

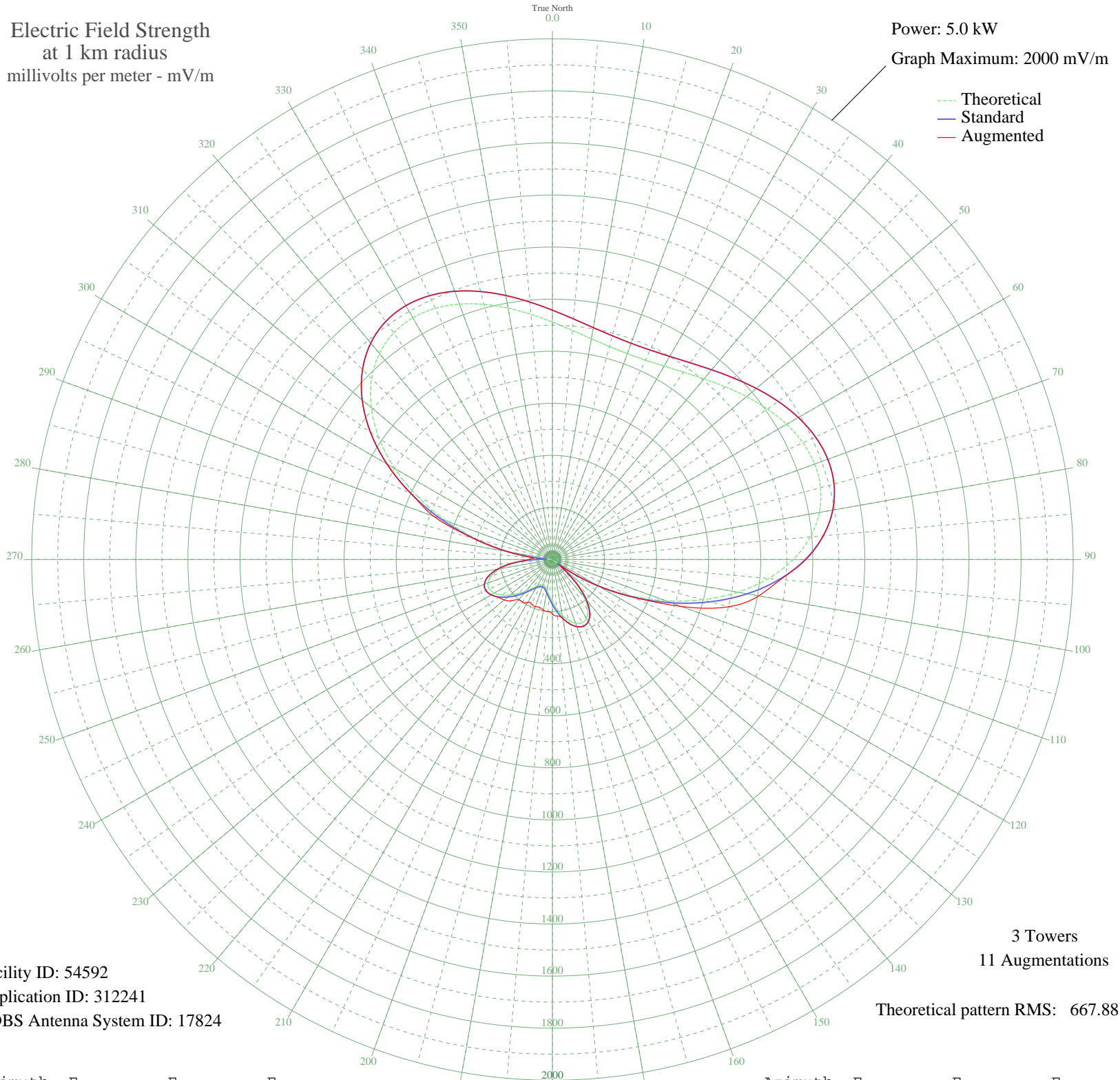
KNOX GRAND FORKS, ND BL-- 1310 kHz

Nighttime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 54592
Application ID: 312241
CDBS Antenna System ID: 17824

3 Towers
11 Augmentations

Theoretical pattern RMS: 667.88

Azimuth	Etheo	Estd	Eaug
0	911.81	957.68	957.68
5	883.19	927.64	927.64
10	861.12	904.49	904.49
15	846.98	889.64	889.64
20	841.57	883.96	883.96
25	845.18	887.75	887.75
30	857.63	900.82	900.82
35	878.20	922.41	922.41
40	905.64	951.21	951.21
45	938.13	985.32	985.32
50	973.24	1022.17	1022.17
55	1007.91	1058.56	1058.56
60	1038.55	1090.73	1090.73
65	1061.18	1114.49	1114.49
70	1071.67	1125.49	1125.49
75	1066.06	1119.61	1119.61
80	1041.01	1093.31	1093.31
85	994.18	1044.16	1044.16
90	924.69	971.20	973.65
95	833.32	875.30	879.83
100	722.71	759.21	804.54
105	597.18	627.48	701.33
110	462.45	486.14	528.47
115	325.07	342.13	342.13
120	191.82	202.78	202.78
125	69.01	76.17	76.17
130	38.12	46.41	57.94
135	125.84	134.21	134.21
140	192.17	203.14	203.14
145	236.86	249.81	249.81
150	261.26	275.32	275.32
155	267.95	282.32	282.32
160	260.36	274.38	274.38
165	242.34	255.54	255.54
170	217.79	229.88	229.88
175	190.39	201.29	217.74

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	163.37	173.14	209.21
185	139.41	148.26	200.44
190	120.59	128.78	197.95
195	108.39	116.20	190.58
200	103.69	111.38	192.78
205	106.83	114.60	188.08
210	117.59	125.68	189.54
215	135.18	143.87	199.93
220	158.26	167.83	201.92
225	184.86	195.52	224.15
230	212.43	224.28	241.74
235	237.83	250.82	253.81
240	257.46	271.35	271.35
245	267.45	281.81	281.81
250	263.91	278.10	278.10
255	243.29	256.53	256.53
260	202.81	214.24	214.30
265	140.85	149.75	150.50
270	57.31	64.59	90.80
275	46.19	53.88	72.32
280	166.24	176.12	176.63
285	297.88	313.65	313.66
290	434.97	457.32	486.02
295	570.77	599.77	599.77
300	698.63	733.94	733.94
305	812.62	853.58	853.58
310	908.11	953.80	953.80
315	982.10	1031.47	1031.47
320	1033.44	1085.36	1085.36
325	1062.70	1116.08	1116.08
330	1071.95	1125.79	1125.79
335	1064.38	1117.85	1117.85
340	1043.85	1096.29	1096.29
345	1014.48	1065.46	1065.46
350	980.31	1029.60	1029.60
355	945.04	992.56	992.56