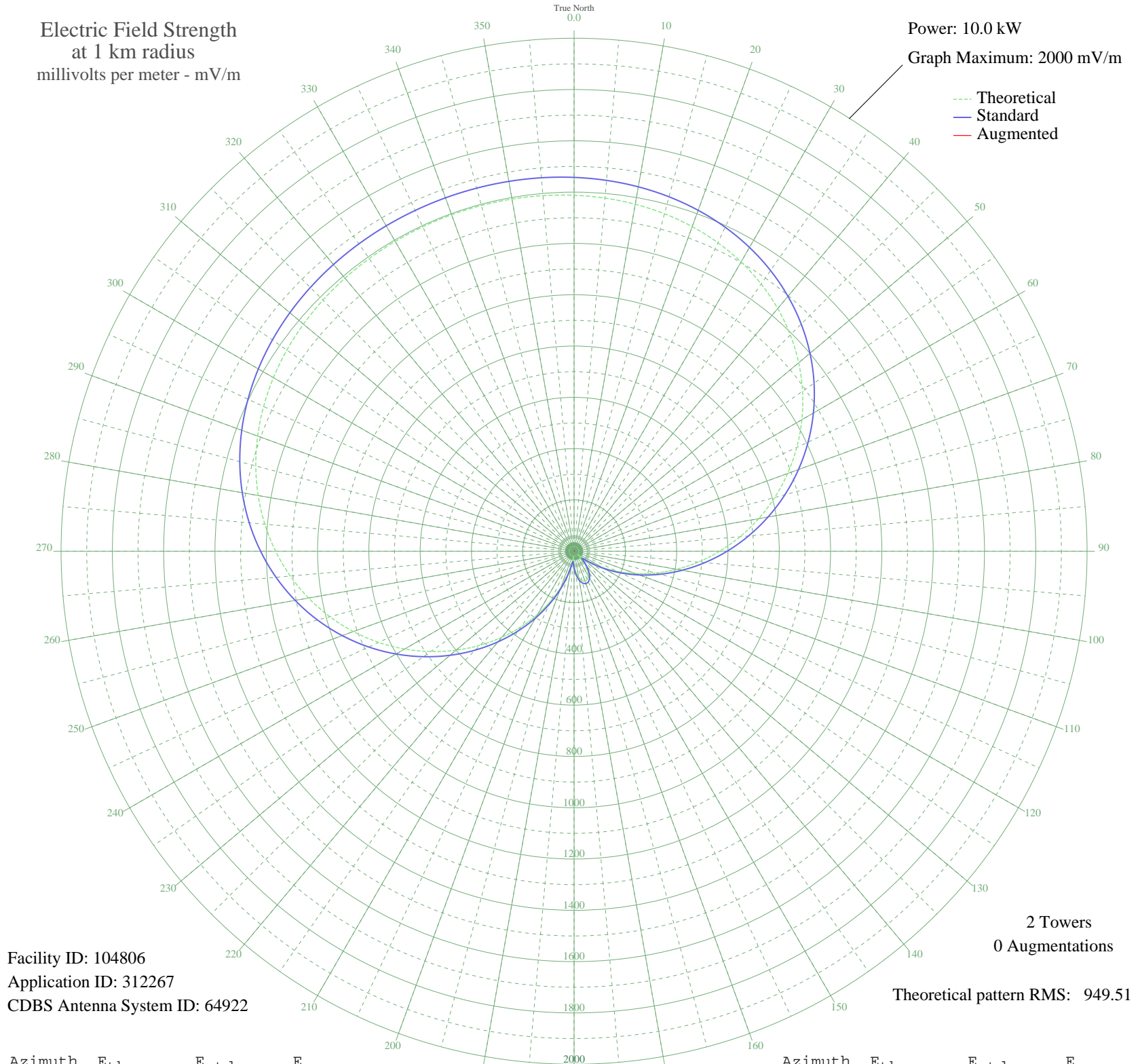


# CHLW ST. PAUL, AB Canada -- 1310 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 104806  
Application ID: 312267  
CDBS Antenna System ID: 64922

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 949.51

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1387.68	1457.45	
5	1381.85	1451.32	
10	1373.51	1442.57	
15	1362.03	1430.52	
20	1346.75	1414.48	
25	1327.01	1393.75	
30	1302.17	1367.69	
35	1271.71	1335.71	
40	1235.18	1297.37	
45	1192.32	1252.37	
50	1143.01	1200.61	
55	1087.33	1142.18	
60	1025.59	1077.39	
65	958.28	1006.74	
70	886.08	930.98	
75	809.85	850.99	
80	730.59	767.84	
85	649.40	682.68	
90	567.46	596.76	
95	485.95	511.33	
100	406.07	427.67	
105	328.96	347.00	
110	255.68	270.51	
115	187.25	199.39	
120	124.65	135.03	
125	69.21	79.90	
130	26.49	43.32	
135	34.52	49.15	
140	65.85	76.70	
145	92.03	102.18	
150	110.69	120.87	
155	121.34	131.66	
160	123.80	134.16	
165	118.05	128.33	
170	104.17	114.31	
175	82.41	92.68	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	53.60	65.35	
185	23.96	41.66	
190	40.91	54.29	
195	90.39	100.55	
200	148.92	159.85	
205	213.98	227.12	
210	284.47	300.53	
215	359.40	378.83	
220	437.76	460.84	
225	518.43	545.36	
230	600.25	631.14	
235	682.04	716.91	
240	762.59	801.41	
245	840.77	883.43	
250	915.50	961.84	
255	985.84	1035.66	
260	1050.99	1104.04	
265	1110.35	1166.34	
270	1163.50	1222.13	
275	1210.24	1271.18	
280	1250.54	1313.49	
285	1284.60	1349.24	
290	1312.75	1378.79	
295	1335.48	1402.65	
300	1353.36	1421.42	
305	1367.04	1435.78	
310	1377.18	1446.42	
315	1384.45	1454.05	
320	1389.45	1459.30	
325	1392.72	1462.73	
330	1394.70	1464.81	
335	1395.71	1465.87	
340	1395.93	1466.11	
345	1395.41	1465.56	
350	1394.04	1464.12	
355	1391.59	1461.55	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission