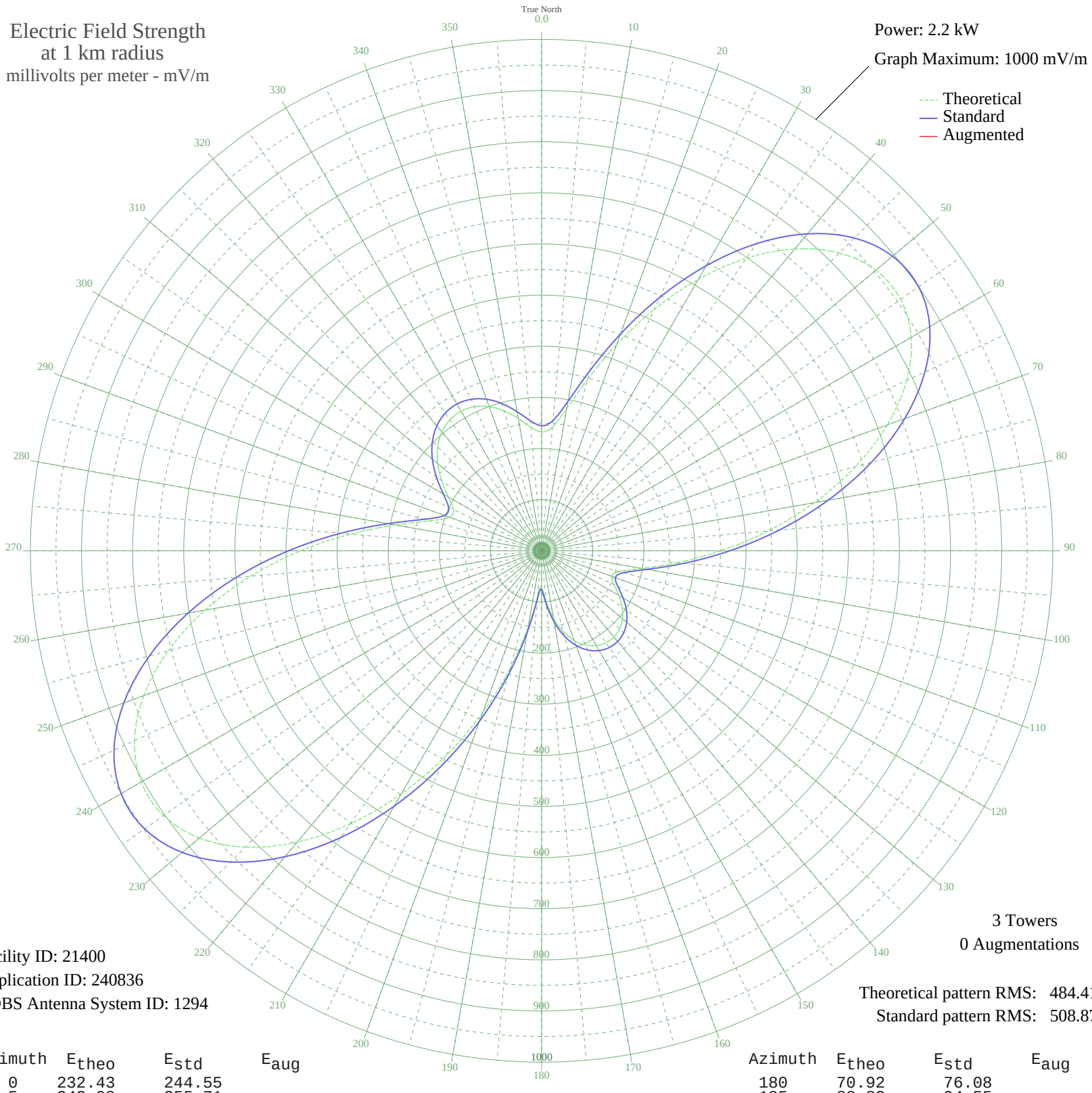
KBRF FERGUS FALLS, MN BL-19970206AB 1250 kHz

Nighttime

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



Power: 2.2 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 21400
Application ID: 240836
CDBS Antenna System ID: 1294

Theoretical pattern RMS: 484.41
Standard pattern RMS: 508.87

Azimuth	E_{theo}	E_{std}	E_{aug}
0	232.43	244.55	
5	243.08	255.71	
10	282.01	296.52	
15	346.76	364.44	
20	429.20	450.92	
25	520.54	546.79	
30	612.72	643.54	
35	698.30	733.38	
40	770.54	809.22	
45	823.70	865.03	
50	853.46	896.27	
55	857.32	900.32	
60	834.87	876.75	
65	787.81	827.34	
70	719.74	755.88	
75	635.75	667.72	
80	541.89	569.20	
85	444.63	467.13	
90	350.53	368.38	
95	266.19	279.94	
100	198.97	209.49	
105	157.22	165.82	
110	145.55	153.61	
115	155.90	164.44	
120	174.40	183.78	
125	192.39	202.61	
130	206.44	217.33	
135	215.64	226.96	
140	219.94	231.46	
145	219.44	230.94	
150	214.08	225.32	
155	203.48	214.22	
160	186.99	196.96	
165	163.85	172.75	
170	133.70	141.25	
175	98.43	104.52	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	70.92	76.08	
185	88.82	94.55	
190	152.80	161.19	
195	238.62	251.03	
200	336.85	354.04	
205	442.08	464.44	
210	548.94	576.59	
215	651.57	684.32	
220	743.80	781.14	
225	819.65	860.77	
230	873.94	917.77	
235	902.89	948.16	
240	904.50	949.86	
245	878.89	922.97	
250	828.20	869.74	
255	756.36	794.34	
260	668.72	702.33	
265	571.47	600.25	
270	471.26	495.07	
275	375.01	394.07	
280	290.26	305.17	
285	226.03	237.84	
290	192.02	202.22	
295	190.70	200.84	
300	210.90	221.99	
305	238.55	250.96	
310	265.27	278.96	
315	287.33	302.10	
320	303.30	318.85	
325	312.66	328.66	
330	315.21	331.33	
335	310.93	326.85	
340	300.02	315.41	
345	283.24	297.81	
350	262.62	276.19	
355	242.79	255.41	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission