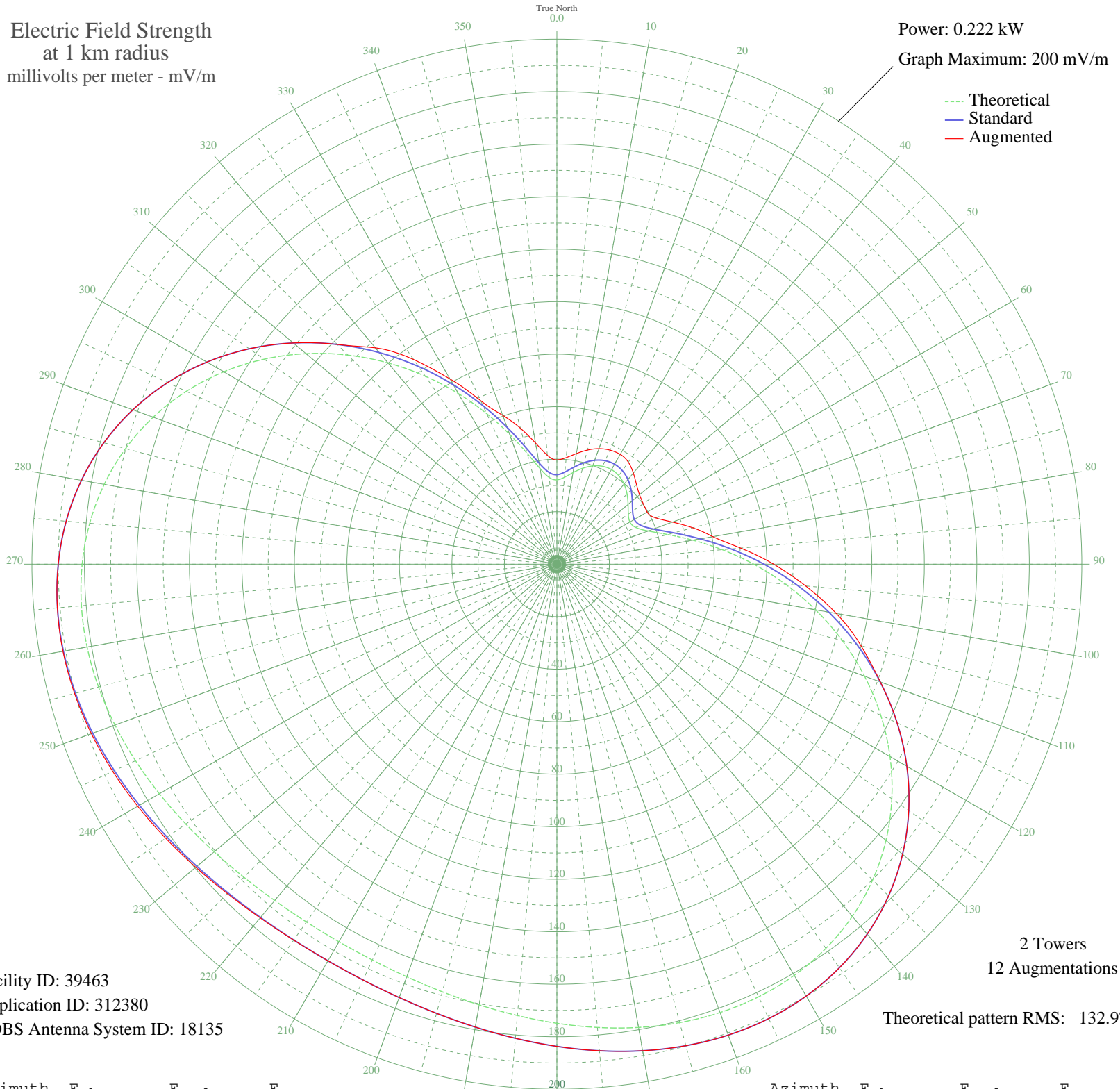


# KNIA KNOXVILLE, IA BL-- 1320 kHz

Nighttime

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

Power: 0.222 kW  
Graph Maximum: 200 mV/m



Facility ID: 39463  
Application ID: 312380  
CDBS Antenna System ID: 18135

2 Towers  
12 Augmentations  
Theoretical pattern RMS: 132.97

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	32.11	34.08	39.71
5	33.22	35.23	40.73
10	35.42	37.51	42.77
15	37.81	40.01	45.00
20	39.83	42.11	46.82
25	41.15	43.49	47.93
30	41.61	43.97	48.30
35	41.15	43.49	47.45
40	39.83	42.11	45.31
45	37.81	40.01	42.90
50	35.42	37.51	41.12
55	33.22	35.23	40.16
60	32.11	34.08	39.71
65	33.13	35.14	41.63
70	36.99	39.15	46.87
75	43.66	46.11	53.60
80	52.63	55.48	60.35
85	63.26	66.61	70.31
90	75.02	78.92	82.60
95	87.42	91.93	95.17
100	100.08	105.21	108.11
105	112.64	118.37	119.96
110	124.76	131.09	131.14
115	136.15	143.04	143.04
120	146.56	153.97	153.97
125	155.79	163.65	163.65
130	163.67	171.93	171.93
135	170.13	178.70	178.70
140	175.12	183.94	183.94
145	178.67	187.67	187.67
150	180.87	189.97	189.97
155	181.83	190.99	190.99
160	181.74	190.89	190.89
165	180.79	189.89	189.89
170	179.18	188.20	188.20
175	177.13	186.06	186.06

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	174.87	183.68	183.68
185	172.58	181.28	181.28
190	170.45	179.04	179.04
195	168.63	177.13	177.13
200	167.24	175.67	175.67
205	166.37	174.75	174.75
210	166.07	174.44	174.44
215	166.37	174.75	174.80
220	167.24	175.67	175.86
225	168.63	177.13	177.50
230	170.45	179.04	179.60
235	172.58	181.28	181.96
240	174.87	183.68	184.40
245	177.13	186.06	186.72
250	179.18	188.20	188.73
255	180.79	189.89	190.24
260	181.74	190.89	191.07
265	181.83	190.99	191.04
270	180.87	189.97	189.97
275	178.67	187.67	187.67
280	175.12	183.94	183.94
285	170.13	178.70	178.70
290	163.67	171.93	171.93
295	155.79	163.65	163.65
300	146.56	153.97	153.97
305	136.15	143.04	143.04
310	124.76	131.09	131.09
315	112.64	118.37	118.37
320	100.08	105.20	107.57
325	87.42	91.93	95.17
330	75.02	78.92	81.50
335	63.26	66.61	68.75
340	52.63	55.48	60.32
345	43.66	46.11	53.60
350	36.99	39.15	46.87
355	33.13	35.14	41.63