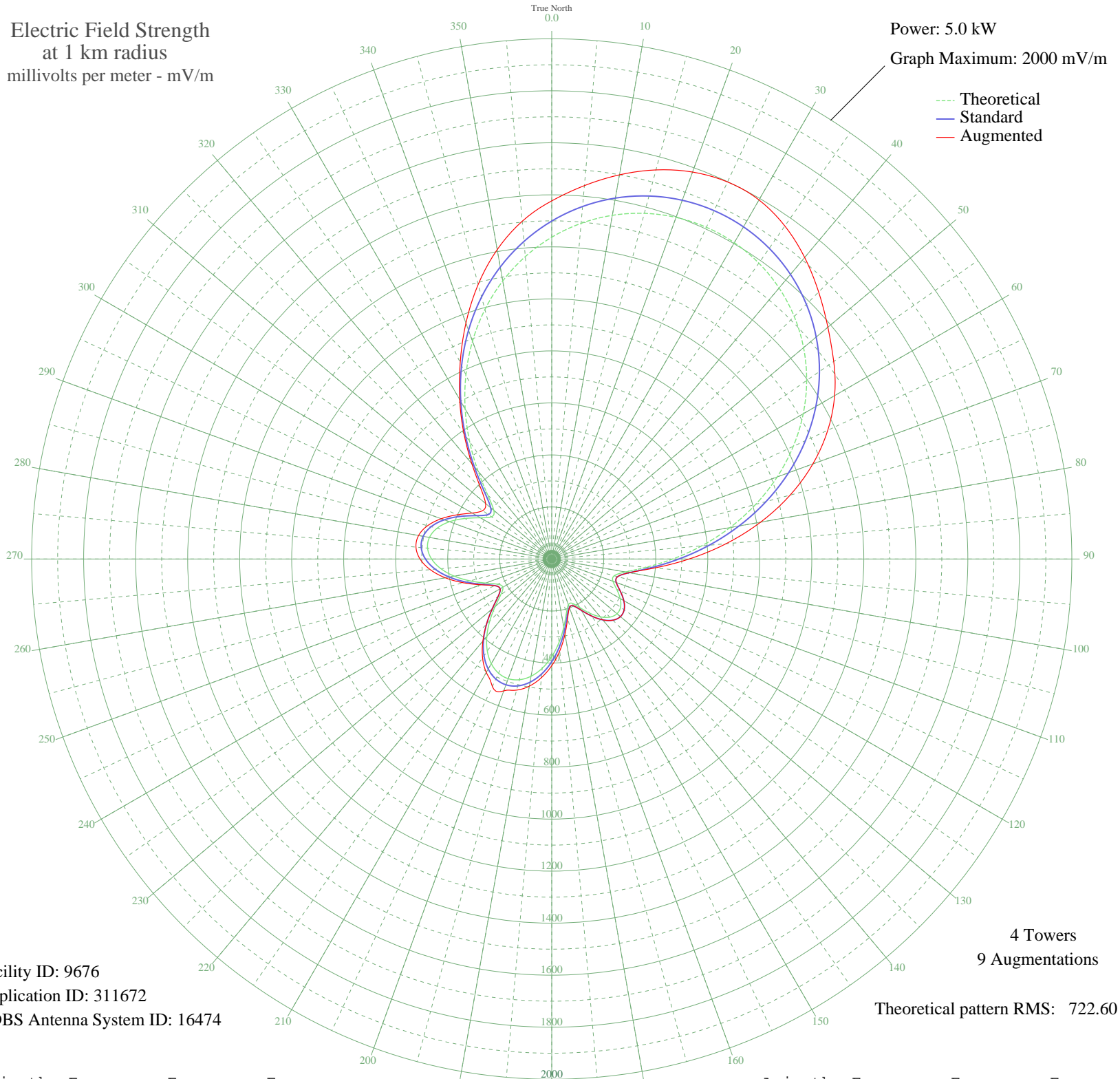


# WWTC MINNEAPOLIS, MN BL-- 1280 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 9676  
Application ID: 311672  
CDBS Antenna System ID: 16474

4 Towers  
9 Augmentations

Theoretical pattern RMS: 722.60

Azimuth	Etheo	Estd	Eaug
0	1237.08	1299.15	1376.76
5	1295.37	1360.34	1440.90
10	1341.62	1408.89	1499.66
15	1375.71	1444.69	1548.56
20	1397.57	1467.64	1583.03
25	1407.09	1477.63	1599.42
30	1404.13	1474.52	1593.90
35	1388.51	1458.12	1562.89
40	1360.06	1428.25	1513.12
45	1318.61	1384.74	1451.55
50	1264.12	1327.53	1386.15
55	1196.68	1256.73	1323.73
60	1116.69	1172.76	1256.11
65	1024.96	1076.46	1171.22
70	922.79	969.22	1068.56
75	812.24	853.17	949.10
80	696.19	731.38	815.54
85	578.70	608.08	672.73
90	465.39	489.22	528.62
95	364.41	383.35	396.87
100	287.64	302.93	302.93
105	248.77	262.26	262.26
110	250.38	263.95	263.95
115	275.54	290.26	290.26
120	303.86	319.92	319.92
125	323.03	339.99	339.99
130	327.51	344.69	344.69
135	316.01	332.64	332.64
140	290.11	305.52	305.52
145	254.10	267.84	267.84
150	215.83	227.84	227.84
155	188.29	199.09	199.09
160	187.13	197.89	199.19
165	216.79	228.84	236.08
170	265.99	280.27	293.35
175	321.73	338.63	354.60

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	Etheo	Estd	Eaug
180	375.43	394.90	410.38
185	421.83	443.54	458.16
190	457.60	481.05	496.39
195	480.61	505.19	521.83
200	489.65	514.67	539.54
205	484.25	509.00	540.44
210	464.68	488.48	503.42
215	432.02	454.23	463.77
220	388.31	408.40	412.04
225	336.99	354.62	354.75
230	283.90	299.02	299.02
235	238.96	252.00	252.00
240	216.97	229.02	229.02
245	229.28	241.88	242.36
250	270.43	284.92	289.64
255	325.05	342.11	352.62
260	380.34	400.05	415.69
265	427.87	449.88	469.07
270	462.07	485.74	506.52
275	479.29	503.80	524.14
280	477.56	501.98	520.01
285	456.65	480.06	494.34
290	418.57	440.13	452.47
295	368.47	387.60	401.86
300	316.84	333.51	353.38
305	282.87	297.94	324.21
310	290.81	306.25	332.03
315	348.38	366.56	386.96
320	440.64	463.27	477.93
325	550.26	578.24	588.90
330	665.96	699.65	708.11
335	780.92	820.31	832.91
340	890.85	935.69	964.96
345	992.92	1042.84	1092.84
350	1085.34	1139.85	1207.65
355	1166.95	1225.52	1303.38