

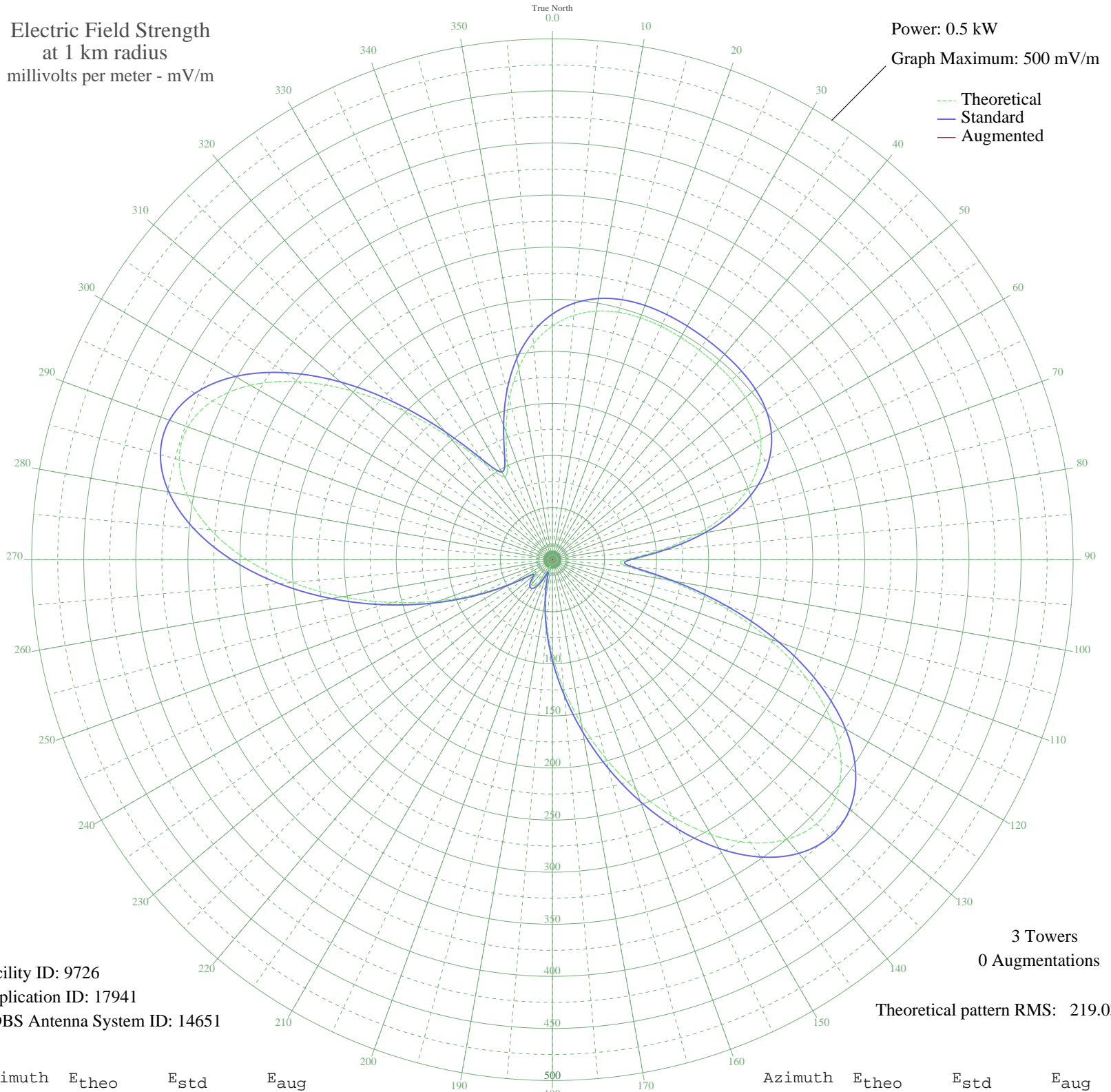
# KDNZ CEDAR FALLS, IA BL-19800219AA 1250 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 9726  
Application ID: 17941  
CDBS Antenna System ID: 14651

3 Towers  
0 Augmentations

Theoretical pattern RMS: 219.03

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	224.29	235.74	
5	235.37	247.36	
10	242.23	254.56	
15	245.83	258.33	
20	247.14	259.71	
25	247.08	259.65	
30	246.40	258.94	
35	245.62	258.12	
40	244.90	257.36	
45	243.99	256.40	
50	242.17	254.50	
55	238.33	250.46	
60	231.02	242.80	
65	218.73	229.90	
70	200.06	210.32	
75	174.13	183.14	
80	141.09	148.51	
85	103.35	109.03	
90	70.76	75.04	
95	71.79	76.10	
100	112.36	118.45	
105	166.06	174.68	
110	220.28	231.53	
115	269.30	282.96	
120	309.48	325.12	
125	338.43	355.51	
130	354.88	372.77	
135	358.60	376.68	
140	350.37	368.04	
145	331.73	348.48	
150	304.77	320.18	
155	271.83	285.62	
160	235.30	247.28	
165	197.34	207.48	
170	159.82	168.14	
175	124.18	130.81	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	91.43	96.57	
185	62.22	66.17	
190	36.96	40.20	
195	16.11	19.91	
200	6.41	12.47	
205	16.97	20.68	
210	25.80	29.05	
215	30.44	33.65	
220	30.48	33.68	
225	26.03	29.28	
230	19.86	23.35	
235	24.15	27.44	
240	45.44	48.85	
245	76.97	81.50	
250	115.48	121.71	
255	158.90	167.17	
260	204.89	215.40	
265	250.72	263.46	
270	293.27	308.12	
275	329.38	346.01	
280	356.08	374.03	
285	370.98	389.67	
290	372.54	391.30	
295	360.25	378.41	
300	334.78	351.68	
305	297.90	312.97	
310	252.42	265.25	
315	202.16	212.52	
320	152.31	160.27	
325	111.07	117.10	
330	91.99	97.16	
335	102.78	108.43	
340	130.09	137.00	
345	160.00	168.33	
350	186.68	196.29	
355	208.21	218.87	

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