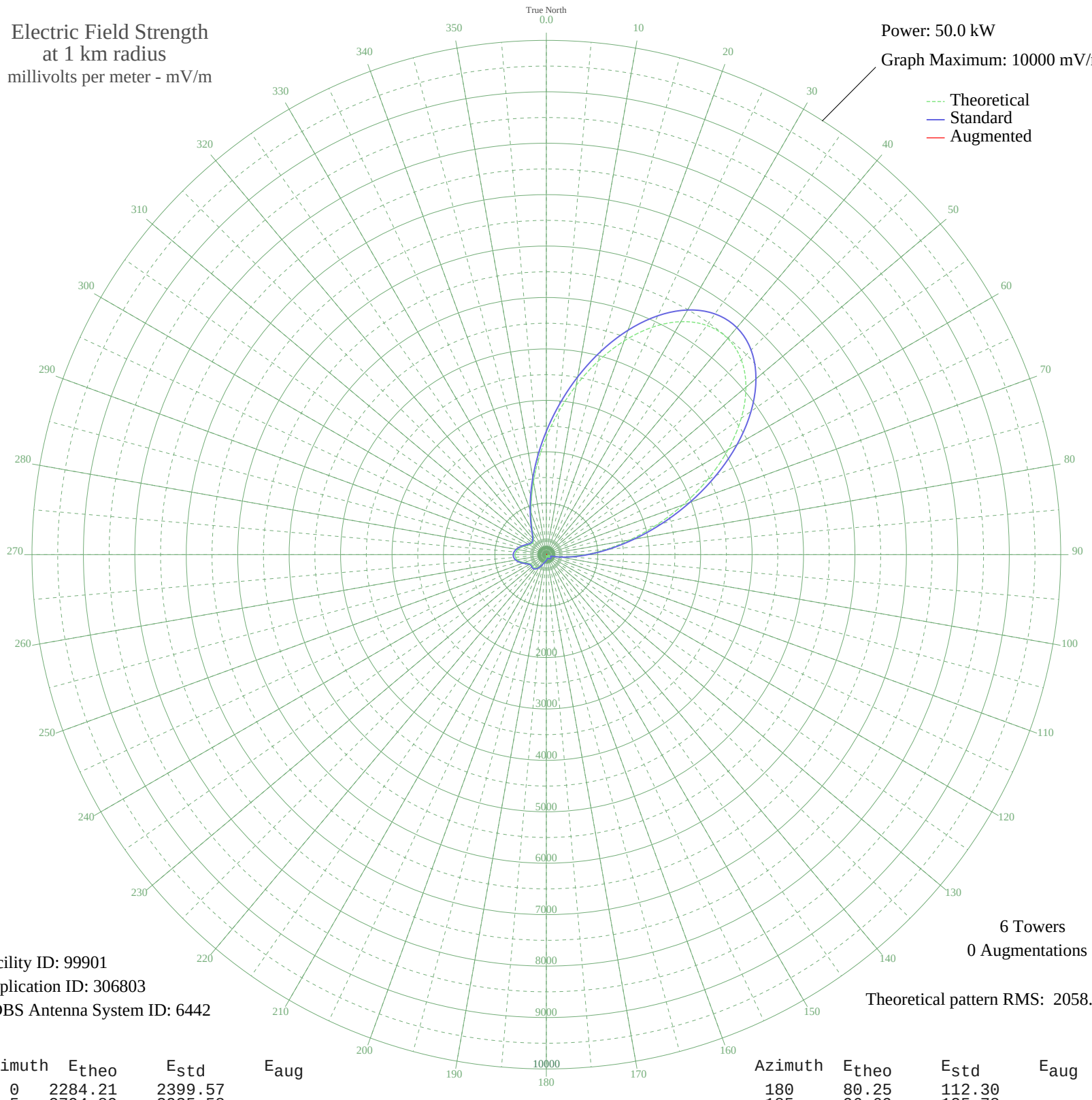
CHUM TORONTO, ON Canada -- 1050 kHz

Nighttime



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

Power: 50.0 kW

Graph Maximum: 10000 mV/m

Theoretical
Standard
Augmented

6 Towers
0 Augmentations

Facility ID: 99901
Application ID: 306803
CDBS Antenna System ID: 6442

Theoretical pattern RMS: 2058.35

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2284.21	2399.57	
5	2794.89	2935.58	
10	3341.47	3509.33	
15	3895.53	4090.98	
20	4421.51	4643.18	
25	4879.80	5124.33	
30	5231.12	5493.18	
35	5441.63	5714.19	
40	5487.81	5762.68	
45	5360.35	5628.86	
50	5065.98	5319.80	
55	4626.97	4858.88	
60	4078.25	4282.80	
65	3462.69	3636.58	
70	2825.43	2967.63	
75	2208.34	2319.95	
80	1645.52	1729.39	
85	1160.50	1220.79	
90	765.42	807.11	
95	461.90	490.65	
100	243.42	266.15	
105	99.16	127.88	
110	33.00	81.93	
115	57.56	95.74	
120	77.01	109.78	
125	82.48	114.08	
130	80.08	112.17	
135	74.07	107.52	
140	66.36	101.82	
145	57.09	95.42	
150	45.46	88.27	
155	30.65	80.92	
160	13.56	75.60	
165	15.38	75.98	
170	37.65	84.11	
175	60.42	97.66	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	80.25	112.30	
185	96.69	125.78	
190	113.30	140.23	
195	137.16	162.03	
200	173.49	196.72	
205	220.36	243.00	
210	269.89	292.95	
215	312.36	336.28	
220	339.80	364.43	
225	348.97	373.87	
230	344.26	369.02	
235	339.20	363.81	
240	352.19	377.18	
245	392.96	419.23	
250	453.73	482.16	
255	517.74	548.67	
260	570.09	603.18	
265	601.65	636.08	
270	609.17	643.93	
275	594.16	628.27	
280	561.37	594.10	
285	517.35	548.27	
290	469.01	498.03	
295	422.77	450.08	
300	384.04	410.02	
305	357.18	382.32	
310	345.92	370.73	
315	353.86	378.90	
320	385.18	411.20	
325	445.17	473.29	
330	540.55	572.41	
335	679.33	717.15	
340	870.30	916.83	
345	1121.89	1180.32	
350	1440.62	1514.47	
355	1829.14	1922.03	

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