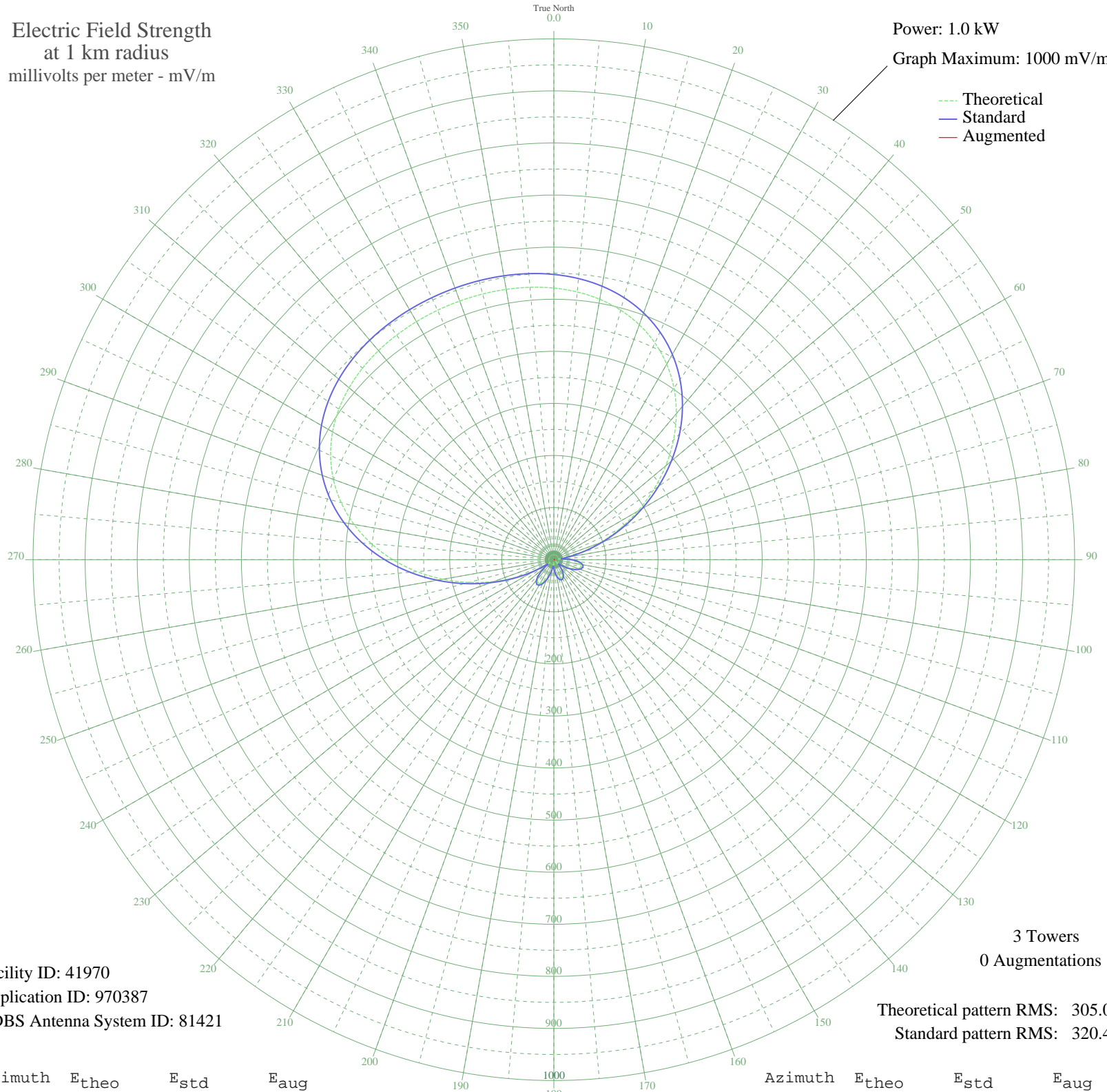


WREY ST. PAUL, MN BMAP-20040126AJV 630 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 41970  
Application ID: 970387  
CDBS Antenna System ID: 81421

3 Towers  
0 Augmentations

Theoretical pattern RMS: 305.06  
Standard pattern RMS: 320.49

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	521.43	547.61	
5	515.90	541.80	
10	507.62	533.10	
15	495.85	520.75	
20	479.91	504.01	
25	459.19	482.27	
30	433.30	455.09	
35	402.11	422.34	
40	365.79	384.22	
45	324.90	341.31	
50	280.38	294.59	
55	233.50	245.40	
60	185.79	195.36	
65	138.94	146.26	
70	94.68	99.97	
75	54.70	58.39	
80	20.92	24.34	
85	11.95	16.36	
90	31.28	34.48	
95	45.16	48.57	
100	52.45	56.07	
105	53.69	57.35	
110	49.79	53.33	
115	41.88	45.21	
120	31.19	34.39	
125	19.01	22.55	
130	7.19	12.93	
135	8.24	13.60	
140	18.47	22.06	
145	27.31	30.53	
150	33.72	36.93	
155	37.30	40.55	
160	37.86	41.11	
165	35.35	38.57	
170	29.92	33.13	
175	21.89	25.27	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	11.93	16.35	
185	4.68	11.59	
190	14.55	18.53	
195	26.91	30.14	
200	38.29	41.55	
205	47.35	50.81	
210	52.83	56.45	
215	53.56	57.21	
220	48.53	52.03	
225	37.04	40.29	
230	19.16	22.69	
235	11.53	16.02	
240	41.68	45.00	
245	79.71	84.35	
250	122.62	129.18	
255	168.73	177.48	
260	216.33	227.39	
265	263.70	277.09	
270	309.23	324.87	
275	351.55	369.28	
280	389.60	409.21	
285	422.68	443.94	
290	450.48	473.12	
295	473.02	496.79	
300	490.63	515.26	
305	503.82	529.11	
310	513.27	539.04	
315	519.71	545.80	
320	523.86	550.15	
325	526.35	552.76	
330	527.71	554.20	
335	528.33	554.85	
340	528.42	554.94	
345	528.01	554.50	
350	526.94	553.39	
355	524.91	551.26	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission