

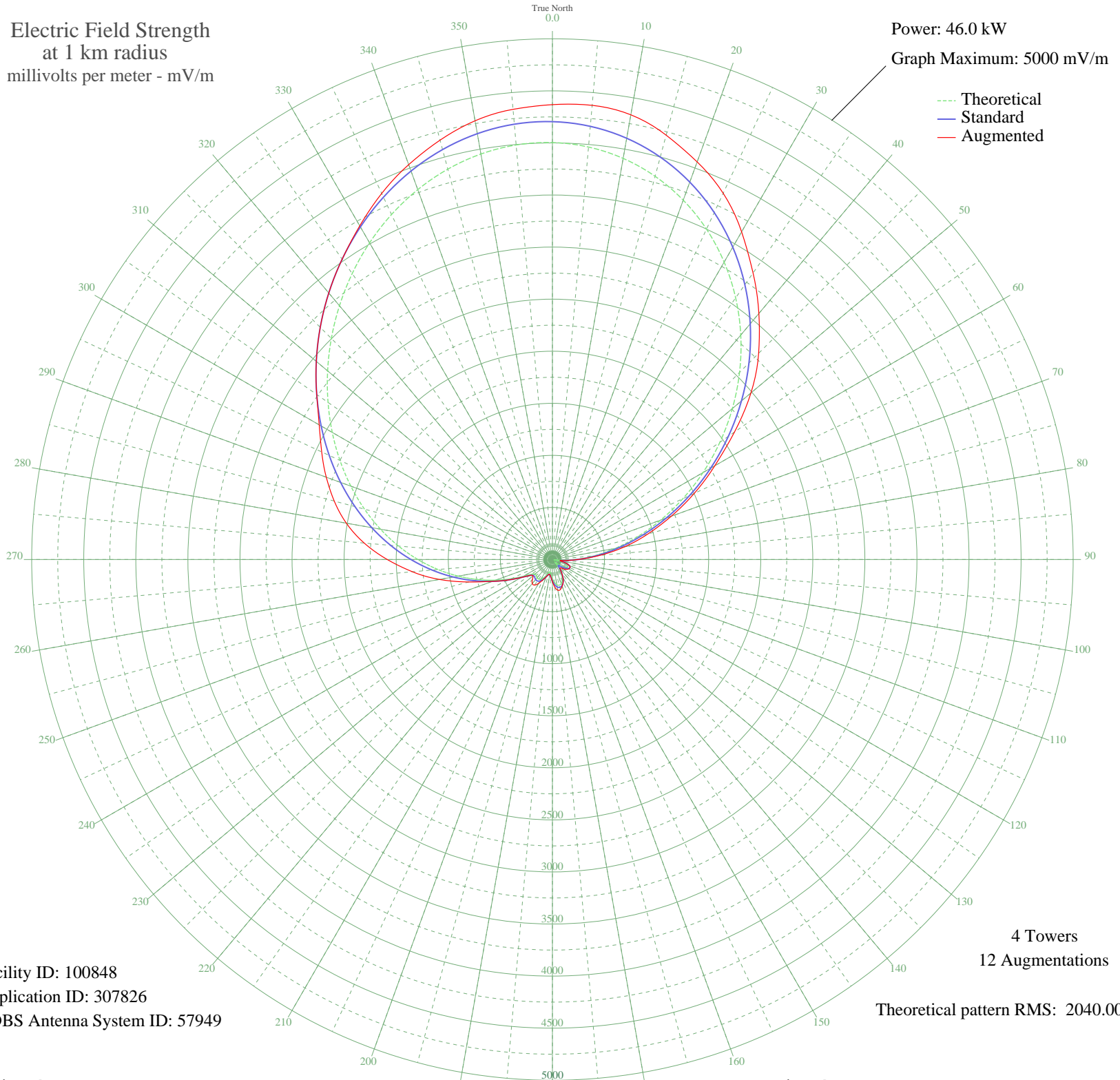
# CFXL CALGARY, AB Canada -- 1140 kHz

Nighttime

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

Power: 46.0 kW

Graph Maximum: 5000 mV/m



Facility ID: 100848  
Application ID: 307826  
CDBS Antenna System ID: 57949

4 Towers  
12 Augmentations

Theoretical pattern RMS: 2040.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4003.70	4204.49	4367.86
5	3975.87	4175.27	4377.70
10	3911.18	4107.36	4336.00
15	3809.61	4000.73	4218.63
20	3672.11	3856.37	4062.97
25	3500.56	3676.28	3880.20
30	3297.74	3463.36	3633.09
35	3067.22	3221.37	3358.62
40	2813.29	2954.81	3083.83
45	2540.89	2668.89	2800.00
50	2255.50	2369.35	2488.37
55	1963.02	2062.40	2133.99
60	1669.63	1754.56	1800.00
65	1381.61	1452.44	1502.58
70	1105.16	1162.60	1213.70
75	846.15	891.31	950.00
80	609.92	644.37	704.46
85	401.04	427.07	457.61
90	223.12	244.86	244.86
95	78.83	109.19	109.19
100	33.37	79.37	79.37
105	108.22	134.10	134.10
110	151.13	173.93	173.93
115	164.10	186.44	186.44
120	151.09	173.90	180.38
125	117.27	142.24	164.67
130	69.67	102.09	140.00
135	30.65	78.15	113.98
140	69.00	101.59	112.31
145	127.25	151.41	151.41
150	180.03	202.00	202.00
155	221.10	242.83	242.83
160	246.78	268.73	271.95
165	255.13	277.19	297.92
170	245.99	267.93	300.00
175	221.29	243.02	266.42

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	185.53	207.41	211.56
185	147.28	170.25	170.25
190	121.97	146.53	146.53
195	126.29	150.52	150.52
200	155.22	177.86	177.86
205	189.65	211.48	214.43
210	216.66	238.38	264.29
215	230.11	251.90	299.61
220	229.09	250.87	301.28
225	219.25	240.97	272.28
230	216.68	238.40	244.16
235	246.21	268.15	268.15
240	321.62	345.13	345.13
245	436.64	463.97	463.97
250	579.91	613.06	613.06
255	742.66	783.03	833.49
260	918.54	967.09	1101.71
265	1102.83	1160.16	1349.59
270	1292.03	1358.50	1585.96
275	1483.60	1559.41	1814.43
280	1675.93	1761.16	2009.32
285	1868.10	1962.79	2168.89
290	2059.73	2163.89	2310.75
295	2250.72	2364.32	2444.38
300	2440.98	2564.02	2585.92
305	2630.22	2762.65	2762.65
310	2817.66	2959.40	2959.40
315	3001.92	3152.82	3152.82
320	3180.91	3340.72	3340.72
325	3351.85	3520.16	3520.16
330	3511.30	3687.55	3699.73
335	3655.36	3838.79	3878.60
340	3779.87	3969.50	4035.03
345	3880.64	4075.30	4168.86
350	3953.73	4152.03	4277.78
355	3995.68	4196.06	4339.18