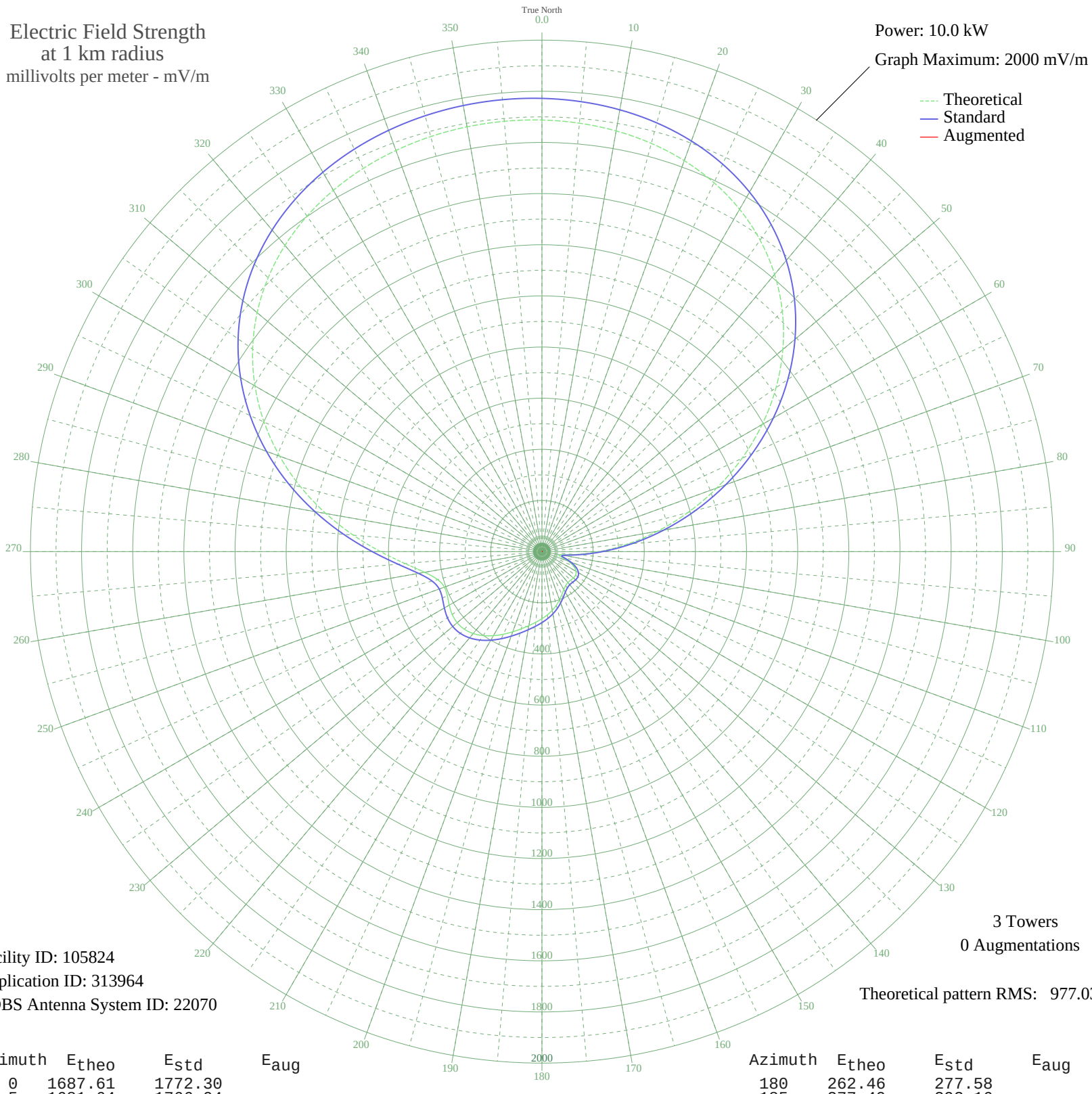
CJOY GUELPH, ON Canada -- 1460 kHz

Daytime

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



Power: 10.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 105824
Application ID: 313964
CDBS Antenna System ID: 22070

Theoretical pattern RMS: 977.03

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1687.61	1772.30	
5	1681.64	1766.04	
10	1670.37	1754.21	
15	1652.63	1735.58	
20	1626.97	1708.65	
25	1591.85	1671.77	
30	1545.70	1623.33	
35	1487.15	1561.87	
40	1415.18	1486.31	
45	1329.30	1396.16	
50	1229.73	1291.64	
55	1117.48	1173.82	
60	994.45	1044.70	
65	863.36	907.14	
70	727.69	764.79	
75	591.43	621.89	
80	458.94	483.02	
85	334.68	352.98	
90	223.31	236.81	
95	130.89	141.39	
100	72.81	83.35	
105	77.31	87.70	
110	110.20	120.38	
115	137.52	148.16	
120	153.84	164.90	
125	160.43	171.69	
130	160.58	171.84	
135	158.36	169.56	
140	157.84	169.03	
145	161.90	173.21	
150	171.32	182.92	
155	184.97	197.04	
160	200.88	213.52	
165	217.26	230.53	
170	233.05	246.95	
175	247.98	262.48	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	262.46	277.58	
185	277.40	293.16	
190	293.82	310.30	
195	312.50	329.80	
200	333.59	351.84	
205	356.41	375.70	
210	379.49	399.85	
215	400.80	422.15	
220	418.03	440.19	
225	429.08	451.75	
230	432.53	455.37	
235	428.29	450.93	
240	418.43	440.60	
245	408.04	429.73	
250	405.78	427.36	
255	422.29	444.65	
260	465.64	490.05	
265	536.98	564.80	
270	631.19	663.58	
275	740.65	778.39	
280	857.87	901.38	
285	976.47	1025.84	
290	1091.34	1146.39	
295	1198.63	1259.00	
300	1295.66	1360.85	
305	1380.86	1450.28	
310	1453.59	1526.63	
315	1514.04	1590.09	
320	1562.98	1641.46	
325	1601.57	1681.98	
330	1631.23	1713.11	
335	1653.37	1736.35	
340	1669.31	1753.09	
345	1680.14	1764.46	
350	1686.61	1771.26	
355	1689.12	1773.88	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission