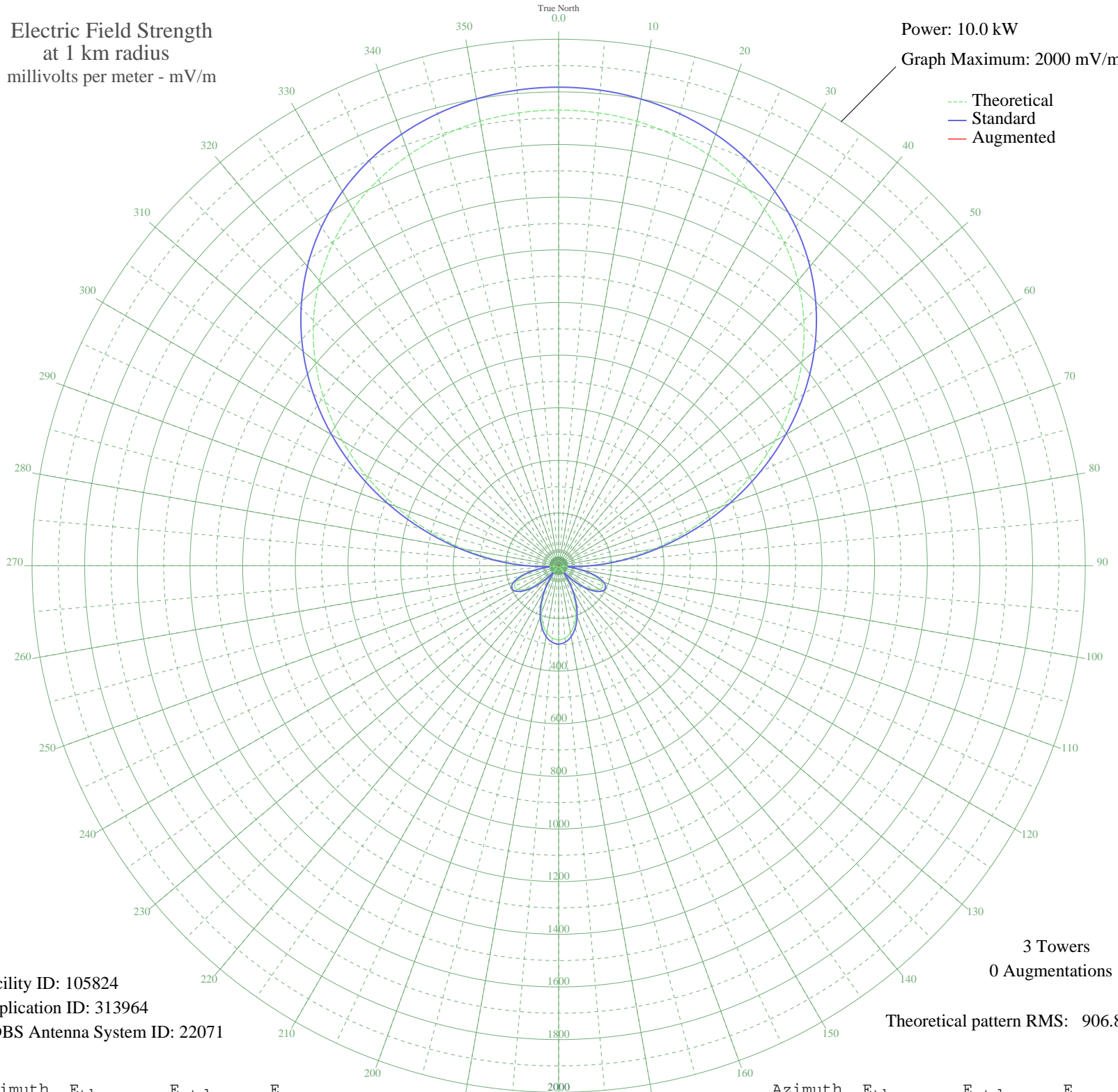


CJOY GUELPH, ON Canada -- 1460 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 105824
Application ID: 313964
CDBS Antenna System ID: 22071

3 Towers
0 Augmentations

Theoretical pattern RMS: 906.86

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1731.05	1817.91	
5	1726.90	1813.55	
10	1714.24	1800.26	
15	1692.53	1777.46	
20	1660.89	1744.25	
25	1618.24	1699.48	
30	1563.44	1641.95	
35	1495.41	1570.53	
40	1413.32	1484.36	
45	1316.84	1383.08	
50	1206.24	1266.99	
55	1082.60	1137.21	
60	947.87	995.81	
65	804.89	845.79	
70	657.36	691.02	
75	509.57	536.08	
80	366.26	386.00	
85	232.20	246.06	
90	111.89	122.08	
95	9.17	34.57	
100	73.02	83.56	
105	132.92	143.46	
110	170.00	181.56	
115	184.96	197.03	
120	179.65	191.53	
125	156.79	167.94	
130	119.79	130.08	
135	72.40	82.95	
140	18.50	38.47	
145	38.17	52.05	
150	94.16	104.30	
155	146.47	157.33	
160	192.55	204.89	
165	230.39	244.18	
170	258.47	273.42	
175	275.73	291.41	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	281.55	297.48	
185	275.73	291.41	
190	258.47	273.42	
195	230.39	244.18	
200	192.55	204.89	
205	146.47	157.33	
210	94.16	104.30	
215	38.17	52.05	
220	18.50	38.47	
225	72.40	82.95	
230	119.79	130.08	
235	156.79	167.95	
240	179.65	191.53	
245	184.96	197.03	
250	170.00	181.56	
255	132.92	143.46	
260	73.02	83.56	
265	9.17	34.57	
270	111.89	122.08	
275	232.20	246.06	
280	366.26	386.01	
285	509.57	536.08	
290	657.36	691.02	
295	804.90	845.79	
300	947.87	995.82	
305	1082.60	1137.22	
310	1206.24	1266.99	
315	1316.84	1383.08	
320	1413.32	1484.36	
325	1495.41	1570.53	
330	1563.44	1641.95	
335	1618.24	1699.48	
340	1660.89	1744.25	
345	1692.53	1777.46	
350	1714.24	1800.26	
355	1726.90	1813.55	

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission