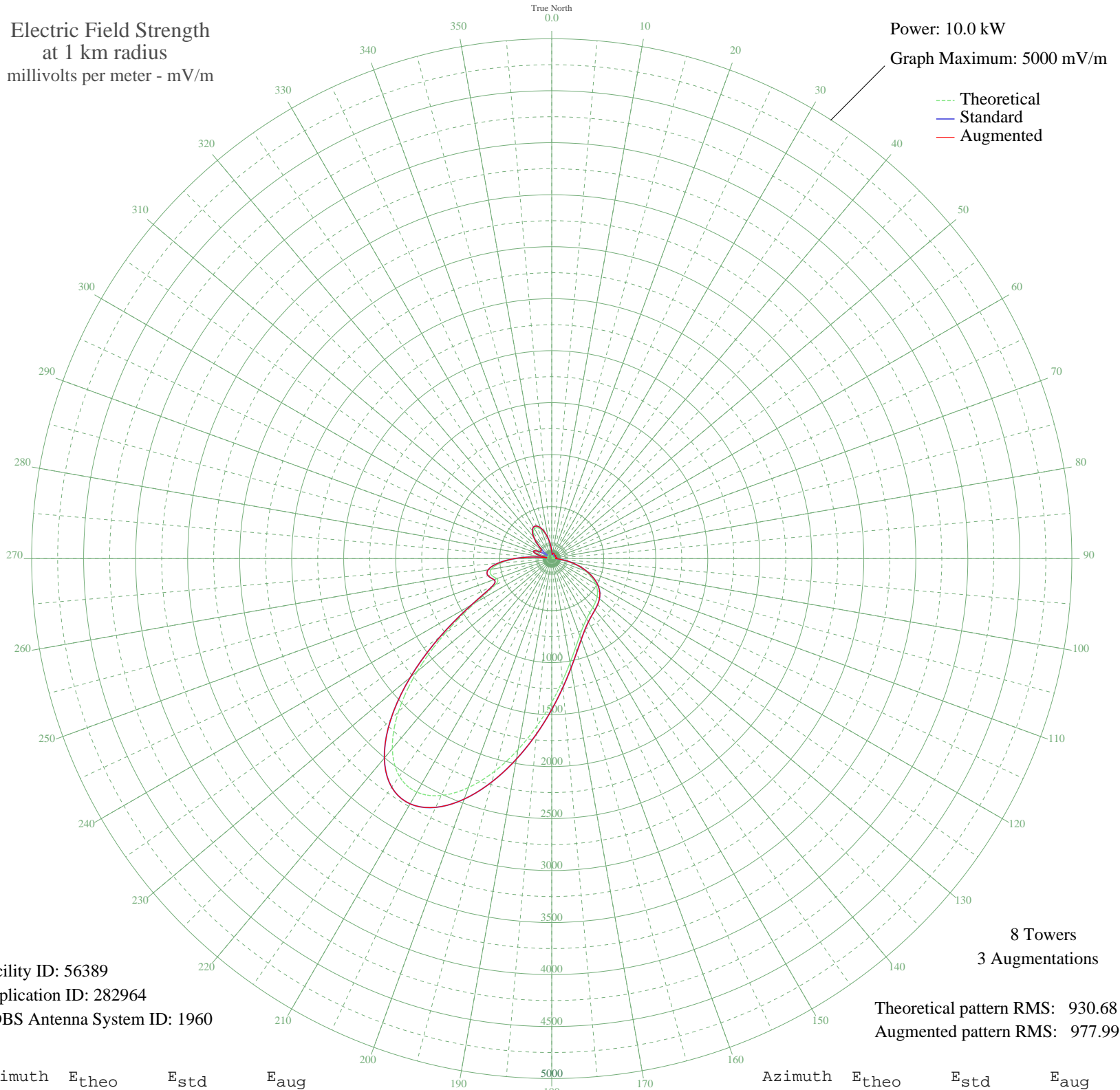


WCNN NORTH ATLANTA, GA BL-19990318DC 680 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 56389
Application ID: 282964
CDBS Antenna System ID: 1960

8 Towers
3 Augmentations

Theoretical pattern RMS: 930.68
Augmented pattern RMS: 977.99

Azimuth	E _{theo}	E _{std}	E _{aug}
0	59.21	70.48	70.48
5	15.88	37.16	37.16
10	30.26	45.96	45.96
15	43.69	56.63	56.63
20	40.94	54.32	55.65
25	26.47	43.30	52.19
30	8.00	34.25	51.41
35	9.33	34.62	50.88
40	16.37	37.39	45.67
45	13.71	36.19	42.03
50	4.05	33.48	50.90
55	7.01	34.01	47.65
60	14.45	36.51	37.35
65	18.59	38.52	38.52
70	25.87	42.90	42.90
75	35.71	50.08	50.08
80	37.97	51.89	51.89
85	22.43	40.71	40.71
90	16.94	37.67	37.67
95	80.25	90.57	90.57
100	161.96	173.27	173.27
105	252.80	267.51	267.51
110	342.48	361.13	361.13
115	422.36	444.72	444.72
120	487.13	512.57	512.57
125	535.41	563.17	563.17
130	569.30	598.68	598.68
135	593.39	623.94	623.94
140	613.73	645.27	645.27
145	636.90	669.57	669.57
150	669.51	703.77	703.77
155	717.93	754.56	754.56
160	788.23	828.30	828.30
165	886.00	930.89	930.89
170	1015.99	1067.30	1067.30
175	1181.25	1240.76	1240.76

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1381.87	1451.34	1451.34
185	1613.25	1694.24	1694.24
190	1864.38	1957.88	1957.88
195	2116.59	2222.67	2222.67
200	2343.60	2461.01	2461.01
205	2513.49	2639.37	2639.37
210	2593.13	2722.99	2722.99
215	2554.79	2682.73	2682.73
220	2383.76	2503.17	2503.17
225	2085.27	2189.78	2189.78
230	1688.78	1773.53	1773.53
235	1249.35	1312.24	1312.24
240	849.35	892.44	892.44
245	600.79	631.70	631.70
250	562.65	591.72	591.72
255	602.84	633.85	633.85
260	590.58	620.99	620.99
265	496.38	522.26	522.26
270	341.55	360.16	360.16
275	165.40	176.82	176.82
280	29.96	45.74	45.74
285	118.20	128.48	128.48
290	172.95	184.61	184.61
295	168.85	180.37	180.37
300	116.70	126.96	128.49
305	43.12	56.15	128.69
310	82.97	93.23	128.69
315	175.10	186.83	186.83
320	253.55	268.29	268.29
325	307.31	324.38	324.38
330	332.12	350.30	350.30
335	327.98	345.97	345.97
340	298.20	314.86	314.86
345	248.55	263.08	263.08
350	186.48	198.60	198.60
355	120.43	130.74	130.74

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission