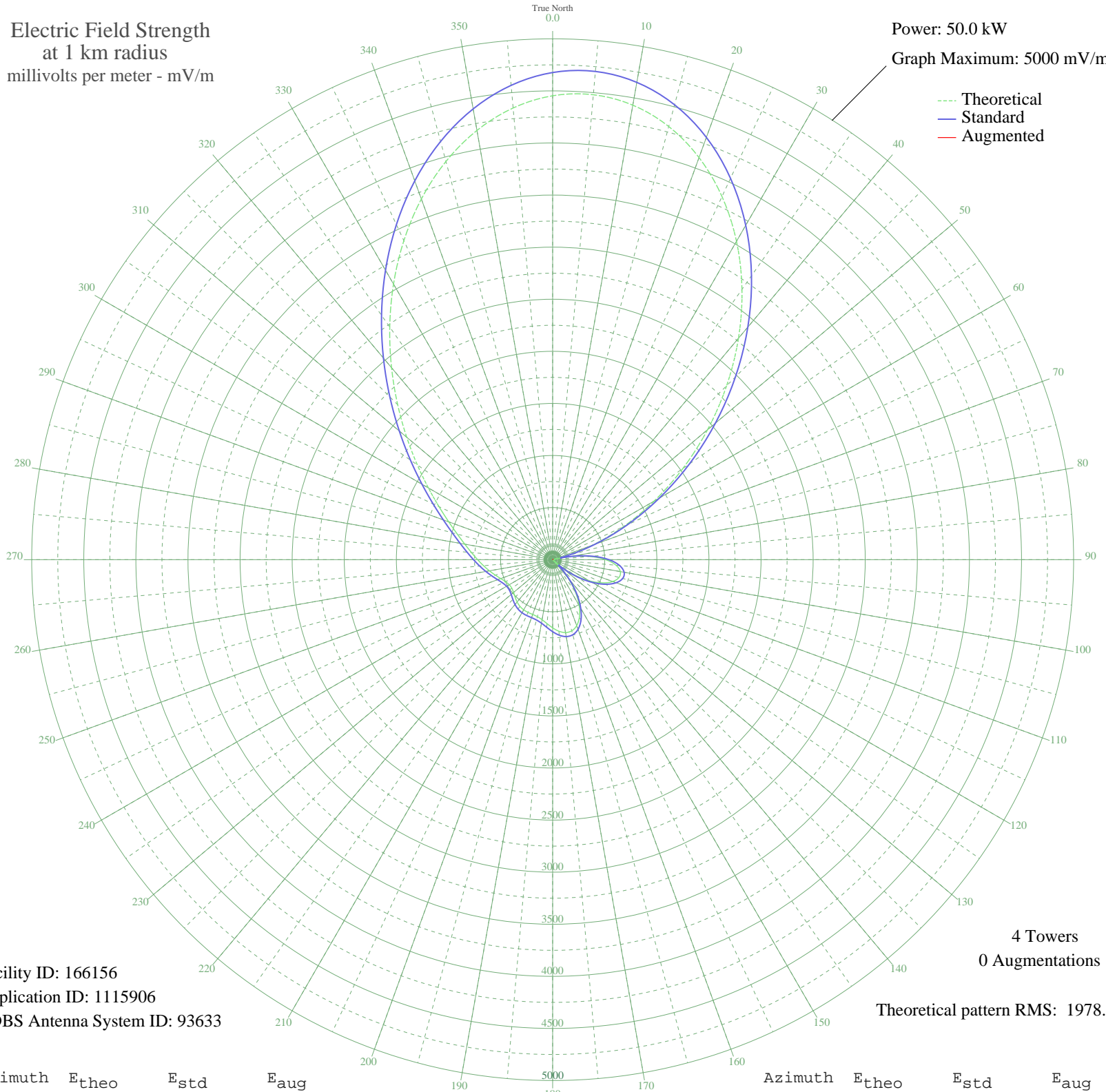


# CJGN CALGARY, AB Canada -- 700 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 166156  
Application ID: 1115906  
CDBS Antenna System ID: 93633

4 Towers  
0 Augmentations

Theoretical pattern RMS: 1978.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4453.22	4676.47	
5	4480.11	4704.70	
10	4430.40	4652.51	
15	4304.90	4520.75	
20	4107.75	4313.78	
25	3846.00	4038.98	
30	3529.01	3706.21	
35	3167.84	3327.06	
40	2774.54	2914.21	
45	2361.57	2480.76	
50	1941.30	2039.72	
55	1525.51	1603.50	
60	1125.08	1183.67	
65	749.75	790.73	
70	407.91	434.69	
75	106.48	134.21	
80	149.13	173.30	
85	355.06	380.13	
90	509.01	539.59	
95	610.23	645.03	
100	659.54	696.48	
105	659.25	696.18	
110	613.24	648.17	
115	526.88	558.19	
120	407.01	433.76	
125	261.76	284.70	
130	100.38	128.93	
135	67.26	102.47	
140	230.87	253.53	
145	380.85	406.72	
150	508.64	539.21	
155	607.70	642.39	
160	674.15	711.74	
165	707.37	746.45	
170	710.34	749.55	
175	689.58	727.86	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	654.62	691.35	
185	616.53	651.60	
190	585.36	619.10	
195	566.74	599.69	
200	559.81	592.47	
205	558.60	591.21	
210	555.93	588.43	
215	546.87	579.00	
220	530.35	561.80	
225	509.28	539.88	
230	489.59	519.41	
235	478.36	507.73	
240	481.05	510.53	
245	499.24	529.43	
250	530.51	561.96	
255	570.68	603.80	
260	616.28	651.34	
265	665.81	703.03	
270	720.12	759.76	
275	782.05	824.50	
280	855.99	901.85	
285	947.21	997.34	
290	1061.25	1116.78	
295	1203.22	1265.56	
300	1377.19	1447.96	
305	1585.55	1666.48	
310	1828.45	1921.31	
315	2103.47	2209.89	
320	2405.34	2526.70	
325	2725.97	2863.23	
330	3054.70	3208.29	
335	3378.88	3548.60	
340	3684.56	3869.50	
345	3957.49	4156.03	
350	4184.10	4393.93	
355	4352.47	4570.69	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission