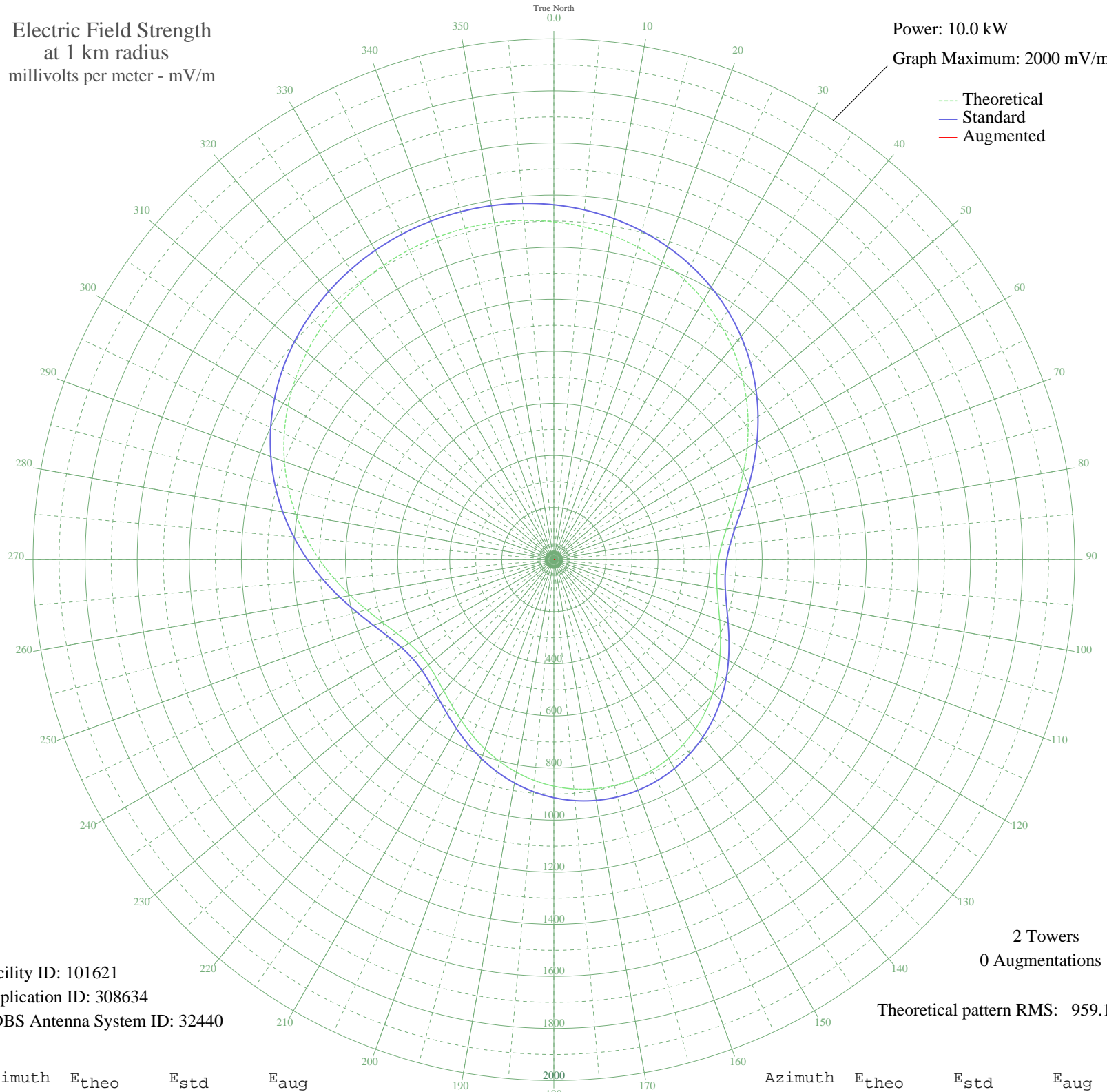


CKGY RED DEER, AB Canada -- 1170 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 101621
Application ID: 308634
CDBS Antenna System ID: 32440

2 Towers
0 Augmentations

Theoretical pattern RMS: 959.17

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1297.38	1362.65	
5	1283.51	1348.10	
10	1265.64	1329.34	
15	1243.53	1306.13	
20	1216.98	1278.26	
25	1185.82	1245.55	
30	1150.00	1207.95	
35	1109.60	1165.55	
40	1064.89	1118.62	
45	1016.35	1067.68	
50	964.73	1013.52	
55	911.11	957.24	
60	856.86	900.31	
65	803.73	844.57	
70	753.80	792.19	
75	709.39	745.60	
80	672.89	707.31	
85	646.42	679.55	
90	631.43	663.83	
95	628.32	660.57	
100	636.28	668.92	
105	653.50	686.98	
110	677.61	712.26	
115	706.10	742.15	
120	736.69	774.24	
125	767.43	806.49	
130	796.79	837.29	
135	823.61	865.42	
140	847.01	889.98	
145	866.41	910.34	
150	881.39	926.06	
155	891.67	936.84	
160	897.10	942.54	
165	897.59	943.06	
170	893.15	938.40	
175	883.83	928.61	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	869.77	913.87	
185	851.23	894.41	
190	828.58	870.64	
195	802.39	843.16	
200	773.46	812.81	
205	742.88	780.73	
210	712.12	748.46	
215	683.03	717.95	
220	657.85	691.54	
225	639.05	671.83	
230	629.07	661.36	
235	629.87	662.20	
240	642.47	675.41	
245	666.73	700.86	
250	701.38	737.20	
255	744.40	782.33	
260	793.42	833.75	
265	846.08	889.00	
270	900.26	945.85	
275	954.13	1002.39	
280	1006.24	1057.07	
285	1055.47	1108.74	
290	1100.99	1156.52	
295	1142.28	1199.85	
300	1179.03	1238.42	
305	1211.12	1272.10	
310	1238.58	1300.93	
315	1261.56	1325.06	
320	1280.26	1344.69	
325	1294.91	1360.07	
330	1305.75	1371.43	
335	1312.95	1379.00	
340	1316.69	1382.92	
345	1317.02	1383.27	
350	1313.97	1380.07	
355	1307.47	1373.25	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission