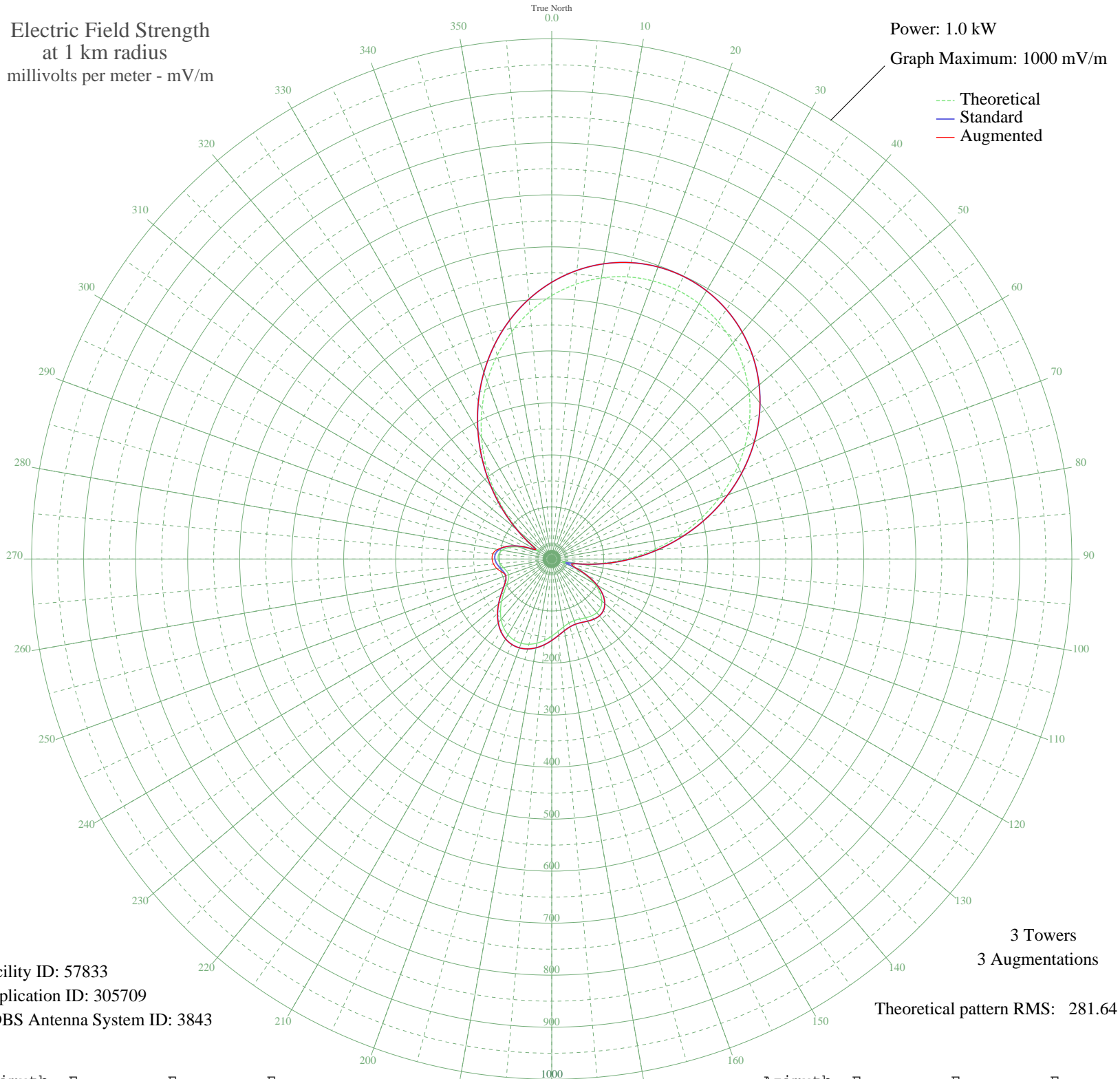


KTNF ST. LOUIS PARK, MN BL-- 950 kHz

Nighttime

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: 3843

3 Towers
3 Augmentations
Theoretical pattern RMS: 281.64

Azimuth	Etheo	Estd	Eaug
0	506.36	531.95	531.95
5	530.13	556.89	556.89
10	548.52	576.19	576.19
15	561.42	589.73	589.73
20	568.78	597.45	597.45
25	570.54	599.30	599.30
30	566.69	595.26	595.26
35	557.23	585.33	585.33
40	542.16	569.51	569.51
45	521.54	547.87	547.87
50	495.47	520.52	520.52
55	464.16	487.66	487.66
60	427.92	449.62	449.62
65	387.18	406.89	406.89
70	342.57	360.09	360.09
75	294.88	310.08	310.08
80	245.08	257.88	257.88
85	194.30	204.70	204.70
90	143.84	151.96	151.96
95	95.21	101.37	101.37
100	50.71	55.82	55.82
105	21.25	27.91	39.40
110	40.32	45.54	47.76
115	69.68	75.06	75.06
120	94.48	100.61	100.61
125	113.21	120.05	120.05
130	125.79	133.14	133.14
135	132.68	140.32	140.32
140	134.81	142.54	142.54
145	133.51	141.18	141.18
150	130.41	137.96	137.96
155	127.36	134.77	134.77
160	126.04	133.40	133.40
165	127.63	135.05	135.05
170	132.37	139.99	139.99
175	139.62	147.56	147.56

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	Etheo	Estd	Eaug
180	148.20	156.51	156.51
185	156.81	165.50	165.50
190	164.27	173.30	173.30
195	169.67	178.94	178.94
200	172.36	181.75	181.75
205	171.93	181.30	181.30
210	168.23	177.43	177.43
215	161.31	170.21	170.21
220	151.50	159.96	159.96
225	139.37	147.30	147.30
230	125.83	133.18	133.18
235	112.19	118.98	118.98
240	100.16	106.50	106.50
245	91.72	97.75	97.75
250	88.30	94.22	94.22
255	89.83	95.80	98.47
260	94.48	100.61	106.91
265	99.65	105.97	112.21
270	102.92	109.35	114.69
275	102.39	108.81	113.78
280	96.78	103.00	105.69
285	85.37	91.19	91.30
290	68.13	73.48	73.48
295	46.63	51.75	51.75
300	30.04	35.72	35.72
305	44.61	49.75	49.75
310	81.08	86.77	86.77
315	124.85	132.16	132.16
320	172.09	181.47	181.47
325	220.89	232.54	232.54
330	269.79	283.77	283.77
335	317.50	333.80	333.80
340	362.95	381.47	381.47
345	405.21	425.81	425.81
350	443.56	466.04	466.04
355	477.41	501.56	501.56