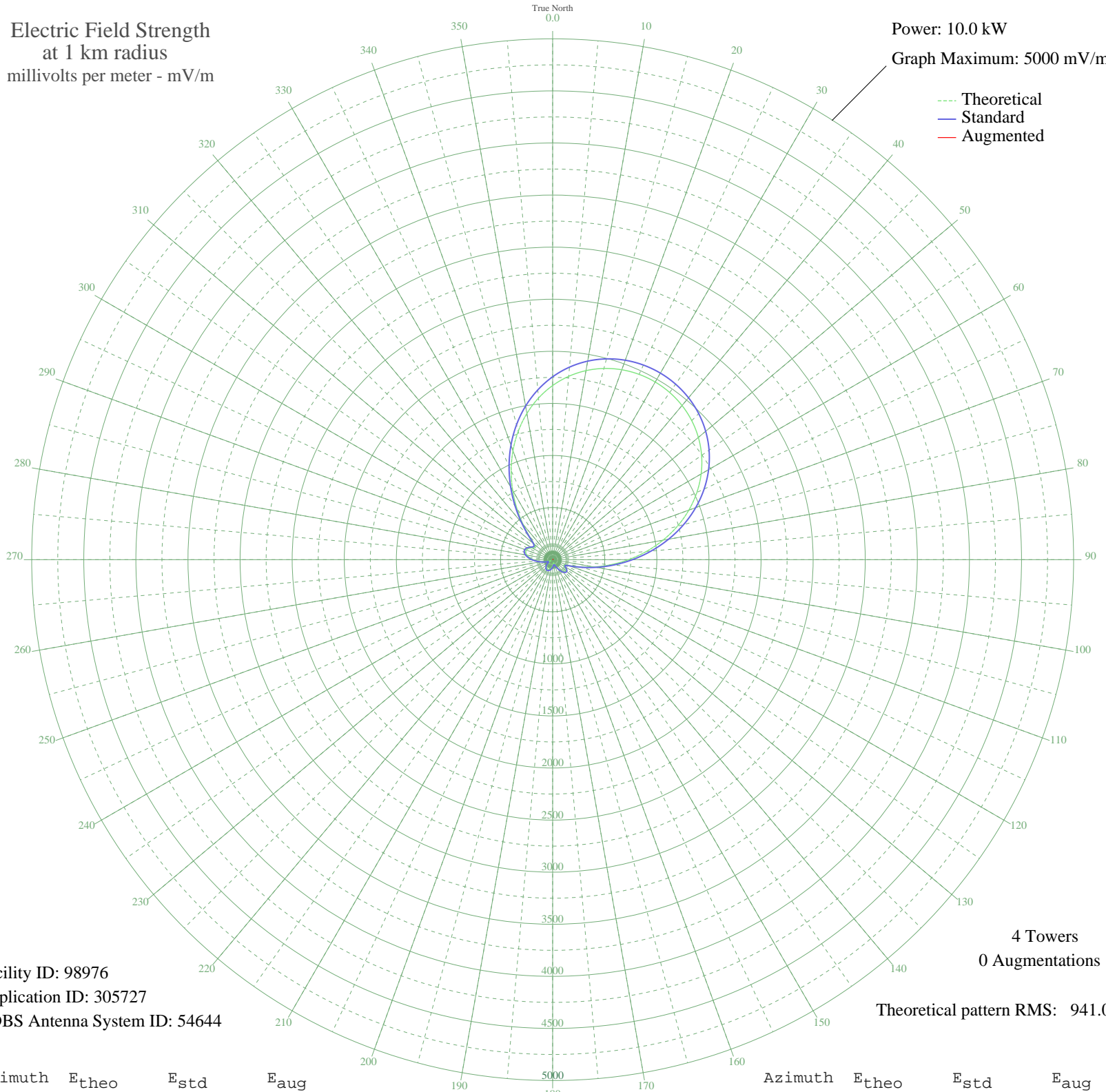


# CFAM ALTONA, MB Canada -- 950 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 98976  
Application ID: 305727  
CDBS Antenna System ID: 54644

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 941.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1671.60	1755.56	
5	1766.62	1855.31	
10	1842.65	1935.13	
15	1900.23	1995.57	
20	1940.07	2037.40	
25	1962.86	2061.33	
30	1969.06	2067.83	
35	1958.79	2057.05	
40	1931.84	2028.76	
45	1887.69	1982.41	
50	1825.67	1917.30	
55	1745.09	1832.71	
60	1645.57	1728.23	
65	1527.26	1604.03	
70	1391.14	1461.15	
75	1239.29	1301.77	
80	1075.03	1129.37	
85	902.95	948.79	
90	728.84	766.15	
95	559.49	588.59	
100	402.50	424.19	
105	266.74	282.43	
110	165.12	177.15	
115	119.58	130.72	
120	130.21	141.47	
125	153.42	165.14	
130	165.18	177.21	
135	161.42	173.35	
140	144.52	156.04	
145	118.88	130.01	
150	89.34	100.61	
155	60.62	73.31	
160	37.90	53.90	
165	29.04	47.45	
170	35.94	52.40	
175	48.07	62.21	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	60.48	73.18	
185	72.37	84.23	
190	83.43	94.84	
195	93.03	104.23	
200	100.24	111.36	
205	104.11	115.20	
210	103.90	115.00	
215	99.26	110.38	
220	90.20	101.45	
225	77.12	88.76	
230	60.68	73.35	
235	41.88	57.06	
240	23.59	43.99	
245	21.98	43.07	
250	44.75	59.41	
255	75.54	87.26	
260	110.66	121.74	
265	148.49	160.09	
270	186.74	199.42	
275	222.09	236.01	
280	250.37	265.39	
285	267.18	282.88	
290	268.83	284.61	
295	254.08	269.25	
300	227.54	241.66	
305	207.26	220.63	
310	228.75	242.92	
315	311.73	329.33	
320	440.90	464.37	
325	597.13	628.04	
330	767.35	806.54	
335	942.03	989.80	
340	1113.62	1169.87	
345	1276.14	1340.44	
350	1425.13	1496.83	
355	1557.54	1635.82	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission