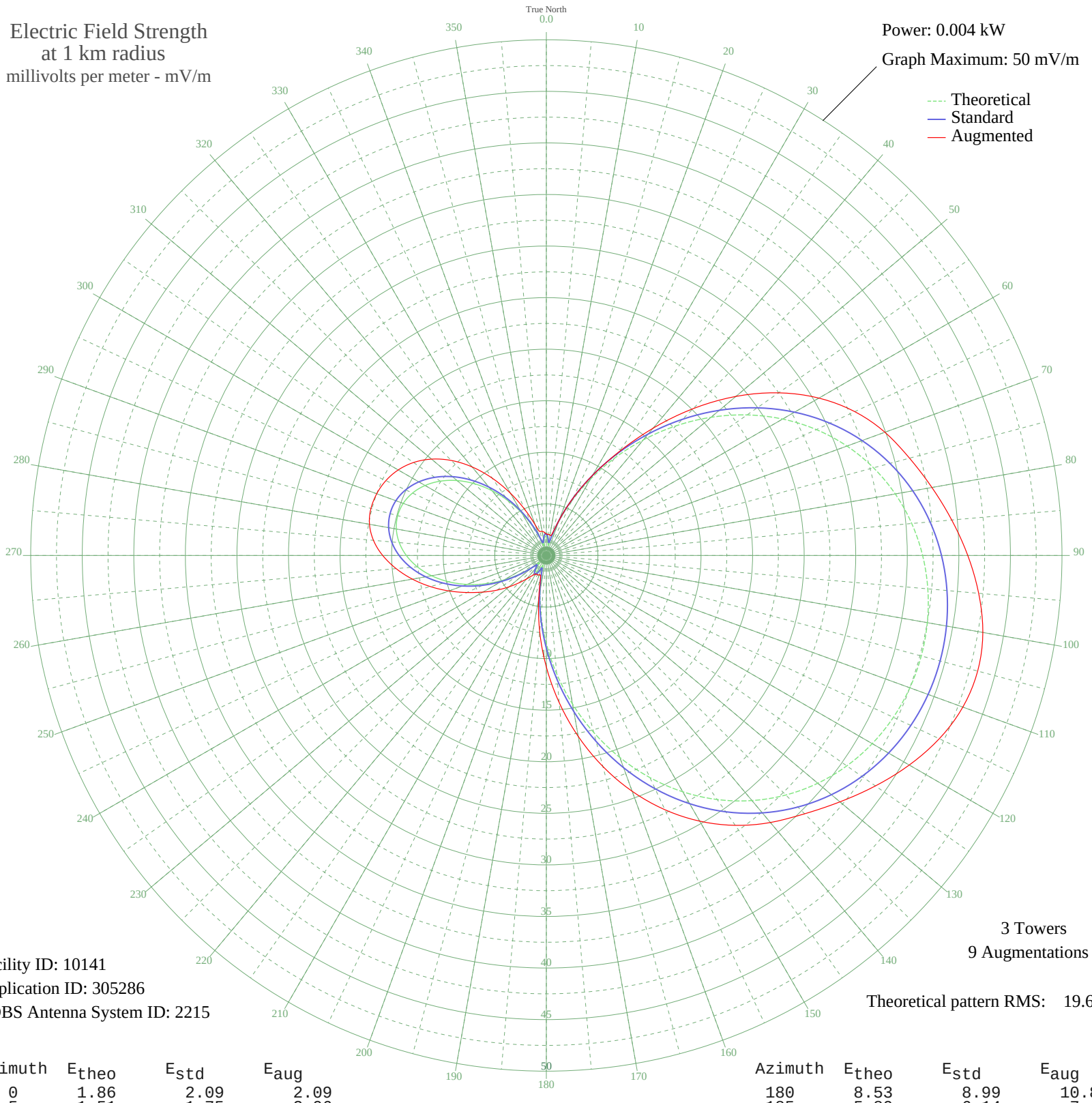
KFXN MINNEAPOLIS, MN BL-- 690 kHz

Nighttime

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



Power: 0.004 kW

Graph Maximum: 50 mV/m

Theoretical
Standard
Augmented

3 Towers
9 Augmentations

Facility ID: 10141
Application ID: 305286
CDBS Antenna System ID: 2215

Theoretical pattern RMS: 19.65

Azimuth	E_{theo}	E_{std}	E_{aug}	Azimuth	E_{theo}	E_{std}	E_{aug}
0	1.86	2.09	2.09	180	8.53	8.99	10.81
5	1.51	1.75	2.06	185	5.80	6.14	7.40
10	0.97	1.26	2.00	190	3.44	3.69	4.25
15	1.62	1.86	2.16	195	1.62	1.86	2.16
20	3.44	3.69	3.69	200	0.97	1.26	2.00
25	5.80	6.14	6.14	205	1.51	1.75	2.06
30	8.53	8.99	8.99	210	1.86	2.09	2.09
35	11.51	12.11	12.25	215	1.78	2.01	2.39
40	14.63	15.38	16.12	220	1.33	1.58	2.96
45	17.77	18.67	20.13	225	0.95	1.25	3.75
50	20.84	21.90	23.99	230	1.68	1.91	4.73
55	23.76	24.96	27.50	235	3.09	3.33	5.87
60	26.46	27.79	30.52	240	4.75	5.04	7.10
65	28.89	30.34	33.00	245	6.48	6.85	8.50
70	31.02	32.58	34.94	250	8.21	8.65	10.05
75	32.84	34.49	36.46	255	9.83	10.35	11.65
80	34.36	36.08	37.96	260	11.30	11.89	13.19
85	35.57	37.35	39.46	265	12.56	13.21	14.62
90	36.49	38.32	40.87	270	13.58	14.27	15.87
95	37.13	39.00	42.08	275	14.32	15.05	16.83
100	37.51	39.40	42.98	280	14.77	15.53	17.41
105	37.64	39.53	43.30	285	14.92	15.69	17.61
110	37.51	39.40	42.98	290	14.77	15.53	17.50
115	37.13	39.00	42.04	295	14.32	15.05	17.17
120	36.49	38.32	40.64	300	13.58	14.27	16.59
125	35.57	37.35	38.95	305	12.56	13.21	15.72
130	34.36	36.08	37.16	310	11.30	11.89	14.54
135	32.84	34.49	35.42	315	9.83	10.35	13.03
140	31.02	32.58	33.80	320	8.21	8.65	11.22
145	28.89	30.34	31.94	325	6.48	6.85	9.16
150	26.46	27.79	29.74	330	4.75	5.04	6.98
155	23.76	24.96	27.20	335	3.09	3.33	4.88
160	20.84	21.90	24.33	340	1.68	1.91	3.15
165	17.77	18.67	21.18	345	0.95	1.25	2.40
170	14.63	15.38	17.81	350	1.33	1.58	2.38
175	11.51	12.11	14.32	355	1.78	2.01	2.26

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission