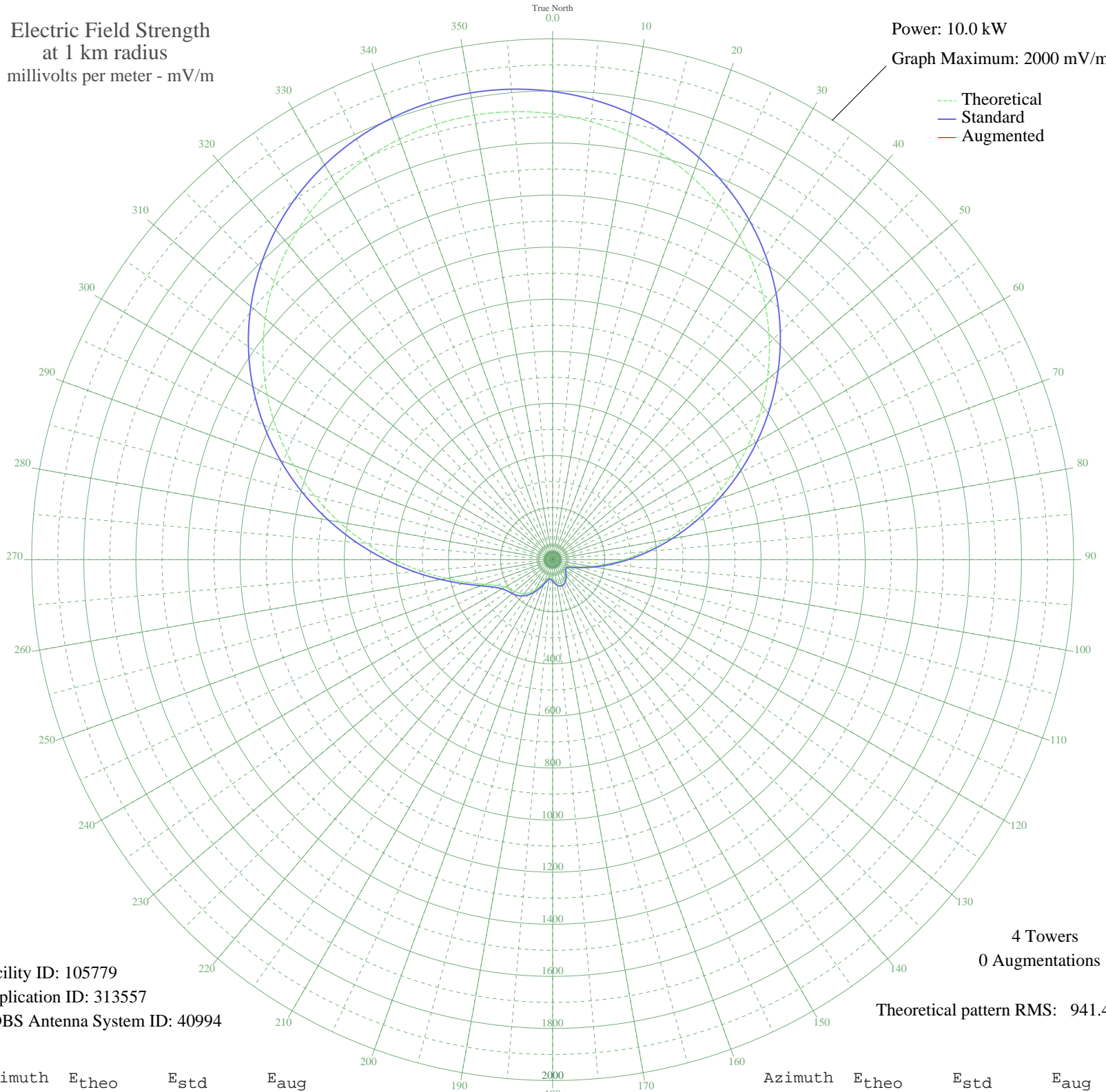


# CHOO AJAX, ON Canada -- 1390 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 105779  
Application ID: 313557  
CDBS Antenna System ID: 40994

4 Towers  
0 Augmentations

Theoretical pattern RMS: 941.47

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1711.89	1797.79	
5	1688.30	1773.03	
10	1655.90	1739.01	
15	1614.52	1695.57	
20	1564.00	1642.53	
25	1504.23	1579.79	
30	1435.23	1507.36	
35	1357.24	1425.49	
40	1270.74	1334.69	
45	1176.58	1235.85	
50	1075.93	1130.21	
55	970.35	1019.41	
60	861.76	905.45	
65	752.31	790.63	
70	644.37	677.40	
75	540.35	568.34	
80	442.57	465.89	
85	353.15	372.30	
90	273.86	289.47	
95	206.02	218.85	
100	150.45	161.43	
105	107.51	117.67	
110	77.09	87.49	
115	58.53	69.85	
120	50.18	62.28	
125	49.36	61.55	
130	53.46	65.22	
135	60.71	71.87	
140	69.68	80.35	
145	78.96	89.31	
150	87.14	97.33	
155	92.98	103.12	
160	95.56	105.69	
165	94.32	104.46	
170	89.25	99.42	
175	81.00	91.30	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	71.36	81.95	
185	63.88	74.84	
190	63.70	74.67	
195	73.74	84.24	
200	91.64	101.79	
205	113.14	123.35	
210	134.82	145.41	
215	154.33	165.41	
220	170.15	181.72	
225	181.79	193.75	
230	190.17	202.42	
235	198.20	210.74	
240	211.19	224.22	
245	235.79	249.79	
250	277.33	293.09	
255	337.58	356.01	
260	415.06	437.08	
265	506.75	533.12	
270	609.13	640.45	
275	718.70	755.37	
280	832.07	874.30	
285	946.09	993.95	
290	1057.91	1111.30	
295	1165.06	1223.76	
300	1265.47	1329.16	
305	1357.56	1425.82	
310	1440.18	1512.55	
315	1512.61	1588.59	
320	1574.50	1653.56	
325	1625.81	1707.42	
330	1666.70	1750.35	
335	1697.48	1782.67	
340	1718.54	1804.78	
345	1730.25	1817.06	
350	1732.91	1819.86	
355	1726.75	1813.40	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission