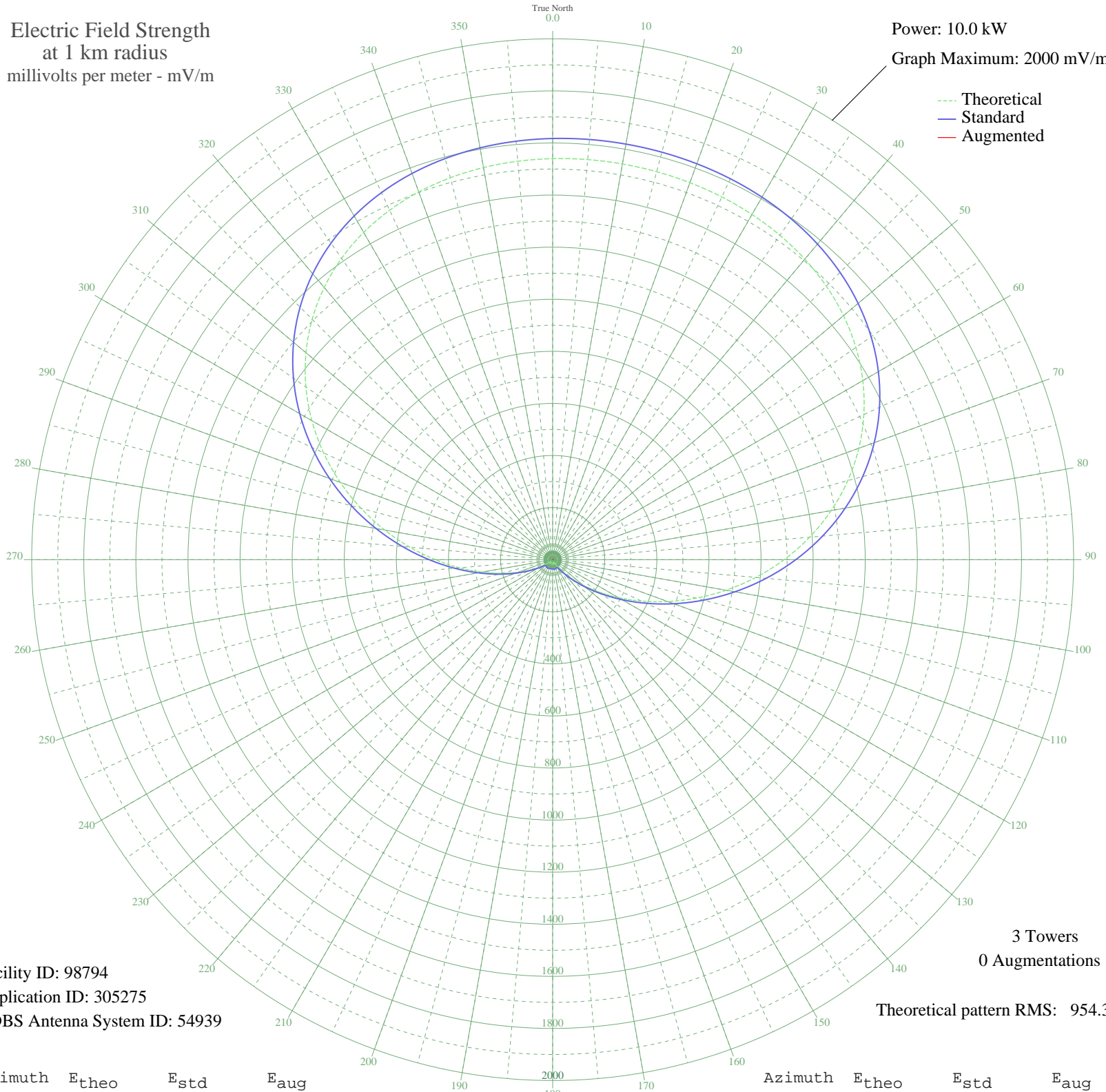


CHFA EDMONTON, AB Canada -- 680 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 98794
Application ID: 305275
CDBS Antenna System ID: 54939

3 Towers
0 Augmentations

Theoretical pattern RMS: 954.34

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1539.90	1617.23	
5	1542.09	1619.54	
10	1542.84	1620.33	
15	1542.35	1619.80	
20	1540.47	1617.83	
25	1536.77	1613.95	
30	1530.52	1607.39	
35	1520.72	1597.10	
40	1506.18	1581.84	
45	1485.60	1560.24	
50	1457.65	1530.89	
55	1421.07	1492.49	
60	1374.82	1443.95	
65	1318.18	1384.49	
70	1250.87	1313.84	
75	1173.13	1232.24	
80	1085.79	1140.57	
85	990.26	1040.30	
90	888.47	933.49	
95	782.84	822.65	
100	676.03	710.60	
105	570.85	600.31	
110	470.04	494.65	
115	376.06	396.26	
120	290.97	307.31	
125	216.27	229.50	
130	152.88	163.92	
135	101.08	111.21	
140	60.64	71.81	
145	30.94	46.46	
150	12.07	35.54	
155	9.46	34.66	
160	14.39	36.48	
165	16.69	37.55	
170	16.52	37.46	
175	15.04	36.77	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	13.31	36.02	
185	12.02	35.52	
190	11.52	35.34	
195	11.86	35.46	
200	13.00	35.90	
205	14.69	36.61	
210	16.30	37.35	
215	16.82	37.61	
220	15.09	36.79	
225	10.49	34.98	
230	9.97	34.82	
235	26.25	43.16	
240	53.86	65.58	
245	92.10	102.25	
250	141.59	152.33	
255	202.67	215.38	
260	275.16	290.82	
265	358.27	377.65	
270	450.62	474.32	
275	550.25	578.72	
280	654.77	688.31	
285	761.48	800.24	
290	867.57	911.56	
295	970.33	1019.39	
300	1067.29	1121.14	
305	1156.40	1214.67	
310	1236.14	1298.37	
315	1305.58	1371.26	
320	1364.34	1432.94	
325	1412.62	1483.63	
330	1451.06	1523.98	
335	1480.64	1555.03	
340	1502.59	1578.07	
345	1518.23	1594.49	
350	1528.88	1605.67	
355	1535.76	1612.88	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission