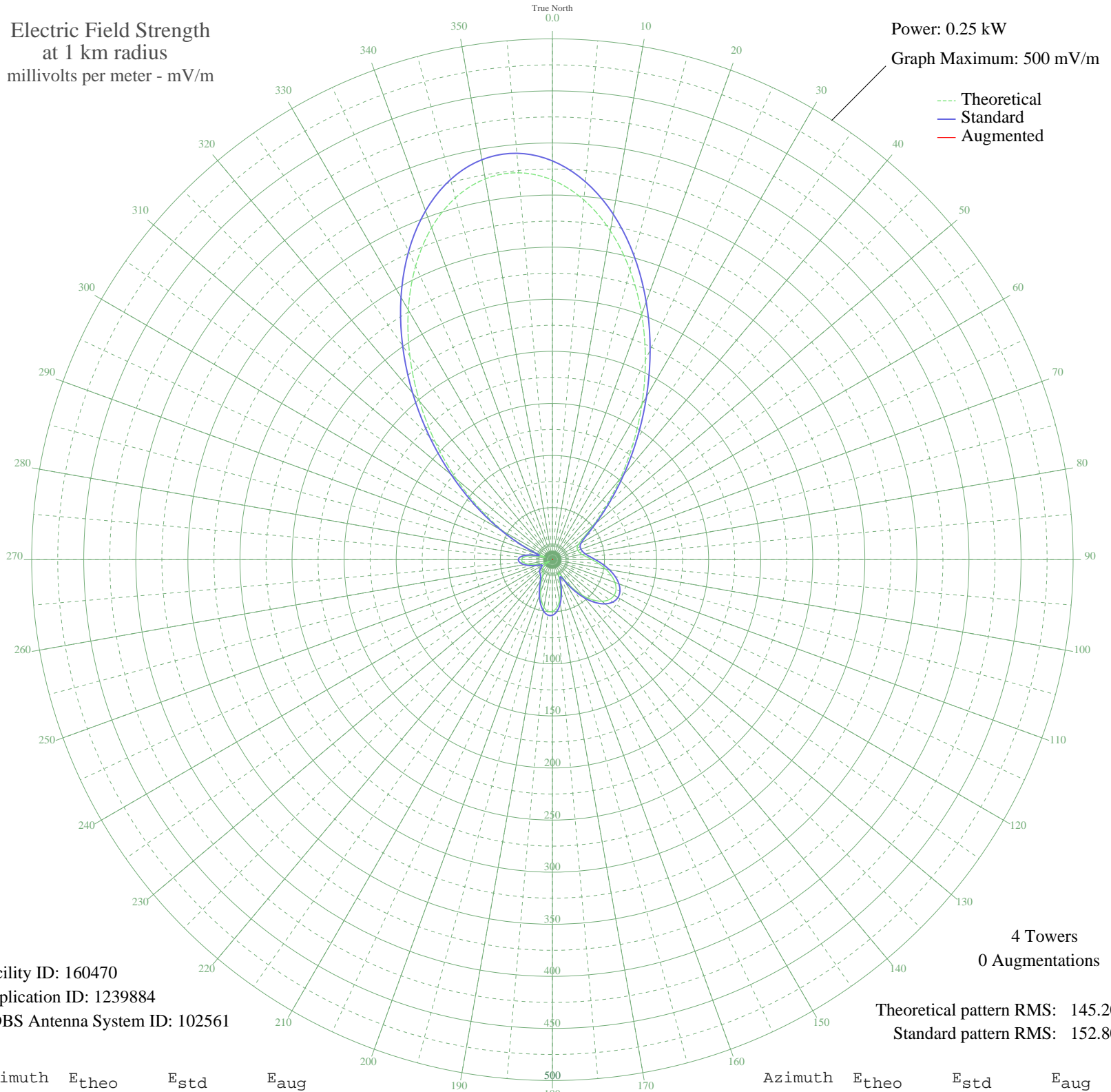


WKAJ LITTLE FALLS, NY BNP-20070926ALF 1120 kHz

Nighttime

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

Power: 0.25 kW
Graph Maximum: 500 mV/m



Facility ID: 160470
Application ID: 1239884
CDBS Antenna System ID: 102561

Theoretical pattern RMS: 145.20
Standard pattern RMS: 152.80

Azimuth	E _{theo}	E _{std}	E _{aug}
0	364.45	382.82	
5	346.63	364.11	
10	320.51	336.70	
15	287.81	302.38	
20	250.62	263.36	
25	211.19	222.00	
30	171.80	180.69	
35	134.48	141.60	
40	101.01	106.58	
45	72.79	77.14	
50	50.92	54.48	
55	36.19	39.42	
60	28.57	31.78	
65	26.12	29.36	
70	26.00	29.25	
75	26.85	30.08	
80	28.83	32.04	
85	32.55	35.76	
90	38.07	41.33	
95	44.81	48.21	
100	51.92	55.52	
105	58.56	62.37	
110	63.94	67.95	
115	67.42	71.56	
120	68.48	72.66	
125	66.75	70.87	
130	62.07	66.01	
135	54.48	58.16	
140	44.35	47.74	
145	32.43	35.64	
150	20.38	23.84	
155	13.63	17.75	
160	19.55	23.06	
165	30.11	33.32	
170	39.63	42.92	
175	46.43	49.87	

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	49.83	53.37	
185	49.72	53.25	
190	46.41	49.85	
195	40.61	43.91	
200	33.33	36.54	
205	25.84	29.09	
210	19.54	23.05	
215	15.61	19.46	
220	13.99	18.06	
225	13.09	17.29	
230	11.29	15.84	
235	7.98	13.44	
240	3.81	11.23	
245	5.25	11.86	
250	11.68	16.15	
255	18.39	21.98	
260	24.19	27.48	
265	28.18	31.39	
270	29.54	32.74	
275	27.54	30.77	
280	21.65	25.04	
285	11.99	16.40	
290	9.59	14.55	
295	28.34	31.55	
300	54.16	57.83	
305	85.09	89.96	
310	120.24	126.69	
315	158.54	166.79	
320	198.56	208.75	
325	238.60	250.75	
330	276.72	290.75	
335	310.89	326.61	
340	339.13	356.24	
345	359.67	377.80	
350	371.16	389.86	
355	372.81	391.59	

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission