

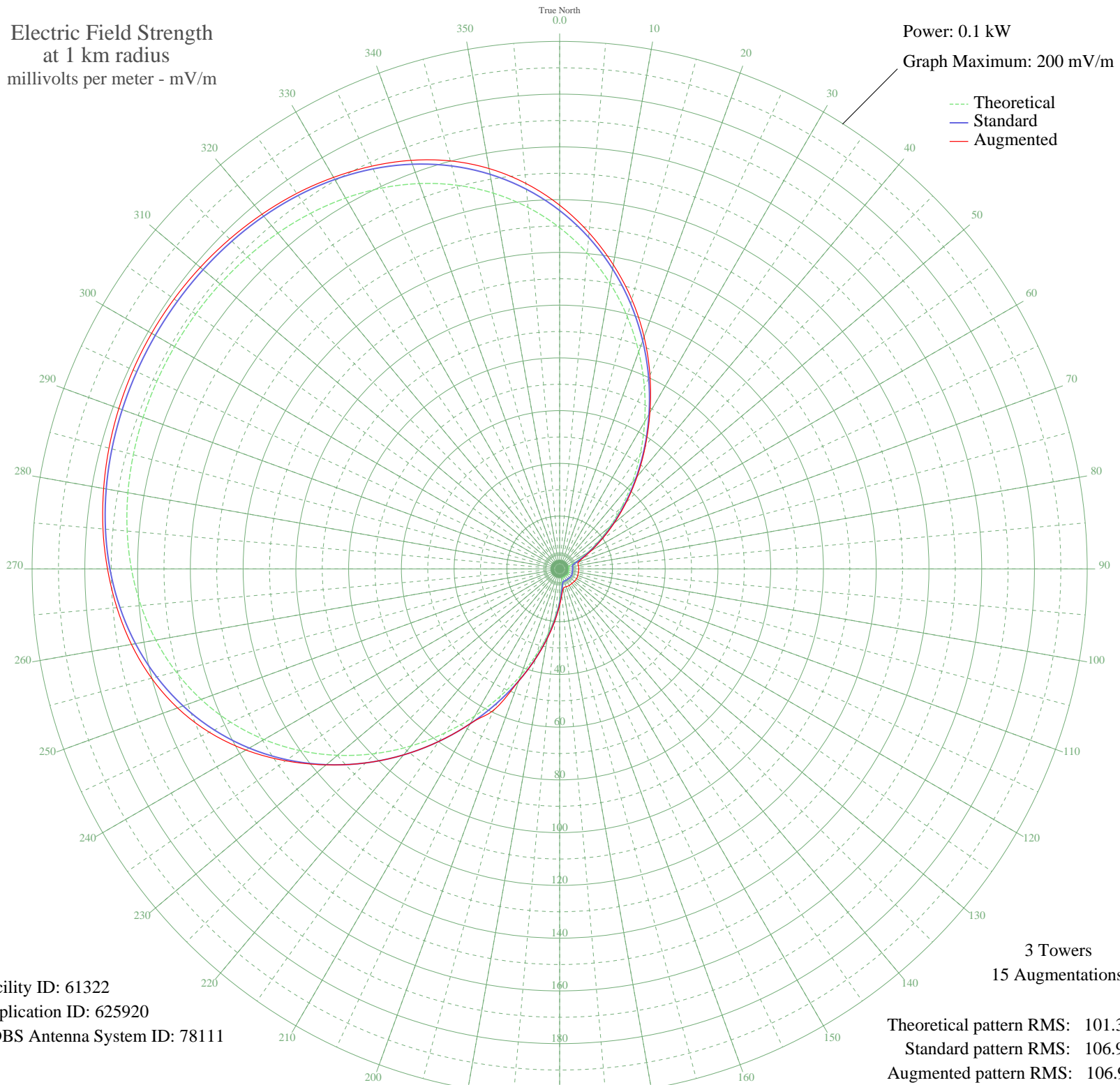
KXRB SIOUX FALLS, SD BL-20030127AEI 1000 kHz

Nighttime

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

Power: 0.1 kW

Graph Maximum: 200 mV/m



Facility ID: 61322
Application ID: 625920
CDBS Antenna System ID: 78111

3 Towers
15 Augmentations

Theoretical pattern RMS: 101.34
Standard pattern RMS: 106.93
Augmented pattern RMS: 106.93

Azimuth	Etheo	Estd	Eaug
0	129.37	135.88	137.90
5	120.12	126.17	127.92
10	109.95	115.49	117.11
15	99.03	104.04	105.74
20	87.62	92.06	93.62
25	75.99	79.86	81.01
30	64.45	67.75	68.44
35	53.30	56.06	56.57
40	42.83	45.09	45.67
45	33.29	35.11	35.70
50	24.89	26.34	26.88
55	17.77	18.95	19.47
60	12.02	13.05	13.73
65	7.70	8.74	9.73
70	4.89	6.12	7.69
75	3.62	5.05	7.18
80	3.42	4.89	7.20
85	3.50	4.96	7.24
90	3.51	4.96	7.25
95	3.45	4.92	7.22
100	3.42	4.89	7.21
105	3.48	4.94	7.24
110	3.62	5.04	7.31
115	3.74	5.14	7.37
120	3.79	5.19	7.40
125	3.74	5.14	7.37
130	3.62	5.04	7.31
135	3.48	4.94	7.24
140	3.42	4.89	7.21
145	3.45	4.92	7.22
150	3.51	4.96	7.25
155	3.50	4.96	7.24
160	3.42	4.89	7.20
165	3.62	5.05	7.18
170	4.89	6.12	7.69
175	7.70	8.74	9.73

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	12.02	13.05	13.73
185	17.77	18.95	19.42
190	24.89	26.34	26.61
195	33.29	35.11	35.22
200	42.83	45.09	45.11
205	53.30	56.06	59.04
210	64.45	67.75	67.75
215	75.99	79.86	79.86
220	87.62	92.06	92.06
225	99.03	104.04	104.04
230	109.95	115.49	115.58
235	120.12	126.17	126.85
240	129.37	135.88	137.35
245	137.57	144.49	146.55
250	144.64	151.91	154.14
255	150.60	158.16	160.15
260	155.47	163.28	164.84
265	159.35	167.35	168.49
270	162.34	170.49	171.42
275	164.59	172.85	173.79
280	166.21	174.55	175.55
285	167.33	175.73	176.88
290	168.05	176.48	177.84
295	168.44	176.90	178.42
300	168.57	177.03	178.62
305	168.44	176.90	178.42
310	168.05	176.48	177.84
315	167.33	175.73	176.88
320	166.21	174.55	175.55
325	164.59	172.85	173.79
330	162.34	170.49	171.42
335	159.35	167.35	168.49
340	155.47	163.28	164.84
345	150.60	158.16	160.15
350	144.64	151.91	154.14
355	137.57	144.48	146.70