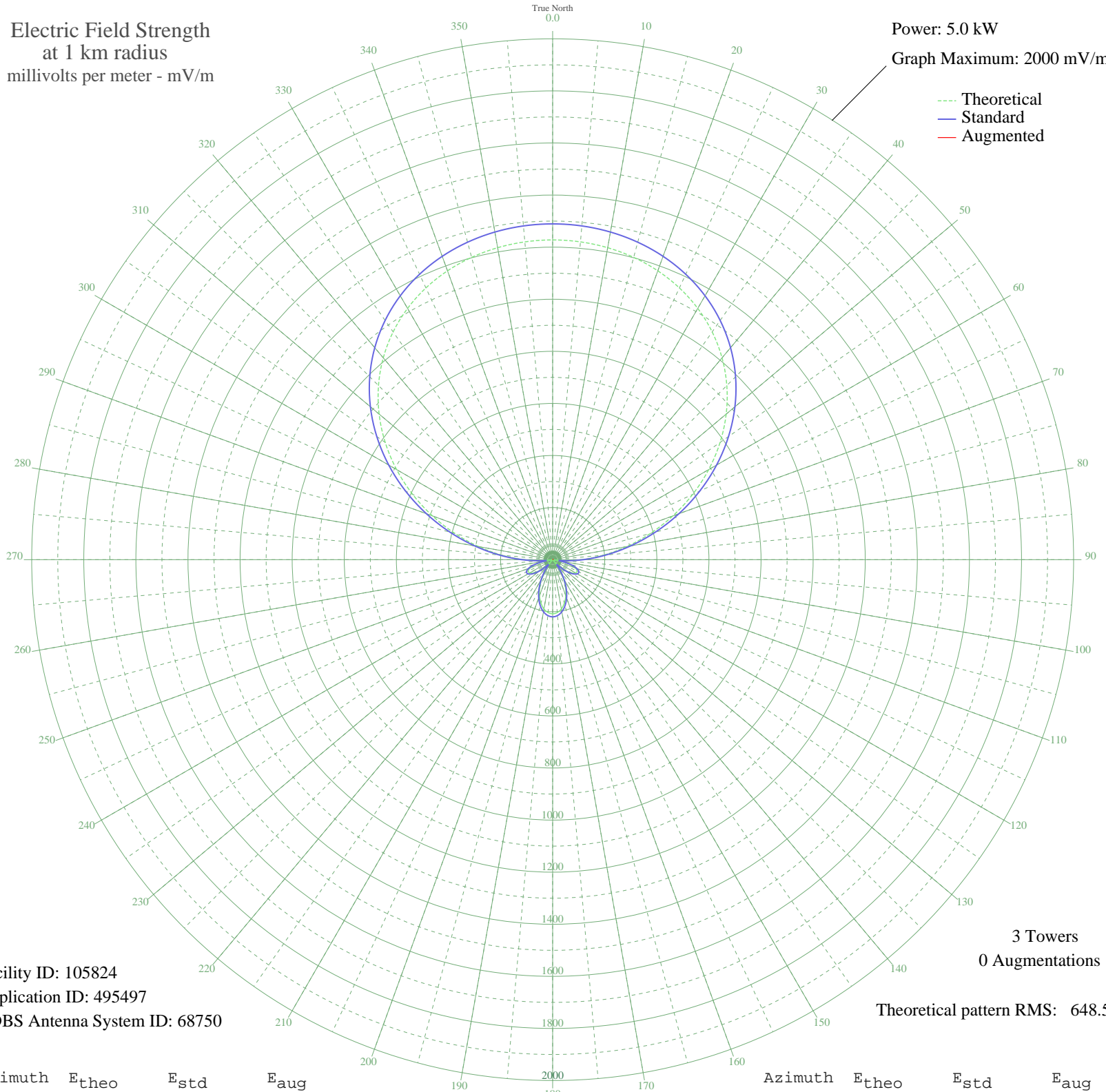


# CJOY GUELPH, ON Canada -- 1460 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 105824  
Application ID: 495497  
CDBS Antenna System ID: 68750

3 Towers  
0 Augmentations

Theoretical pattern RMS: 648.57

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1227.73	1289.33	
5	1224.93	1286.39	
10	1216.39	1277.42	
15	1201.71	1262.01	
20	1180.29	1239.52	
25	1151.36	1209.15	
30	1114.09	1170.03	
35	1067.72	1121.35	
40	1011.64	1062.49	
45	945.58	993.13	
50	869.67	913.46	
55	784.62	824.18	
60	691.73	726.69	
65	592.93	623.01	
70	490.72	515.79	
75	388.08	408.16	
80	288.26	303.58	
85	194.56	205.64	
90	110.13	117.99	
95	37.65	45.98	
100	20.81	32.07	
105	63.96	71.14	
110	91.38	98.78	
115	103.51	111.19	
120	101.56	109.19	
125	87.38	94.71	
130	63.28	70.47	
135	31.85	40.86	
140	4.26	23.90	
145	42.45	50.38	
150	80.35	87.57	
155	115.86	123.90	
160	147.21	156.34	
165	173.00	183.16	
170	192.15	203.12	
175	203.93	215.41	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	207.90	219.56	
185	203.93	215.41	
190	192.15	203.12	
195	173.00	183.16	
200	147.21	156.34	
205	115.86	123.90	
210	80.35	87.57	
215	42.45	50.38	
220	4.26	23.90	
225	31.85	40.86	
230	63.28	70.47	
235	87.38	94.71	
240	101.56	109.19	
245	103.51	111.19	
250	91.38	98.78	
255	63.96	71.14	
260	20.81	32.07	
265	37.65	45.98	
270	110.13	117.99	
275	194.56	205.64	
280	288.26	303.58	
285	388.08	408.16	
290	490.72	515.79	
295	592.93	623.01	
300	691.73	726.69	
305	784.62	824.18	
310	869.67	913.46	
315	945.58	993.13	
320	1011.64	1062.49	
325	1067.72	1121.35	
330	1114.09	1170.03	
335	1151.36	1209.15	
340	1180.29	1239.52	
345	1201.71	1262.01	
350	1216.39	1277.42	
355	1224.93	1286.39	

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission