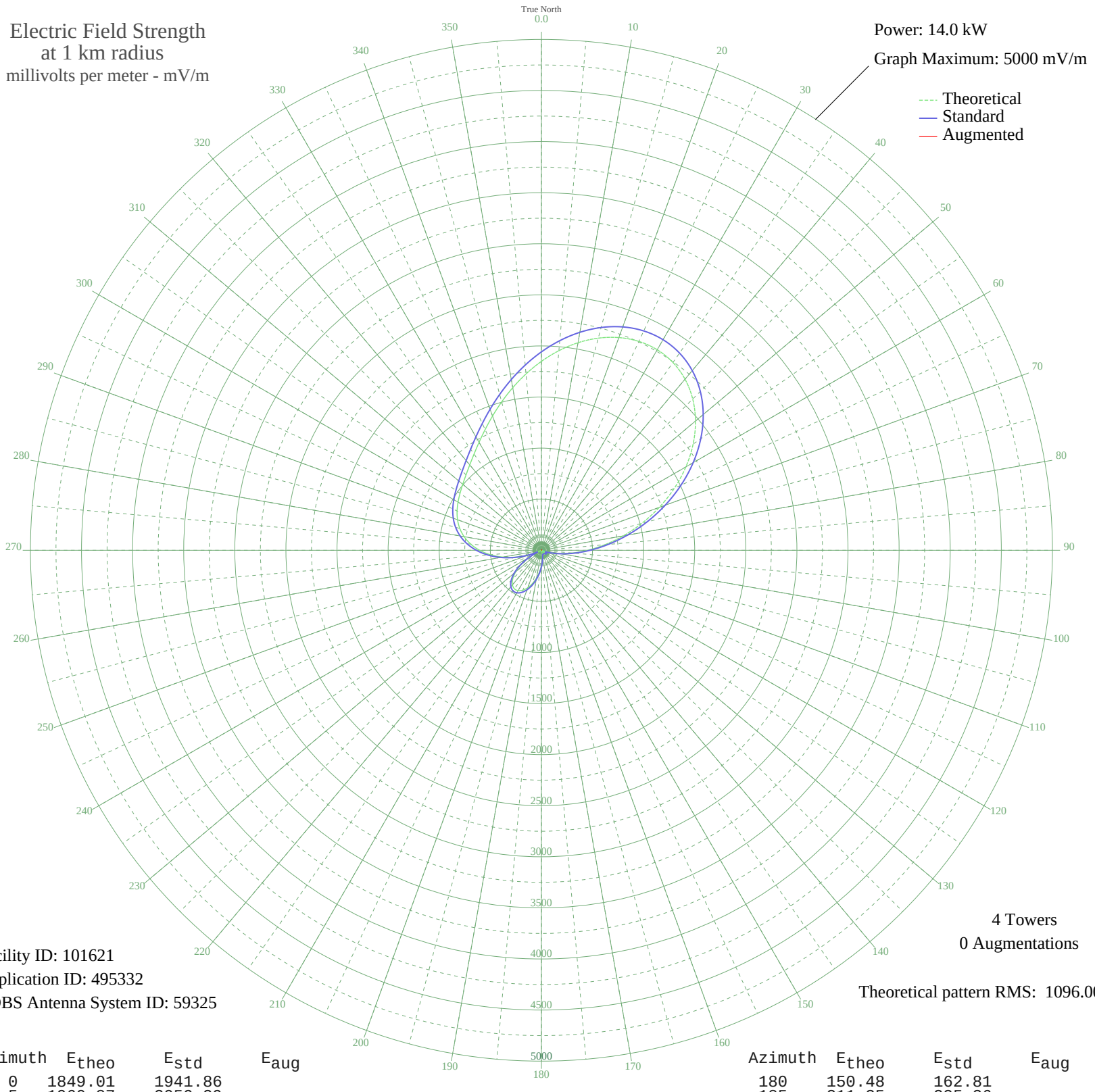
CKGY RED DEER, AB Canada -- 1170 kHz

Nighttime

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



Power: 14.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 101621
Application ID: 495332
CDBS Antenna System ID: 59325

Theoretical pattern RMS: 1096.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1849.01	1941.86	
5	1960.87	2059.29	
10	2062.81	2166.30	
15	2149.43	2257.25	
20	2215.42	2326.52	
25	2255.80	2368.91	
30	2266.30	2379.94	
35	2243.72	2356.24	
40	2186.26	2295.91	
45	2093.78	2198.82	
50	1967.96	2066.73	
55	1812.37	1903.39	
60	1632.30	1714.36	
65	1434.46	1506.70	
70	1226.58	1288.51	
75	1016.81	1068.37	
80	813.13	854.69	
85	622.80	655.12	
90	451.85	476.06	
95	304.72	322.35	
100	184.07	197.23	
105	90.76	103.08	
110	23.96	46.65	
115	18.62	43.88	
120	40.40	57.82	
125	45.60	61.93	
130	38.86	56.64	
135	24.98	47.24	
140	8.62	40.32	
145	5.97	39.78	
150	15.04	42.34	
155	15.60	42.57	
160	5.51	39.71	
165	16.52	42.95	
170	50.60	66.08	
175	95.91	108.09	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	150.48	162.81	
185	211.35	225.36	
190	274.64	291.03	
195	335.78	354.75	
200	389.77	411.14	
205	431.56	454.84	
210	456.45	480.88	
215	460.52	485.14	
220	441.01	464.72	
225	396.69	418.37	
230	328.02	346.65	
235	237.20	252.13	
240	128.00	140.03	
245	5.49	39.71	
250	124.48	136.48	
255	255.81	271.46	
260	382.74	403.79	
265	500.32	526.80	
270	604.89	636.35	
275	694.30	730.08	
280	768.00	807.35	
285	826.92	869.16	
290	873.32	917.83	
295	910.40	956.73	
300	941.99	989.87	
305	972.12	1021.48	
310	1004.72	1055.69	
315	1043.33	1096.20	
320	1090.85	1146.07	
325	1149.37	1207.48	
330	1220.10	1281.70	
335	1303.28	1369.01	
340	1398.21	1468.65	
345	1503.22	1578.87	
350	1615.75	1696.99	
355	1732.39	1819.43	

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