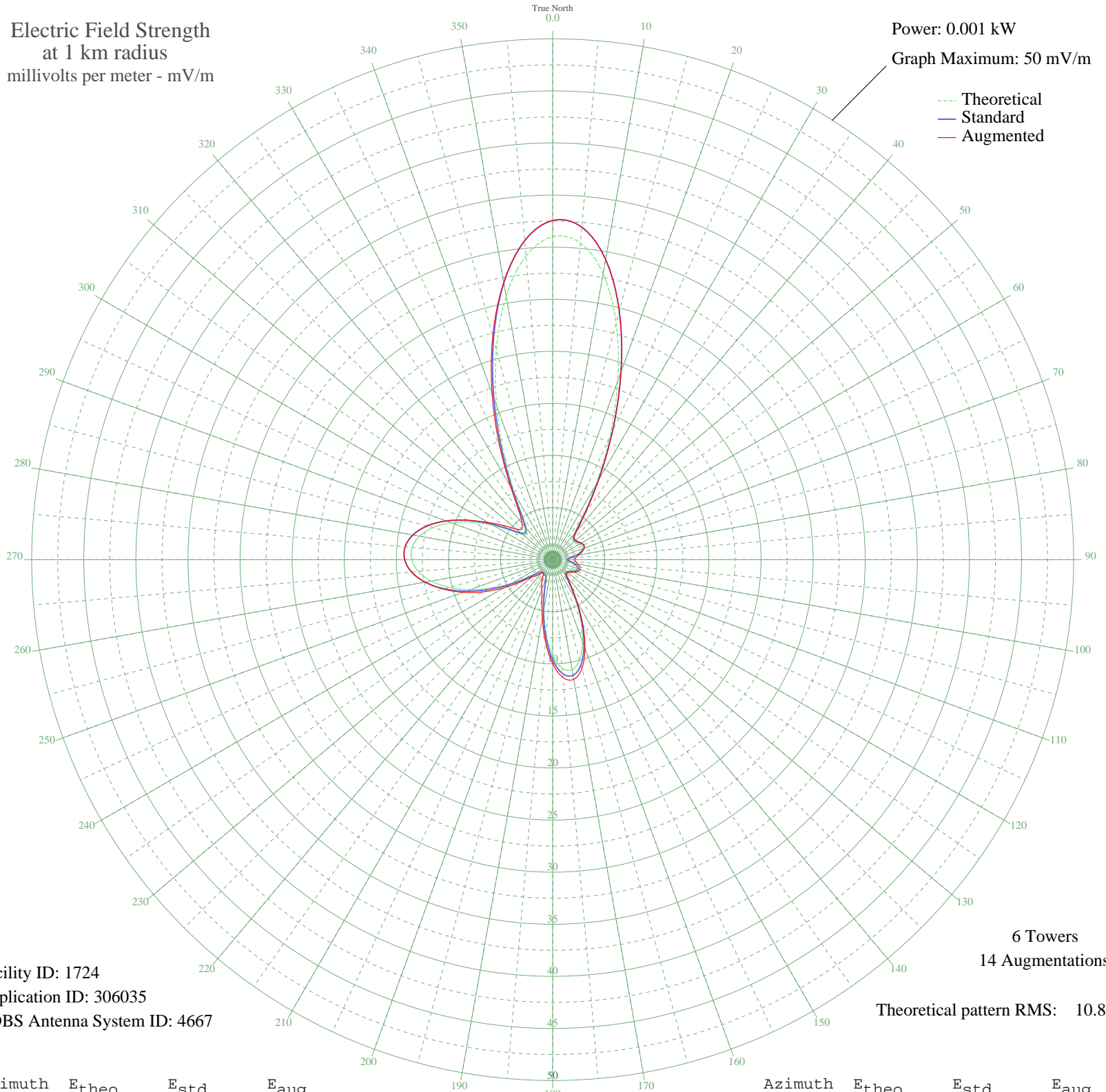


# WRFM MUNCIE, IN BL-10879 990 kHz

Nighttime

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

Power: 0.001 kW  
Graph Maximum: 50 mV/m



Facility ID: 1724  
Application ID: 306035  
CDBS Antenna System ID: 4667

6 Towers  
14 Augmentations  
Theoretical pattern RMS: 10.86

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	31.01	32.56	32.56
5	30.52	32.05	32.05
10	27.87	29.27	29.27
15	23.53	24.71	24.71
20	18.26	19.18	19.18
25	12.92	13.57	13.57
30	8.30	8.72	8.80
35	4.97	5.23	5.50
40	3.21	3.39	3.61
45	2.69	2.85	2.91
50	2.67	2.82	2.90
55	2.79	2.95	3.01
60	2.99	3.16	3.18
65	3.12	3.29	3.29
70	3.04	3.21	3.21
75	2.69	2.85	2.91
80	2.14	2.28	2.54
85	1.55	1.67	2.22
90	1.27	1.38	2.10
95	1.52	1.64	2.23
100	1.97	2.10	2.49
105	2.32	2.46	2.71
110	2.46	2.61	2.80
115	2.38	2.52	2.69
120	2.15	2.29	2.40
125	1.90	2.03	2.07
130	1.72	1.84	1.91
135	1.64	1.76	1.90
140	1.86	1.99	2.20
145	2.73	2.89	3.10
150	4.32	4.55	4.65
155	6.33	6.66	6.82
160	8.36	8.79	9.07
165	9.96	10.47	10.83
170	10.73	11.28	11.67
175	10.45	10.98	11.35

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.

06 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	9.14	9.61	9.97
185	7.10	7.46	7.90
190	4.82	5.07	5.70
195	2.86	3.03	4.00
200	1.77	1.90	3.07
205	1.55	1.67	2.49
210	1.50	1.62	1.90
215	1.43	1.54	1.54
220	1.45	1.57	1.72
225	1.61	1.73	2.13
230	2.04	2.17	2.60
235	3.00	3.17	3.68
240	4.53	4.77	5.39
245	6.42	6.75	7.30
250	8.41	8.84	9.16
255	10.28	10.80	10.89
260	11.83	12.43	12.43
265	12.94	13.59	13.59
270	13.52	14.20	14.20
275	13.53	14.21	14.21
280	12.97	13.63	13.63
285	11.88	12.48	12.48
290	10.34	10.87	10.87
295	8.50	8.93	8.93
300	6.56	6.90	7.13
305	4.85	5.10	5.70
310	3.76	3.97	4.57
315	3.51	3.71	4.20
320	3.89	4.10	4.56
325	4.96	5.22	5.60
330	7.25	7.62	8.02
335	10.95	11.50	12.04
340	15.71	16.49	17.00
345	20.88	21.93	22.22
350	25.68	26.97	27.05
355	29.28	30.74	30.74