

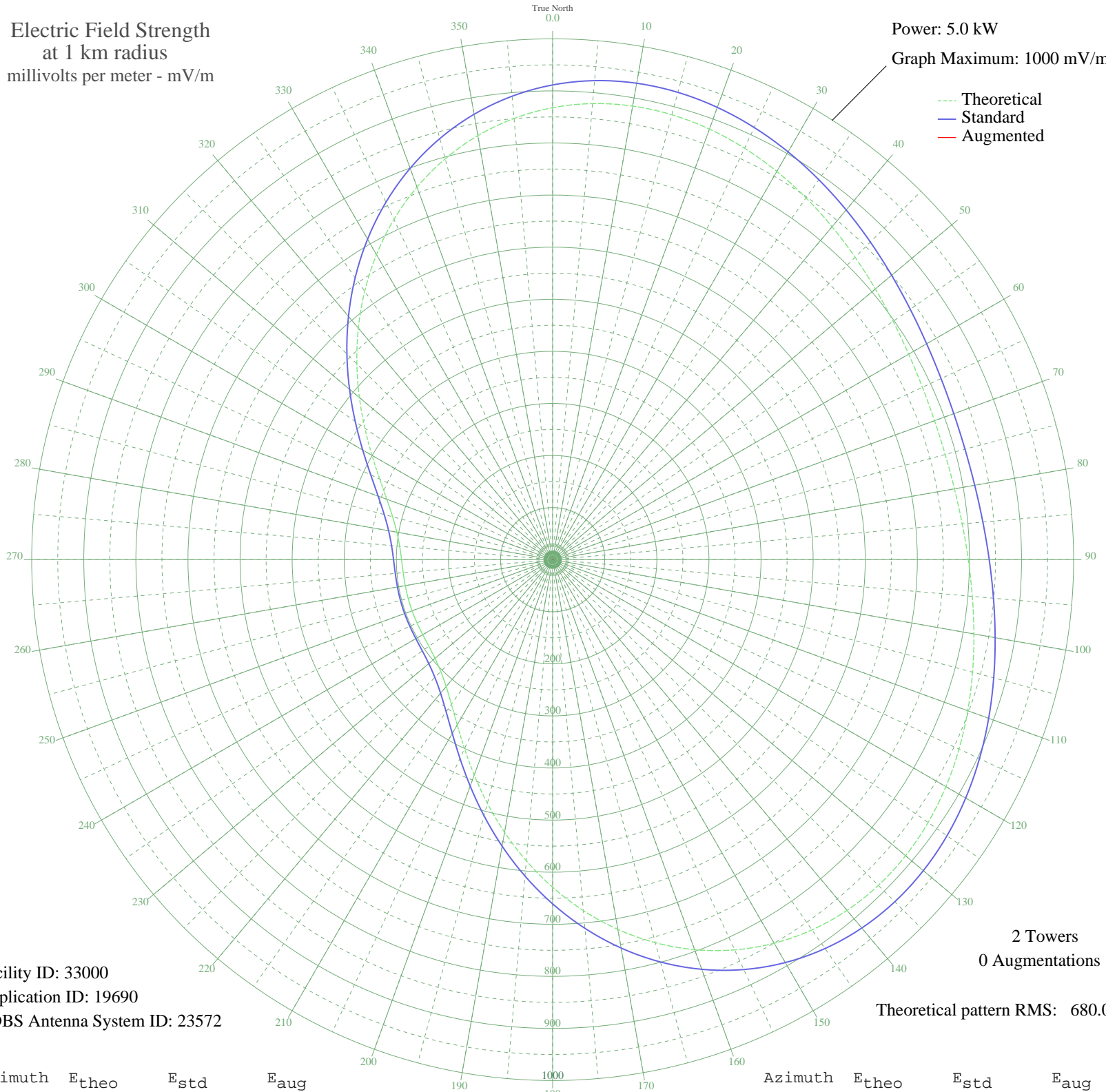
KGFK EAST GRAND FORKS, MN BL-19800415AA 1590 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 33000
Application ID: 19690
CDBS Antenna System ID: 23572

2 Towers
0 Augmentations

Theoretical pattern RMS: 680.09

Azimuth	E _{theo}	E _{std}	E _{aug}
0	867.77	911.46	
5	878.96	923.21	
10	884.29	928.81	
15	884.33	928.84	
20	879.80	924.09	
25	871.59	915.48	
30	860.65	903.99	
35	847.96	890.67	
40	834.47	876.51	
45	821.09	862.46	
50	808.63	849.39	
55	797.80	838.02	
60	789.16	828.96	
65	783.17	822.66	
70	780.09	819.43	
75	780.09	819.43	
80	783.17	822.66	
85	789.16	828.96	
90	797.80	838.02	
95	808.63	849.39	
100	821.09	862.46	
105	834.47	876.51	
110	847.96	890.67	
115	860.65	903.99	
120	871.59	915.48	
125	879.80	924.09	
130	884.33	928.84	
135	884.29	928.81	
140	878.96	923.21	
145	867.77	911.46	
150	850.36	893.19	
155	826.65	868.30	
160	796.80	836.97	
165	761.27	799.68	
170	720.78	757.19	
175	676.30	710.51	

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.

Azimuth	E _{theo}	E _{std}	E _{aug}
180	629.01	660.87	
185	580.24	609.70	
190	531.47	558.54	
195	484.23	508.98	
200	440.04	462.64	
205	400.32	421.00	
210	366.29	385.32	
215	338.77	356.48	
220	318.02	334.75	
225	303.69	319.73	
230	294.80	310.43	
235	290.01	305.42	
240	287.91	303.22	
245	287.26	302.54	
250	287.16	302.43	
255	287.16	302.43	
260	287.26	302.54	
265	287.91	303.22	
270	290.01	305.42	
275	294.80	310.43	
280	303.69	319.73	
285	318.02	334.75	
290	338.77	356.48	
295	366.29	385.32	
300	400.32	421.00	
305	440.04	462.64	
310	484.23	508.98	
315	531.47	558.54	
320	580.24	609.70	
325	629.01	660.87	
330	676.30	710.51	
335	720.78	757.19	
340	761.27	799.68	
345	796.80	836.97	
350	826.65	868.30	
355	850.36	893.19	

10 Nov 2011

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