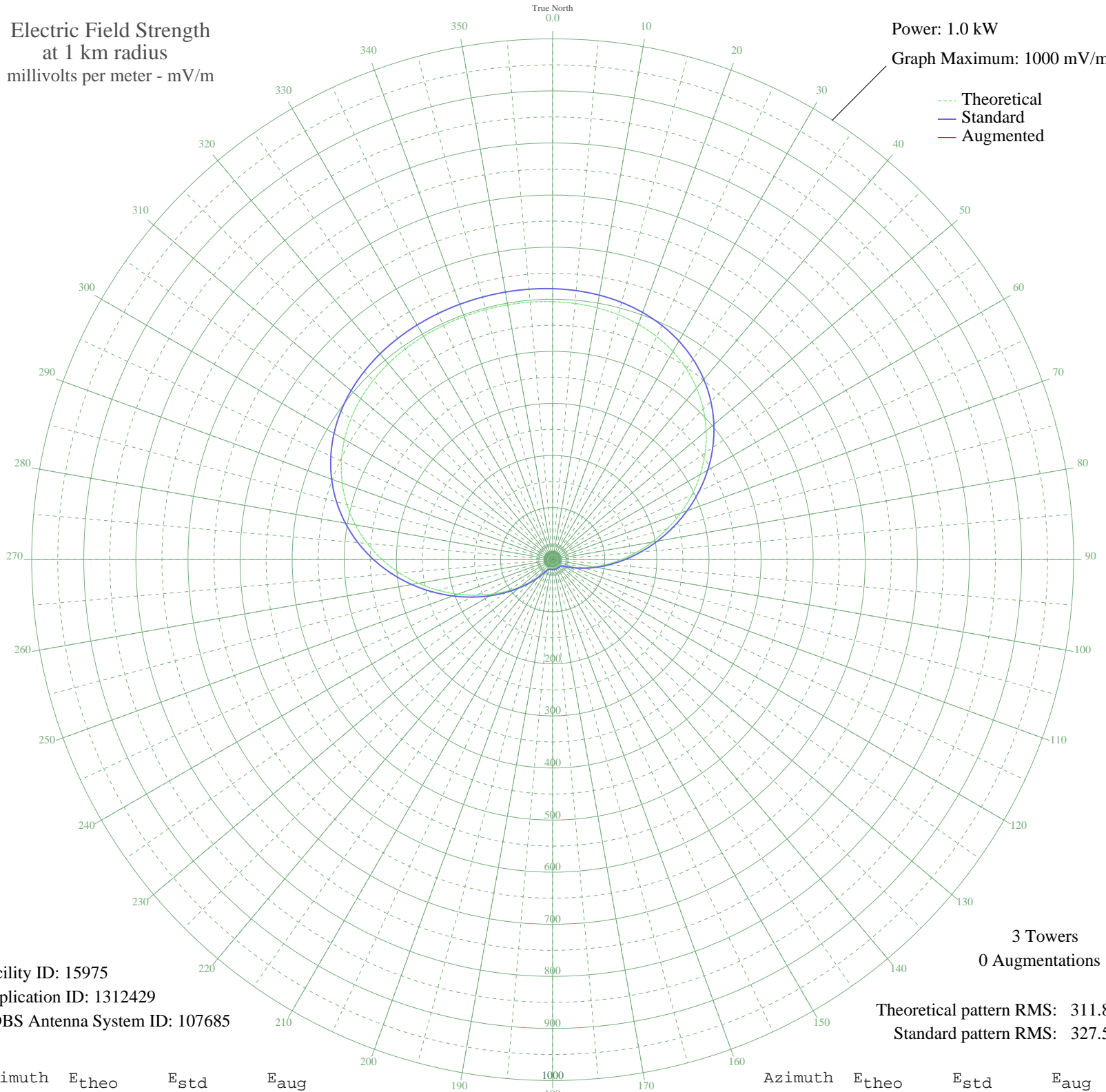


**KPRM PARK RAPIDS, MN BP-20080722AEV 870 kHz**

**Nighttime**

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 15975  
Application ID: 1312429  
CDBS Antenna System ID: 107685

3 Towers  
0 Augmentations

Theoretical pattern RMS: 311.80  
Standard pattern RMS: 327.56

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	495.36	520.23	
5	493.71	518.50	
10	491.01	515.67	
15	486.87	511.32	
20	480.86	505.01	
25	472.52	496.26	
30	461.46	484.65	
35	447.31	469.79	
40	429.83	451.45	
45	408.92	429.49	
50	384.62	403.99	
55	357.20	375.21	
60	327.08	343.60	
65	294.88	309.81	
70	261.36	274.63	
75	227.37	238.97	
80	193.80	203.76	
85	161.55	169.95	
90	131.41	138.38	
95	104.07	109.78	
100	80.07	84.73	
105	59.76	63.62	
110	43.36	46.73	
115	30.96	34.16	
120	22.54	25.89	
125	17.80	21.43	
130	15.81	19.64	
135	15.27	19.16	
140	15.20	19.11	
145	15.21	19.11	
150	15.21	19.11	
155	15.20	19.11	
160	15.21	19.11	
165	15.21	19.11	
170	15.21	19.11	
175	15.20	19.11	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	15.21	19.11	
185	15.21	19.11	
190	15.20	19.11	
195	15.27	19.16	
200	15.81	19.64	
205	17.80	21.43	
210	22.54	25.89	
215	30.96	34.16	
220	43.36	46.73	
225	59.76	63.62	
230	80.07	84.73	
235	104.07	109.78	
240	131.41	138.38	
245	161.55	169.95	
250	193.80	203.76	
255	227.37	238.97	
260	261.36	274.63	
265	294.88	309.81	
270	327.08	343.60	
275	357.20	375.21	
280	384.62	403.99	
285	408.92	429.49	
290	429.83	451.45	
295	447.31	469.79	
300	461.46	484.65	
305	472.52	496.26	
310	480.86	505.01	
315	486.87	511.32	
320	491.01	515.67	
325	493.71	518.50	
330	495.36	520.23	
335	496.29	521.21	
340	496.74	521.68	
345	496.87	521.82	
350	496.74	521.68	
355	496.29	521.21	