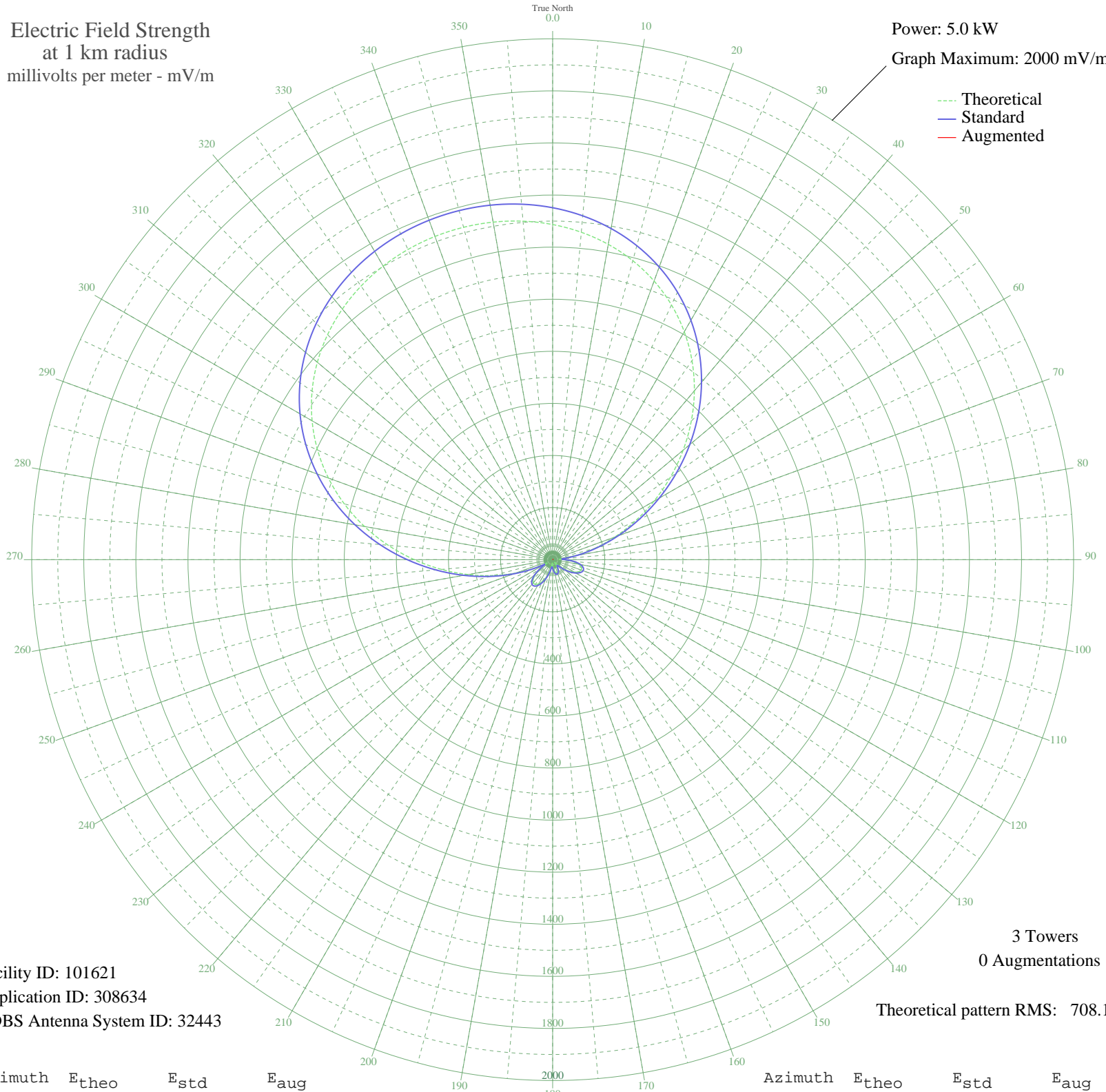


# CKGY RED DEER, AB Canada -- 1170 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 101621  
Application ID: 308634  
CDBS Antenna System ID: 32443

3 Towers  
0 Augmentations

Theoretical pattern RMS: 708.11

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1286.87	1351.42	
5	1262.01	1325.31	
10	1229.45	1291.13	
15	1188.52	1248.16	
20	1138.62	1195.79	
25	1079.37	1133.58	
30	1010.63	1061.42	
35	932.71	979.62	
40	846.34	888.97	
45	752.81	790.79	
50	653.87	686.96	
55	551.76	579.83	
60	449.09	472.13	
65	348.67	366.85	
70	253.38	267.09	
75	166.07	175.95	
80	89.67	97.04	
85	31.30	40.39	
90	40.32	48.41	
95	75.88	83.06	
100	101.00	108.62	
105	114.19	122.18	
110	116.44	124.49	
115	109.40	117.25	
120	95.11	102.58	
125	75.73	82.91	
130	53.54	60.92	
135	30.99	40.13	
140	13.21	27.27	
145	18.51	30.48	
150	32.94	41.80	
155	44.10	51.92	
160	50.24	57.74	
165	50.81	58.29	
170	45.76	53.48	
175	35.52	44.07	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	21.44	32.53	
185	11.91	26.60	
190	26.74	36.60	
195	48.97	56.52	
200	71.44	78.60	
205	91.57	98.97	
210	107.06	114.84	
215	115.71	123.74	
220	115.47	123.49	
225	104.57	112.29	
230	81.86	89.10	
235	47.88	55.48	
240	25.28	35.44	
245	76.06	83.25	
250	149.81	159.05	
255	235.19	248.07	
260	329.11	346.36	
265	428.73	450.78	
270	531.19	558.24	
275	633.62	665.72	
280	733.38	770.41	
285	828.16	869.88	
290	916.07	962.16	
295	995.76	1045.82	
300	1066.37	1119.94	
305	1127.53	1184.14	
310	1179.27	1238.46	
315	1221.95	1283.26	
320	1256.13	1319.15	
325	1282.48	1346.81	
330	1301.66	1366.95	
335	1314.27	1380.19	
340	1320.75	1386.99	
345	1321.33	1387.60	
350	1316.05	1382.05	
355	1304.69	1370.13	

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