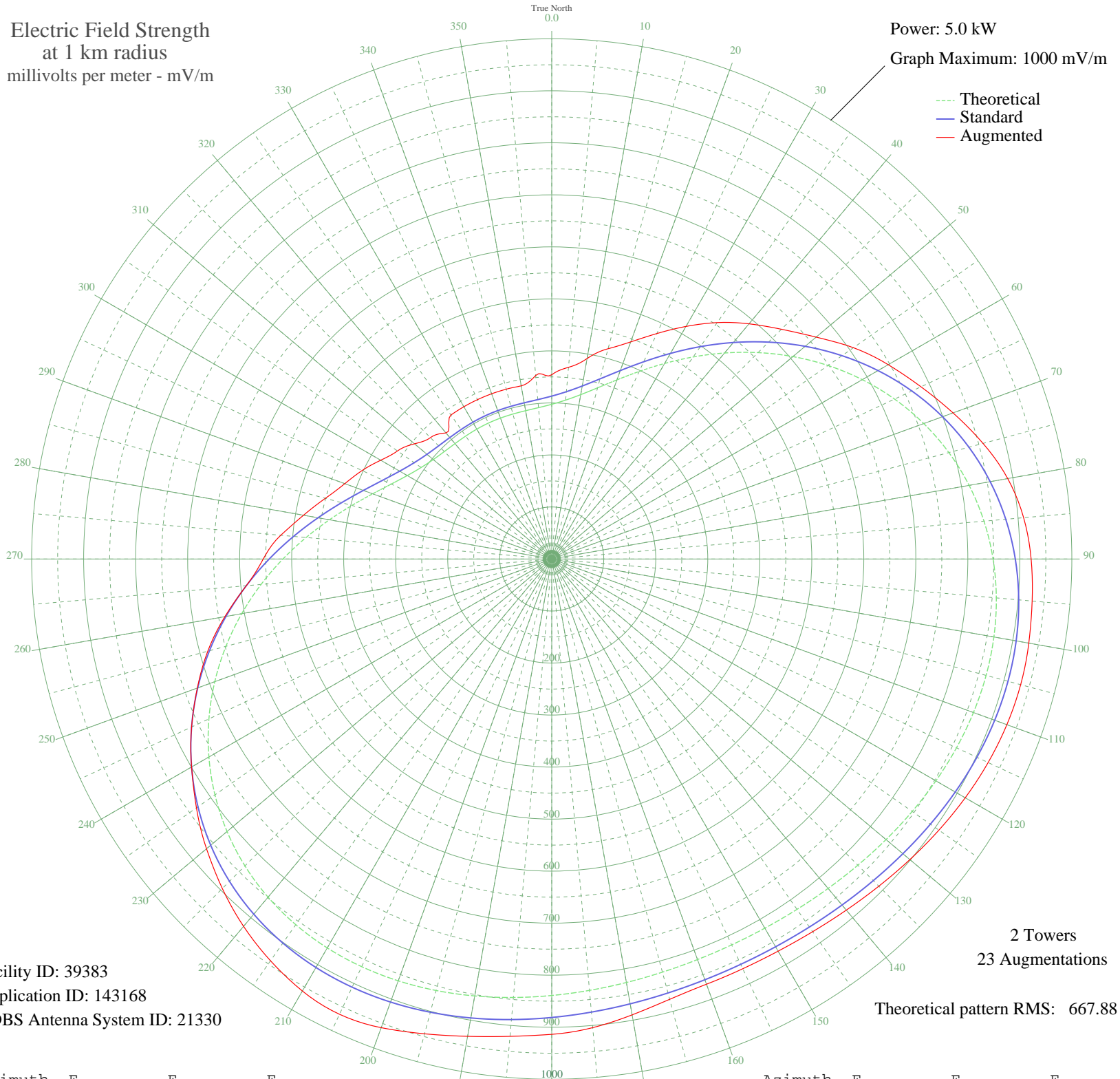


# WIMS MICHIGAN CITY, IN BL-- 1420 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 39383  
Application ID: 143168  
CDBS Antenna System ID: 21330

2 Towers  
23 Augmentations  
Theoretical pattern RMS: 667.88

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	297.37	313.12	354.15
5	306.59	322.78	369.86
10	320.78	337.63	391.26
15	340.63	358.43	418.43
20	366.38	385.41	444.13
25	397.73	418.28	478.14
30	433.98	456.28	516.19
35	474.09	498.35	554.78
40	516.86	543.21	590.09
45	561.03	589.55	624.54
50	605.31	636.01	663.58
55	648.51	681.34	708.11
60	689.49	724.35	747.03
65	727.32	764.05	783.30
70	761.19	799.59	821.11
75	790.51	830.37	858.49
80	814.92	855.99	890.24
85	834.25	876.27	910.77
90	848.55	891.29	921.73
95	858.08	901.29	927.22
100	863.26	906.72	931.40
105	864.64	908.17	933.42
110	862.88	906.33	931.23
115	858.71	901.95	925.80
120	852.86	895.81	918.00
125	846.08	888.69	908.72
130	839.04	881.31	898.90
135	832.38	874.31	889.41
140	826.62	868.27	881.08
145	822.20	863.63	874.58
150	819.41	860.71	870.46
155	818.47	859.71	869.05
160	819.41	860.71	869.81
165	822.20	863.63	876.24
170	826.62	868.27	889.81
175	832.38	874.31	904.29

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	839.04	881.31	913.71
185	846.08	888.69	921.08
190	852.86	895.81	931.68
195	858.71	901.95	944.90
200	862.88	906.33	958.74
205	864.64	908.17	965.61
210	863.26	906.72	958.90
215	858.08	901.29	942.77
220	848.55	891.29	921.80
225	834.25	876.27	895.73
230	814.92	855.99	866.52
235	790.51	830.37	834.01
240	761.19	799.59	799.59
245	727.32	764.05	764.05
250	689.49	724.35	725.16
255	648.51	681.34	684.69
260	605.31	636.01	638.19
265	561.03	589.55	589.55
270	516.86	543.21	554.70
275	474.09	498.35	523.04
280	433.98	456.28	484.62
285	397.73	418.28	450.62
290	366.38	385.41	423.43
295	340.63	358.43	402.34
300	320.78	337.63	379.69
305	306.59	322.78	362.10
310	297.37	313.12	344.44
315	292.05	307.55	329.92
320	289.45	304.83	316.30
325	288.46	303.79	317.96
330	288.23	303.55	317.96
335	288.22	303.54	317.96
340	288.23	303.55	317.96
345	288.46	303.79	317.96
350	289.45	304.83	317.96
355	292.05	307.55	354.19