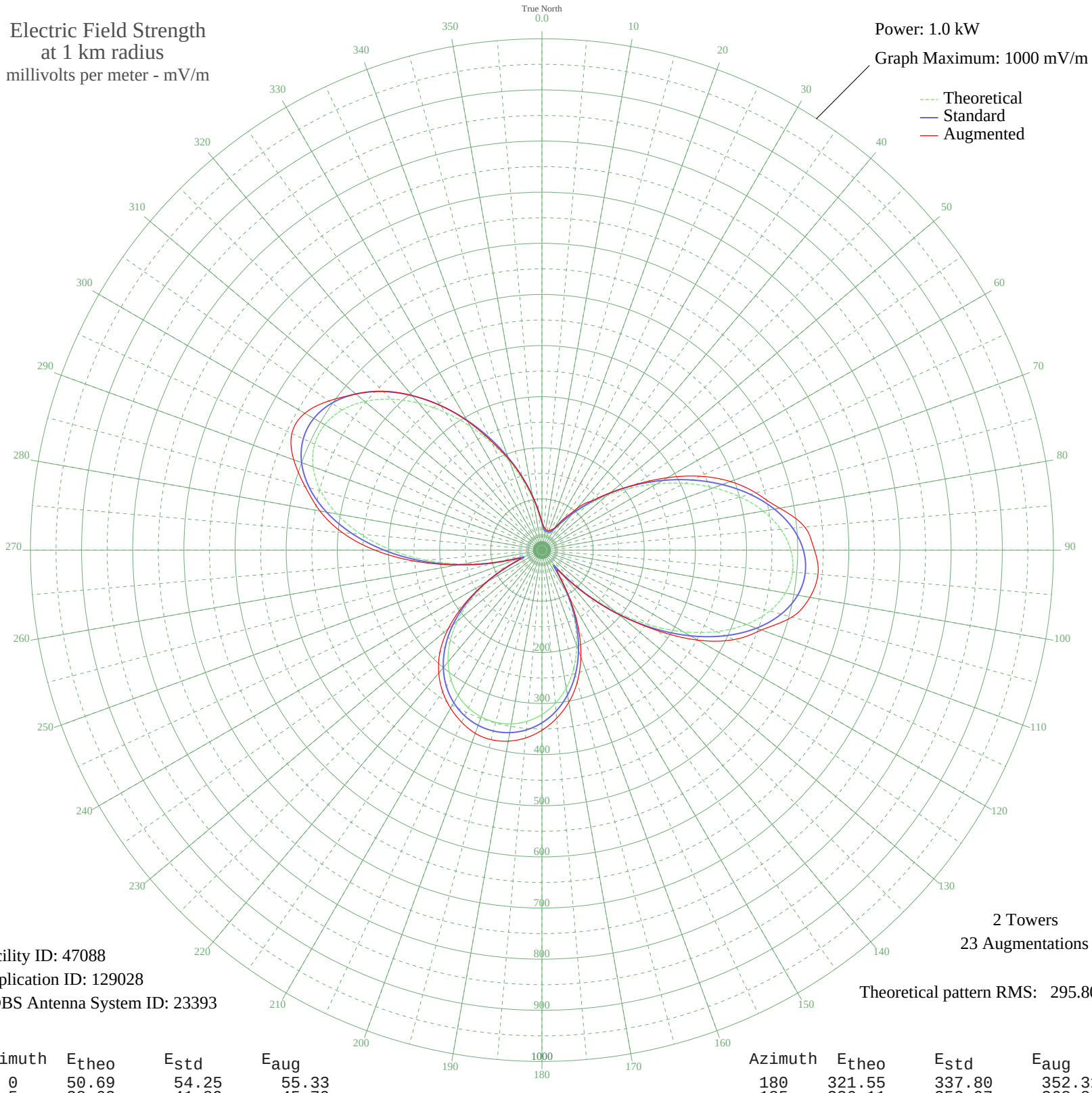
WIOL COLUMBUS, GA BL-19890525AC 1580 kHz

Nighttime



Facility ID: 47088
Application ID: 129028
CDBS Antenna System ID: 23393

2 Towers
23 Augmentations

Theoretical pattern RMS: 295.80

Azimuth	E_{theo}	E_{std}	E_{aug}
0	50.69	54.25	55.33
5	38.63	41.89	45.70
10	34.73	37.95	41.56
15	34.33	37.55	39.96
20	34.41	37.63	40.66
25	36.32	39.56	43.62
30	44.69	48.09	50.36
35	62.65	66.62	75.59
40	89.75	94.82	105.68
45	124.45	131.10	135.13
50	165.30	173.89	174.04
55	210.82	221.60	223.85
60	259.30	272.47	283.35
65	308.78	324.39	341.78
70	356.97	374.97	392.19
75	401.38	421.58	432.86
80	439.42	461.51	472.09
85	468.59	492.13	516.04
90	486.68	511.12	532.87
95	491.99	516.69	541.77
100	483.49	507.77	531.99
105	460.95	484.11	506.15
110	425.00	446.37	456.64
115	377.05	396.04	414.15
120	319.23	335.36	352.34
125	254.21	267.13	273.08
130	185.04	194.58	194.58
135	115.31	121.53	122.45
140	52.17	55.78	62.08
145	44.46	47.84	54.05
150	96.99	102.38	107.48
155	150.79	158.68	168.58
160	198.83	209.04	222.41
165	239.93	252.15	267.10
170	273.90	287.79	302.23
175	300.97	316.20	330.02

Azimuth	E_{theo}	E_{std}	E_{aug}
180	321.55	337.80	352.31
185	336.11	353.07	368.86
190	345.05	362.46	379.42
195	348.69	366.27	383.80
200	347.13	364.64	381.28
205	340.34	357.51	371.38
210	328.07	344.64	357.08
215	309.96	325.63	338.30
220	285.54	300.00	313.85
225	254.37	267.29	281.96
230	216.13	227.18	239.13
235	170.80	179.65	186.01
240	119.03	125.42	126.25
245	63.92	67.93	69.48
250	36.29	39.53	45.62
255	88.44	93.46	93.60
260	156.98	165.16	166.62
265	226.86	238.44	249.08
270	293.93	308.80	326.81
275	354.97	372.86	391.55
280	407.15	427.64	440.82
285	448.12	470.64	479.12
290	476.14	500.06	516.36
295	490.28	514.90	539.54
300	490.41	515.04	535.37
305	477.26	501.23	508.60
310	452.28	475.01	474.92
315	417.51	438.51	439.52
320	375.34	394.24	394.55
325	328.35	344.93	344.93
330	279.10	293.24	291.25
335	229.96	241.68	235.80
340	183.04	192.47	189.10
345	140.14	147.52	146.28
350	102.80	108.45	107.32
355	72.48	76.83	76.77

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 Feb 2012

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Federal Communications Commission