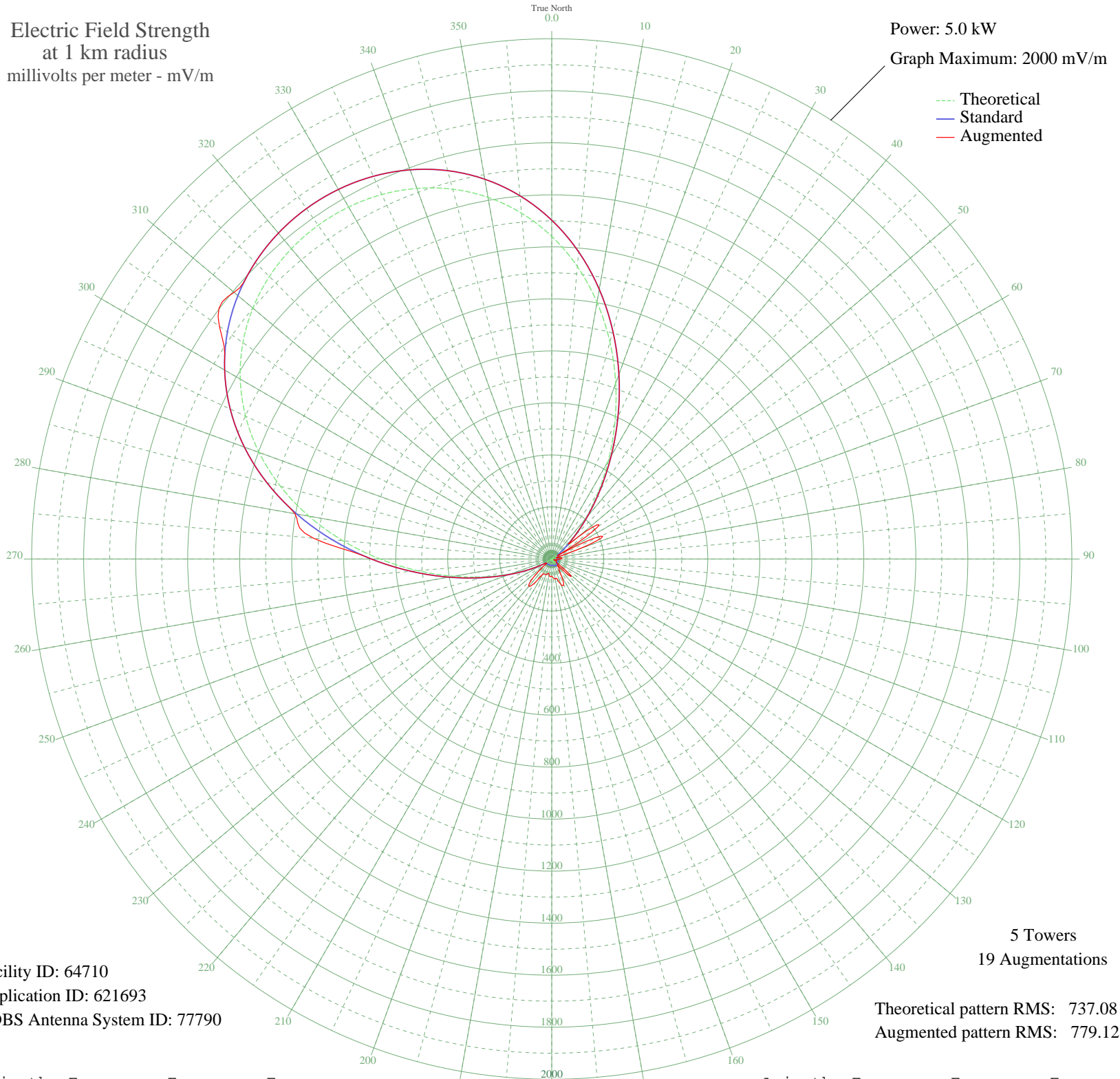


KSOO SIOUX FALLS, SD BL-20021113ABB 1140 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 64710  
Application ID: 621693  
CDBS Antenna System ID: 77790

Theoretical pattern RMS: 737.08  
Augmented pattern RMS: 779.12

Azimuth	Etheo	Estd	Eaug
0	1240.28	1302.53	1302.53
5	1128.85	1185.54	1185.54
10	1002.26	1052.66	1052.66
15	863.94	907.47	907.47
20	718.88	755.23	755.23
25	573.38	602.55	602.55
30	434.36	456.74	456.74
35	308.60	324.96	324.96
40	201.72	213.22	213.22
45	117.35	125.64	125.64
50	56.63	64.33	128.12
55	18.09	31.05	216.29
60	1.93	24.64	24.64
65	8.47	26.12	207.58
70	6.96	25.63	109.17
75	2.25	24.67	17.85
80	2.10	24.66	27.56
85	4.11	24.94	39.90
90	3.36	24.81	34.53
95	0.55	24.57	18.95
100	2.99	24.76	17.87
105	5.85	25.32	20.09
110	6.96	25.63	6.96
115	5.82	25.31	19.28
120	2.51	24.70	19.87
125	2.34	24.68	20.84
130	7.80	25.89	82.33
135	12.84	28.02	63.64
140	16.51	30.06	39.34
145	18.13	31.08	49.37
150	17.43	30.63	73.57
155	14.52	28.91	108.16
160	9.93	26.68	105.16
165	4.51	25.01	79.73
170	0.71	24.57	78.05
175	4.73	25.06	73.16

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

Azimuth	Etheo	Estd	Eaug
180	6.79	25.57	66.08
185	6.55	25.51	68.41
190	4.28	24.97	60.38
195	0.86	24.58	58.12
200	2.42	24.69	64.37
205	4.12	24.94	64.86
210	3.24	24.80	65.19
215	0.32	24.56	107.19
220	5.22	25.17	137.00
225	8.54	26.15	98.75
230	5.85	25.32	25.32
235	8.12	26.00	26.00
240	38.71	47.49	47.49
245	90.25	97.89	97.89
250	165.14	175.13	175.13
255	263.33	277.58	277.58
260	382.12	401.98	401.98
265	516.60	542.98	542.98
270	660.35	693.80	693.80
275	806.39	847.07	920.54
280	948.09	995.80	1002.66
285	1079.87	1134.13	1134.13
290	1197.68	1257.80	1257.80
295	1299.04	1364.22	1364.22
300	1383.01	1452.37	1452.37
305	1449.76	1522.44	1560.25
310	1500.22	1575.42	1594.83
315	1535.66	1612.63	1612.63
320	1557.30	1635.35	1635.35
325	1566.05	1644.53	1644.53
330	1562.31	1640.61	1640.61
335	1545.91	1623.39	1623.39
340	1516.12	1592.12	1592.12
345	1471.83	1545.61	1545.61
350	1411.73	1482.52	1482.52
355	1334.73	1401.68	1401.68