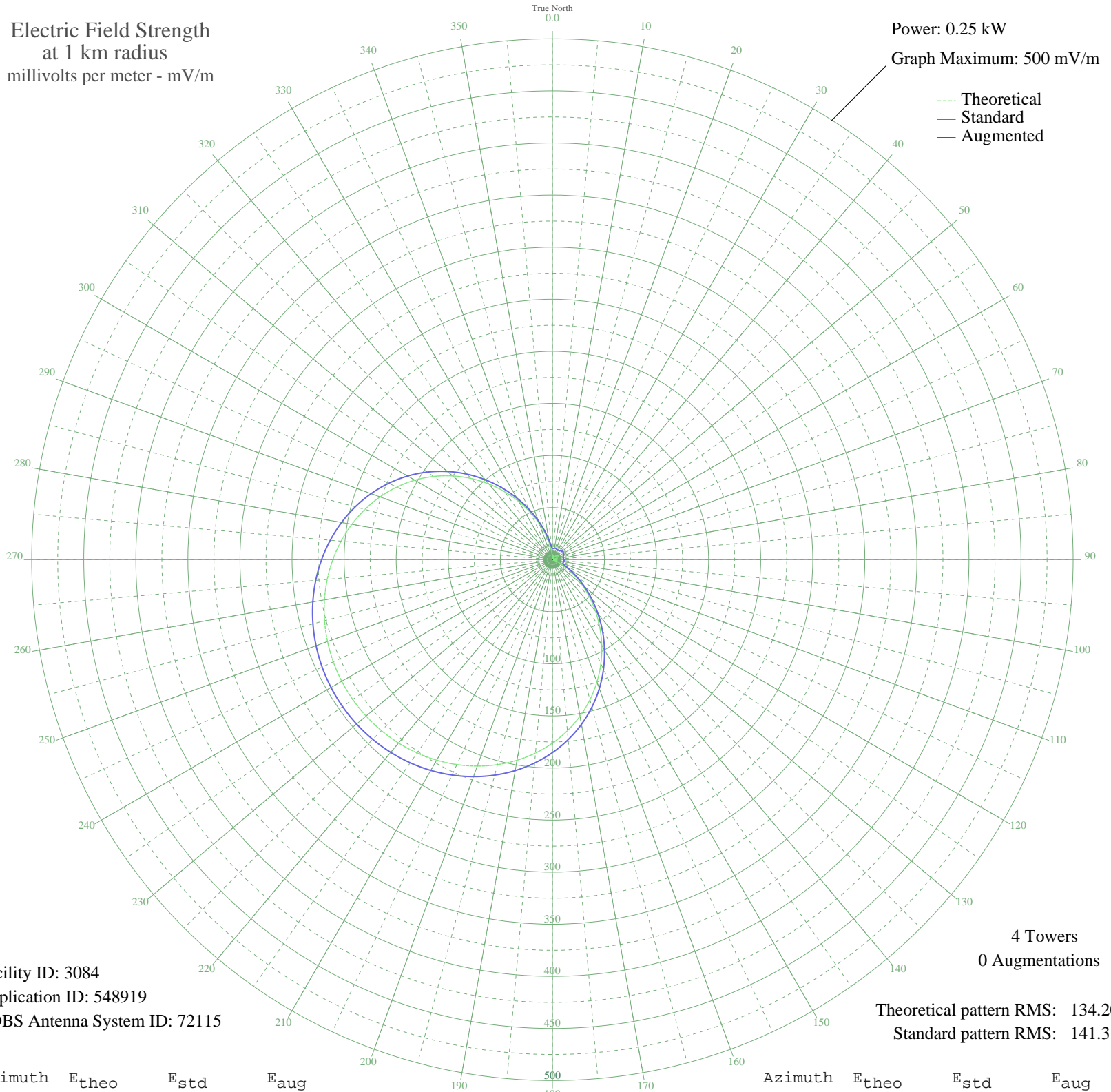


WVNN ATHENS, AL BL-19990603DD 770 kHz

Nighttime

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

Power: 0.25 kW
Graph Maximum: 500 mV/m



Facility ID: 3084
Application ID: 548919
CDBS Antenna System ID: 72115

Theoretical pattern RMS: 134.20
Standard pattern RMS: 141.31

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1.90	10.69	
5	1.88	10.68	
10	3.88	11.26	
15	4.38	11.46	
20	3.70	11.20	
25	2.21	10.75	
30	0.27	10.50	
35	1.87	10.68	
40	3.83	11.24	
45	5.40	11.93	
50	6.41	12.47	
55	6.76	12.67	
60	6.41	12.47	
65	5.40	11.93	
70	3.83	11.24	
75	1.87	10.68	
80	0.27	10.50	
85	2.21	10.75	
90	3.70	11.20	
95	4.38	11.46	
100	3.88	11.26	
105	1.88	10.68	
110	1.90	10.69	
115	7.63	13.21	
120	15.40	19.28	
125	25.17	28.44	
130	36.76	40.00	
135	49.91	53.45	
140	64.24	68.26	
145	79.33	83.96	
150	94.75	100.04	
155	110.10	116.08	
160	125.02	131.69	
165	139.23	146.57	
170	152.55	160.53	
175	164.88	173.44	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	176.15	185.25	
185	186.36	195.96	
190	195.53	205.57	
195	203.68	214.12	
200	210.84	221.63	
205	217.02	228.11	
210	222.23	233.58	
215	226.48	238.04	
220	229.78	241.50	
225	232.14	243.97	
230	233.55	245.45	
235	234.02	245.94	
240	233.55	245.45	
245	232.14	243.97	
250	229.78	241.50	
255	226.48	238.04	
260	222.23	233.58	
265	217.02	228.11	
270	210.84	221.63	
275	203.68	214.12	
280	195.53	205.57	
285	186.36	195.96	
290	176.15	185.25	
295	164.88	173.44	
300	152.55	160.53	
305	139.23	146.57	
310	125.02	131.69	
315	110.10	116.08	
320	94.75	100.04	
325	79.33	83.96	
330	64.24	68.26	
335	49.91	53.45	
340	36.76	40.00	
345	25.17	28.44	
350	15.40	19.28	
355	7.63	13.21	

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