

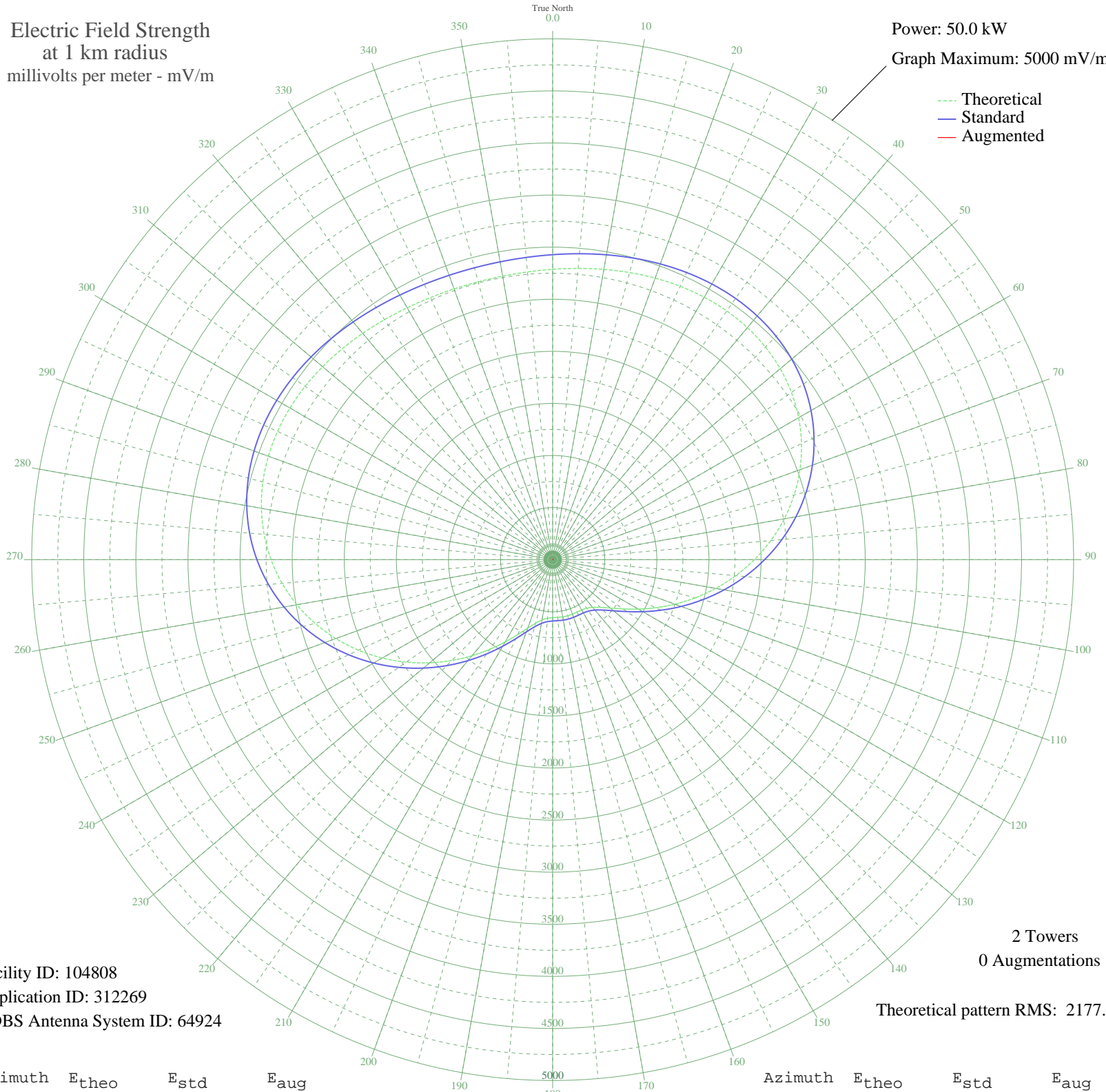
# CIWW OTTAWA, ON Canada -- 1310 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 104808  
Application ID: 312269  
CDBS Antenna System ID: 64924

2 Towers  
0 Augmentations

Theoretical pattern RMS: 2177.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2787.38	2927.69	
5	2806.77	2948.04	
10	2829.37	2971.77	
15	2853.28	2996.87	
20	2876.28	3021.00	
25	2895.87	3041.57	
30	2909.43	3055.80	
35	2914.26	3060.87	
40	2907.74	3054.03	
45	2887.48	3032.76	
50	2851.39	2994.88	
55	2797.88	2938.71	
60	2725.91	2863.17	
65	2635.11	2767.86	
70	2525.84	2653.18	
75	2399.18	2520.24	
80	2256.93	2370.94	
85	2101.55	2207.87	
90	1936.07	2034.23	
95	1764.00	1853.69	
100	1589.24	1670.35	
105	1415.91	1488.56	
110	1248.33	1312.85	
115	1090.94	1147.89	
120	948.20	998.38	
125	824.46	868.86	
130	723.53	763.33	
135	647.93	684.37	
140	597.66	631.92	
145	569.51	602.58	
150	557.58	590.14	
155	555.10	587.57	
160	556.29	588.80	
165	557.32	589.88	
170	556.70	589.23	
175	555.27	587.74	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	556.21	588.72	
185	564.83	597.70	
190	587.77	621.61	
195	631.38	667.09	
200	699.76	738.49	
205	793.76	836.75	
210	911.46	959.91	
215	1049.31	1104.27	
220	1203.05	1265.38	
225	1368.22	1438.55	
230	1540.38	1619.10	
235	1715.17	1802.46	
240	1888.39	1984.20	
245	2056.09	2160.17	
250	2214.63	2326.54	
255	2360.83	2479.98	
260	2492.07	2617.72	
265	2606.35	2737.67	
270	2702.38	2838.47	
275	2779.61	2919.54	
280	2838.22	2981.06	
285	2879.05	3023.91	
290	2903.55	3049.63	
295	2913.68	3060.27	
300	2911.77	3058.26	
305	2900.39	3046.31	
310	2882.22	3027.24	
315	2859.92	3003.83	
320	2836.02	2978.75	
325	2812.85	2954.42	
330	2792.39	2932.95	
335	2776.27	2916.03	
340	2765.71	2904.95	
345	2761.48	2900.50	
350	2763.87	2903.01	
355	2772.71	2912.29	

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