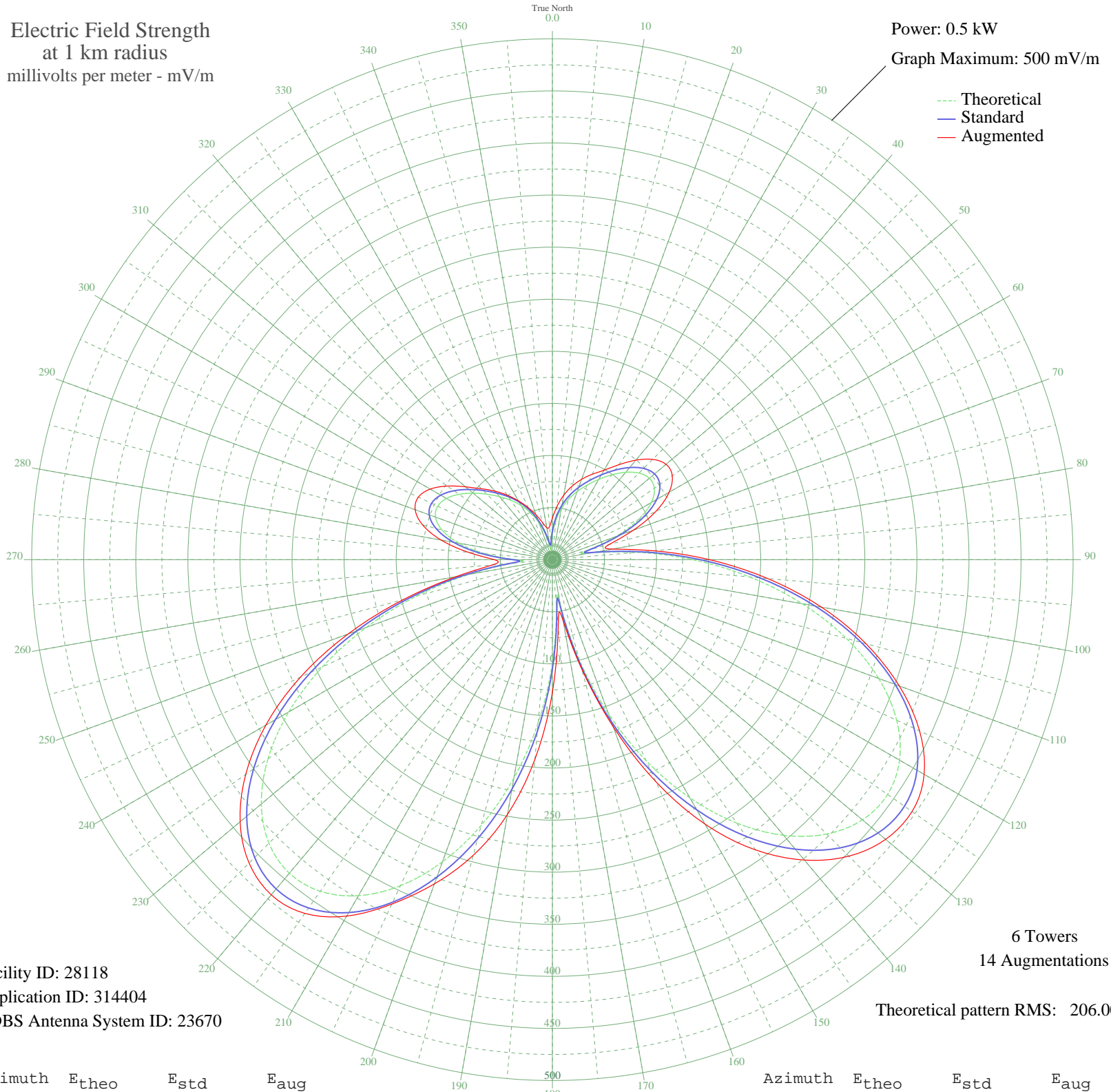


WHIY HUNTSVILLE, AL BL-- 1600 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 28118
Application ID: 314404
CDBS Antenna System ID: 23670

6 Towers
14 Augmentations

Theoretical pattern RMS: 206.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	24.32	27.61	39.94
5	37.66	40.91	51.42
10	49.64	53.17	62.82
15	60.14	64.01	73.02
20	69.66	73.90	82.08
25	79.05	83.66	90.41
30	88.96	94.00	99.18
35	99.40	104.90	111.24
40	109.48	115.43	124.66
45	117.53	123.86	136.14
50	121.54	128.05	142.44
55	119.49	125.90	140.52
60	109.75	115.72	129.46
65	91.39	96.53	109.66
70	64.73	68.77	82.73
75	34.68	37.89	56.61
80	37.31	40.56	58.42
85	81.51	86.22	97.64
90	134.86	142.00	150.90
95	190.16	199.94	207.44
100	243.69	256.09	262.32
105	292.34	307.14	311.75
110	333.44	350.27	354.50
115	364.80	383.19	389.04
120	384.91	404.29	412.17
125	392.90	412.68	421.57
130	388.60	408.16	417.70
135	372.44	391.20	402.52
140	345.37	362.79	376.44
145	308.70	324.31	340.18
150	263.97	277.37	293.15
155	212.87	223.76	235.25
160	157.21	165.40	170.67
165	99.31	104.81	108.22
170	45.84	49.26	59.63
175	45.85	49.27	64.28

Azimuth	E _{theo}	E _{std}	E _{aug}
180	99.33	104.82	127.37
185	157.22	165.42	192.36
190	212.88	223.78	248.34
195	263.98	277.38	293.86
200	308.71	324.32	331.19
205	345.38	362.80	364.82
210	372.45	391.21	395.09
215	388.60	408.17	414.50
220	392.90	412.68	420.01
225	384.91	404.30	411.87
230	364.81	383.19	391.41
235	333.44	350.27	359.50
240	292.35	307.15	317.76
245	243.70	256.10	267.00
250	190.17	199.96	208.93
255	134.88	142.01	148.32
260	81.54	86.25	93.83
265	37.36	40.61	57.67
270	34.71	37.93	55.82
275	64.73	68.77	80.93
280	91.38	96.52	108.55
285	109.72	115.69	129.06
290	119.45	125.86	140.21
295	121.49	127.99	142.02
300	117.46	123.78	135.47
305	109.39	115.34	123.18
310	99.30	104.79	108.76
315	88.84	93.87	96.21
320	78.92	83.53	85.84
325	69.53	73.76	75.51
330	60.01	63.88	65.19
335	49.51	53.04	55.16
340	37.53	40.78	45.67
345	24.21	27.50	37.00
350	11.27	15.82	31.24
355	11.36	15.89	31.68

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission