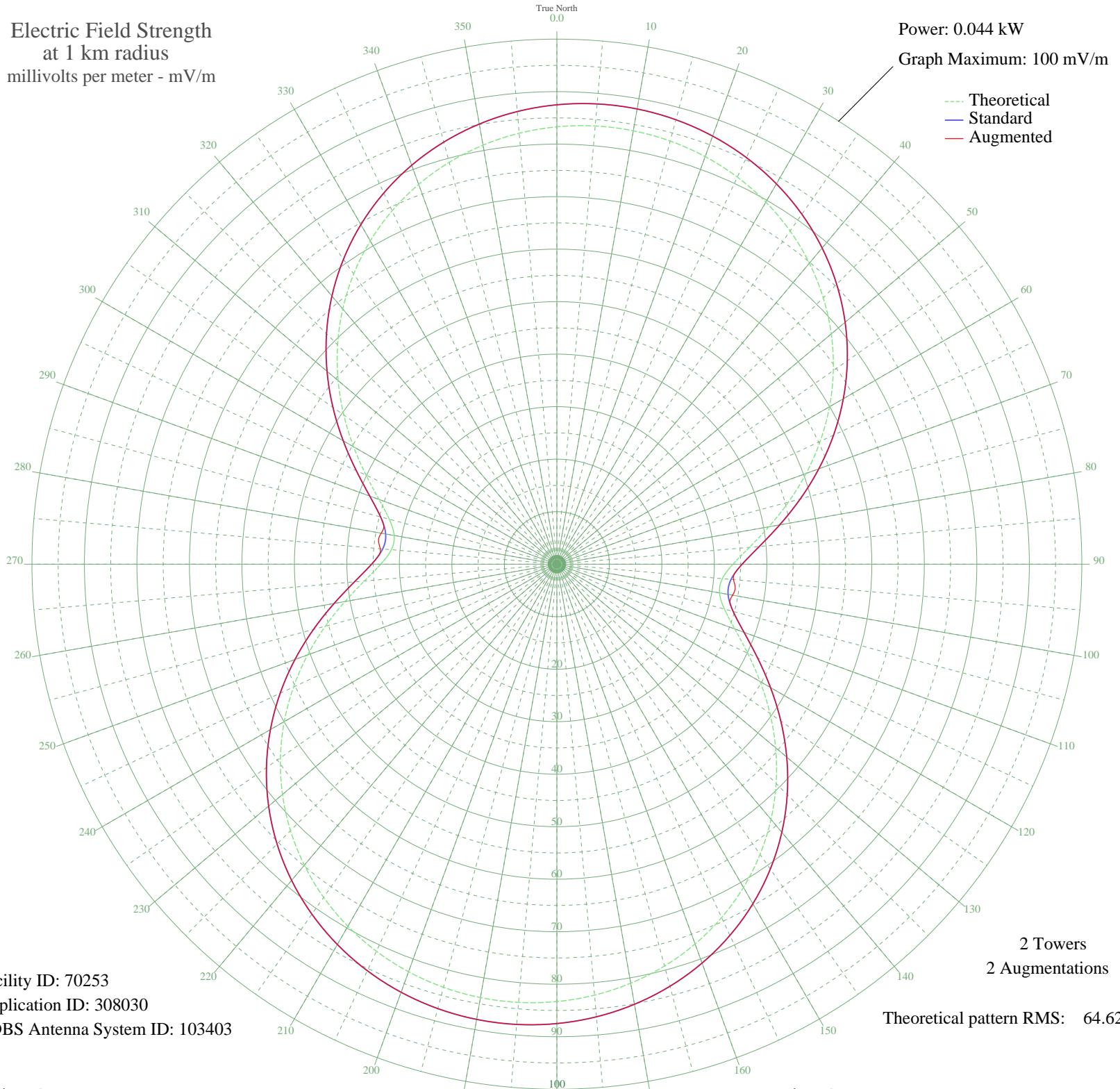


# WGGH MARION, IL BL-- 1150 kHz

Nighttime

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

Power: 0.044 kW  
Graph Maximum: 100 mV/m



Facility ID: 70253  
Application ID: 308030  
CDBS Antenna System ID: 103403

2 Towers  
2 Augmentations

Theoretical pattern RMS: 64.62

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	83.30	87.49	87.49
5	83.78	87.99	87.99
10	83.82	88.04	88.04
15	83.43	87.63	87.63
20	82.61	86.76	86.76
25	81.34	85.44	85.44
30	79.63	83.64	83.64
35	77.46	81.37	81.37
40	74.84	78.61	78.61
45	71.76	75.38	75.38
50	68.24	71.68	71.68
55	64.29	67.54	67.54
60	59.97	63.01	63.01
65	55.35	58.16	58.16
70	50.53	53.10	53.10
75	45.67	48.00	48.00
80	40.99	43.10	43.10
85	36.81	38.71	38.71
90	33.55	35.29	35.29
95	31.65	33.31	33.77
100	31.47	33.12	33.99
105	33.04	34.76	34.76
110	36.07	37.94	37.94
115	40.10	42.16	42.16
120	44.71	47.00	47.00
125	49.55	52.08	52.08
130	54.40	57.16	57.16
135	59.07	62.06	62.06
140	63.46	66.67	66.67
145	67.48	70.89	70.89
150	71.09	74.68	74.68
155	74.26	78.00	78.00
160	76.98	80.85	80.85
165	79.23	83.22	83.22
170	81.04	85.12	85.12
175	82.39	86.54	86.54

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	83.30	87.49	87.49
185	83.78	87.99	87.99
190	83.82	88.04	88.04
195	83.43	87.63	87.63
200	82.61	86.76	86.76
205	81.34	85.44	85.44
210	79.63	83.64	83.64
215	77.46	81.37	81.37
220	74.84	78.61	78.61
225	71.76	75.38	75.38
230	68.24	71.68	71.68
235	64.29	67.54	67.54
240	59.97	63.01	63.01
245	55.35	58.16	58.16
250	50.53	53.10	53.10
255	45.67	48.00	48.00
260	40.99	43.10	43.10
265	36.81	38.71	38.71
270	33.55	35.29	35.29
275	31.65	33.31	33.77
280	31.47	33.12	33.99
285	33.04	34.76	34.76
290	36.07	37.94	37.94
295	40.10	42.16	42.16
300	44.71	47.00	47.00
305	49.55	52.08	52.08
310	54.40	57.16	57.16
315	59.07	62.06	62.06
320	63.46	66.67	66.67
325	67.48	70.89	70.89
330	71.09	74.68	74.68
335	74.26	78.00	78.00
340	76.98	80.85	80.85
345	79.23	83.22	83.22
350	81.04	85.12	85.12
355	82.39	86.54	86.54

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