

# CKRS JONQUIERE, QC Canada -- 590 kHz

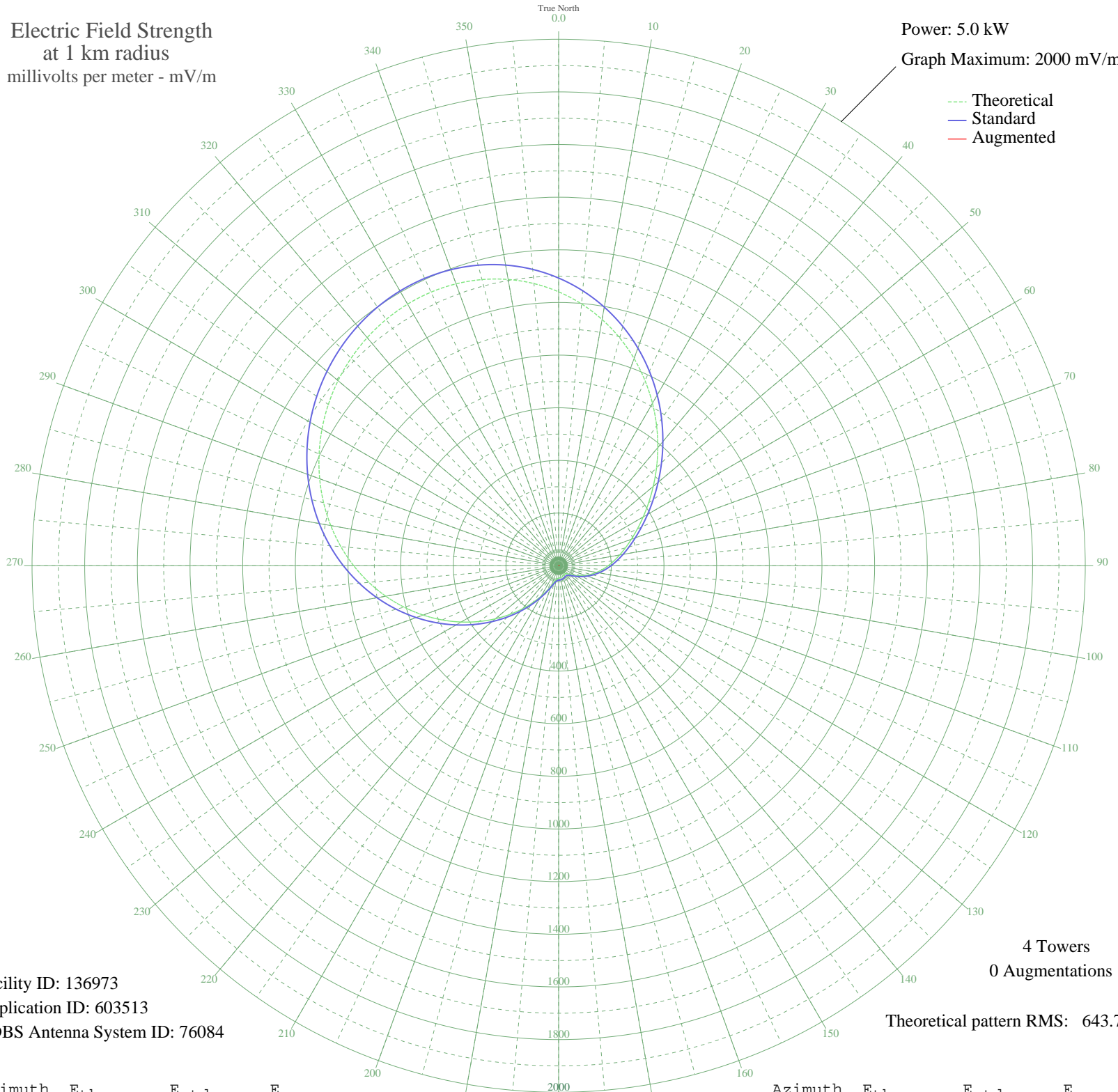
Nighttime

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: 136973  
Application ID: 603513  
CDBS Antenna System ID: 76084

4 Towers  
0 Augmentations

Theoretical pattern RMS: 643.74

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1040.49	1092.79	
5	998.31	1048.52	
10	949.89	997.68	
15	895.99	941.11	
20	837.64	879.87	
25	776.04	815.22	
30	712.57	748.60	
35	648.69	681.57	
40	585.90	615.68	
45	525.60	552.42	
50	469.03	493.10	
55	417.18	438.73	
60	370.65	389.95	
65	329.61	346.96	
70	293.83	309.50	
75	262.67	276.89	
80	235.25	248.22	
85	210.61	222.50	
90	187.91	198.83	
95	166.49	176.53	
100	145.96	155.22	
105	126.23	134.80	
110	107.42	115.43	
115	89.84	97.47	
120	73.97	81.46	
125	60.41	68.02	
130	49.81	57.78	
135	42.74	51.16	
140	39.28	47.99	
145	38.70	47.47	
150	39.82	48.48	
155	41.58	50.09	
160	43.33	51.69	
165	44.72	52.99	
170	45.66	53.86	
175	46.24	54.41	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	46.92	55.04	
185	48.74	56.76	
190	53.53	61.33	
195	63.43	70.98	
200	79.91	87.42	
205	103.44	111.35	
210	133.85	142.67	
215	170.70	180.91	
220	213.42	225.44	
225	261.33	275.49	
230	313.61	330.20	
235	369.37	388.61	
240	427.63	449.68	
245	487.42	512.38	
250	547.77	575.68	
255	607.77	638.64	
260	666.64	700.40	
265	723.68	760.26	
270	778.34	817.63	
275	830.18	872.03	
280	878.86	923.13	
285	924.14	970.66	
290	965.85	1014.44	
295	1003.82	1054.29	
300	1037.90	1090.07	
305	1067.91	1121.57	
310	1093.63	1148.58	
315	1114.80	1170.80	
320	1131.09	1187.90	
325	1142.11	1199.47	
330	1147.45	1205.08	
335	1146.70	1204.29	
340	1139.46	1196.68	
345	1125.37	1181.90	
350	1104.22	1159.69	
355	1075.90	1129.96	

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