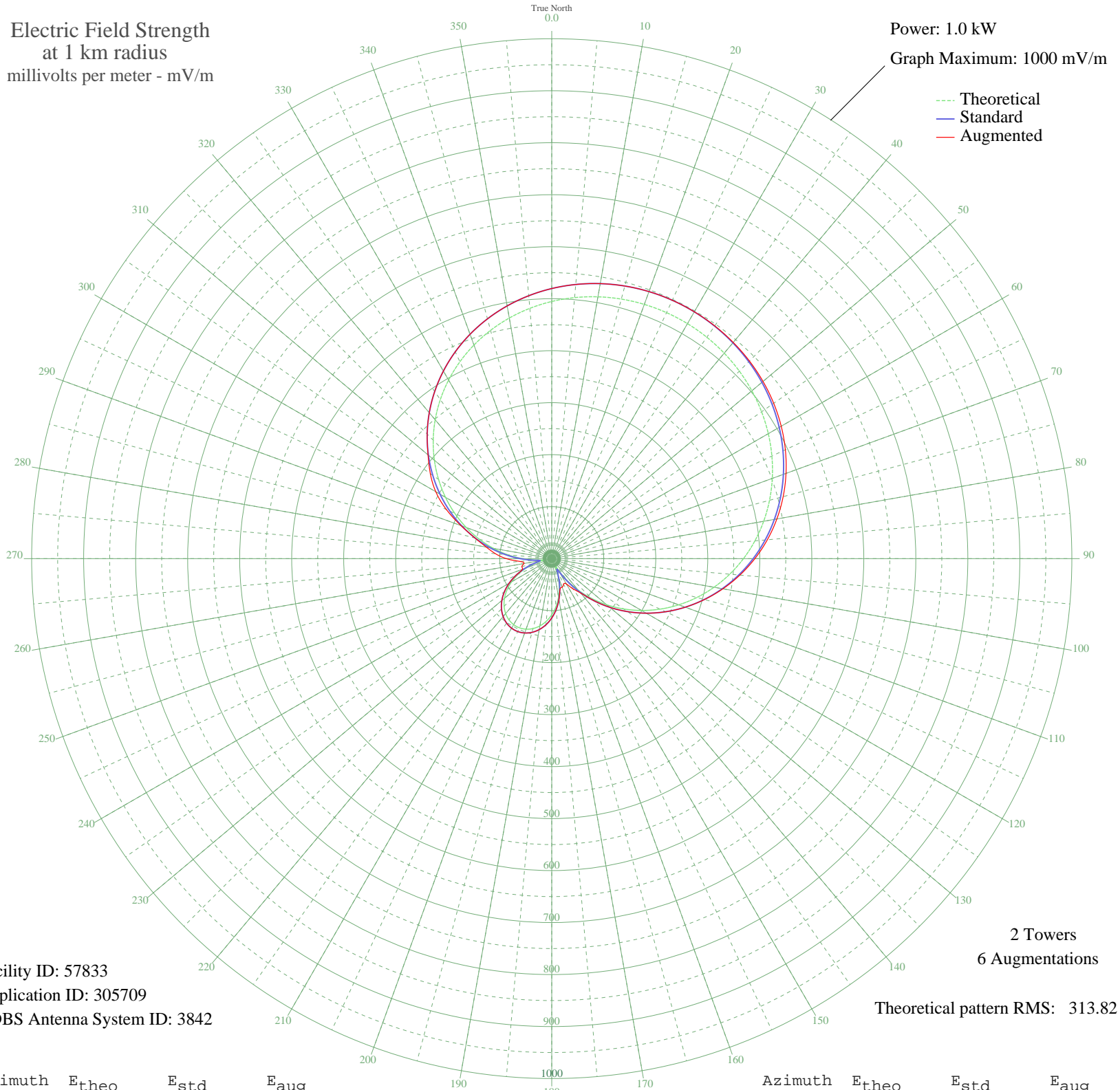


KTNF ST. LOUIS PARK, MN BL-- 950 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 57833
Application ID: 305709
CDBS Antenna System ID: 3842

2 Towers
6 Augmentations
Theoretical pattern RMS: 313.82

Azimuth	Etheo	Estd	Eaug
0	494.63	519.52	519.52
5	503.99	529.35	529.35
10	511.39	537.11	537.11
15	516.86	542.86	542.86
20	520.43	546.61	546.61
25	522.12	548.38	548.38
30	521.93	548.18	548.24
35	519.87	546.02	546.42
40	515.92	541.87	542.90
45	510.06	535.72	537.57
50	502.27	527.55	530.32
55	492.52	517.31	521.00
60	480.78	504.99	509.47
65	467.03	490.55	495.61
70	451.26	474.01	479.35
75	433.50	455.36	460.65
80	413.76	434.64	439.55
85	392.11	411.93	416.13
90	368.65	387.31	390.59
95	343.51	360.92	363.16
100	316.85	332.94	334.17
105	288.86	303.58	304.00
110	259.78	273.08	273.09
115	229.86	241.71	241.71
120	199.41	209.78	209.78
125	168.71	177.63	177.63
130	138.12	145.61	145.61
135	107.97	114.12	114.12
140	78.70	83.66	86.28
145	50.94	55.05	70.60
150	26.61	30.84	56.23
155	18.08	23.03	53.97
160	34.68	38.68	58.36
165	55.32	59.53	61.43
170	74.91	79.73	79.73
175	92.57	98.07	98.07

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	107.98	114.13	114.13
185	120.96	127.68	127.68
190	131.40	138.59	138.59
195	139.23	146.77	146.77
200	144.38	152.16	152.16
205	146.82	154.71	154.71
210	146.55	154.43	154.43
215	143.56	151.30	151.30
220	137.87	145.35	145.35
225	129.52	136.62	136.62
230	118.57	125.18	125.18
235	105.09	111.11	111.11
240	89.21	94.58	94.58
245	71.13	75.82	75.82
250	51.22	55.34	59.97
255	30.66	34.73	59.57
260	17.15	22.24	54.29
265	30.95	35.01	61.37
270	56.32	60.56	87.40
275	84.46	89.64	108.58
280	113.95	120.35	127.84
285	144.21	151.98	152.57
290	174.86	184.06	185.69
295	205.53	216.20	223.57
300	235.90	248.04	257.50
305	265.67	279.26	285.00
310	294.55	309.55	310.52
315	322.29	338.66	338.66
320	348.67	366.33	366.33
325	373.49	392.38	392.38
330	396.59	416.62	416.62
335	417.86	438.95	438.95
340	437.21	459.25	459.25
345	454.58	477.49	477.49
350	469.94	493.61	493.61
355	483.29	507.62	507.62