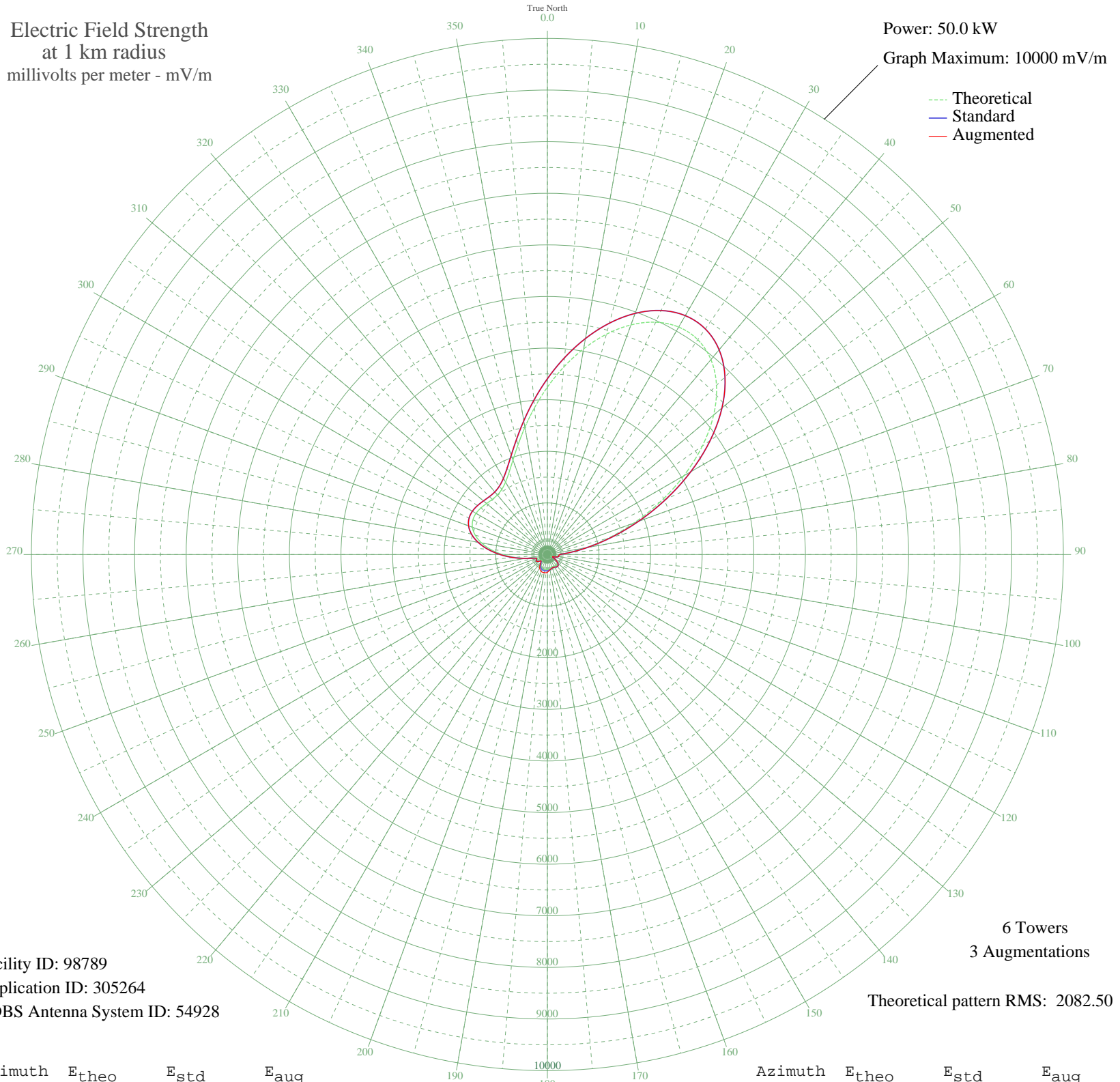


# CFRR CALGARY, AB Canada -- 660 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 98789  
Application ID: 305264  
CDBS Antenna System ID: 54928

6 Towers  
3 Augmentations  
Theoretical pattern RMS: 2082.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3242.89	3405.84	3405.84
5	3646.84	3829.90	3829.90
10	4047.17	4250.18	4250.18
15	4419.03	4640.58	4640.58
20	4735.11	4972.42	4972.42
25	4967.51	5216.42	5216.42
30	5090.30	5345.33	5345.33
35	5082.54	5337.19	5337.19
40	4931.55	5178.66	5178.66
45	4635.72	4868.07	4868.07
50	4206.28	4417.22	4417.22
55	3667.58	3851.68	3851.68
60	3055.31	3208.93	3208.93
65	2412.84	2534.57	2534.57
70	1786.26	1877.04	1877.04
75	1219.02	1282.12	1282.12
80	747.94	788.84	788.84
85	404.14	430.80	430.80
90	224.04	246.68	246.68
95	199.95	222.69	222.69
100	200.08	222.82	222.82
105	162.73	186.30	186.30
110	98.56	127.36	127.36
115	68.35	103.26	103.26
120	127.06	152.68	152.68
125	195.10	217.90	217.90
130	244.95	267.70	267.70
135	271.89	294.98	294.98
140	278.37	301.57	301.57
145	271.17	294.25	294.25
150	259.47	282.38	282.38
155	252.07	274.89	274.89
160	253.78	276.62	276.62
165	263.35	286.31	286.31
170	275.77	298.92	298.92
175	286.25	309.59	319.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	292.54	316.01	343.98
185	294.93	318.45	355.00
190	294.74	318.26	355.84
195	292.19	315.66	355.53
200	284.94	308.26	350.00
205	268.71	291.75	330.44
210	240.00	262.71	296.16
215	200.22	222.96	250.28
220	161.46	185.07	198.46
225	149.47	173.62	173.62
230	175.15	198.33	198.33
235	210.71	233.37	233.37
240	227.15	249.79	249.79
245	213.85	236.49	236.49
250	195.52	218.31	218.31
255	252.21	275.04	275.04
260	412.51	439.45	439.45
265	630.78	666.47	666.47
270	868.79	915.25	915.25
275	1097.92	1155.21	1155.21
280	1295.81	1362.62	1362.62
285	1447.28	1521.46	1521.46
290	1545.53	1624.50	1624.50
295	1592.21	1673.46	1673.46
300	1596.38	1677.84	1677.84
305	1572.53	1652.83	1652.83
310	1538.08	1616.69	1616.69
315	1510.93	1588.21	1588.21
320	1507.40	1584.51	1584.51
325	1540.92	1619.67	1619.67
330	1621.61	1704.31	1704.31
335	1756.33	1845.64	1845.64
340	1948.81	2047.60	2047.60
345	2199.40	2310.56	2310.56
350	2504.56	2630.84	2630.84
355	2856.50	3000.25	3000.25

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission