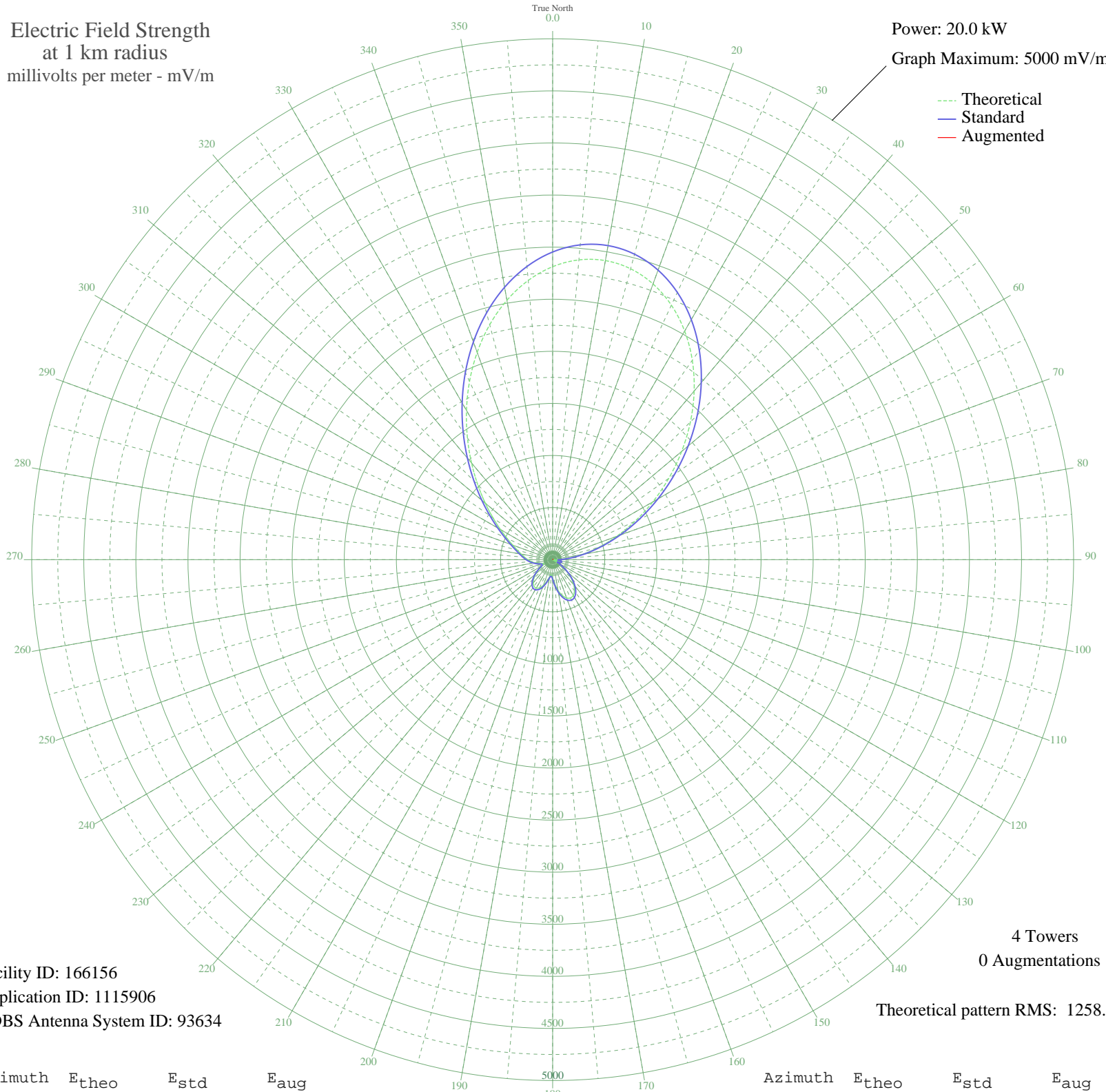


# CJGN CALGARY, AB Canada -- 700 kHz

Nighttime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 166156  
Application ID: 1115906  
CDBS Antenna System ID: 93634

4 Towers  
0 Augmentations

Theoretical pattern RMS: 1258.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2812.60	2953.60	
5	2888.73	3033.53	
10	2915.29	3061.42	
15	2890.95	3035.86	
20	2816.77	2957.98	
25	2696.02	2831.21	
30	2533.83	2660.94	
35	2336.83	2454.12	
40	2112.65	2218.78	
45	1869.54	1963.58	
50	1615.92	1697.36	
55	1360.02	1428.79	
60	1109.60	1166.03	
65	871.72	916.51	
70	652.51	686.74	
75	457.07	482.22	
80	289.39	307.47	
85	152.29	166.66	
90	47.39	68.42	
95	24.90	53.74	
100	65.34	83.14	
105	75.87	92.47	
110	59.55	78.20	
115	20.52	51.66	
120	36.14	60.37	
125	104.52	119.37	
130	178.15	192.86	
135	250.33	267.00	
140	314.46	333.51	
145	364.61	385.71	
150	395.92	418.36	
155	405.14	427.98	
160	391.04	413.27	
165	354.79	375.48	
170	300.37	318.86	
175	235.44	251.63	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	174.44	189.09	
185	144.31	158.64	
190	165.32	179.83	
195	214.05	229.61	
200	262.59	279.69	
205	297.90	316.30	
210	314.71	333.76	
215	311.71	330.65	
220	290.27	308.38	
225	253.70	270.49	
230	206.91	222.27	
235	156.54	170.95	
240	112.68	127.29	
245	92.27	107.66	
250	106.04	120.84	
255	138.17	152.49	
260	173.39	188.02	
265	206.72	222.08	
270	238.16	254.43	
275	269.99	287.35	
280	305.83	324.53	
285	350.02	370.50	
290	407.19	430.12	
295	481.82	508.08	
300	577.81	608.52	
305	698.08	734.49	
310	844.16	887.61	
315	1015.89	1067.72	
320	1211.16	1272.59	
325	1425.87	1497.89	
330	1653.92	1737.26	
335	1887.57	1982.51	
340	2117.76	2224.14	
345	2334.73	2451.92	
350	2528.72	2655.58	
355	2690.61	2825.53	

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