

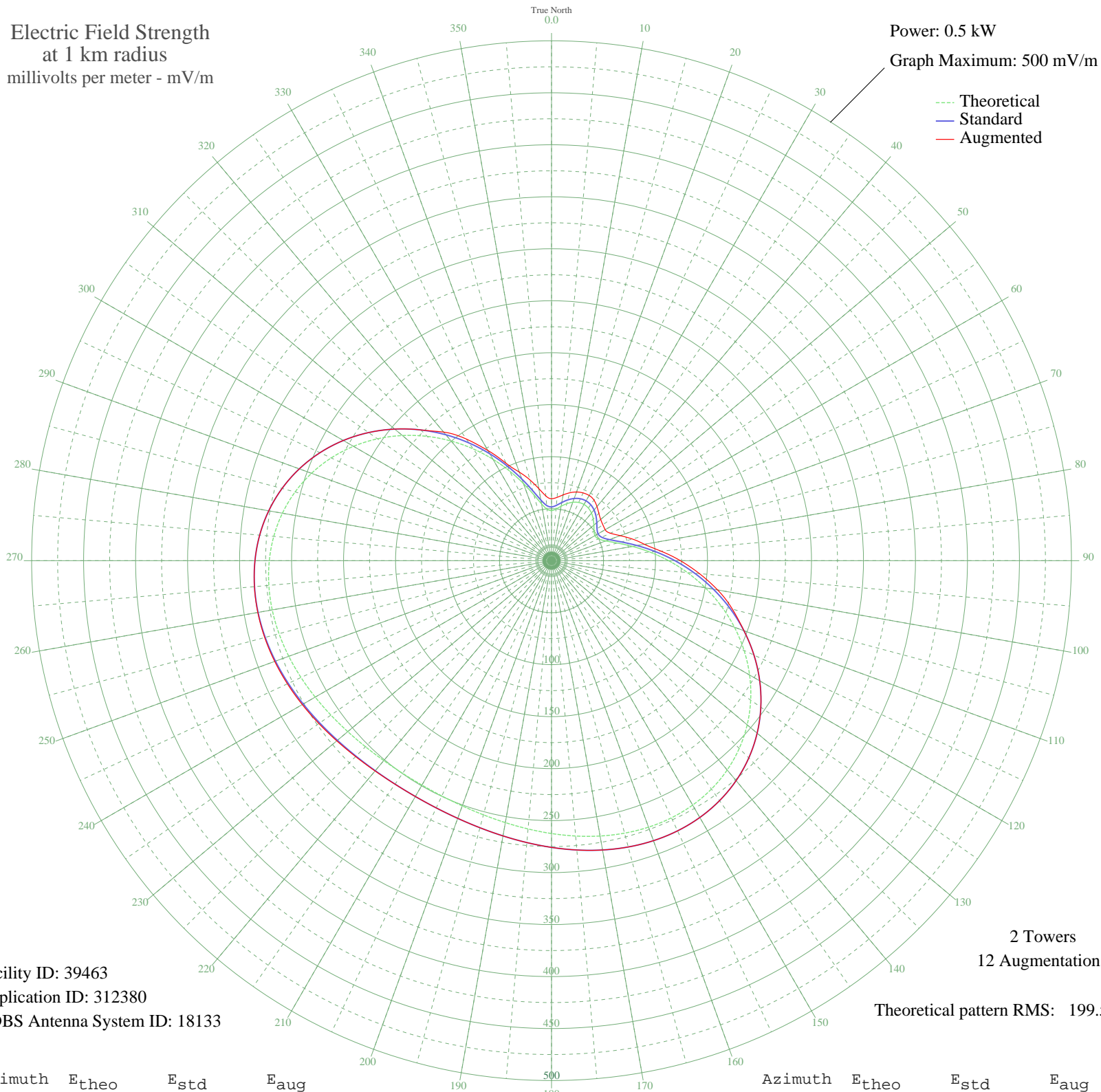
KNIA KNOXVILLE, IA BL-- 1320 kHz

Daytime

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

Power: 0.5 kW

Graph Maximum: 500 mV/m



Facility ID: 39463
Application ID: 312380
CDBS Antenna System ID: 18133

2 Towers
12 Augmentations
Theoretical pattern RMS: 199.56

Azimuth	E _{theo}	E _{std}	E _{aug}
0	48.19	51.68	59.55
5	49.86	53.40	61.11
10	53.15	56.79	64.23
15	56.74	60.50	67.59
20	59.78	63.64	70.28
25	61.76	65.69	71.90
30	62.44	66.40	72.42
35	61.76	65.69	71.15
40	59.78	63.64	67.98
45	56.74	60.50	64.37
50	53.15	56.79	61.69
55	49.86	53.40	60.24
60	48.19	51.68	59.55
65	49.72	53.25	62.45
70	55.51	59.22	70.35
75	65.53	69.60	80.47
80	78.99	83.60	90.66
85	94.95	100.25	105.55
90	112.58	118.68	123.92
95	131.20	138.16	142.78
100	150.21	158.07	162.21
105	169.05	177.81	180.08
110	187.24	196.88	196.95
115	204.33	214.81	214.81
120	219.96	231.20	231.20
125	233.80	245.72	245.72
130	245.64	258.14	258.14
135	255.33	268.30	268.30
140	262.82	276.16	276.16
145	268.15	281.75	281.75
150	271.44	285.21	285.21
155	272.90	286.73	286.73
160	272.76	286.59	286.59
165	271.32	285.08	285.08
170	268.91	282.55	282.55
175	265.84	279.33	279.33

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	262.44	275.76	275.76
185	259.01	272.16	272.16
190	255.81	268.80	268.80
195	253.07	265.94	265.94
200	250.99	263.75	263.75
205	249.68	262.37	262.37
210	249.24	261.91	261.91
215	249.68	262.37	262.45
220	250.99	263.75	264.02
225	253.07	265.94	266.48
230	255.81	268.80	269.61
235	259.01	272.16	273.15
240	262.44	275.76	276.81
245	265.84	279.33	280.29
250	268.91	282.55	283.31
255	271.32	285.08	285.59
260	272.76	286.59	286.84
265	272.90	286.73	286.80
270	271.44	285.21	285.21
275	268.15	281.75	281.75
280	262.82	276.16	276.16
285	255.33	268.30	268.30
290	245.64	258.14	258.14
295	233.80	245.72	245.72
300	219.96	231.20	231.20
305	204.33	214.81	214.81
310	187.24	196.88	196.88
315	169.05	177.81	177.81
320	150.21	158.06	161.45
325	131.20	138.16	142.79
330	112.58	118.68	122.31
335	94.95	100.25	103.32
340	78.99	83.60	90.62
345	65.53	69.60	80.47
350	55.51	59.22	70.35
355	49.72	53.25	62.45