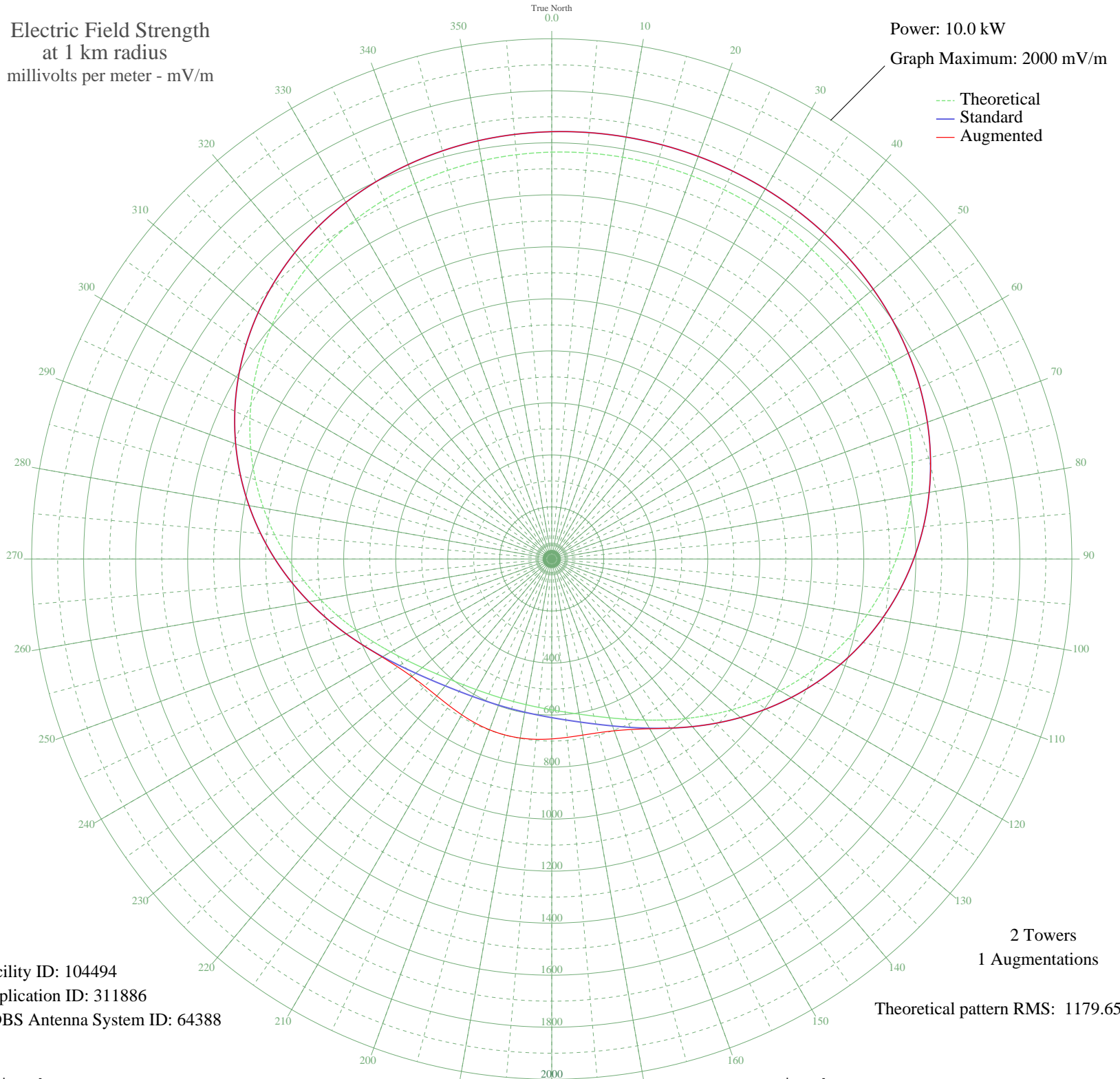


# CFRW WINNIPEG, MB Canada -- 1290 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 104494  
Application ID: 311886  
CDBS Antenna System ID: 64388

2 Towers  
1 Augmentations

Theoretical pattern RMS: 1179.65

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1564.21	1642.76	1642.76
5	1566.87	1645.55	1645.55
10	1568.38	1647.13	1647.13
15	1568.86	1647.64	1647.64
20	1568.38	1647.13	1647.13
25	1566.87	1645.55	1645.55
30	1564.21	1642.76	1642.76
35	1560.17	1638.52	1638.52
40	1554.46	1632.53	1632.53
45	1546.73	1624.41	1624.41
50	1536.58	1613.75	1613.75
55	1523.59	1600.12	1600.12
60	1507.36	1583.08	1583.08
65	1487.49	1562.22	1562.22
70	1463.66	1537.21	1537.21
75	1435.62	1507.77	1507.77
80	1403.21	1473.75	1473.75
85	1366.41	1435.12	1435.12
90	1325.32	1391.99	1391.99
95	1280.21	1344.63	1344.63
100	1231.46	1293.46	1293.46
105	1179.65	1239.08	1239.08
110	1125.45	1182.19	1182.19
115	1069.68	1123.66	1123.66
120	1013.24	1064.42	1064.42
125	957.11	1005.52	1005.52
130	902.30	947.99	947.99
135	849.79	892.90	892.90
140	800.52	841.20	841.20
145	755.32	793.78	793.78
150	714.85	751.33	753.51
155	679.57	714.32	723.22
160	649.67	682.96	702.90
165	625.11	657.21	691.56
170	605.63	636.78	687.41
175	590.77	621.20	688.22

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.

15 Feb 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	579.99	609.90	691.69
185	572.77	602.32	695.76
190	568.63	597.99	698.86
195	567.29	596.58	700.00
200	568.63	597.99	698.86
205	572.77	602.32	695.76
210	579.99	609.90	691.69
215	590.77	621.20	688.22
220	605.63	636.78	687.41
225	625.11	657.21	691.56
230	649.67	682.96	702.90
235	679.57	714.32	723.23
240	714.85	751.33	753.51
245	755.32	793.78	793.78
250	800.52	841.20	841.20
255	849.79	892.90	892.90
260	902.30	947.99	947.99
265	957.11	1005.52	1005.52
270	1013.24	1064.42	1064.42
275	1069.68	1123.66	1123.66
280	1125.45	1182.19	1182.19
285	1179.65	1239.08	1239.08
290	1231.47	1293.47	1293.47
295	1280.21	1344.63	1344.63
300	1325.33	1391.99	1391.99
305	1366.41	1435.12	1435.12
310	1403.21	1473.75	1473.75
315	1435.62	1507.77	1507.77
320	1463.66	1537.21	1537.21
325	1487.49	1562.22	1562.22
330	1507.36	1583.08	1583.08
335	1523.59	1600.12	1600.12
340	1536.58	1613.75	1613.75
345	1546.73	1624.41	1624.41
350	1554.46	1632.53	1632.53
355	1560.17	1638.52	1638.52