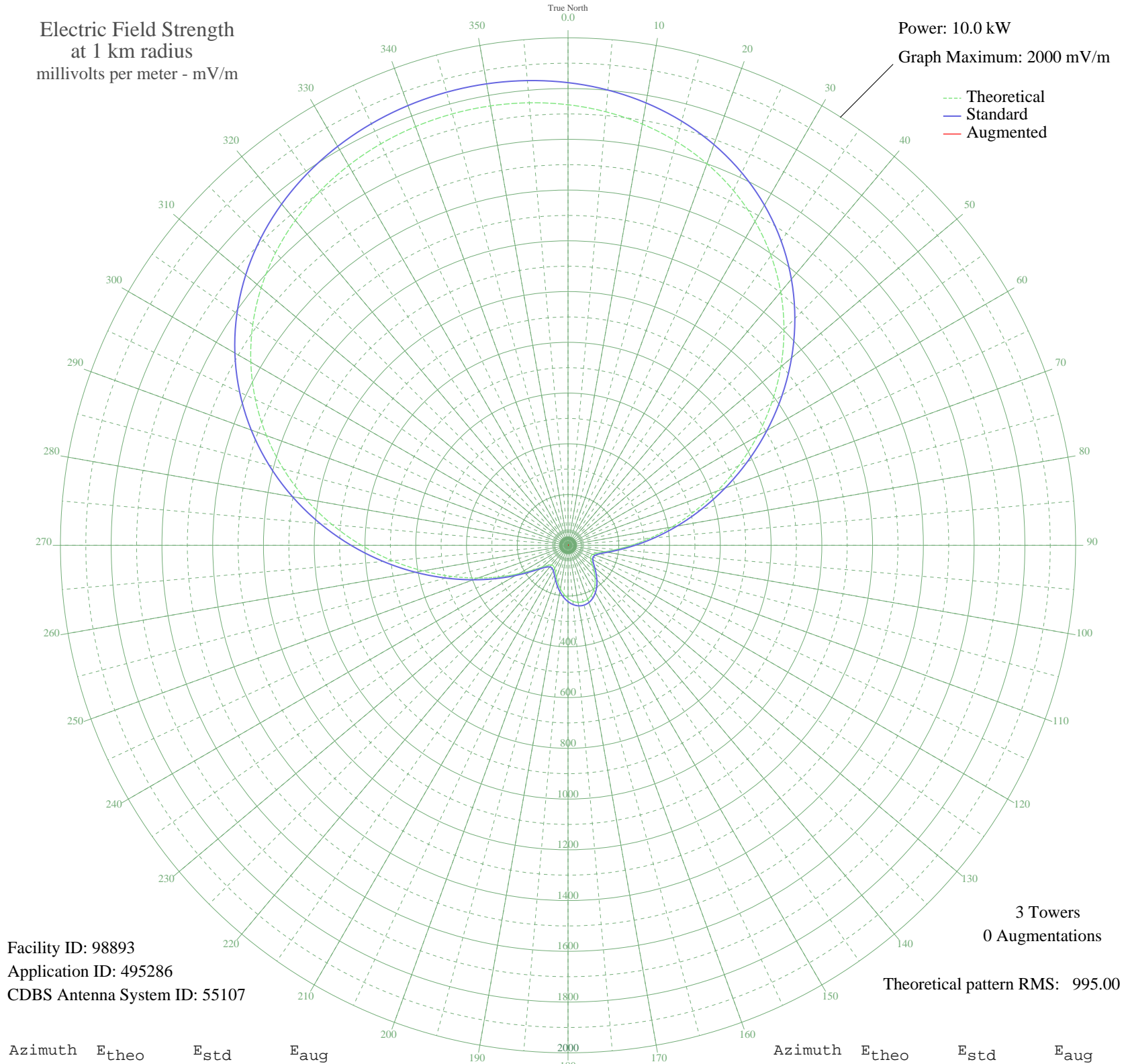


# CJXX GRANDE PRAIRIE, AB Canada -- 840 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 98893  
Application ID: 495286  
CDBS Antenna System ID: 55107

Theoretical pattern RMS: 995.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1736.27	1823.38	
5	1714.89	1800.95	
10	1685.70	1770.30	
15	1647.81	1730.52	
20	1600.33	1680.67	
25	1542.49	1619.96	
30	1473.79	1547.83	
35	1394.04	1464.12	
40	1303.59	1369.17	
45	1203.32	1263.92	
50	1094.71	1149.92	
55	979.85	1029.38	
60	861.37	905.05	
65	742.30	780.12	
70	625.90	658.03	
75	515.48	542.27	
80	414.18	436.15	
85	324.76	342.61	
90	249.46	264.03	
95	189.82	202.06	
100	146.46	157.33	
105	118.66	128.94	
110	104.05	114.19	
115	99.50	109.62	
120	102.59	112.73	
125	112.06	122.26	
130	126.81	137.23	
135	145.25	156.08	
140	165.38	176.80	
145	185.19	197.26	
150	202.85	215.56	
155	216.89	230.14	
160	226.23	239.85	
165	230.19	243.97	
170	228.48	242.19	
175	221.23	234.66	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	208.97	221.91	
185	192.60	204.94	
190	173.45	185.13	
195	153.21	164.27	
200	133.85	144.41	
205	117.40	127.67	
210	105.67	115.82	
215	99.91	110.03	
220	101.19	111.32	
225	111.41	121.60	
230	133.57	144.13	
235	170.53	182.11	
240	223.66	237.18	
245	292.84	309.27	
250	376.84	397.08	
255	473.70	498.49	
260	580.83	610.78	
265	695.23	730.75	
270	813.64	854.96	
275	932.73	979.93	
280	1049.38	1102.35	
285	1160.77	1219.26	
290	1264.59	1328.23	
295	1359.11	1427.45	
300	1443.21	1515.73	
305	1516.33	1592.50	
310	1578.47	1657.73	
315	1630.01	1711.84	
320	1671.64	1755.54	
325	1704.20	1789.72	
330	1728.60	1815.34	
335	1745.67	1833.25	
340	1756.07	1844.17	
345	1760.28	1848.59	
350	1758.48	1846.70	
355	1750.60	1838.43	

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