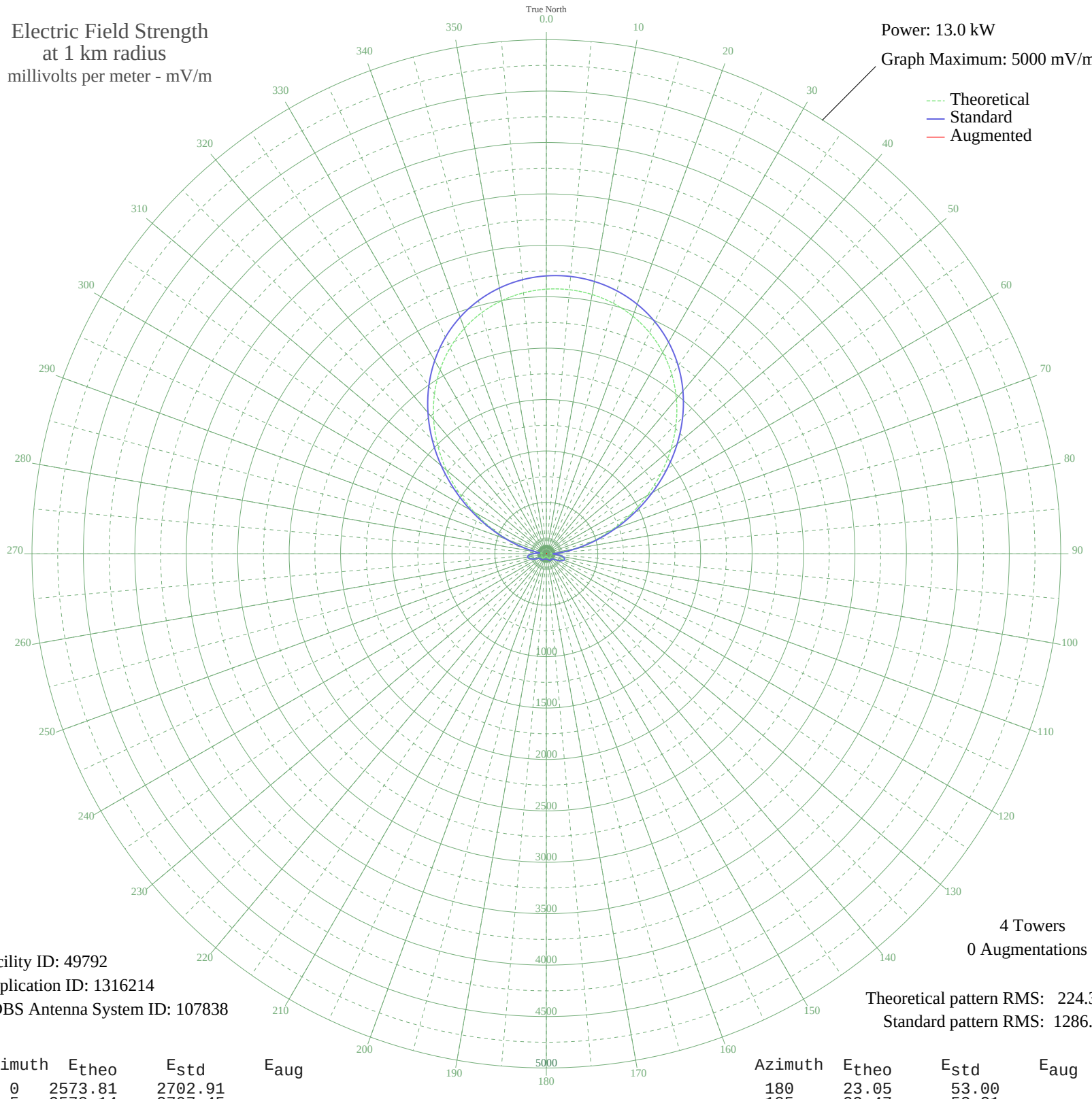
KFNW WEST FARGO, ND BMML-20090130AVH 1200 kHz

Nighttime

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



Power: 13.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 49792
Application ID: 1316214
CDBS Antenna System ID: 107838

Theoretical pattern RMS: 224.30
Standard pattern RMS: 1286.38

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2573.81	2702.91	
5	2578.14	2707.45	
10	2560.78	2689.24	
15	2521.39	2647.88	
20	2459.20	2582.59	
25	2373.29	2492.40	
30	2262.79	2376.40	
35	2127.25	2234.11	
40	1966.99	2065.88	
45	1783.51	1873.27	
50	1579.72	1659.37	
55	1360.18	1428.97	
60	1131.08	1188.57	
65	899.95	946.12	
70	675.26	710.59	
75	465.74	491.30	
80	279.73	297.48	
85	125.39	139.85	
90	37.04	61.12	
95	98.52	113.69	
100	149.02	163.43	
105	170.38	185.01	
110	167.07	181.65	
115	146.04	160.43	
120	115.18	129.80	
125	82.82	98.92	
130	58.07	77.08	
135	49.01	69.80	
140	52.18	72.29	
145	56.16	75.50	
150	55.33	74.83	
155	49.18	69.93	
160	39.50	62.80	
165	29.33	56.32	
170	22.55	52.77	
175	21.46	52.26	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	23.05	53.00	
185	23.47	53.21	
190	22.05	52.53	
195	21.49	52.27	
200	25.99	54.48	
205	35.29	59.97	
210	45.59	67.19	
215	53.44	73.30	
220	56.51	75.79	
225	54.15	73.87	
230	49.50	70.18	
235	52.37	72.44	
240	71.46	88.62	
245	101.93	116.95	
250	134.42	148.81	
255	160.35	174.85	
260	171.66	186.31	
265	160.90	175.40	
270	122.28	136.78	
275	56.65	75.90	
280	75.79	92.50	
285	213.67	229.25	
290	388.07	410.20	
295	589.15	620.41	
300	808.81	850.56	
305	1038.41	1091.35	
310	1269.29	1333.59	
315	1493.48	1568.86	
320	1704.21	1790.04	
325	1896.26	1991.63	
330	2066.06	2169.87	
335	2211.58	2322.64	
340	2332.08	2449.14	
345	2427.74	2549.56	
350	2499.30	2624.69	
355	2547.71	2675.51	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission