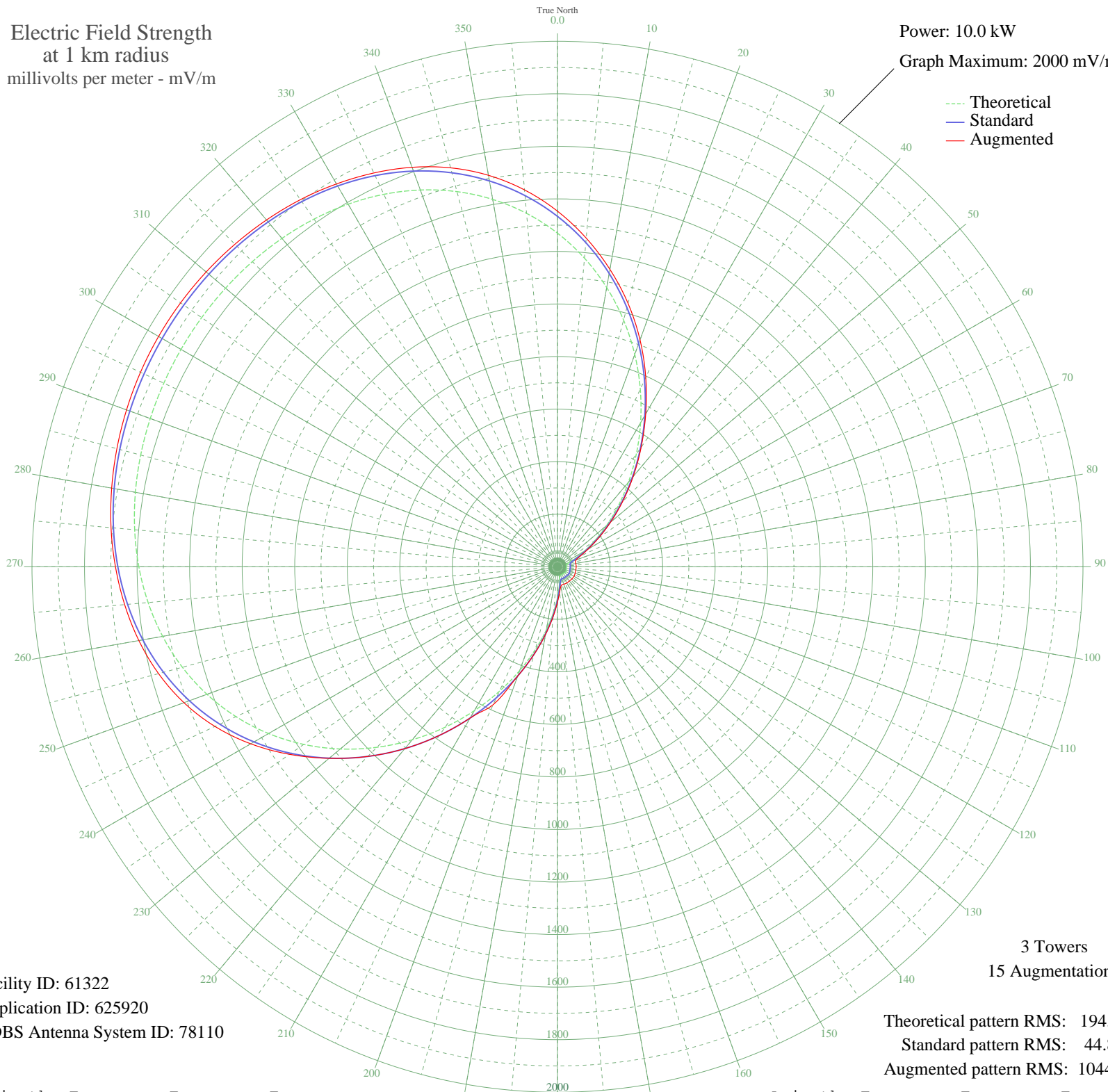


KXRB SIOUX FALLS, SD BL-20030127AEI 1000 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 61322
Application ID: 625920
CDBS Antenna System ID: 78110

Theoretical pattern RMS: 194.57
Standard pattern RMS: 44.83
Augmented pattern RMS: 1044.83

Azimuth	Etheo	Estd	Eaug
0	1269.69	1333.59	1353.36
5	1178.92	1238.31	1255.49
10	1079.05	1133.49	1149.32
15	971.93	1021.07	1037.74
20	859.92	903.52	918.78
25	745.78	783.77	795.05
30	632.48	664.94	671.68
35	523.05	550.20	555.21
40	420.30	442.56	448.28
45	326.71	344.65	350.38
50	244.26	258.61	263.83
55	174.37	186.07	191.12
60	117.93	128.20	134.80
65	75.55	86.00	95.53
70	48.00	60.36	75.55
75	35.56	49.97	70.49
80	33.61	48.45	70.70
85	34.40	49.06	71.13
90	34.48	49.12	71.22
95	33.87	48.66	70.94
100	33.58	48.43	70.80
105	34.20	48.90	71.10
110	35.49	49.91	71.73
115	36.73	50.89	72.35
120	37.23	51.29	72.60
125	36.73	50.89	72.35
130	35.49	49.91	71.73
135	34.20	48.90	71.10
140	33.58	48.43	70.80
145	33.87	48.66	70.94
150	34.48	49.12	71.22
155	34.40	49.06	71.13
160	33.61	48.45	70.70
165	35.56	49.97	70.49
170	48.00	60.36	75.55
175	75.55	86.00	95.53

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	Etheo	Estd	Eaug
180	117.93	128.20	134.80
185	174.37	186.07	190.68
190	244.26	258.61	261.20
195	326.71	344.65	345.72
200	420.30	442.56	442.80
205	523.05	550.20	579.40
210	632.48	664.94	664.94
215	745.78	783.77	783.77
220	859.92	903.52	903.52
225	971.93	1021.07	1021.07
230	1079.05	1133.49	1134.36
235	1178.92	1238.31	1244.93
240	1269.69	1333.59	1347.97
245	1350.12	1418.02	1438.34
250	1419.57	1490.92	1512.80
255	1477.98	1552.24	1571.77
260	1525.80	1602.43	1617.77
265	1563.86	1642.39	1653.60
270	1593.28	1673.28	1682.31
275	1615.31	1696.40	1705.60
280	1631.21	1713.09	1722.85
285	1642.18	1724.61	1735.96
290	1649.24	1732.02	1745.35
295	1653.15	1736.13	1751.07
300	1654.40	1737.44	1753.00
305	1653.15	1736.13	1751.07
310	1649.24	1732.02	1745.35
315	1642.18	1724.61	1735.96
320	1631.21	1713.09	1722.85
325	1615.31	1696.40	1705.60
330	1593.28	1673.28	1682.31
335	1563.86	1642.39	1653.60
340	1525.80	1602.43	1617.77
345	1477.98	1552.24	1571.77
350	1419.57	1490.92	1512.80
355	1350.12	1418.02	1439.77