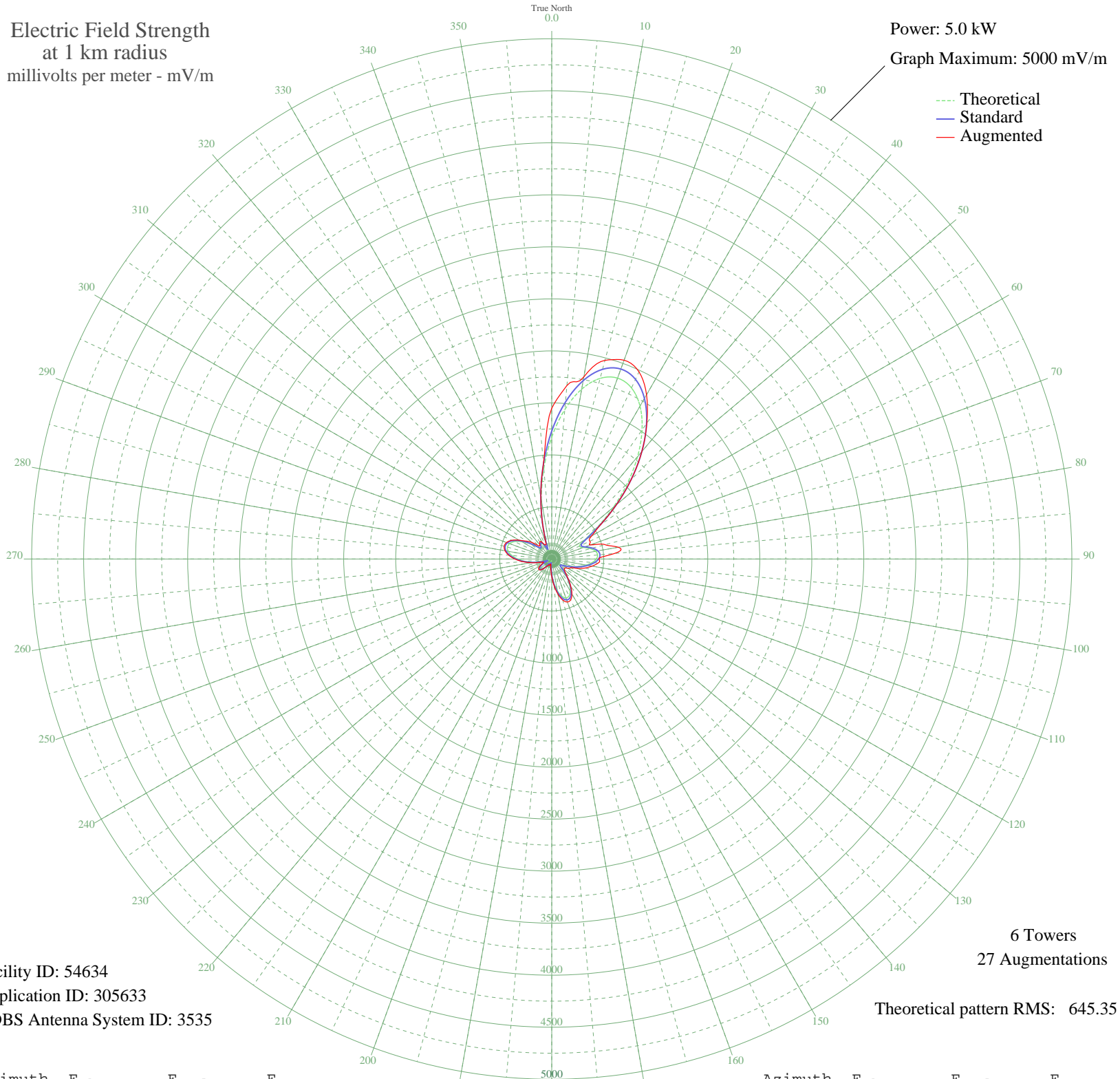


# KDHL FARIBAULT, MN BL-- 920 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 54634  
Application ID: 305633  
CDBS Antenna System ID: 3535

6 Towers  
27 Augmentations  
Theoretical pattern RMS: 645.35

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1170.82	1229.67	1448.41
5	1441.71	1514.05	1673.72
10	1657.38	1740.48	1777.58
15	1797.34	1887.41	1976.76
20	1850.16	1942.86	2033.14
25	1814.24	1905.15	1984.68
30	1697.09	1782.16	1822.62
35	1513.46	1589.37	1593.71
40	1282.98	1347.42	1347.42
45	1027.88	1079.64	1079.64
50	771.55	810.60	810.60
55	539.34	566.99	569.84
60	364.73	383.98	442.57
65	293.47	309.40	403.92
70	323.85	341.18	394.94
75	383.82	403.97	531.09
80	427.75	450.00	649.75
85	442.59	465.56	604.41
90	428.23	450.50	453.93
95	389.89	410.33	448.00
100	335.42	353.29	394.22
105	273.65	288.67	333.71
110	212.91	225.28	266.72
115	159.32	169.59	201.48
120	116.46	125.41	177.97
125	91.30	99.82	152.10
130	102.77	111.44	158.39
135	153.27	163.32	186.12
140	223.11	235.91	241.21
145	295.36	311.38	316.87
150	355.88	374.70	387.61
155	392.69	413.27	432.04
160	397.78	418.60	439.93
165	368.75	388.19	408.12
170	309.56	326.23	341.86
175	229.83	242.92	256.54

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	142.85	152.55	169.67
185	63.00	71.76	97.98
190	12.78	30.89	51.43
195	38.87	49.39	56.33
200	47.72	57.31	65.82
205	37.88	48.54	59.85
210	38.09	48.72	72.42
215	69.34	77.94	87.58
220	106.26	114.99	118.93
225	133.55	142.96	145.92
230	143.53	153.25	159.83
235	132.63	142.02	153.64
240	100.81	109.44	128.91
245	52.19	61.46	95.64
250	32.34	43.90	85.83
255	100.42	109.05	130.99
260	179.45	190.46	204.03
265	257.35	271.65	282.01
270	327.79	345.30	354.48
275	385.15	405.36	414.31
280	424.29	446.38	455.61
285	440.82	463.69	473.05
290	431.51	453.94	463.02
295	395.25	415.95	424.41
300	334.32	352.14	359.67
305	256.46	270.71	300.02
310	179.34	190.35	245.12
315	138.20	147.76	180.98
320	152.88	162.92	179.47
325	175.95	186.83	199.86
330	163.69	174.11	183.14
335	106.63	115.37	150.33
340	122.70	131.80	163.95
345	313.64	330.50	330.50
350	576.00	605.44	605.44
355	872.03	916.06	916.06