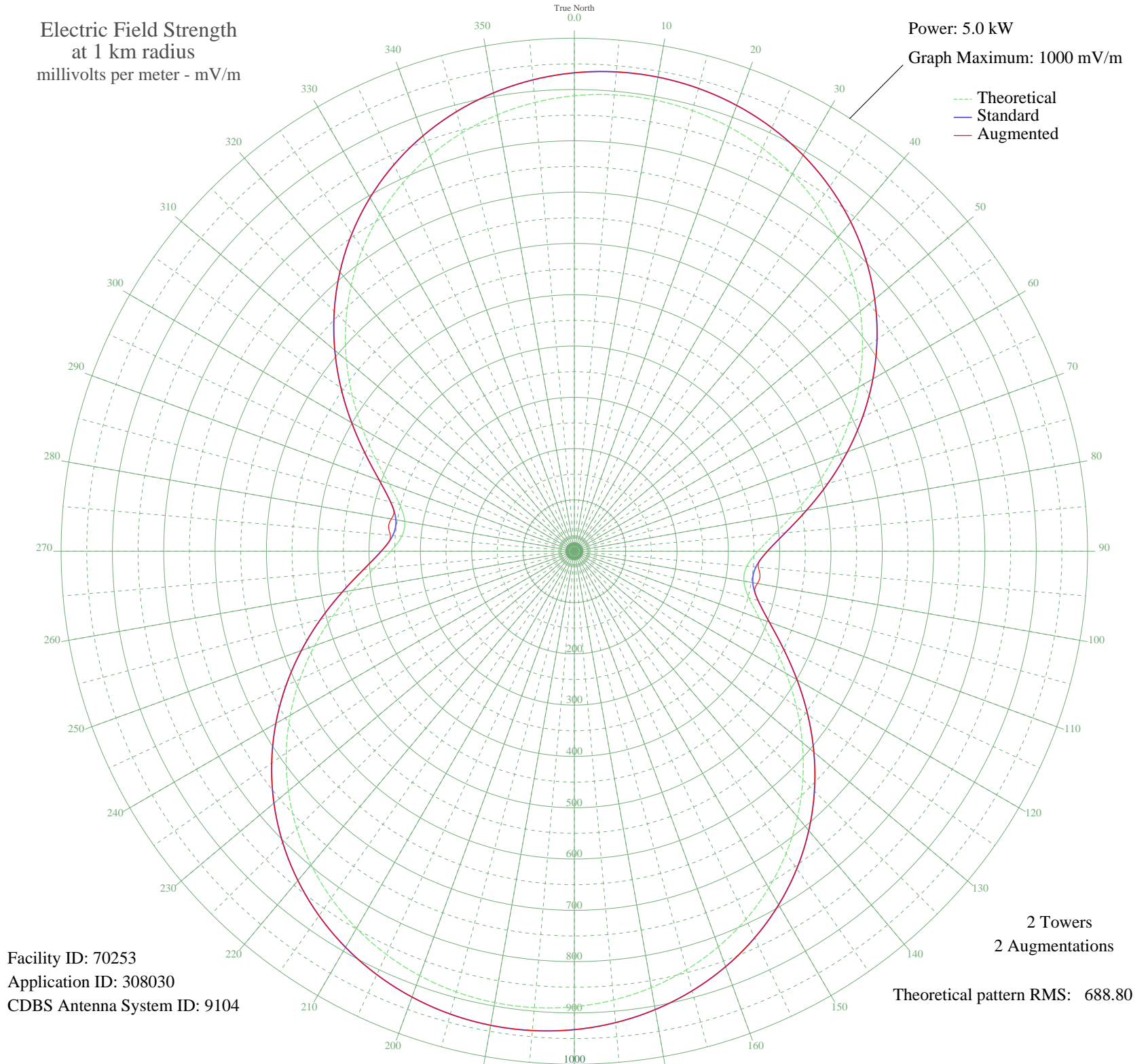


# WGGH MARION, IL BL-- 1150 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 70253  
Application ID: 308030  
CDBS Antenna System ID: 9104

2 Towers  
2 Augmentations  
Theoretical pattern RMS: 688.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	887.92	932.61	932.61
5	892.99	937.93	937.93
10	893.45	938.41	938.41
15	889.30	934.06	934.06
20	880.52	924.84	924.84
25	867.04	910.70	910.70
30	848.79	891.54	891.54
35	825.71	867.31	867.31
40	797.74	837.95	837.95
45	764.91	803.49	803.49
50	727.34	764.07	764.07
55	685.30	719.95	719.95
60	639.26	671.64	671.64
65	589.98	619.93	619.93
70	538.60	566.02	566.02
75	486.78	511.66	511.66
80	436.92	459.37	459.37
85	392.38	412.67	412.67
90	357.57	376.18	376.18
95	337.36	355.01	359.84
100	335.45	353.00	362.14
105	352.21	370.56	370.56
110	384.48	404.39	404.39
115	427.46	449.45	449.45
120	476.56	500.94	500.94
125	528.21	555.11	555.11
130	579.83	609.27	609.27
135	629.64	661.53	661.53
140	676.39	710.60	710.60
145	719.28	755.60	755.60
150	757.77	796.00	796.00
155	791.56	831.47	831.47
160	820.50	861.85	861.85
165	844.56	887.10	887.10
170	863.78	907.27	907.27
175	878.20	922.41	922.41

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	887.92	932.61	932.61
185	892.99	937.93	937.93
190	893.45	938.41	938.41
195	889.30	934.06	934.06
200	880.52	924.84	924.84
205	867.04	910.70	910.70
210	848.79	891.54	891.54
215	825.71	867.31	867.31
220	797.74	837.95	837.95
225	764.91	803.49	803.49
230	727.34	764.07	764.07
235	685.30	719.95	719.95
240	639.26	671.64	671.64
245	589.98	619.93	619.93
250	538.60	566.02	566.02
255	486.78	511.66	511.66
260	436.92	459.37	459.37
265	392.38	412.67	412.67
270	357.57	376.18	376.18
275	337.36	355.01	359.84
280	335.45	353.00	362.14
285	352.21	370.56	370.56
290	384.48	404.39	404.39
295	427.46	449.45	449.45
300	476.56	500.94	500.94
305	528.21	555.11	555.11
310	579.83	609.27	609.27
315	629.64	661.53	661.53
320	676.39	710.60	710.60
325	719.28	755.60	755.60
330	757.77	796.00	796.00
335	791.56	831.47	831.47
340	820.50	861.85	861.85
345	844.56	887.10	887.10
350	863.78	907.27	907.27
355	878.20	922.41	922.41

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