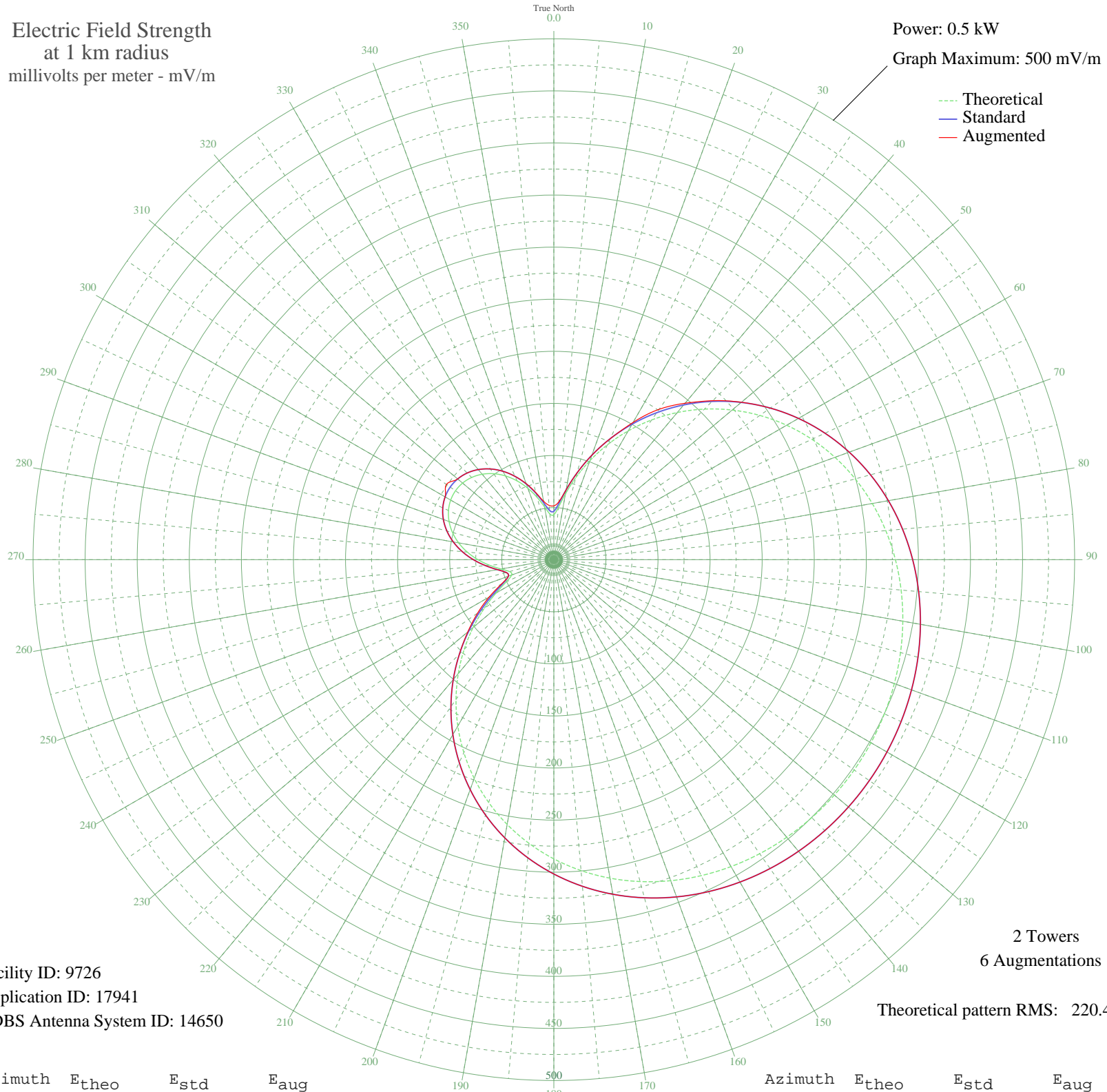


# KDNZ CEDAR FALLS, IA BL-19800219AA 1250 kHz

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 9726  
Application ID: 17941  
CDBS Antenna System ID: 14650

2 Towers  
6 Augmentations

Theoretical pattern RMS: 220.48

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	43.09	46.45	51.69
5	50.41	53.96	55.82
10	64.12	68.14	68.14
15	81.58	86.30	86.30
20	101.09	106.67	106.67
25	121.68	128.19	128.19
30	142.71	150.21	152.11
35	163.74	172.25	176.22
40	184.40	193.90	196.02
45	204.39	214.86	215.84
50	223.46	234.87	235.10
55	241.41	253.70	253.70
60	258.09	271.20	271.20
65	273.39	287.25	287.25
70	287.23	301.77	301.77
75	299.59	314.74	314.74
80	310.46	326.16	326.16
85	319.90	336.06	336.06
90	327.95	344.51	344.51
95	334.69	351.58	351.58
100	340.21	357.37	357.37
105	344.58	361.96	361.96
110	347.88	365.43	365.43
115	350.19	367.85	367.85
120	351.55	369.28	369.28
125	352.00	369.75	369.75
130	351.55	369.28	369.28
135	350.19	367.85	367.85
140	347.88	365.43	365.43
145	344.58	361.96	361.96
150	340.21	357.37	357.37
155	334.69	351.58	351.58
160	327.95	344.51	344.51
165	319.90	336.06	336.06
170	310.46	326.16	326.16
175	299.59	314.74	314.74

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	287.23	301.77	301.77
185	273.39	287.25	287.25
190	258.09	271.20	271.20
195	241.41	253.70	253.70
200	223.46	234.87	234.87
205	204.39	214.86	214.86
210	184.40	193.90	193.90
215	163.74	172.25	172.25
220	142.71	150.21	150.21
225	121.68	128.19	128.22
230	101.09	106.67	107.82
235	81.58	86.30	89.32
240	64.12	68.14	71.66
245	50.41	53.96	55.62
250	43.09	46.45	46.45
255	44.05	47.43	47.43
260	51.47	55.05	55.05
265	61.87	65.80	65.80
270	72.91	77.27	77.27
275	83.42	88.22	88.22
280	92.80	98.01	98.01
285	100.74	106.29	106.29
290	107.04	112.88	112.88
295	111.60	117.65	117.65
300	114.36	120.53	120.53
305	115.28	121.50	125.96
310	114.36	120.53	120.53
315	111.60	117.65	117.65
320	107.04	112.88	112.88
325	100.74	106.29	106.29
330	92.80	98.01	98.01
335	83.42	88.22	88.23
340	72.91	77.27	77.62
345	61.87	65.80	66.59
350	51.47	55.05	56.99
355	44.05	47.43	52.30