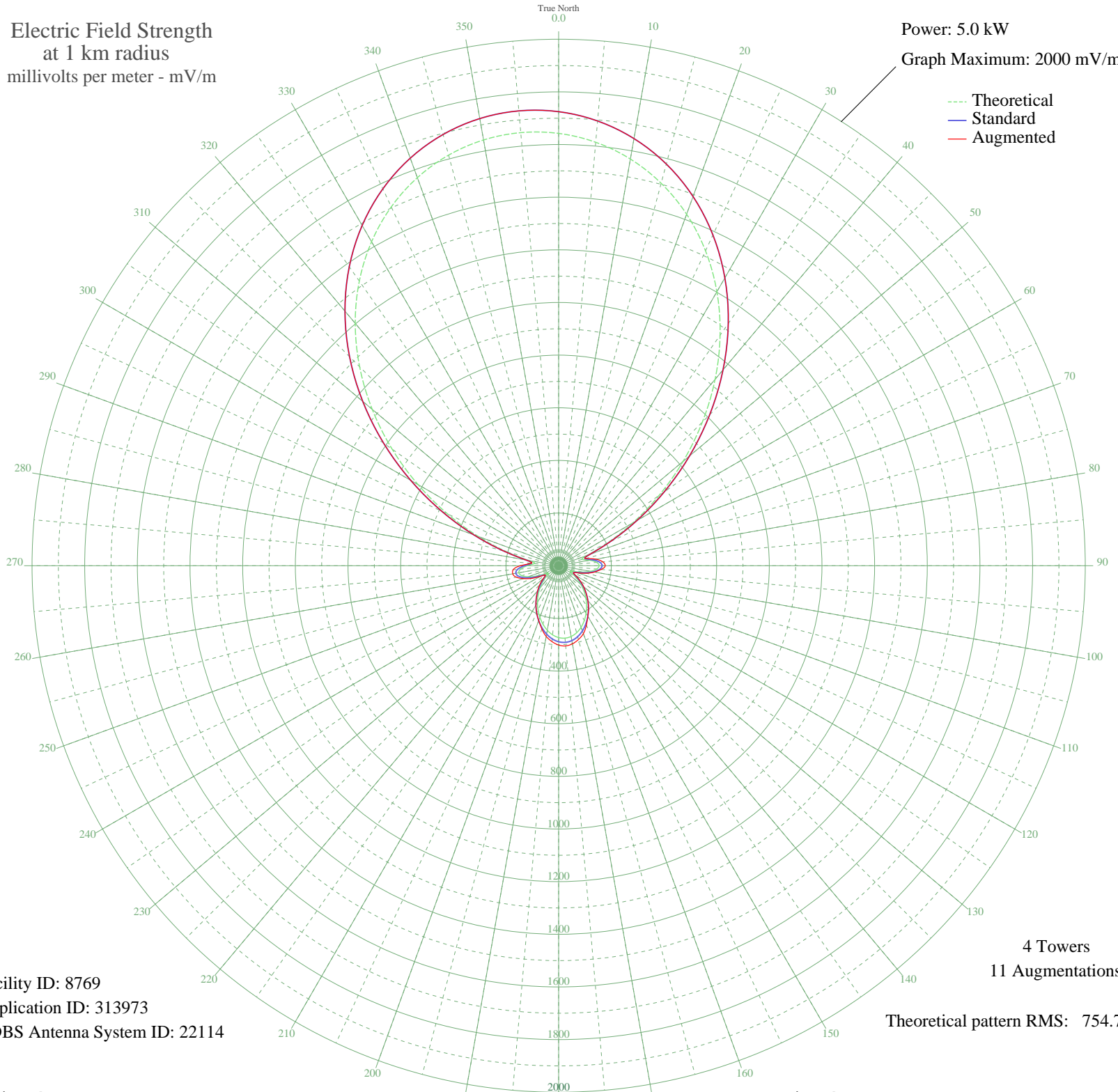


KWSL SIOUX CITY, IA BL-- 1470 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 8769
Application ID: 313973
CDBS Antenna System ID: 22114

4 Towers
11 Augmentations
Theoretical pattern RMS: 754.78

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1642.34	1724.83	1724.83
5	1614.82	1695.94	1695.94
10	1568.79	1647.63	1647.63
15	1504.16	1579.78	1579.78
20	1421.03	1492.51	1492.51
25	1319.89	1386.35	1386.35
30	1201.89	1262.50	1262.50
35	1069.04	1123.07	1123.07
40	924.36	971.25	971.25
45	771.96	811.36	811.36
50	617.02	648.87	648.87
55	465.62	490.23	490.23
60	324.77	342.90	342.90
65	203.00	216.18	216.18
70	115.36	126.38	126.38
75	92.45	103.55	103.55
80	119.53	130.59	143.60
85	144.98	156.44	168.49
90	153.63	165.29	177.03
95	145.06	156.52	162.19
100	123.02	134.11	138.06
105	93.13	104.22	110.07
110	63.27	75.59	79.76
115	47.79	61.79	62.13
120	59.34	71.99	73.95
125	84.12	95.40	99.53
130	110.56	121.56	123.77
135	136.10	147.38	147.45
140	160.74	172.58	172.58
145	184.82	197.38	197.38
150	208.14	221.50	221.56
155	229.89	244.07	249.15
160	248.81	263.73	274.49
165	263.54	279.05	290.23
170	272.90	288.80	301.16
175	276.11	292.14	305.78

Azimuth	E _{theo}	E _{std}	E _{aug}
180	272.90	288.80	301.28
185	263.54	279.05	289.33
190	248.81	263.73	272.71
195	229.89	244.07	247.81
200	208.14	221.50	221.50
205	184.82	197.38	197.38
210	160.74	172.58	172.58
215	136.10	147.38	147.38
220	110.56	121.56	123.96
225	84.12	95.40	101.39
230	59.34	71.99	75.98
235	47.79	61.79	61.79
240	63.27	75.59	80.60
245	93.13	104.22	113.62
250	123.02	134.11	142.89
255	145.06	156.52	167.07
260	153.63	165.29	177.03
265	144.98	156.44	173.43
270	119.53	130.59	145.28
275	92.45	103.55	104.33
280	115.36	126.38	126.38
285	203.00	216.18	216.18
290	324.76	342.90	342.90
295	465.62	490.23	490.23
300	617.01	648.87	648.87
305	771.96	811.36	811.36
310	924.36	971.24	971.24
315	1069.04	1123.07	1123.07
320	1201.89	1262.50	1262.50
325	1319.88	1386.35	1386.35
330	1421.02	1492.51	1492.51
335	1504.16	1579.78	1579.78
340	1568.79	1647.62	1647.62
345	1614.82	1695.94	1695.94
350	1642.34	1724.83	1724.83
355	1651.50	1734.45	1734.45

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