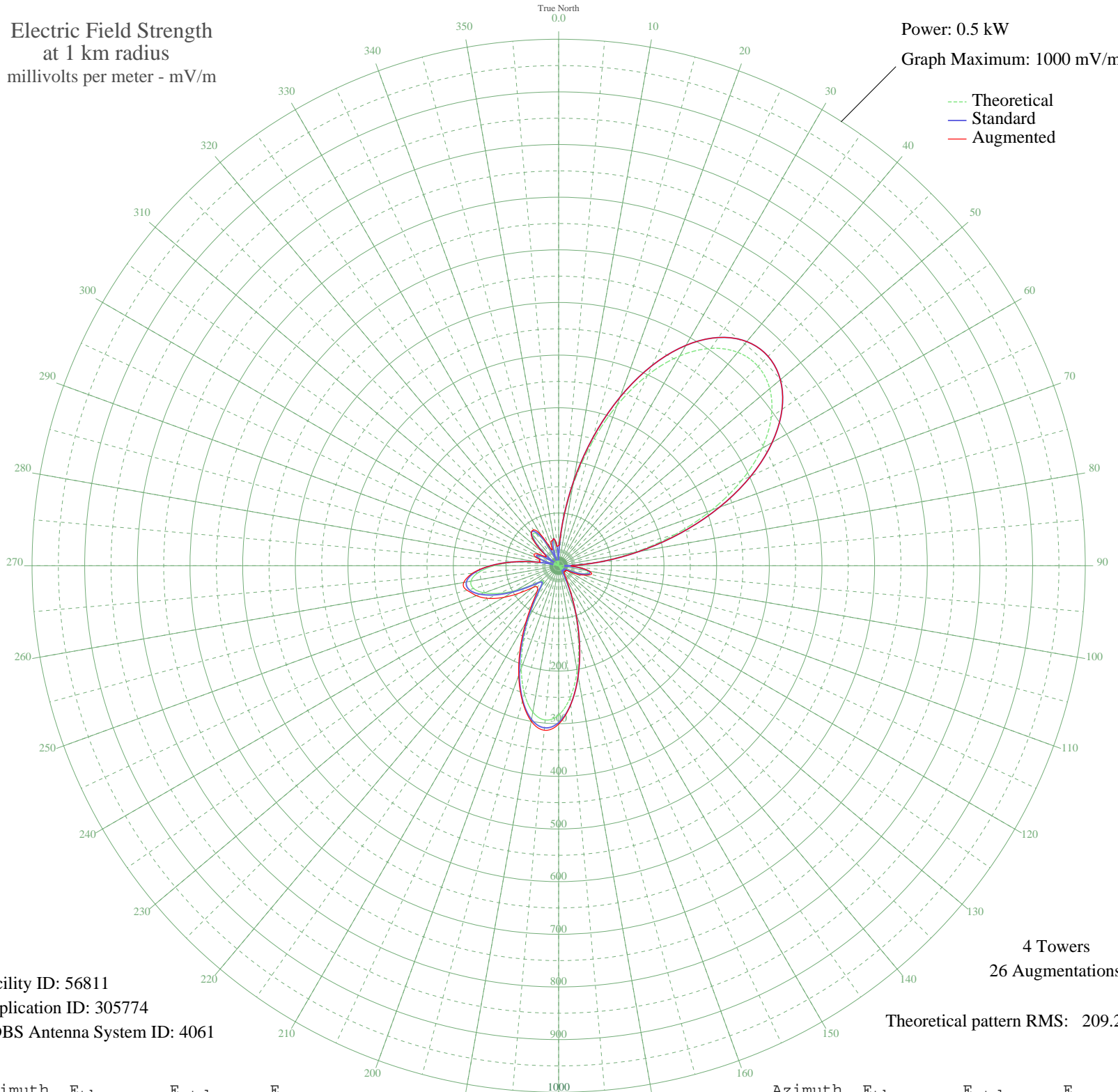


KQAQ AUSTIN, MN BL-- 970 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 56811
Application ID: 305774
CDBS Antenna System ID: 4061

4 Towers
26 Augmentations

Theoretical pattern RMS: 209.21

Azimuth	E _{theo}	E _{std}	E _{aug}
0	9.93	14.80	37.98
5	74.35	78.77	78.77
10	153.97	162.01	162.01
15	240.11	252.33	252.33
20	324.23	340.60	340.60
25	399.25	419.35	419.35
30	460.14	483.26	483.26
35	503.90	529.20	529.20
40	529.15	555.71	555.71
45	535.55	562.42	562.42
50	523.30	549.56	549.56
55	493.01	517.77	517.77
60	445.76	468.17	468.17
65	383.49	402.80	402.80
70	309.42	325.06	325.06
75	228.36	240.00	240.00
80	146.61	154.30	154.30
85	71.40	75.70	75.70
90	9.73	14.65	23.49
95	32.99	36.20	39.39
100	54.40	58.08	58.63
105	55.90	59.63	63.81
110	42.63	45.98	51.77
115	22.21	25.58	37.18
120	2.74	10.89	17.63
125	9.55	14.52	15.99
130	12.23	16.59	16.88
135	7.37	13.04	14.89
140	0.90	10.54	16.09
145	0.61	10.52	19.98
150	13.49	17.63	29.43
155	43.29	46.66	50.77
160	89.04	94.08	94.32
165	145.09	152.71	152.71
170	202.52	212.90	212.90
175	251.48	264.26	264.49

Azimuth	E _{theo}	E _{std}	E _{aug}
180	283.67	298.04	300.94
185	294.17	309.05	313.69
190	282.29	296.59	299.93
195	251.35	264.12	266.03
200	207.56	218.19	221.75
205	158.59	166.85	172.50
210	112.03	118.10	125.33
215	74.29	78.70	86.81
220	49.83	53.36	64.06
225	40.80	44.11	57.25
230	47.02	50.48	64.84
235	66.07	70.16	90.02
240	93.62	98.86	119.98
245	123.94	130.56	146.91
250	150.55	158.43	166.26
255	167.22	175.89	180.13
260	169.09	177.85	182.99
265	153.83	161.86	164.59
270	122.51	129.06	129.06
275	79.79	84.44	84.44
280	33.35	36.55	38.48
285	7.72	13.26	37.88
290	35.02	38.24	44.08
295	43.18	46.54	51.50
300	31.50	34.70	44.00
305	4.44	11.49	29.26
310	29.36	32.57	38.39
315	59.43	63.27	66.90
320	76.39	80.90	81.04
325	74.79	79.23	83.24
330	54.74	58.43	68.30
335	22.03	25.40	37.58
340	13.45	17.60	38.80
345	40.30	43.59	48.69
350	48.60	52.10	52.10
355	32.25	35.45	37.64

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