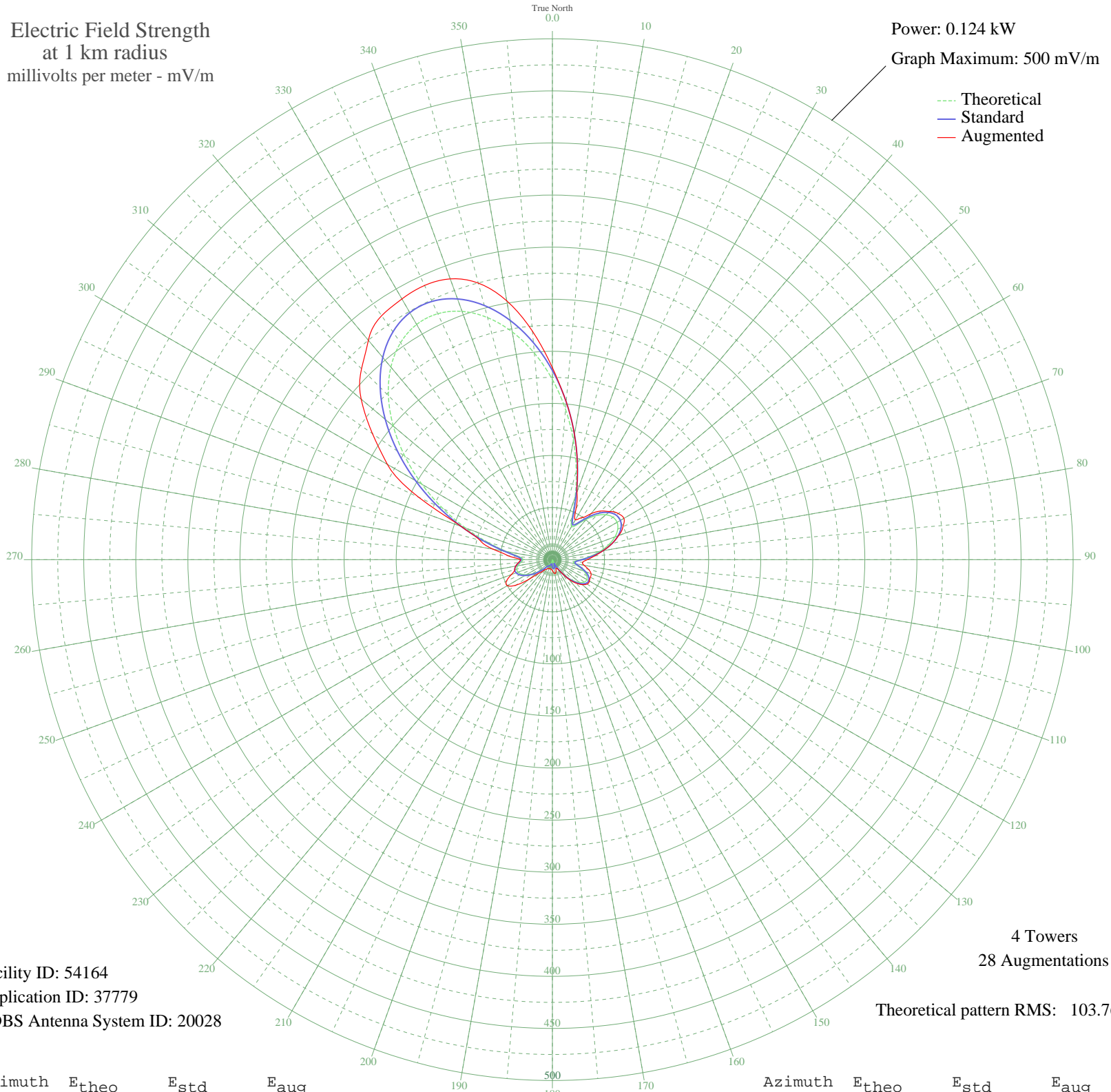


# KMJM CEDAR RAPIDS, IA BL-19820106AK 1360 kHz

Nighttime

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

Power: 0.124 kW  
Graph Maximum: 500 mV/m



Facility ID: 54164  
Application ID: 37779  
CDBS Antenna System ID: 20028

4 Towers  
28 Augmentations  
Theoretical pattern RMS: 103.76

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	172.91	181.59	184.34
5	144.81	152.10	152.10
10	116.18	122.05	122.05
15	88.52	93.02	93.02
20	63.73	67.02	68.91
25	44.83	47.21	53.48
30	36.80	38.82	44.19
35	41.00	43.21	49.15
40	50.58	53.24	57.50
45	59.99	63.10	66.00
50	67.04	70.49	71.86
55	71.00	74.64	77.15
60	71.69	75.36	79.30
65	69.22	72.78	74.72
70	63.90	67.20	67.69
75	56.19	59.11	59.11
80	46.73	49.21	49.37
85	36.48	38.48	40.56
90	26.97	28.55	33.58
95	20.95	22.31	29.06
100	21.36	22.74	30.83
105	26.42	27.99	35.79
110	32.16	33.97	39.50
115	36.42	38.41	40.22
120	38.27	40.36	40.99
125	37.47	39.51	40.80
130	34.13	36.02	37.29
135	28.72	30.38	31.70
140	21.90	23.29	24.16
145	14.49	15.66	15.66
150	7.30	8.51	10.32
155	1.06	3.86	9.10
160	3.69	5.36	10.05
165	6.64	7.89	12.66
170	7.73	8.92	13.57
175	7.17	8.39	12.19

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	5.35	6.72	10.50
185	2.79	4.71	9.45
190	0.06	3.70	9.10
195	2.35	4.45	9.21
200	4.02	5.61	9.37
205	4.85	6.29	9.30
210	5.19	6.59	10.40
215	6.20	7.48	11.30
220	8.92	10.07	14.42
225	13.20	14.35	18.33
230	18.37	19.64	29.04
235	23.76	25.22	42.63
240	28.74	30.40	49.90
245	32.71	34.54	48.66
250	35.10	37.04	42.00
255	35.49	37.45	37.45
260	33.75	35.63	35.78
265	30.49	32.23	32.75
270	28.21	29.85	30.60
275	31.91	33.71	42.54
280	44.51	46.88	57.84
285	64.22	67.54	72.14
290	88.64	93.15	93.15
295	115.96	121.81	141.61
300	144.58	151.85	183.00
305	172.94	181.63	210.93
310	199.49	209.49	239.71
315	222.71	233.88	259.18
320	241.31	253.40	274.94
325	254.21	266.95	285.89
330	260.72	273.78	289.00
335	260.51	273.56	290.44
340	253.64	266.35	286.83
345	240.56	252.61	274.86
350	222.04	233.17	252.27
355	199.09	209.08	220.22