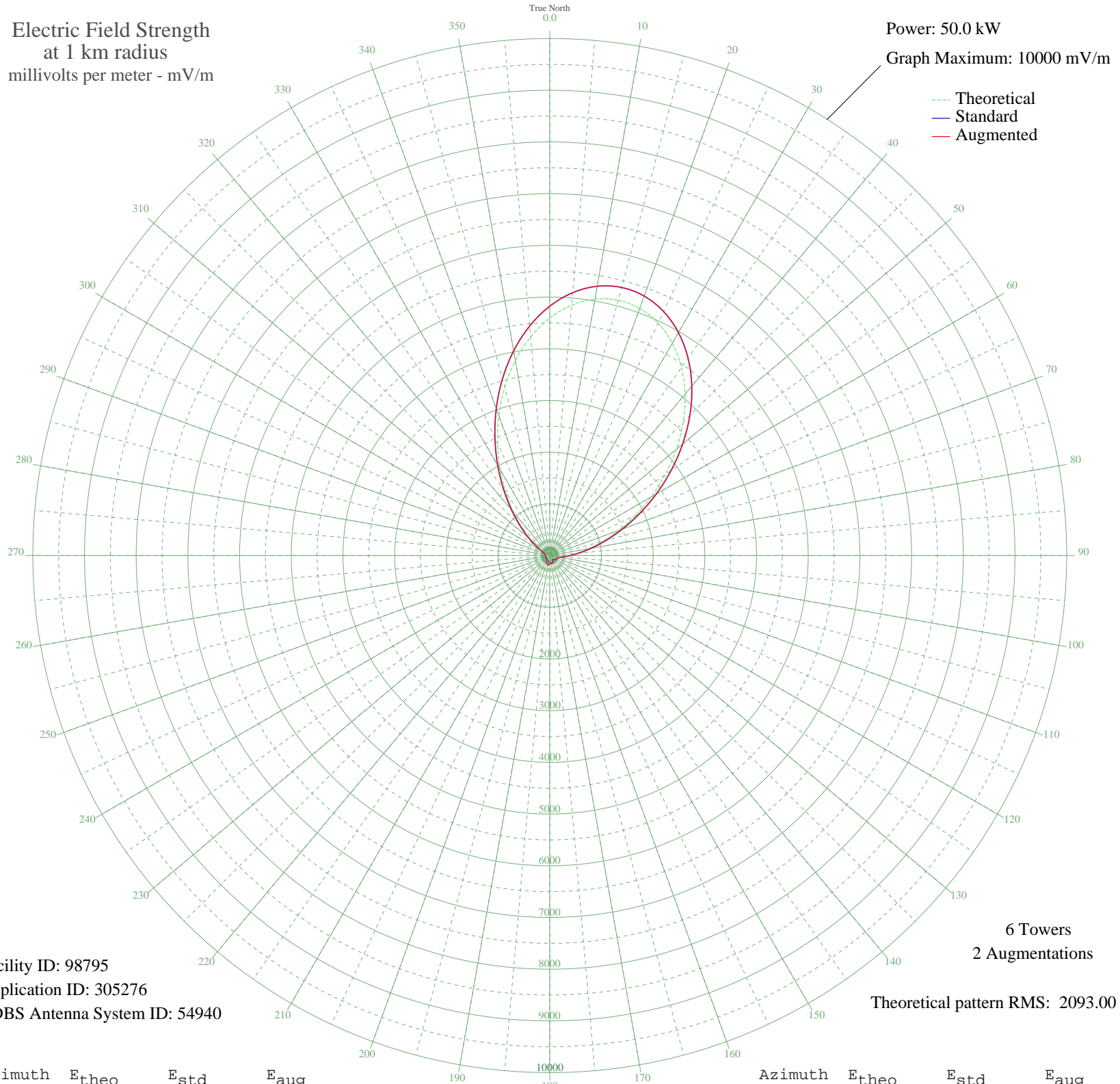


CJOB WINNIPEG, MB Canada -- 680 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 98795  
Application ID: 305276  
CDBS Antenna System ID: 54940

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4592.54	4822.74	4822.74
5	4860.83	5104.41	5104.41
10	5036.44	5288.78	5288.78
15	5112.37	5368.50	5368.50
20	5086.32	5341.15	5341.15
25	4960.62	5209.18	5209.18
30	4741.92	4979.57	4979.57
35	4440.84	4663.47	4663.47
40	4071.34	4275.55	4275.55
45	3650.07	3833.29	3833.29
50	3195.50	3356.09	3356.09
55	2726.96	2864.27	2864.27
60	2263.54	2377.88	2377.88
65	1823.00	1915.59	1915.59
70	1420.63	1493.51	1493.51
75	1068.35	1124.22	1124.22
80	774.00	816.08	816.08
85	541.01	572.90	572.90
90	368.40	393.88	393.88
95	251.01	273.82	273.82
100	179.83	202.89	202.89
105	142.75	167.27	167.27
110	126.97	152.59	152.59
115	121.65	147.74	147.74
120	118.33	144.74	144.74
125	110.64	137.87	137.87
130	95.15	124.47	124.47
135	72.76	106.54	106.54
140	52.44	92.44	92.44
145	54.93	94.01	94.01
150	79.73	111.90	111.90
155	106.45	134.18	134.18
160	124.60	150.43	150.43
165	130.13	155.50	155.50
170	122.86	148.84	148.84
175	106.06	133.84	146.95

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	86.31	117.15	162.14
185	72.58	106.39	181.02
190	70.37	104.74	190.00
195	74.39	107.76	181.83
200	75.53	108.64	156.10
205	69.15	103.85	130.72
210	55.55	94.42	119.00
215	39.53	85.06	99.29
220	31.61	81.33	81.33
225	38.03	84.30	84.30
230	47.50	89.44	89.44
235	51.27	91.71	91.71
240	47.06	89.19	89.19
245	36.32	83.47	83.47
250	24.12	78.45	78.45
255	20.95	77.44	77.44
260	28.57	80.08	80.08
265	35.96	83.30	83.30
270	39.47	85.03	85.03
275	41.30	85.98	85.98
280	45.49	88.28	88.28
285	53.50	93.10	93.10
290	67.67	102.77	102.77
295	102.22	130.51	130.51
300	178.21	201.31	201.31
305	309.14	332.98	332.98
310	502.58	532.91	532.91
315	762.53	804.09	804.09
320	1088.77	1145.61	1145.61
325	1476.10	1551.68	1551.68
330	1914.21	2011.29	2011.29
335	2388.14	2508.65	2508.65
340	2879.24	3024.11	3024.11
345	3366.49	3535.60	3535.60
350	3828.13	4020.22	4020.22
355	4243.11	4455.88	4455.88