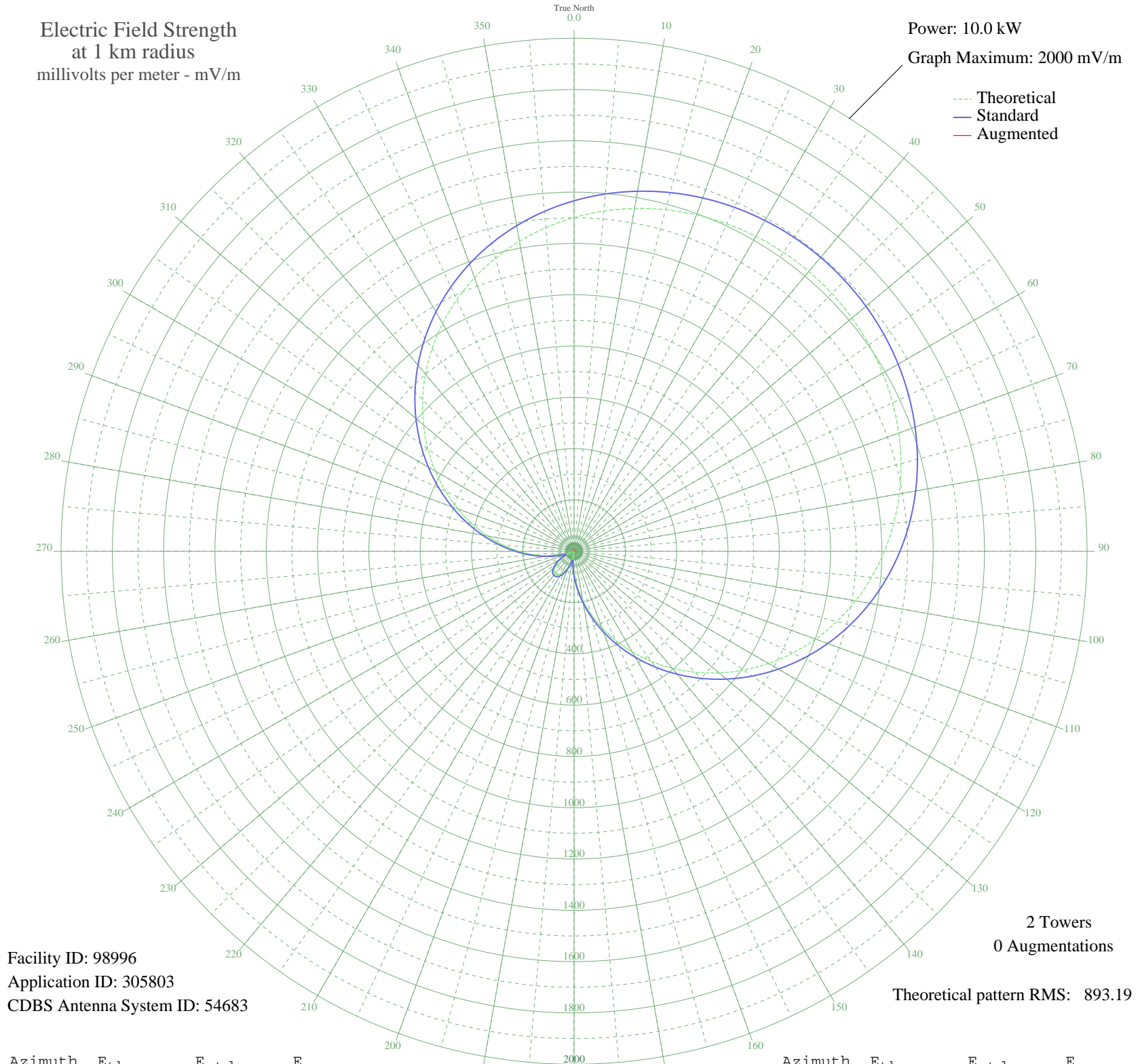


# CBZ FREDERICTON, NB Canada -- 970 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 98996  
Application ID: 305803  
CDBS Antenna System ID: 54683

2 Towers  
0 Augmentations

Theoretical pattern RMS: 893.19

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1300.82	1366.26	
5	1331.04	1397.99	
10	1356.81	1425.04	
15	1378.24	1447.53	
20	1395.43	1465.58	
25	1408.49	1479.29	
30	1417.53	1488.77	
35	1422.61	1494.11	
40	1423.78	1495.34	
45	1421.05	1492.47	
50	1414.39	1485.48	
55	1403.75	1474.32	
60	1389.05	1458.88	
65	1370.18	1439.07	
70	1347.03	1414.77	
75	1319.49	1385.86	
80	1287.47	1352.25	
85	1250.90	1313.87	
90	1209.78	1270.70	
95	1164.13	1222.79	
100	1114.09	1170.26	
105	1059.82	1113.31	
110	1001.61	1052.22	
115	939.82	987.37	
120	874.89	919.24	
125	807.35	848.37	
130	737.79	775.40	
135	666.88	701.01	
140	595.30	625.95	
145	523.80	551.00	
150	453.12	476.93	
155	383.99	404.56	
160	317.14	334.65	
165	253.26	267.99	
170	192.98	205.33	
175	136.90	147.53	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	85.54	95.76	
185	39.38	53.03	
190	1.20	33.23	
195	35.85	50.19	
200	64.30	75.24	
205	86.34	96.55	
210	101.80	111.93	
215	110.58	120.76	
220	112.61	122.81	
225	107.87	118.03	
230	96.41	106.54	
235	78.31	88.67	
240	53.68	65.42	
245	22.72	40.88	
250	14.34	36.46	
255	57.20	68.62	
260	105.49	115.63	
265	158.79	170.01	
270	216.62	229.86	
275	278.41	294.21	
280	343.56	362.27	
285	411.41	433.26	
290	481.25	506.40	
295	552.35	580.92	
300	623.97	656.01	
305	695.36	730.89	
310	765.82	804.80	
315	834.65	877.01	
320	901.21	946.85	
325	964.94	1013.73	
330	1025.35	1077.13	
335	1082.02	1136.60	
340	1134.62	1191.82	
345	1182.93	1242.52	
350	1226.77	1288.54	
355	1266.08	1329.79	

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