

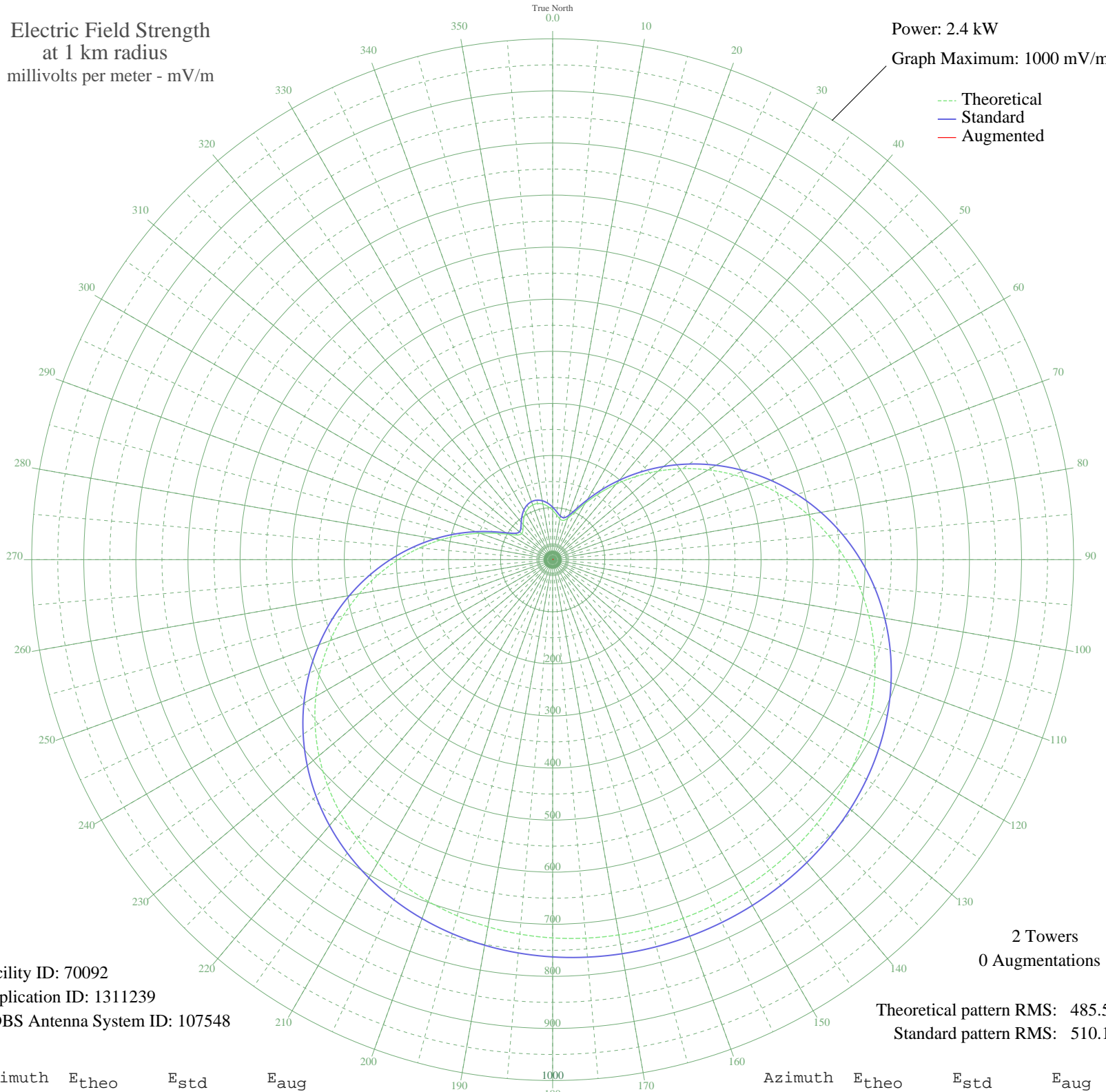
WOGR CHARLOTTE, NC BL-20090406AMP 1540 kHz

Daytime

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

Power: 2.4 kW

Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 70092
Application ID: 1311239
CDBS Antenna System ID: 107548

2 Towers
0 Augmentations

Theoretical pattern RMS: 485.57
Standard pattern RMS: 510.11

Azimuth	E _{theo}	E _{std}	E _{aug}
0	94.77	100.83	
5	86.35	92.11	
10	79.56	85.10	
15	77.87	83.37	
20	84.69	90.40	
25	100.94	107.23	
30	125.07	132.32	
35	154.95	163.51	
40	188.93	199.05	
45	225.79	237.63	
50	264.56	278.27	
55	304.46	320.09	
60	344.76	362.36	
65	384.82	404.38	
70	424.02	445.52	
75	461.84	485.20	
80	497.79	522.93	
85	531.48	558.29	
90	562.59	590.94	
95	590.90	620.66	
100	616.28	647.30	
105	638.69	670.82	
110	658.15	691.25	
115	674.79	708.72	
120	688.77	723.40	
125	700.31	735.51	
130	709.65	745.31	
135	717.04	753.06	
140	722.73	759.04	
145	726.95	763.47	
150	729.91	766.58	
155	731.76	768.52	
160	732.62	769.42	
165	732.52	769.32	
170	731.48	768.22	
175	729.41	766.06	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	726.21	762.70	
185	721.71	757.97	
190	715.70	751.66	
195	707.95	743.52	
200	698.19	733.28	
205	686.18	720.67	
210	671.68	705.46	
215	654.49	687.41	
220	634.44	666.36	
225	611.44	642.22	
230	585.47	614.96	
235	556.58	584.64	
240	524.94	551.42	
245	490.77	515.56	
250	454.41	477.41	
255	416.28	437.39	
260	376.85	396.03	
265	336.70	353.91	
270	296.42	311.67	
275	256.69	270.02	
280	218.23	229.72	
285	181.87	191.66	
290	148.60	156.88	
295	119.72	126.75	
300	96.99	103.13	
305	82.55	88.19	
310	77.61	83.10	
315	80.63	86.21	
320	88.00	93.82	
325	96.43	102.55	
330	103.86	110.26	
335	109.18	115.79	
340	111.81	118.52	
345	111.51	118.21	
350	108.32	114.89	
355	102.52	108.87	

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