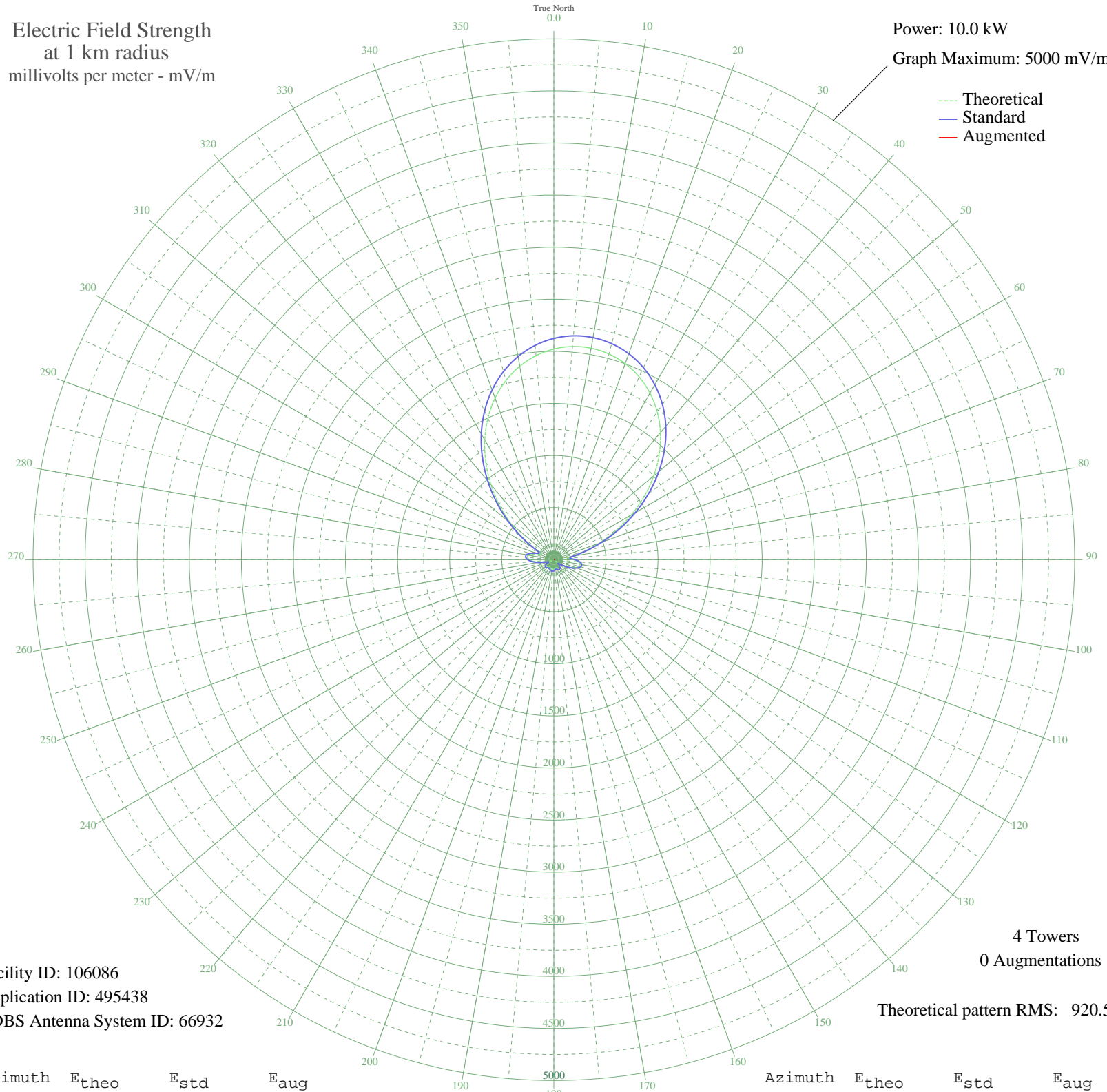


# CFRA OTTAWA, ON Canada -- 580 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 106086  
Application ID: 495438  
CDBS Antenna System ID: 66932

4 Towers  
0 Augmentations

Theoretical pattern RMS: 920.55

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2022.23	2123.81	
5	2053.90	2157.05	
10	2061.19	2164.71	
15	2044.16	2146.84	
20	2002.71	2103.32	
25	1936.65	2033.97	
30	1845.90	1938.71	
35	1730.72	1817.80	
40	1591.98	1672.17	
45	1431.53	1503.77	
50	1252.48	1315.87	
55	1059.40	1113.26	
60	858.40	902.43	
65	657.24	691.55	
70	465.36	490.67	
75	295.31	313.27	
80	170.71	184.72	
85	141.63	155.27	
90	188.77	203.17	
95	234.85	250.60	
100	255.92	272.40	
105	249.59	265.85	
110	219.82	235.08	
115	173.24	187.30	
120	117.67	131.37	
125	61.40	78.42	
130	20.47	49.55	
135	43.33	63.74	
140	72.29	88.06	
145	89.45	103.99	
150	94.96	109.24	
155	91.65	106.08	
160	84.13	98.98	
165	78.11	93.38	
170	78.09	93.36	
175	84.07	98.92	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	92.13	106.54	
185	98.16	112.32	
190	99.70	113.80	
195	96.19	110.43	
200	88.95	103.52	
205	81.17	96.21	
210	77.26	92.59	
215	79.98	95.11	
220	87.29	101.95	
225	93.77	108.11	
230	94.02	108.34	
235	84.07	98.92	
240	61.97	78.91	
245	30.01	54.64	
250	32.16	55.98	
255	83.41	98.31	
260	140.46	154.09	
265	193.40	207.92	
270	234.15	249.88	
275	255.24	271.70	
280	250.85	267.15	
285	218.88	234.12	
290	167.06	181.00	
295	139.27	152.90	
300	212.45	227.49	
305	359.65	380.26	
310	540.30	569.07	
315	737.17	775.31	
320	939.29	987.27	
325	1137.96	1195.69	
330	1326.08	1393.10	
335	1498.15	1573.69	
340	1650.21	1733.29	
345	1779.69	1869.21	
350	1885.16	1979.92	
355	1966.04	2064.82	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission