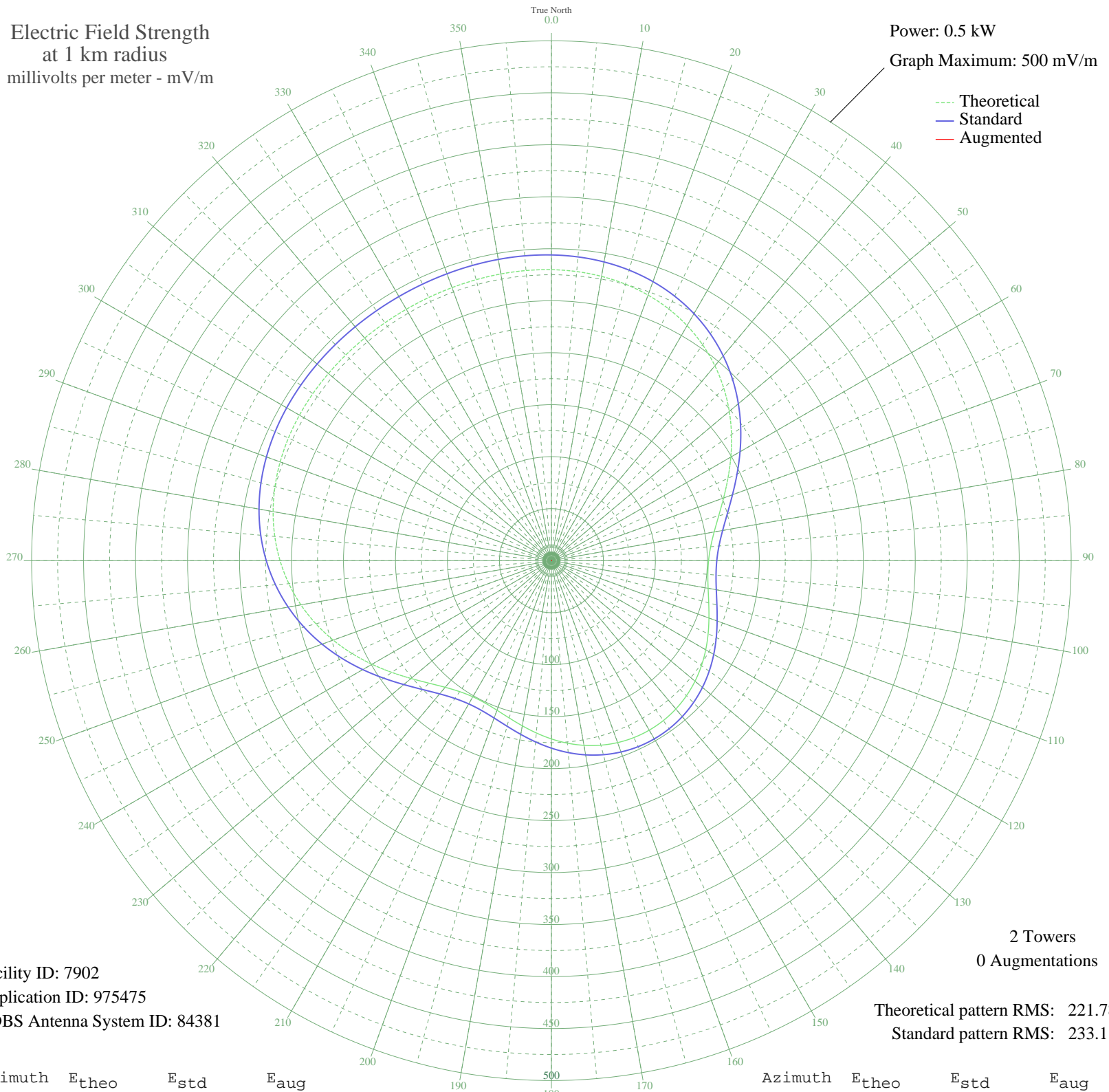


WGYV AURORA, IN BMJP-20040130BBK 1030 kHz

Critical Hours

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 7902
Application ID: 975475
CDBS Antenna System ID: 84381

2 Towers
0 Augmentations

Theoretical pattern RMS: 221.78
Standard pattern RMS: 233.11

Azimuth	E _{theo}	E _{std}	E _{aug}
0	279.87	294.05	
5	279.12	293.27	
10	277.66	291.73	
15	275.29	289.25	
20	271.83	285.61	
25	267.11	280.66	
30	261.03	274.28	
35	253.54	266.42	
40	244.67	257.12	
45	234.54	246.49	
50	223.36	234.77	
55	211.48	222.30	
60	199.30	209.53	
65	187.37	197.01	
70	176.27	185.38	
75	166.62	175.26	
80	158.98	167.26	
85	153.78	161.81	
90	151.18	159.08	
95	151.07	158.97	
100	153.07	161.07	
105	156.67	164.83	
110	161.27	169.66	
115	166.34	174.97	
120	171.43	180.31	
125	176.18	185.29	
130	180.34	189.65	
135	183.72	193.19	
140	186.21	195.80	
145	187.73	197.39	
150	188.24	197.93	
155	187.73	197.39	
160	186.21	195.80	
165	183.72	193.19	
170	180.34	189.65	
175	176.18	185.29	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	171.43	180.31	
185	166.34	174.97	
190	161.27	169.66	
195	156.67	164.83	
200	153.07	161.07	
205	151.07	158.97	
210	151.18	159.08	
215	153.78	161.81	
220	158.98	167.26	
225	166.62	175.26	
230	176.26	185.38	
235	187.37	197.01	
240	199.30	209.53	
245	211.48	222.30	
250	223.36	234.77	
255	234.54	246.49	
260	244.67	257.12	
265	253.54	266.42	
270	261.03	274.28	
275	267.11	280.66	
280	271.83	285.61	
285	275.29	289.25	
290	277.66	291.73	
295	279.12	293.27	
300	279.87	294.05	
305	280.11	294.30	
310	280.02	294.20	
315	279.76	293.94	
320	279.48	293.64	
325	279.27	293.42	
330	279.19	293.34	
335	279.27	293.42	
340	279.48	293.64	
345	279.76	293.94	
350	280.02	294.20	
355	280.11	294.30	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission