

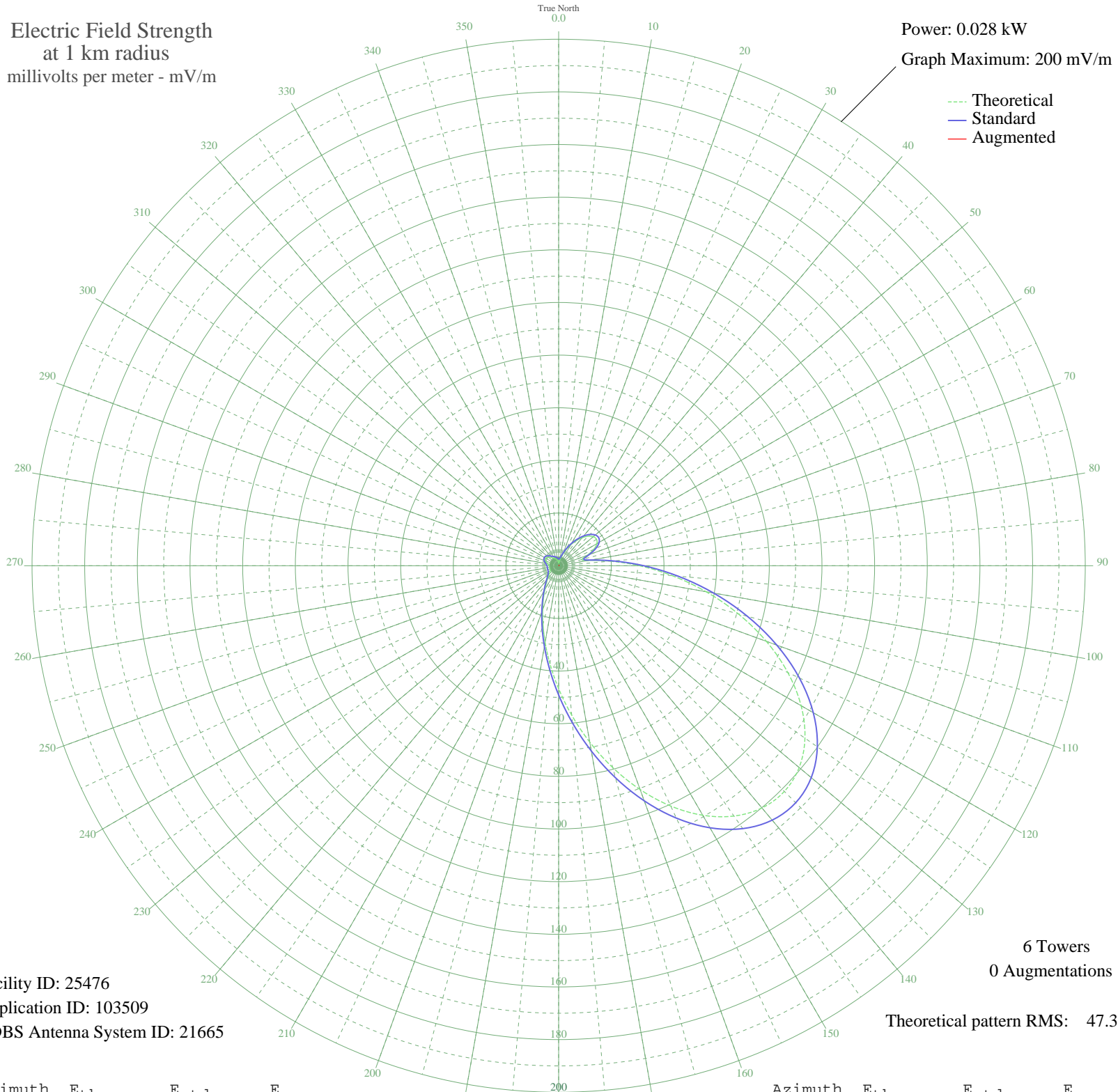
WRGM ONTARIO, OH BL-19870709AD 1440 kHz

Nighttime

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

Power: 0.028 kW  
Graph Maximum: 200 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 25476  
Application ID: 103509  
CDBS Antenna System ID: 21665

6 Towers  
0 Augmentations  
Theoretical pattern RMS: 47.39

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1.04	2.57	
5	1.04	2.57	
10	1.76	2.97	
15	3.02	3.93	
20	4.71	5.47	
25	6.77	7.48	
30	9.10	9.83	
35	11.54	12.34	
40	13.87	14.75	
45	15.84	16.79	
50	17.16	18.17	
55	17.55	18.57	
60	16.76	17.75	
65	14.67	15.58	
70	11.54	12.33	
75	9.04	9.78	
80	11.65	12.45	
85	19.73	20.85	
90	30.69	32.31	
95	43.32	45.54	
100	56.86	59.75	
105	70.64	74.21	
110	83.94	88.17	
115	96.05	100.88	
120	106.33	111.67	
125	114.20	119.93	
130	119.25	125.23	
135	121.24	127.32	
140	120.13	126.16	
145	116.08	121.91	
150	109.45	114.94	
155	100.72	105.78	
160	90.48	95.04	
165	79.38	83.39	
170	68.03	71.47	
175	56.99	59.89	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	46.71	49.10	
185	37.50	39.45	
190	29.58	31.14	
195	22.99	24.25	
200	17.70	18.73	
205	13.58	14.45	
210	10.47	11.23	
215	8.17	8.88	
220	6.50	7.21	
225	5.33	6.06	
230	4.52	5.29	
235	4.01	4.81	
240	3.72	4.54	
245	3.58	4.42	
250	3.54	4.39	
255	3.53	4.37	
260	3.51	4.36	
265	3.51	4.36	
270	3.59	4.43	
275	3.82	4.63	
280	4.20	4.99	
285	4.69	5.44	
290	5.15	5.89	
295	5.48	6.20	
300	5.58	6.31	
305	5.44	6.17	
310	5.07	5.81	
315	4.56	5.32	
320	4.01	4.81	
325	3.53	4.38	
330	3.18	4.07	
335	2.91	3.84	
340	2.65	3.63	
345	2.33	3.37	
350	1.92	3.08	
355	1.46	2.78	