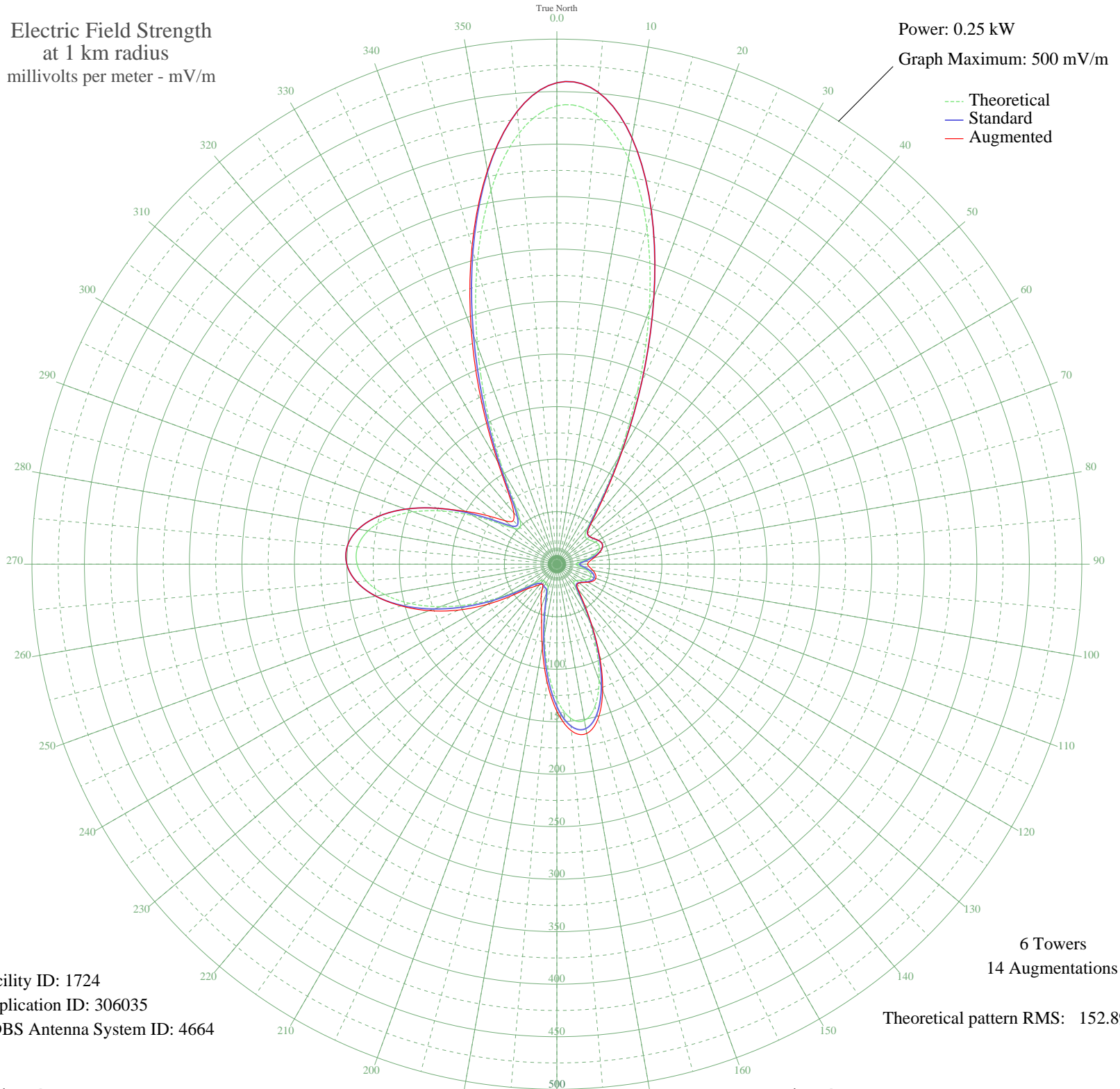


# WRFM MUNCIE, IN BL-10879 990 kHz

Daytime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 1724  
Application ID: 306035  
CDBS Antenna System ID: 4664

6 Towers  
14 Augmentations  
Theoretical pattern RMS: 152.89

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	436.50	458.44	458.44
5	429.62	451.22	451.22
10	392.36	412.11	412.11
15	331.27	347.99	347.99
20	257.03	270.09	270.09
25	181.85	191.23	191.23
30	116.80	123.09	124.01
35	69.97	74.21	77.23
40	45.20	48.61	50.94
45	37.92	41.18	41.32
50	37.53	40.78	40.96
55	39.31	42.59	42.72
60	42.09	45.42	45.46
65	43.89	47.26	47.26
70	42.73	46.08	46.08
75	37.90	41.16	41.85
80	30.13	33.34	36.19
85	21.84	25.22	31.22
90	17.85	21.48	29.29
95	21.38	24.78	31.16
100	27.76	30.98	34.94
105	32.68	35.88	38.12
110	34.58	37.80	39.43
115	33.44	36.65	38.08
120	30.27	33.48	34.40
125	26.75	29.98	30.29
130	24.18	27.47	27.82
135	23.15	26.48	27.20
140	26.17	29.41	31.53
145	38.44	41.70	44.26
150	60.75	64.64	65.93
155	89.10	94.14	96.14
160	117.73	124.06	127.47
165	140.26	147.65	151.97
170	151.11	159.01	163.69
175	147.11	154.82	159.33

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	128.68	135.52	140.00
185	99.96	105.48	111.01
190	67.82	71.98	80.14
195	40.32	43.62	56.33
200	24.98	28.26	43.39
205	21.80	25.19	35.63
210	21.13	24.55	28.08
215	20.06	23.54	23.54
220	20.40	23.86	25.40
225	22.67	26.02	30.09
230	28.70	31.91	36.37
235	42.28	45.62	52.03
240	63.79	67.80	76.59
245	90.35	95.45	103.45
250	118.40	124.76	129.46
255	144.68	152.27	153.57
260	166.56	175.20	175.20
265	182.17	191.56	191.56
270	190.32	200.11	200.11
275	190.47	200.27	200.27
280	182.61	192.02	192.02
285	167.27	175.94	175.94
290	145.62	153.26	153.26
295	119.63	126.05	126.05
300	92.35	97.53	100.63
305	68.25	72.43	80.47
310	52.98	56.61	64.38
315	49.45	52.97	58.79
320	54.77	58.46	63.83
325	69.88	74.12	78.46
330	102.08	107.69	112.70
335	154.08	162.12	169.11
340	221.08	232.38	238.92
345	294.00	308.88	312.60
350	361.53	379.75	380.77
355	412.15	432.89	432.89

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission