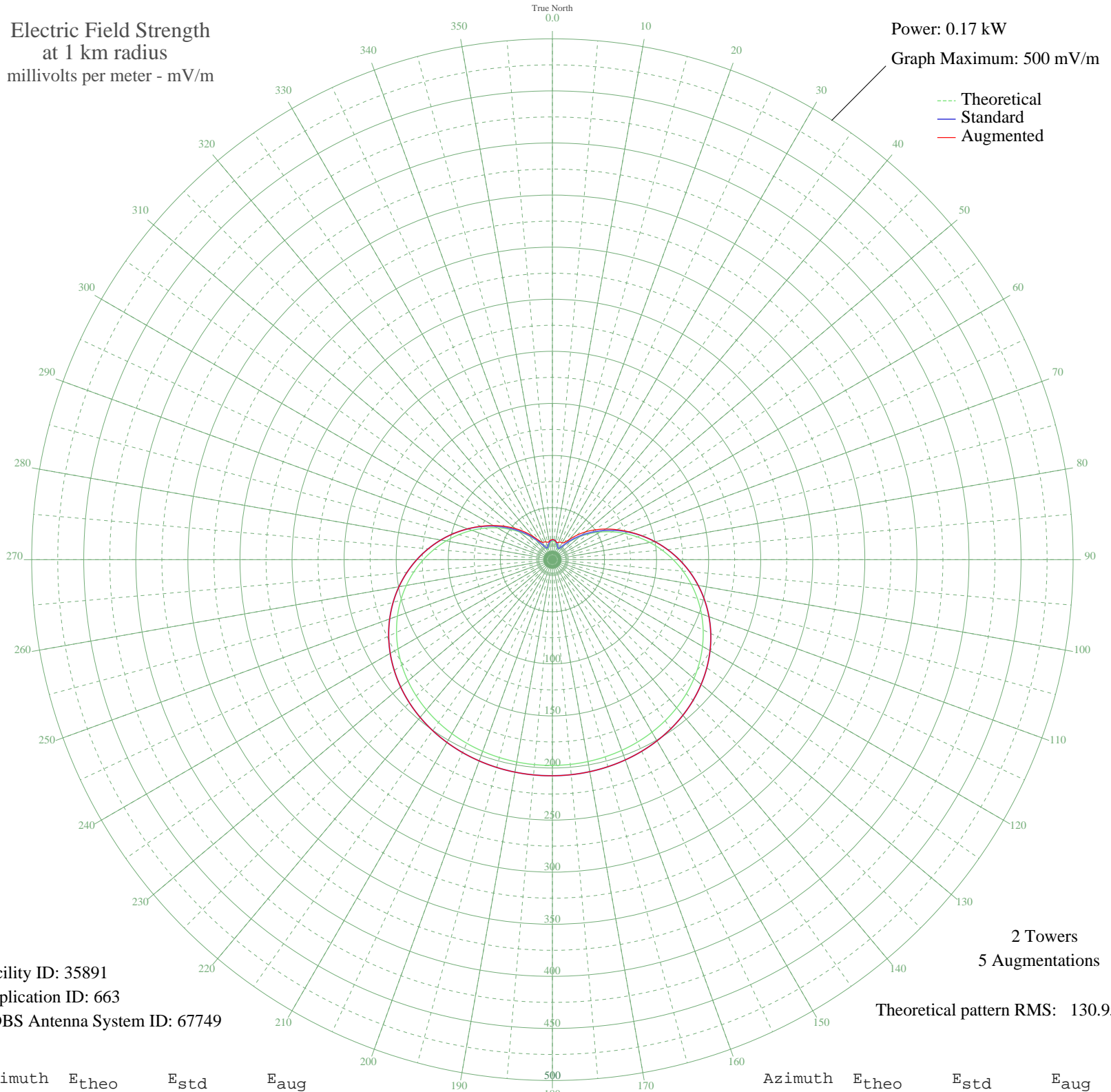


KWMT FORT DODGE, IA BL-14509 540 kHz

Nighttime

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

Power: 0.17 kW
Graph Maximum: 500 mV/m



Facility ID: 35891
Application ID: 663
CDBS Antenna System ID: 67749

2 Towers
5 Augmentations
Theoretical pattern RMS: 130.95

Azimuth	E _{theo}	E _{std}	E _{aug}
0	17.70	19.09	19.15
5	17.62	19.00	19.00
10	16.69	18.06	18.06
15	15.04	16.37	16.94
20	12.93	14.25	17.71
25	11.10	12.44	18.60
30	10.98	12.32	18.60
35	13.80	15.13	20.17
40	19.15	20.57	25.23
45	26.17	27.82	33.09
50	34.34	36.31	41.41
55	43.36	45.73	49.95
60	53.03	55.85	58.82
65	63.20	66.50	68.20
70	73.69	77.49	78.20
75	84.36	88.68	88.81
80	95.05	99.90	99.90
85	105.63	110.99	110.99
90	115.94	121.82	121.82
95	125.87	132.24	132.24
100	135.31	142.14	142.14
105	144.14	151.41	151.41
110	152.30	159.98	159.98
115	159.74	167.78	167.78
120	166.42	174.79	174.79
125	172.33	180.99	180.99
130	177.48	186.40	186.40
135	181.90	191.04	191.04
140	185.62	194.95	194.95
145	188.72	198.20	198.20
150	191.23	200.84	200.84
155	193.24	202.94	202.94
160	194.79	204.58	204.58
165	195.95	205.79	205.79
170	196.77	206.65	206.65
175	197.28	207.19	207.19

Azimuth	E _{theo}	E _{std}	E _{aug}
180	197.52	207.44	207.44
185	197.49	207.41	207.41
190	197.20	207.11	207.11
195	196.63	206.51	206.51
200	195.75	205.58	205.58
205	194.51	204.28	204.28
210	192.87	202.56	202.56
215	190.77	200.36	200.36
220	188.15	197.60	197.60
225	184.93	194.23	194.23
230	181.07	190.17	190.17
235	176.51	185.38	185.38
240	171.21	179.82	179.82
245	165.14	173.45	173.45
250	158.31	166.28	166.28
255	150.73	158.32	158.32
260	142.42	149.61	149.61
265	133.46	140.20	140.20
270	123.92	130.19	130.19
275	113.91	119.68	119.68
280	103.53	108.79	108.79
285	92.92	97.66	97.66
290	82.21	86.43	86.56
295	71.57	75.27	75.81
300	61.13	64.33	65.54
305	51.05	53.78	55.77
310	41.50	43.79	46.50
315	32.63	34.53	37.68
320	24.67	26.26	29.33
325	17.93	19.32	22.42
330	13.01	14.33	19.20
335	10.79	12.13	18.62
340	11.39	12.72	18.15
345	13.36	14.69	17.27
350	15.42	16.76	17.70
355	16.94	18.31	18.90

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission