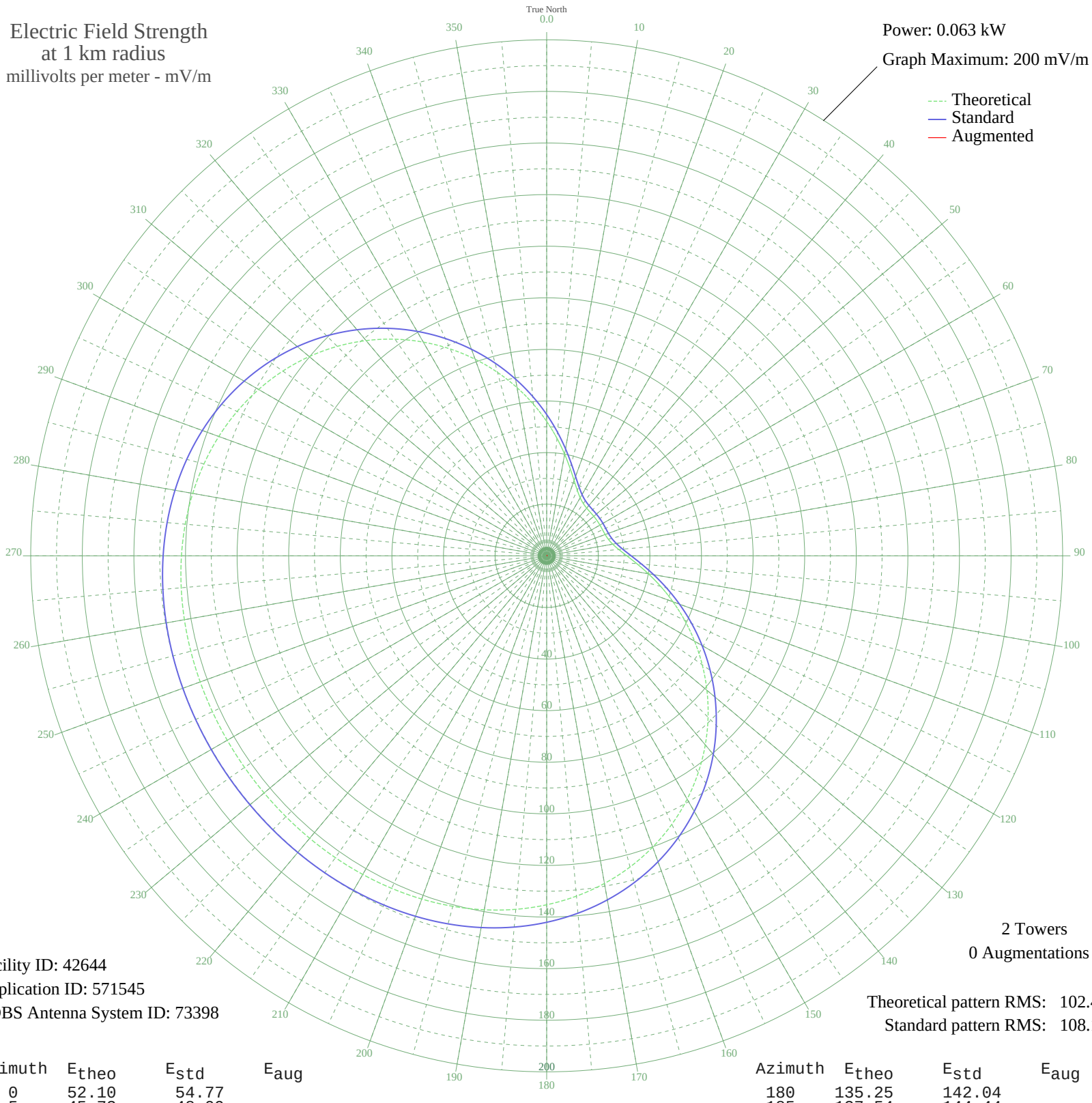
WIHM TAYLORVILLE, IL BML-20010530ADB 1410 kHz

Nighttime

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



Power: 0.063 kW

Graph Maximum: 200 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 42644
Application ID: 571545
CDBS Antenna System ID: 73398

Theoretical pattern RMS: 102.49
Standard pattern RMS: 108.13

Azimuth	E_{theo}	E_{std}	E_{aug}
0	52.10	54.77	
5	45.73	48.09	
10	40.01	42.10	
15	35.09	36.94	
20	31.08	32.75	
25	28.05	29.58	
30	25.98	27.42	
35	24.75	26.12	
40	24.13	25.47	
45	23.89	25.23	
50	23.83	25.17	
55	23.83	25.16	
60	23.83	25.17	
65	23.89	25.23	
70	24.13	25.47	
75	24.75	26.12	
80	25.98	27.42	
85	28.05	29.58	
90	31.08	32.75	
95	35.09	36.94	
100	40.01	42.10	
105	45.73	48.09	
110	52.10	54.77	
115	58.98	61.98	
120	66.20	69.56	
125	73.61	77.34	
130	81.09	85.18	
135	88.47	92.94	
140	95.65	100.46	
145	102.49	107.65	
150	108.90	114.38	
155	114.81	120.58	
160	120.14	126.18	
165	124.86	131.13	
170	128.94	135.42	
175	132.40	139.05	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	135.25	142.04	
185	137.54	144.44	
190	139.31	146.30	
195	140.63	147.69	
200	141.57	148.67	
205	142.20	149.34	
210	142.59	149.75	
215	142.81	149.98	
220	142.92	150.09	
225	142.96	150.13	
230	142.97	150.14	
235	142.97	150.14	
240	142.97	150.14	
245	142.96	150.13	
250	142.92	150.09	
255	142.81	149.98	
260	142.59	149.75	
265	142.20	149.34	
270	141.57	148.67	
275	140.63	147.69	
280	139.31	146.30	
285	137.54	144.44	
290	135.25	142.04	
295	132.40	139.05	
300	128.94	135.42	
305	124.86	131.13	
310	120.14	126.18	
315	114.81	120.58	
320	108.90	114.38	
325	102.49	107.65	
330	95.65	100.46	
335	88.47	92.94	
340	81.09	85.18	
345	73.61	77.34	
350	66.20	69.56	
355	58.98	61.98	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission