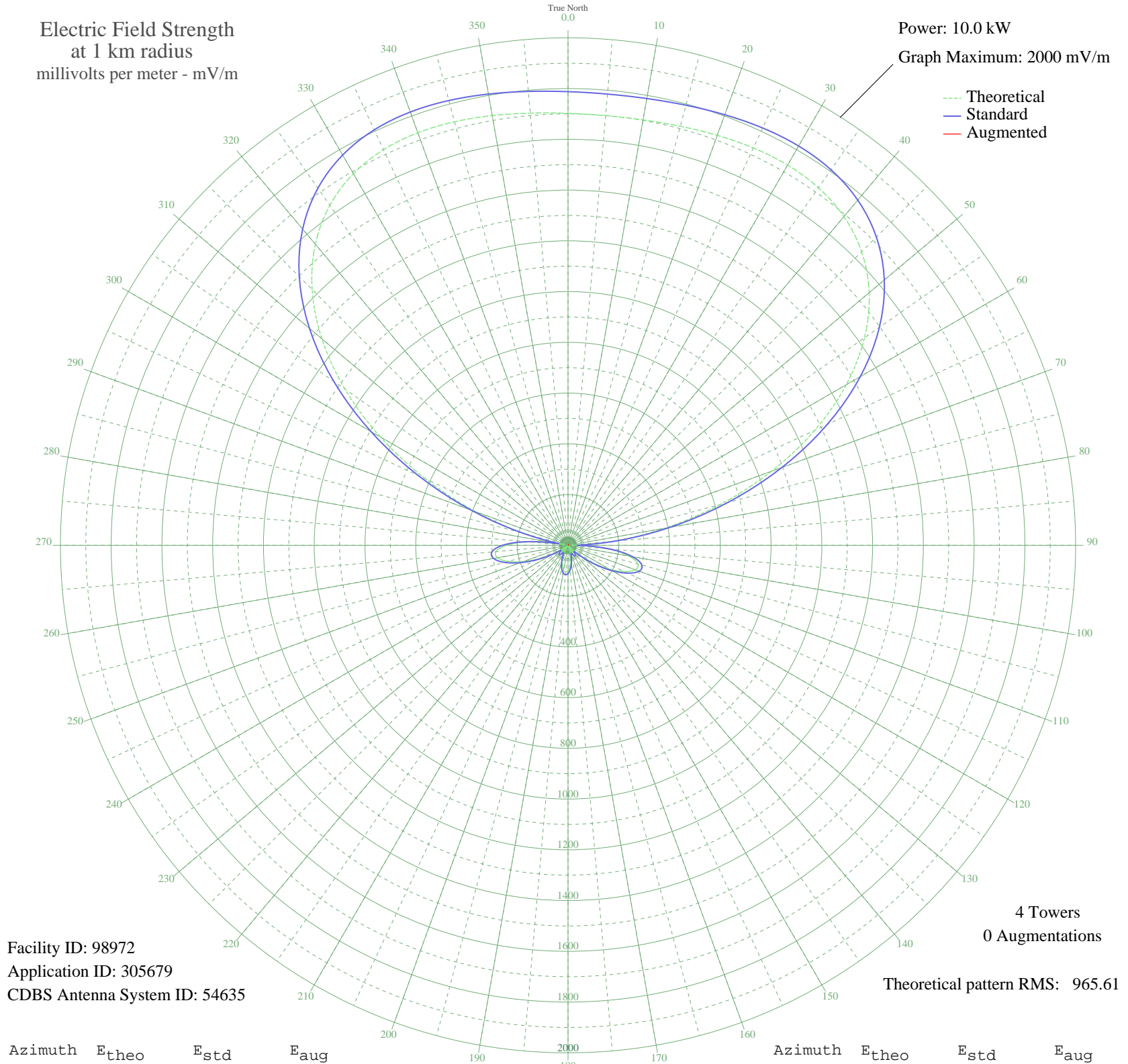


CKNS ESPANOLA, ON Canada -- 930 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 98972
Application ID: 305679
CDBS Antenna System ID: 54635

4 Towers
0 Augmentations

Theoretical pattern RMS: 965.61

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1702.42	1787.85	
5	1699.74	1785.03	
10	1702.42	1787.85	
15	1709.73	1795.52	
20	1719.47	1805.75	
25	1727.99	1814.69	
30	1730.30	1817.12	
35	1720.30	1806.62	
40	1691.15	1776.02	
45	1636.01	1718.14	
50	1548.92	1626.71	
55	1425.90	1497.57	
60	1266.11	1329.83	
65	1072.73	1126.86	
70	853.42	896.71	
75	620.01	651.86	
80	387.39	408.11	
85	171.66	183.27	
90	12.24	35.60	
95	152.79	163.83	
100	243.73	258.06	
105	284.90	300.98	
110	282.01	297.96	
115	245.31	259.71	
120	187.65	199.81	
125	122.18	132.52	
130	60.44	71.63	
135	10.96	35.14	
140	21.38	40.08	
145	35.24	49.72	
150	32.22	47.40	
155	15.95	37.19	
160	8.84	34.48	
165	37.16	51.23	
170	64.38	75.31	
175	86.66	96.86	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	101.18	111.30	
185	106.21	116.36	
190	101.18	111.30	
195	86.66	96.86	
200	64.38	75.31	
205	37.16	51.23	
210	8.84	34.48	
215	15.95	37.19	
220	32.22	47.40	
225	35.24	49.72	
230	21.38	40.08	
235	10.96	35.14	
240	60.44	71.63	
245	122.18	132.52	
250	187.65	199.81	
255	245.31	259.71	
260	282.01	297.96	
265	284.90	300.98	
270	243.73	258.06	
275	152.79	163.83	
280	12.24	35.60	
285	171.66	183.27	
290	387.39	408.11	
295	620.01	651.86	
300	853.42	896.71	
305	1072.73	1126.86	
310	1266.11	1329.83	
315	1425.90	1497.57	
320	1548.92	1626.71	
325	1636.01	1718.14	
330	1691.15	1776.02	
335	1720.30	1806.62	
340	1730.30	1817.12	
345	1727.99	1814.69	
350	1719.47	1805.75	
355	1709.73	1795.52	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission