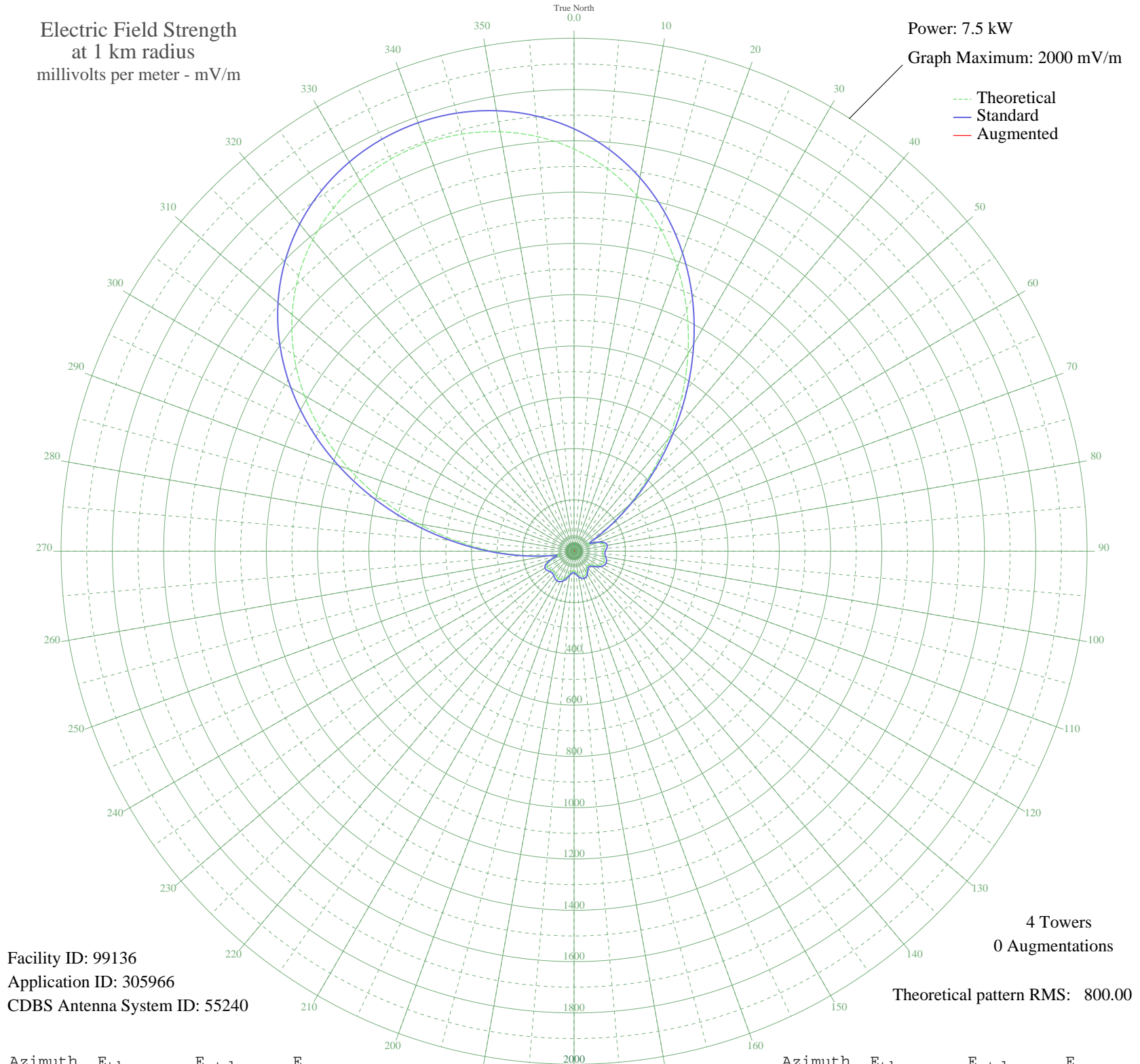


# CKRU PETERBOROUGH, ON Canada -- 980 kHz

Nighttime

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

Power: 7.5 kW  
Graph Maximum: 2000 mV/m



Facility ID: 99136  
Application ID: 305966  
CDBS Antenna System ID: 55240

4 Towers  
0 Augmentations

Theoretical pattern RMS: 800.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1567.99	1646.65	
5	1496.84	1571.96	
10	1408.03	1478.72	
15	1301.39	1366.77	
20	1177.66	1236.90	
25	1038.80	1091.13	
30	888.12	932.98	
35	730.35	767.43	
40	571.48	600.77	
45	418.37	440.27	
50	278.36	293.75	
55	159.42	169.94	
60	75.26	84.29	
65	64.13	73.45	
70	95.47	104.44	
75	116.34	125.63	
80	122.08	131.49	
85	118.21	127.54	
90	112.64	121.86	
95	111.62	120.82	
100	115.97	125.26	
105	121.64	131.04	
110	123.92	133.38	
115	120.21	129.58	
120	110.39	119.56	
125	96.59	105.58	
130	83.00	91.96	
135	75.11	84.14	
140	76.43	85.44	
145	84.70	93.65	
150	94.52	103.49	
155	101.59	110.63	
160	103.62	112.68	
165	100.05	109.07	
170	91.90	100.86	
175	81.99	90.95	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	75.15	84.19	
185	76.45	85.47	
190	86.47	95.42	
195	100.65	109.68	
200	113.67	122.90	
205	121.90	131.32	
210	123.82	133.28	
215	120.22	129.59	
220	114.40	123.65	
225	111.28	120.47	
230	113.93	123.18	
235	119.81	129.18	
240	121.75	131.16	
245	112.14	121.34	
250	86.93	95.88	
255	58.81	68.37	
260	93.67	102.63	
265	190.05	201.70	
270	315.81	332.89	
275	460.24	484.15	
280	615.69	647.14	
285	774.91	814.19	
290	931.25	978.25	
295	1079.04	1133.37	
300	1213.94	1274.98	
305	1333.02	1399.98	
310	1434.70	1506.72	
315	1518.52	1594.72	
320	1584.84	1664.34	
325	1634.50	1716.47	
330	1668.49	1752.16	
335	1687.72	1772.35	
340	1692.76	1777.64	
345	1683.78	1768.22	
350	1660.50	1743.77	
355	1622.21	1703.58	

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