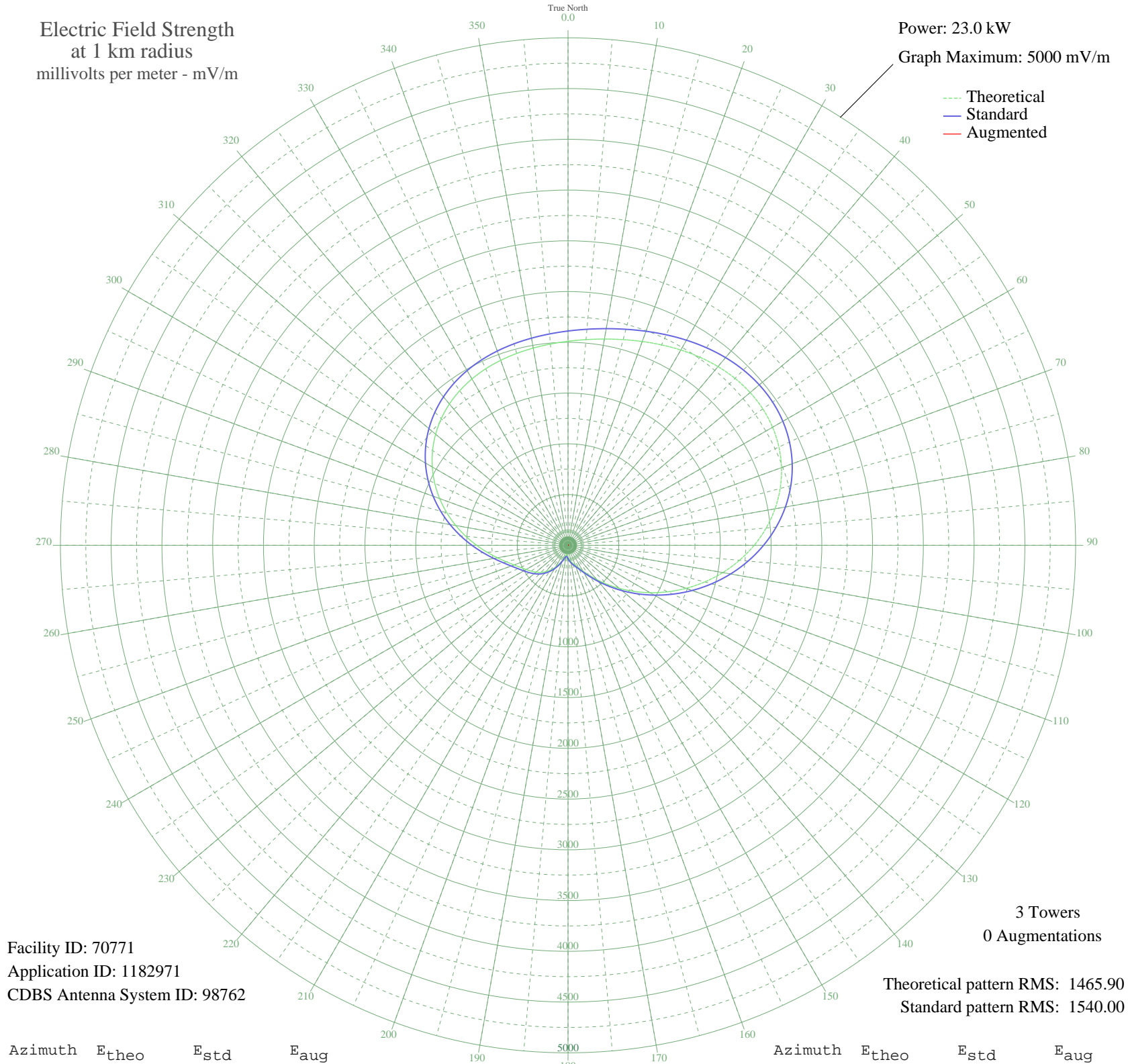


WRRD WAUKESHA, WI BL-20070413AHA 1510 kHz

Daytime

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

Power: 23.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 70771
Application ID: 1182971
CDBS Antenna System ID: 98762

Theoretical pattern RMS: 1465.90
Standard pattern RMS: 1540.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2010.22	2111.33	
5	2034.36	2136.67	
10	2063.55	2167.32	
15	2097.96	2203.43	
20	2136.91	2244.32	
25	2178.94	2288.44	
30	2221.84	2333.47	
35	2262.80	2376.47	
40	2298.63	2414.08	
45	2325.99	2442.81	
50	2341.63	2459.23	
55	2342.65	2460.30	
60	2326.64	2443.49	
65	2291.89	2407.01	
70	2237.49	2349.90	
75	2163.35	2272.07	
80	2070.21	2174.31	
85	1959.62	2058.22	
90	1833.77	1926.11	
95	1695.42	1780.90	
100	1547.73	1625.90	
105	1394.15	1464.72	
110	1238.21	1301.10	
115	1083.45	1138.74	
120	933.31	981.27	
125	791.03	832.10	
130	659.61	694.41	
135	541.77	571.08	
140	439.89	464.62	
145	355.78	376.95	
150	290.26	308.90	
155	242.33	259.38	
160	208.52	224.66	
165	183.39	199.03	
170	161.41	176.80	
175	138.99	154.38	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	115.92	131.72	
185	97.19	113.80	
190	94.31	111.09	
195	115.32	131.14	
200	153.83	169.19	
205	200.37	216.33	
210	248.90	266.15	
215	295.78	314.62	
220	338.84	359.33	
225	377.20	399.25	
230	411.36	434.86	
235	443.36	468.25	
240	476.72	503.08	
245	515.93	544.06	
250	565.46	595.87	
255	628.53	661.87	
260	706.24	743.26	
265	797.57	838.96	
270	899.85	946.19	
275	1009.53	1061.20	
280	1122.76	1179.97	
285	1235.83	1298.60	
290	1345.42	1413.58	
295	1448.73	1522.00	
300	1543.59	1621.56	
305	1628.48	1710.65	
310	1702.52	1788.35	
315	1765.42	1854.38	
320	1817.49	1909.03	
325	1859.52	1953.15	
330	1892.74	1988.02	
335	1918.76	2015.32	
340	1939.44	2037.03	
345	1956.84	2055.30	
350	1973.10	2072.37	
355	1990.28	2090.40	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission