	163.89	172.41	
240	164.45	172.99	
245	162.53	170.98	
250	157.36	165.57	
255	148.48	156.26	
260	135.84	143.02	
265	119.88	126.31	
270	101.51	107.10	
275	82.16	86.90	
280	63.71	67.72	
285	48.52	52.02	
290	38.99	42.26	
295	35.69	38.92	
300	35.89	39.12	
305	36.10	39.34	
310	34.60	37.82	
315	31.27	34.47	
320	27.01	30.24	
325	23.23	26.56	
330	21.35	24.75	
335	21.90	25.28	
340	24.55	27.83	
345	29.14	32.34	
350	36.06	39.29	
355	45.66	49.08	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission