

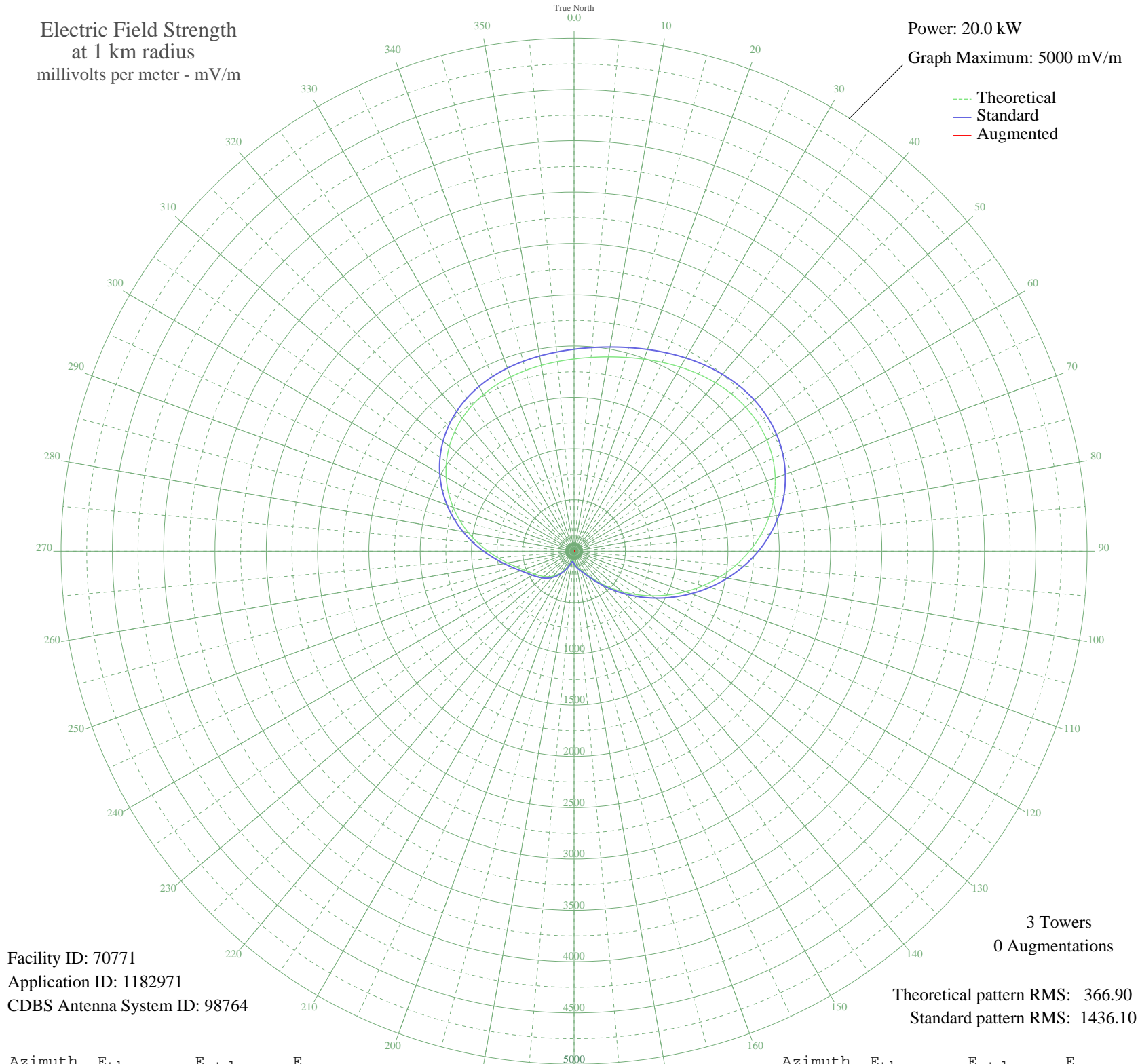
WRRD WAUKESHA, WI BL-20070413AHA 1510 kHz

Critical Hours

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 70771  
Application ID: 1182971  
CDBS Antenna System ID: 98764

3 Towers  
0 Augmentations

Theoretical pattern RMS: 366.90  
Standard pattern RMS: 1436.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1874.46	1968.67	
5	1896.97	1992.30	
10	1924.19	2020.87	
15	1956.27	2054.55	
20	1992.59	2092.68	
25	2031.79	2133.82	
30	2071.79	2175.81	
35	2109.98	2215.91	
40	2143.39	2250.98	
45	2168.90	2277.77	
50	2183.49	2293.08	
55	2184.44	2294.07	
60	2169.51	2278.40	
65	2137.11	2244.39	
70	2086.38	2191.13	
75	2017.24	2118.56	
80	1930.40	2027.39	
85	1827.28	1919.14	
90	1709.92	1795.95	
95	1580.91	1660.54	
100	1443.21	1516.00	
105	1300.00	1365.70	
110	1154.59	1213.10	
115	1010.28	1061.70	
120	870.28	914.84	
125	737.60	775.72	
130	615.06	647.29	
135	505.18	532.24	
140	410.18	432.90	
145	331.75	351.07	
150	270.65	287.53	
155	225.96	241.25	
160	194.44	208.79	
165	171.00	184.80	
170	150.51	163.97	
175	129.60	142.94	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	108.09	121.63	
185	90.63	104.72	
190	87.94	102.17	
195	107.53	121.08	
200	143.44	156.83	
205	186.84	200.99	
210	232.09	247.58	
215	275.80	292.88	
220	315.96	334.63	
225	351.73	371.89	
230	383.58	405.13	
235	413.42	436.29	
240	444.52	468.79	
245	481.09	507.03	
250	527.27	555.36	
255	586.08	616.93	
260	658.55	692.86	
265	743.71	782.12	
270	839.08	882.12	
275	941.35	989.38	
280	1046.93	1100.15	
285	1152.37	1210.77	
290	1254.55	1318.01	
295	1350.89	1419.11	
300	1439.35	1511.95	
305	1518.50	1595.03	
310	1587.54	1667.49	
315	1646.19	1729.06	
320	1694.75	1780.02	
325	1733.94	1821.16	
330	1764.92	1853.68	
335	1789.17	1879.14	
340	1808.46	1899.38	
345	1824.69	1916.42	
350	1839.85	1932.34	
355	1855.87	1949.15	

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.

27 Aug 2020

Prepared by Audio Division, Media Bureau  
Federal Communications Commission