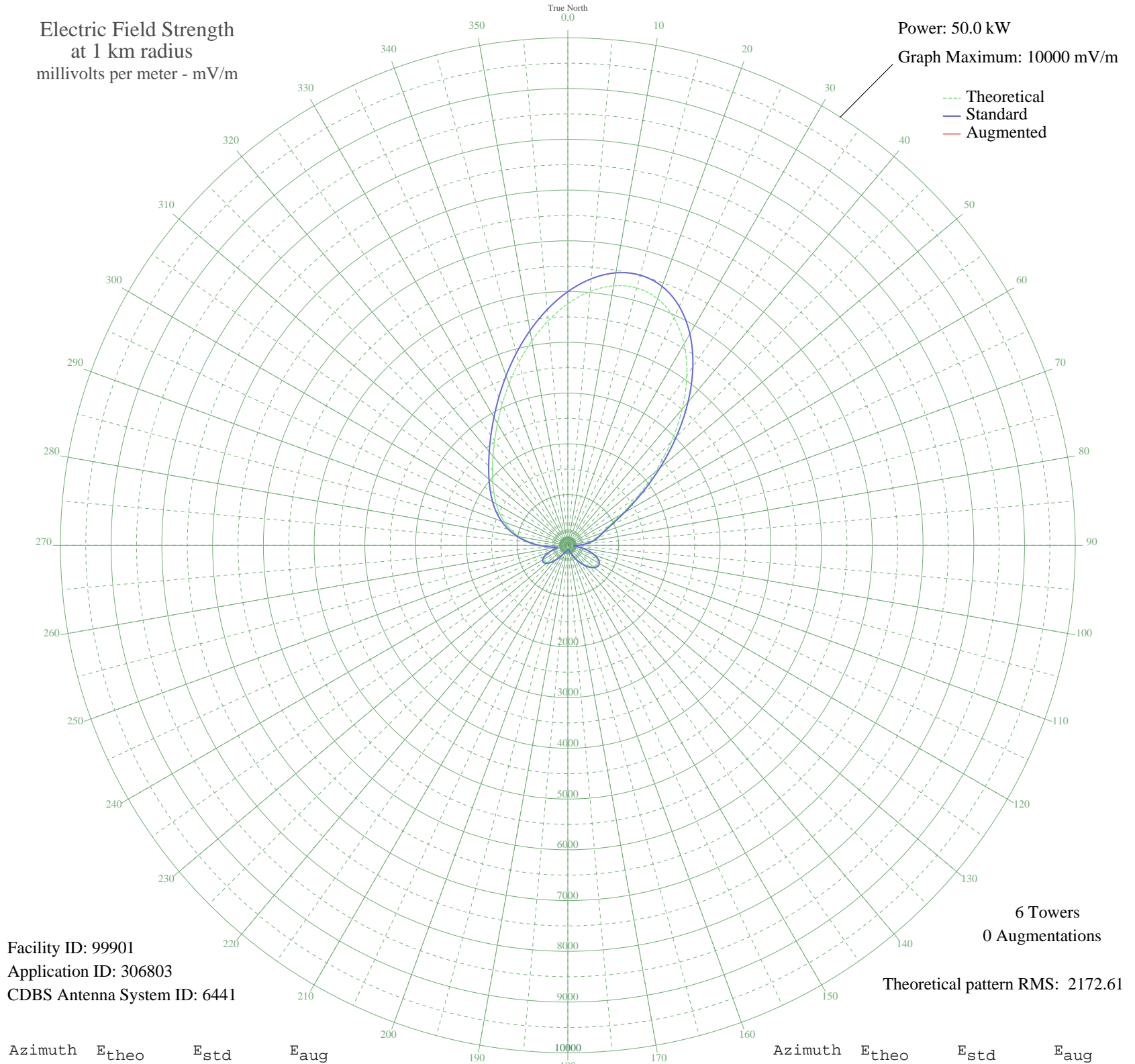


# CHUM TORONTO, ON Canada -- 1050 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 99901  
Application ID: 306803  
CDBS Antenna System ID: 6441

6 Towers  
0 Augmentations

Theoretical pattern RMS: 2172.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4760.18	4998.80	
5	5019.95	5271.53	
10	5191.71	5451.86	
15	5248.76	5511.75	
20	5170.61	5429.70	
25	4946.99	5194.93	
30	4580.96	4810.64	
35	4090.50	4295.74	
40	3508.01	3684.24	
45	2877.64	3022.53	
50	2250.91	2364.75	
55	1681.35	1767.15	
60	1218.18	1281.48	
65	895.01	943.01	
70	705.94	745.36	
75	592.06	626.58	
80	483.54	513.72	
85	345.03	370.64	
90	177.53	202.18	
95	72.69	109.35	
100	230.54	254.41	
105	398.59	425.78	
110	535.30	567.50	
115	629.87	665.98	
120	678.55	716.76	
125	682.64	721.04	
130	647.28	684.14	
135	580.22	614.24	
140	490.87	521.33	
145	389.37	416.27	
150	285.83	310.17	
155	189.64	213.97	
160	108.77	138.47	
165	49.06	93.73	
170	13.84	79.64	
175	2.99	78.37	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	7.25	78.68	
185	29.19	84.09	
190	56.84	98.46	
195	84.05	117.99	
200	110.26	139.77	
205	143.87	170.16	
210	197.16	221.33	
215	273.53	297.69	
220	364.12	390.26	
225	453.08	482.14	
230	522.54	554.23	
235	556.21	589.25	
240	542.43	574.91	
245	476.63	506.55	
250	363.95	390.09	
255	229.74	253.62	
260	185.32	209.75	
265	333.19	358.50	
270	542.89	575.39	
275	758.60	800.37	
280	963.84	1015.05	
285	1152.30	1212.44	
290	1323.21	1391.58	
295	1479.75	1555.71	
300	1627.80	1710.99	
305	1774.96	1865.35	
310	1929.55	2027.54	
315	2099.86	2206.25	
320	2293.44	2409.39	
325	2516.44	2643.42	
330	2772.86	2912.56	
335	3063.77	3217.91	
340	3386.37	3556.55	
345	3733.10	3920.54	
350	4090.98	4296.24	
355	4441.31	4664.03	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission