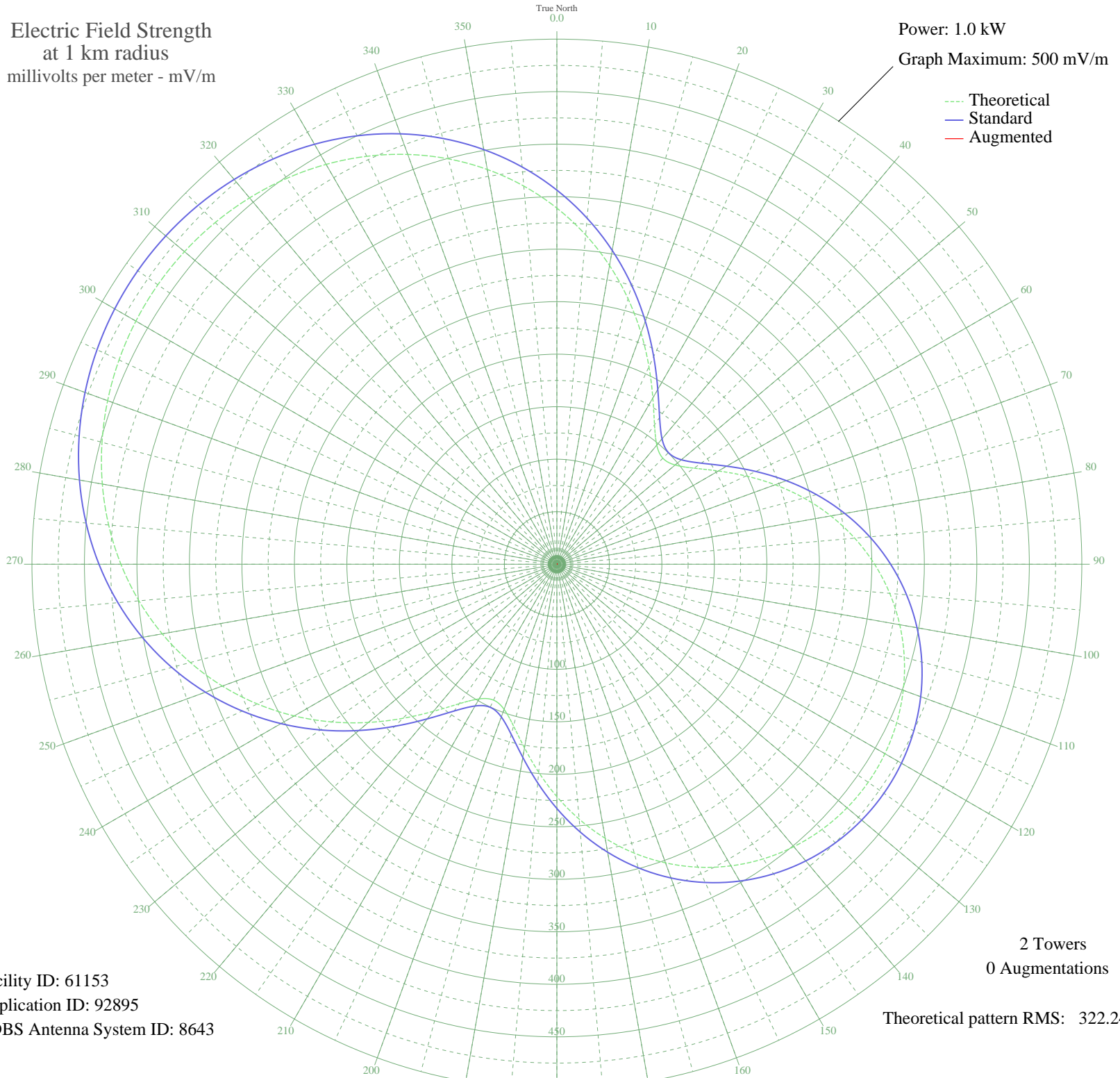


WRNA CHINA GROVE, NC BL-19861002AG 1140 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 500 mV/m



Facility ID: 61153
Application ID: 92895
CDBS Antenna System ID: 8643

2 Towers
0 Augmentations
Theoretical pattern RMS: 322.24

Azimuth	E _{theo}	E _{std}	E _{aug}
0	339.11	356.23	
5	314.78	330.70	
10	288.84	303.48	
15	261.79	275.10	
20	234.34	246.30	
25	207.52	218.17	
30	182.79	192.24	
35	162.14	170.60	
40	148.05	155.83	
45	142.74	150.28	
50	147.00	154.73	
55	159.46	167.79	
60	177.58	186.77	
65	198.82	209.05	
70	221.27	232.59	
75	243.62	256.04	
80	264.98	278.44	
85	284.77	299.20	
90	302.61	317.93	
95	318.27	334.36	
100	331.61	348.36	
105	342.55	359.85	
110	351.07	368.79	
115	357.15	375.16	
120	360.79	378.99	
125	362.00	380.26	
130	360.79	378.99	
135	357.15	375.16	
140	351.07	368.79	
145	342.55	359.85	
150	331.61	348.36	
155	318.27	334.36	
160	302.61	317.93	
165	284.77	299.20	
170	264.98	278.44	
175	243.62	256.04	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	221.27	232.59	
185	198.82	209.05	
190	177.58	186.77	
195	159.46	167.79	
200	147.00	154.73	
205	142.74	150.28	
210	148.05	155.83	
215	162.14	170.60	
220	182.79	192.24	
225	207.52	218.17	
230	234.34	246.30	
235	261.79	275.10	
240	288.84	303.48	
245	314.78	330.70	
250	339.11	356.23	
255	361.48	379.71	
260	381.69	400.92	
265	399.62	419.74	
270	415.24	436.14	
275	428.56	450.12	
280	439.64	461.75	
285	448.55	471.10	
290	455.37	478.26	
295	460.17	483.31	
300	463.03	486.31	
305	463.98	487.30	
310	463.03	486.31	
315	460.17	483.31	
320	455.37	478.26	
325	448.55	471.10	
330	439.64	461.75	
335	428.56	450.12	
340	415.24	436.14	
345	399.62	419.74	
350	381.69	400.92	
355	361.48	379.71	

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