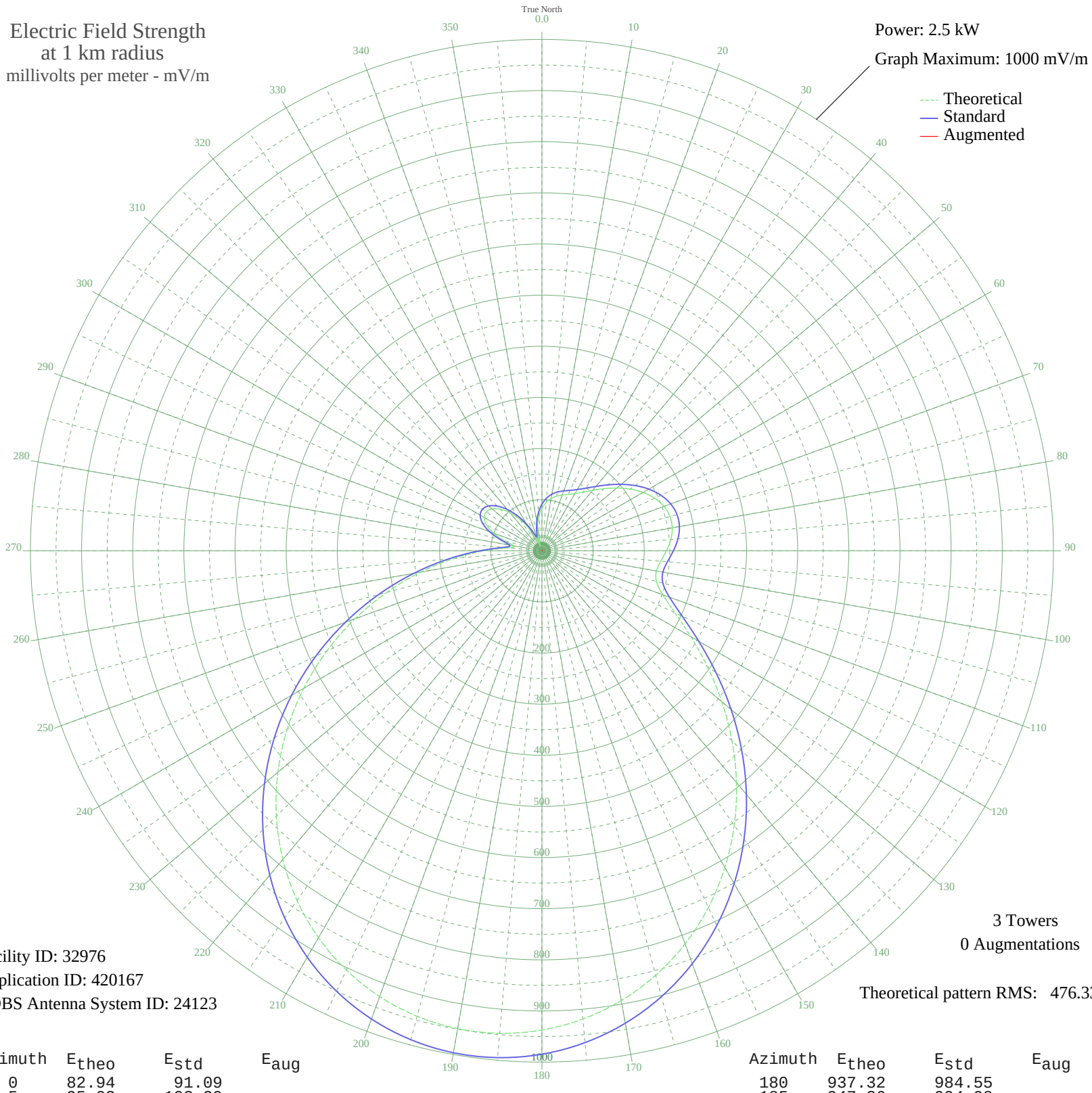
WDUN GAINESVILLE, GA BL-19970401AM 550 kHz

Nighttime

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



Power: 2.5 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 32976
Application ID: 420167
CDBS Antenna System ID: 24123

Theoretical pattern RMS: 476.33

Azimuth	E_{theo}	E_{std}	E_{aug}
0	82.94	91.09	
5	95.03	103.29	
10	103.98	112.40	
15	110.54	119.10	
20	115.89	124.58	
25	121.57	130.41	
30	129.20	138.26	
35	139.99	149.39	
40	154.32	164.22	
45	171.68	182.24	
50	190.87	202.18	
55	210.29	222.42	
60	228.28	241.18	
65	243.25	256.81	
70	253.85	267.88	
75	259.13	273.39	
80	258.68	272.92	
85	252.91	266.90	
90	243.38	256.94	
95	233.21	246.32	
100	227.32	240.18	
105	231.79	244.84	
110	251.39	265.31	
115	287.09	302.62	
120	336.26	354.08	
125	394.87	415.47	
130	459.03	482.73	
135	525.52	552.44	
140	591.70	621.86	
145	655.51	688.80	
150	715.30	751.54	
155	769.80	808.73	
160	818.04	859.36	
165	859.33	902.70	
170	893.18	938.22	
175	919.25	965.58	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	937.32	984.55	
185	947.26	994.98	
190	949.00	996.81	
195	942.49	989.97	
200	927.72	974.48	
205	904.75	950.36	
210	873.65	917.72	
215	834.63	876.77	
220	787.98	827.81	
225	734.19	771.36	
230	673.89	708.09	
235	607.98	638.93	
240	537.55	565.06	
245	463.96	487.89	
250	388.78	409.09	
255	313.80	330.57	
260	241.04	254.50	
265	172.85	183.45	
270	112.53	121.14	
275	67.38	75.62	
280	55.58	64.18	
285	75.76	83.91	
290	100.54	108.90	
295	119.50	128.29	
300	130.29	139.38	
305	132.66	141.83	
310	127.21	136.21	
315	114.95	123.62	
320	97.19	105.48	
325	75.38	83.53	
330	51.10	59.93	
335	26.28	38.40	
340	9.96	28.68	
345	27.46	39.30	
350	48.67	57.66	
355	67.44	75.67	

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

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Federal Communications Commission