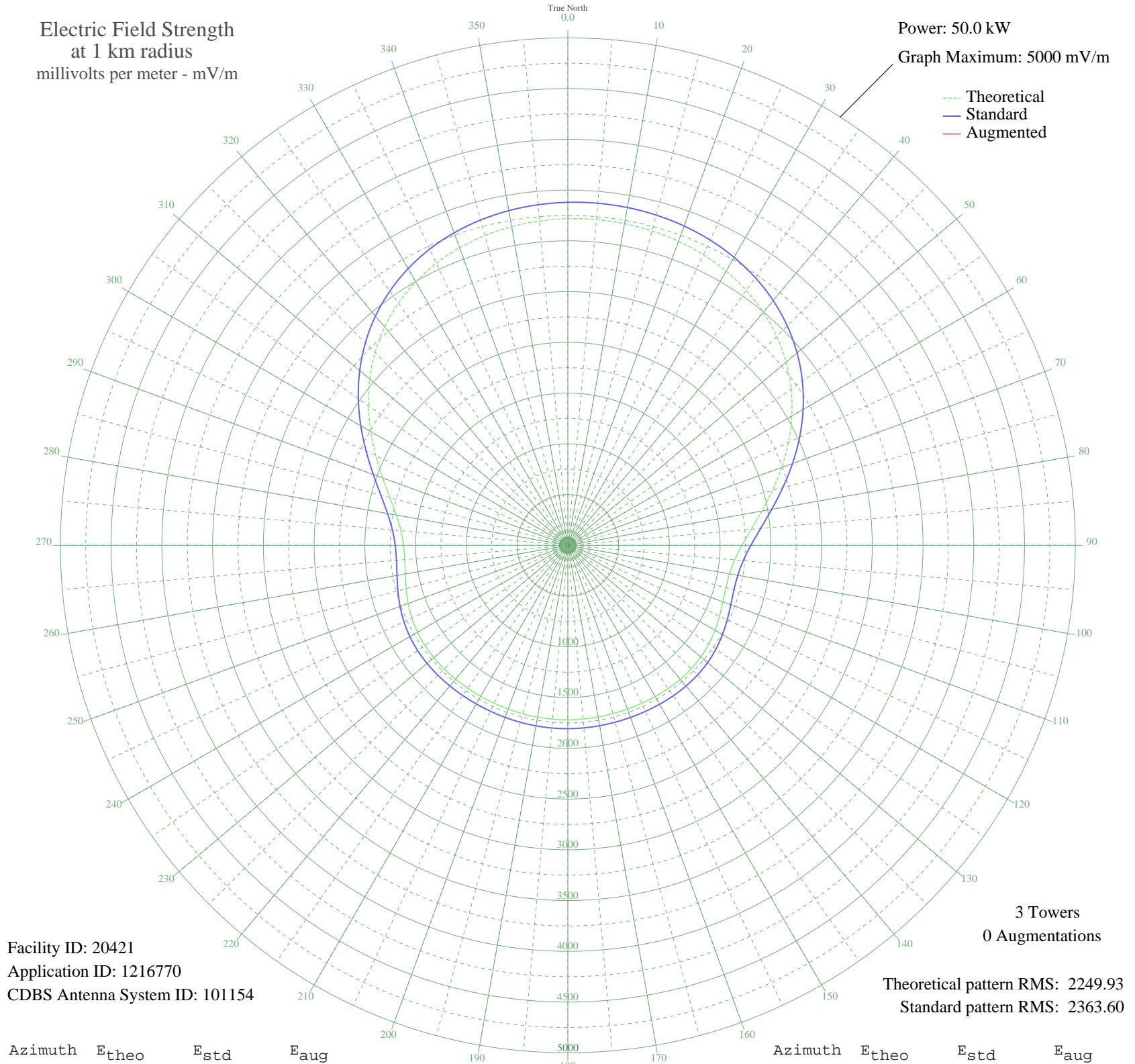


# WCCW TRAVERSE CITY, MI BP-20071123AAG 1310 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 20421  
Application ID: 1216770  
CDBS Antenna System ID: 101154

3 Towers  
0 Augmentations

Theoretical pattern RMS: 2249.93  
Standard pattern RMS: 2363.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3217.71	3379.41	
5	3221.19	3383.07	
10	3217.71	3379.41	
15	3206.95	3368.11	
20	3187.99	3348.22	
25	3159.42	3318.22	
30	3119.40	3276.21	
35	3065.91	3220.06	
40	2997.00	3147.73	
45	2911.08	3057.54	
50	2807.28	2948.58	
55	2685.86	2821.13	
60	2548.54	2677.00	
65	2398.90	2519.94	
70	2242.49	2355.79	
75	2086.86	2192.46	
80	1941.12	2039.52	
85	1814.88	1907.07	
90	1716.53	1803.89	
95	1651.05	1735.19	
100	1618.26	1700.79	
105	1612.87	1695.14	
110	1626.27	1709.19	
115	1649.21	1733.26	
120	1673.94	1759.21	
125	1695.24	1781.55	
130	1710.51	1797.57	
135	1719.33	1806.82	
140	1722.74	1810.40	
145	1722.52	1810.17	
150	1720.55	1808.10	
155	1718.36	1805.81	
160	1716.91	1804.28	
165	1716.53	1803.88	
170	1717.03	1804.41	
175	1717.97	1805.39	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1718.80	1806.26	
185	1719.12	1806.61	
190	1718.80	1806.26	
195	1717.97	1805.39	
200	1717.03	1804.41	
205	1716.53	1803.88	
210	1716.91	1804.28	
215	1718.36	1805.81	
220	1720.55	1808.10	
225	1722.52	1810.17	
230	1722.74	1810.40	
235	1719.33	1806.82	
240	1710.51	1797.57	
245	1695.24	1781.55	
250	1673.94	1759.21	
255	1649.21	1733.26	
260	1626.27	1709.19	
265	1612.87	1695.14	
270	1618.26	1700.79	
275	1651.05	1735.19	
280	1716.53	1803.89	
285	1814.88	1907.07	
290	1941.12	2039.53	
295	2086.86	2192.46	
300	2242.49	2355.79	
305	2398.90	2519.94	
310	2548.55	2677.00	
315	2685.86	2821.13	
320	2807.28	2948.58	
325	2911.08	3057.54	
330	2997.00	3147.73	
335	3065.91	3220.07	
340	3119.40	3276.21	
345	3159.42	3318.22	
350	3188.00	3348.22	
355	3206.95	3368.11	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission