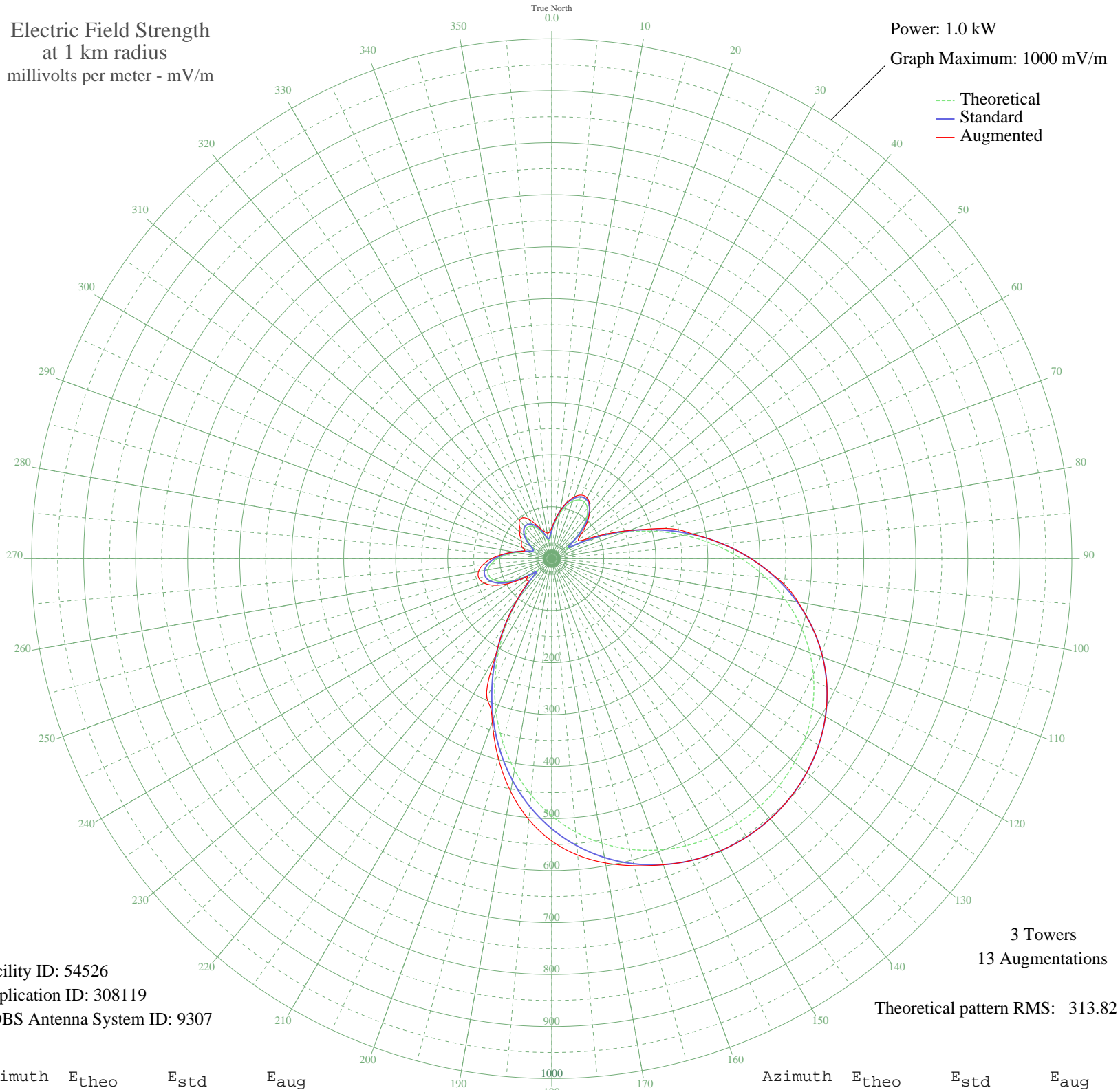


# WGOW CHATTANOOGA, TN BL-- 1150 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 54526  
Application ID: 308119  
CDBS Antenna System ID: 9307

3 Towers  
13 Augmentations  
Theoretical pattern RMS: 313.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	51.37	55.27	59.65
5	69.30	73.76	74.56
10	87.75	92.93	92.97
15	104.28	110.15	111.41
20	117.05	123.49	126.36
25	124.55	131.34	134.92
30	125.57	132.40	135.36
35	119.21	125.75	127.21
40	105.04	110.95	112.80
45	83.36	88.36	94.83
50	56.23	60.26	75.00
55	35.01	38.69	62.17
60	53.01	56.96	73.20
65	97.07	102.64	109.07
70	148.79	156.70	158.34
75	203.51	214.03	224.23
80	258.86	272.07	274.19
85	313.08	328.96	328.96
90	364.74	383.16	383.16
95	412.71	433.51	435.65
100	456.20	479.16	481.09
105	494.69	519.56	519.56
110	527.92	554.44	554.44
115	555.85	583.77	583.77
120	578.60	607.65	607.65
125	596.38	626.31	626.31
130	609.42	640.01	640.01
135	617.97	648.98	648.98
140	622.19	653.41	653.41
145	622.19	653.41	653.41
150	617.97	648.98	648.98
155	609.42	640.01	640.01
160	596.38	626.31	626.60
165	578.60	607.65	611.58
170	555.85	583.77	594.42
175	527.92	554.44	572.52

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	494.69	519.56	543.07
185	456.20	479.16	504.02
190	412.71	433.51	454.87
195	364.74	383.16	397.10
200	313.08	328.96	334.31
205	258.86	272.07	295.20
210	203.51	214.03	216.03
215	148.79	156.70	156.70
220	97.07	102.64	103.31
225	53.02	56.96	64.77
230	35.01	38.69	64.21
235	56.23	60.26	63.41
240	83.36	88.36	95.32
245	105.04	110.95	121.06
250	119.21	125.75	137.88
255	125.57	132.40	145.09
260	124.55	131.34	142.99
265	117.05	123.49	132.65
270	104.28	110.15	115.81
275	87.75	92.93	95.00
280	69.30	73.76	73.78
285	51.37	55.27	55.81
290	38.01	41.69	58.03
295	35.04	38.72	64.50
300	42.52	46.25	67.31
305	53.68	57.64	74.03
310	64.01	68.28	79.87
315	71.57	76.11	87.27
320	75.52	80.20	96.18
325	75.52	80.20	96.18
330	71.57	76.11	87.20
335	64.01	68.28	72.46
340	53.68	57.64	60.44
345	42.52	46.25	53.78
350	35.04	38.72	49.97
355	38.01	41.69	51.24