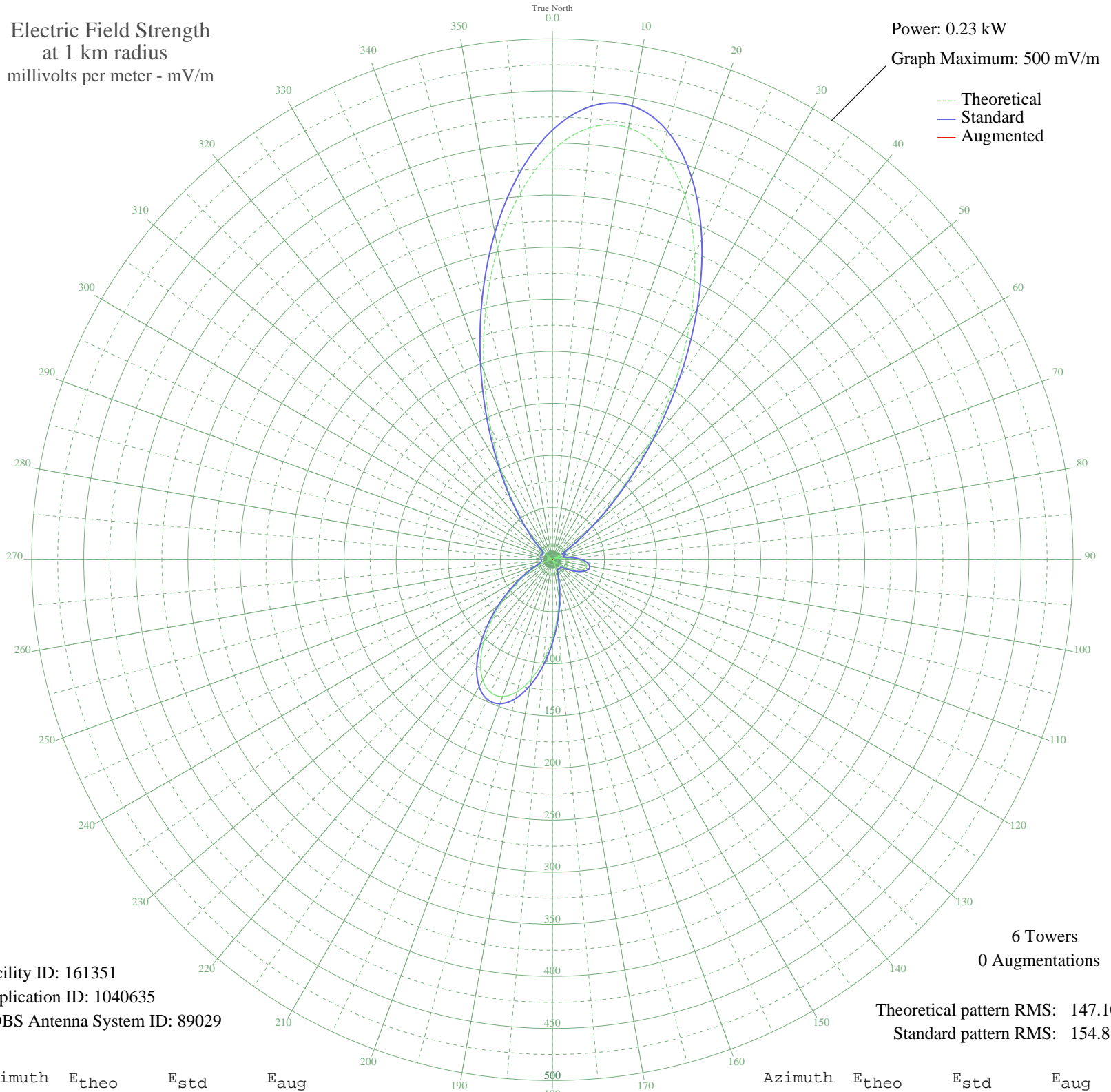


# NEW ALBERT LEA, MN BNP-20050118AGN 1100 kHz

Nighttime

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

Power: 0.23 kW  
Graph Maximum: 500 mV/m



Facility ID: 161351  
Application ID: 1040635  
CDBS Antenna System ID: 89029

Theoretical pattern RMS: 147.10  
Standard pattern RMS: 154.81

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	392.63	412.40	
5	416.30	437.24	
10	421.04	442.22	
15	405.79	426.21	
20	371.93	390.67	
25	323.10	339.42	
30	264.60	278.03	
35	202.50	212.89	
40	142.69	150.19	
45	90.06	95.14	
50	47.96	51.44	
55	18.01	21.63	
60	2.50	10.82	
65	8.21	13.59	
70	7.53	13.15	
75	1.46	10.61	
80	7.49	13.12	
85	16.89	20.61	
90	25.01	28.28	
95	30.65	33.85	
100	33.19	36.39	
105	32.55	35.75	
110	29.09	32.30	
115	23.50	26.82	
120	16.72	20.45	
125	9.75	14.67	
130	3.63	11.17	
135	1.13	10.57	
140	3.37	11.08	
145	3.37	11.08	
150	1.58	10.63	
155	4.61	11.56	
160	12.03	16.43	
165	22.73	26.07	
170	37.07	40.32	
175	54.99	58.69	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	75.53	80.00	
185	96.80	102.18	
190	116.27	122.53	
195	131.32	138.29	
200	139.81	147.18	
205	140.57	147.97	
210	133.65	140.72	
215	120.26	126.70	
220	102.45	108.09	
225	82.67	87.43	
230	63.17	67.16	
235	45.74	49.16	
240	31.37	34.58	
245	20.36	23.81	
250	12.38	16.71	
255	6.81	12.70	
260	3.01	10.97	
265	0.94	10.55	
270	1.92	10.69	
275	3.08	10.99	
280	3.89	11.27	
285	4.42	11.48	
290	4.64	11.58	
295	4.34	11.45	
300	2.98	10.96	
305	0.46	10.51	
310	6.94	12.78	
315	18.37	21.96	
320	36.35	39.59	
325	62.38	66.33	
330	97.33	102.74	
335	141.11	148.53	
340	192.22	202.11	
345	247.70	260.30	
350	303.17	318.50	
355	353.32	371.13	

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.

17 Jun 2006

Prepared by Audio Division, Media Bureau  
Federal Communications Commission