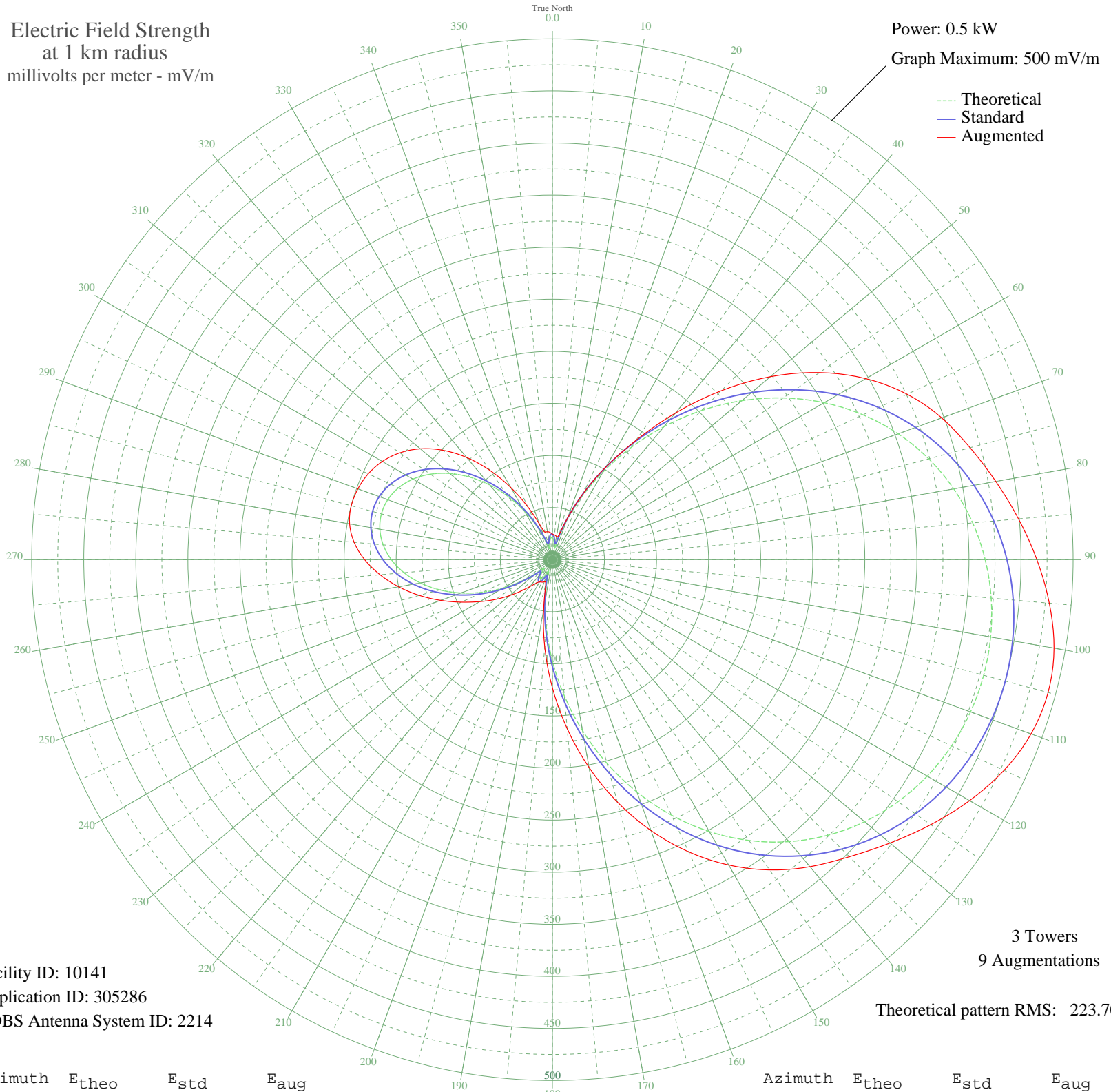


KFXN MINNEAPOLIS, MN BL-- 690 kHz

Daytime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 10141
Application ID: 305286
CDBS Antenna System ID: 2214

3 Towers
9 Augmentations
Theoretical pattern RMS: 223.70

Azimuth	E _{theo}	E _{std}	E _{aug}
0	21.18	24.60	24.60
5	17.16	20.85	23.79
10	11.08	15.67	22.53
15	18.44	22.03	24.82
20	39.16	42.44	42.44
25	66.08	70.17	70.17
30	97.19	102.59	102.59
35	131.14	138.09	139.68
40	166.62	175.26	183.64
45	202.41	212.79	229.35
50	237.39	249.48	273.26
55	270.62	284.35	313.12
60	301.34	316.59	347.53
65	329.02	345.63	375.80
70	353.32	371.14	397.87
75	374.09	392.94	415.22
80	391.32	411.02	432.33
85	405.11	425.49	449.27
90	415.59	436.49	465.21
95	422.93	444.20	478.97
100	427.27	448.75	489.10
105	428.70	450.26	492.75
110	427.27	448.75	489.10
115	422.93	444.20	478.50
120	415.59	436.49	462.58
125	405.11	425.49	443.52
130	391.32	411.02	423.17
135	374.09	392.94	403.31
140	353.32	371.14	384.76
145	329.02	345.63	363.56
150	301.34	316.59	338.46
155	270.62	284.35	309.43
160	237.39	249.48	276.71
165	202.41	212.79	240.81
170	166.62	175.26	202.52
175	131.14	138.09	162.84

Azimuth	E _{theo}	E _{std}	E _{aug}
180	97.19	102.59	122.97
185	66.08	70.17	84.29
190	39.16	42.44	48.66
195	18.44	22.03	24.82
200	11.08	15.67	22.53
205	17.16	20.85	23.79
210	21.18	24.60	24.60
215	20.27	23.73	27.81
220	15.15	19.06	33.89
225	10.87	15.51	42.56
230	19.11	22.65	53.57
235	35.23	38.45	66.41
240	54.07	57.74	80.47
245	73.86	78.26	96.43
250	93.46	98.70	114.17
255	111.99	118.05	132.34
260	128.71	135.55	149.92
265	143.07	150.59	166.12
270	154.63	162.70	180.24
275	163.09	171.56	191.10
280	168.24	176.96	197.73
285	169.97	178.77	199.96
290	168.24	176.96	198.76
295	163.09	171.56	195.06
300	154.63	162.70	188.54
305	143.07	150.59	178.81
310	128.71	135.55	165.53
315	111.99	118.05	148.53
320	93.46	98.70	128.02
325	73.86	78.26	104.67
330	54.07	57.74	79.96
335	35.23	38.45	56.00
340	19.11	22.65	36.11
345	10.87	15.51	27.36
350	15.15	19.06	27.28
355	20.27	23.73	26.27

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