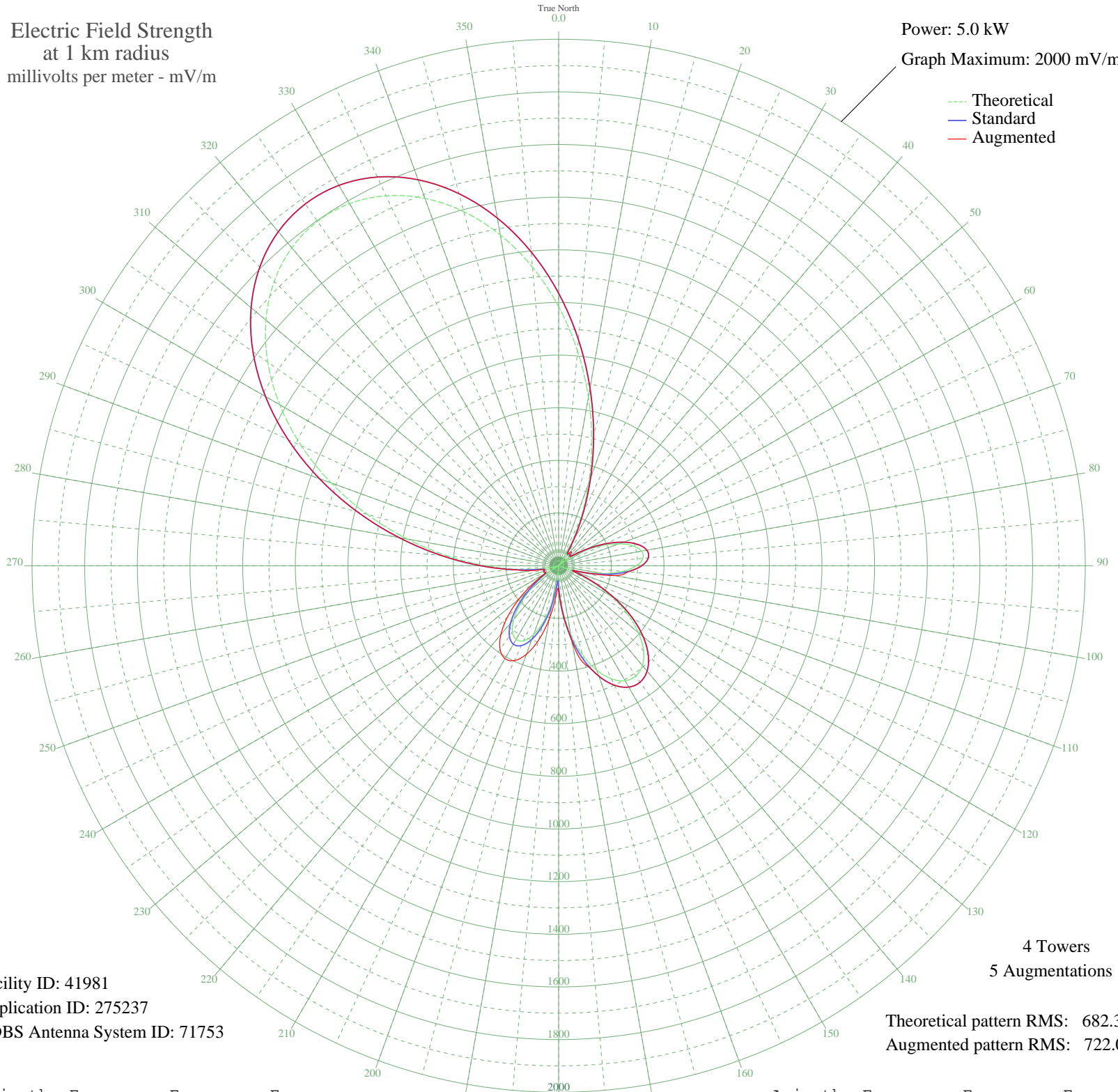


KELO SIOUX FALLS, SD BL-19981009AC 1320 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 41981
Application ID: 275237
CDBS Antenna System ID: 71753

Theoretical pattern RMS: 682.36
Augmented pattern RMS: 722.01

Azimuth	Etheo	Estd	Eaug
0	984.26	1034.95	1034.95
5	819.40	862.14	862.14
10	650.68	685.45	685.45
15	485.87	513.14	513.14
20	333.14	354.13	354.13
25	200.43	217.58	217.58
30	94.64	113.70	113.70
35	20.82	59.44	59.44
40	18.53	58.60	62.76
45	23.96	60.73	68.15
50	0.83	55.28	55.28
55	49.26	75.70	75.70
60	112.54	130.45	130.45
65	180.65	197.57	197.57
70	243.53	261.61	261.61
75	292.16	311.70	311.70
80	319.52	340.01	340.01
85	321.24	341.80	341.80
90	295.84	315.51	315.51
95	244.61	262.72	265.01
100	171.20	188.06	216.40
105	80.98	101.42	101.42
110	19.61	58.98	58.98
115	123.80	141.25	141.25
120	225.00	242.62	242.62
125	317.23	337.65	337.65
130	395.45	418.88	418.88
135	455.62	481.59	481.59
140	494.85	522.52	522.52
145	511.30	539.70	539.70
150	504.23	532.31	532.31
155	473.95	500.71	500.71
160	421.87	446.40	446.40
165	350.45	372.10	387.84
170	263.27	281.91	292.89
175	164.99	181.84	181.84

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	61.23	84.79	94.34
185	41.61	70.46	114.95
190	136.78	153.89	204.81
195	217.64	235.11	291.22
200	278.29	297.38	357.76
205	314.32	334.63	397.58
210	323.43	344.07	407.53
215	305.96	325.98	387.65
220	265.14	283.83	341.19
225	206.97	224.24	274.45
230	139.78	156.83	196.39
235	73.34	94.78	118.73
240	17.82	58.35	61.94
245	17.36	58.20	58.20
250	24.64	61.02	61.02
255	0.90	55.28	55.28
260	61.07	84.65	107.88
265	154.55	171.43	172.80
270	277.23	296.29	296.29
275	422.87	447.44	447.44
280	583.83	615.51	615.51
285	751.96	791.49	791.49
290	919.24	966.78	966.78
295	1078.41	1133.68	1133.68
300	1223.24	1285.59	1285.59
305	1348.73	1417.25	1417.25
310	1451.11	1524.67	1524.67
315	1527.66	1604.99	1604.99
320	1576.61	1656.36	1656.36
325	1596.92	1677.68	1677.68
330	1588.20	1668.53	1668.53
335	1550.62	1629.09	1629.09
340	1484.95	1560.17	1560.17
345	1392.63	1463.31	1463.31
350	1275.99	1340.93	1340.93
355	1138.37	1196.56	1196.56