

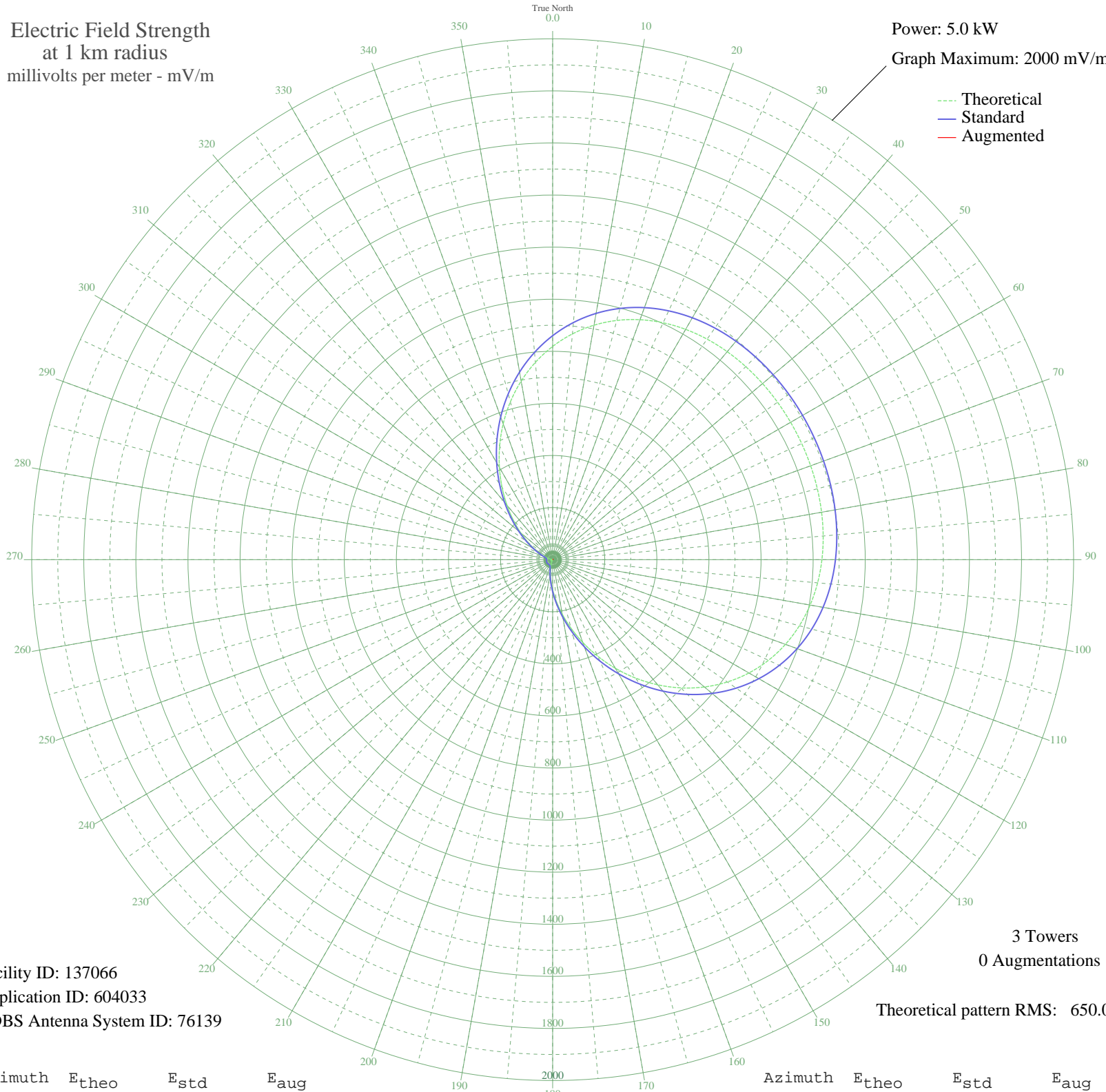
CJMS ST. CONSTANT, QC Canada -- 1040 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 137066
Application ID: 604033
CDBS Antenna System ID: 76139

3 Towers
0 Augmentations

Theoretical pattern RMS: 650.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	818.78	860.04	
5	870.16	913.97	
10	914.22	960.22	
15	950.91	998.73	
20	980.52	1029.82	
25	1003.66	1054.10	
30	1021.10	1072.41	
35	1033.75	1085.69	
40	1042.54	1094.92	
45	1048.35	1101.02	
50	1051.96	1104.81	
55	1054.01	1106.96	
60	1054.92	1107.91	
65	1054.92	1107.91	
70	1054.01	1106.96	
75	1051.96	1104.81	
80	1048.35	1101.02	
85	1042.54	1094.92	
90	1033.75	1085.69	
95	1021.10	1072.41	
100	1003.66	1054.10	
105	980.52	1029.82	
110	950.91	998.73	
115	914.22	960.22	
120	870.16	913.97	
125	818.78	860.04	
130	760.52	798.89	
135	696.24	731.43	
140	627.20	658.98	
145	555.01	583.24	
150	481.51	506.13	
155	408.65	429.73	
160	338.41	356.10	
165	272.57	287.16	
170	212.69	224.55	
175	159.92	169.55	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	115.01	123.02	
185	78.26	85.46	
190	49.53	57.06	
195	28.30	37.88	
200	13.77	27.58	
205	4.90	24.04	
210	0.53	23.49	
215	0.52	23.48	
220	0.60	23.49	
225	2.84	23.67	
230	5.34	24.14	
235	7.39	24.73	
240	8.54	25.13	
245	8.54	25.13	
250	7.39	24.73	
255	5.34	24.14	
260	2.84	23.67	
265	0.60	23.49	
270	0.52	23.48	
275	0.53	23.49	
280	4.90	24.04	
285	13.77	27.58	
290	28.31	37.88	
295	49.53	57.06	
300	78.26	85.46	
305	115.01	123.02	
310	159.92	169.55	
315	212.69	224.55	
320	272.57	287.16	
325	338.41	356.10	
330	408.65	429.73	
335	481.51	506.13	
340	555.01	583.24	
345	627.20	658.98	
350	696.24	731.43	
355	760.52	798.89	

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.

12 Oct 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission