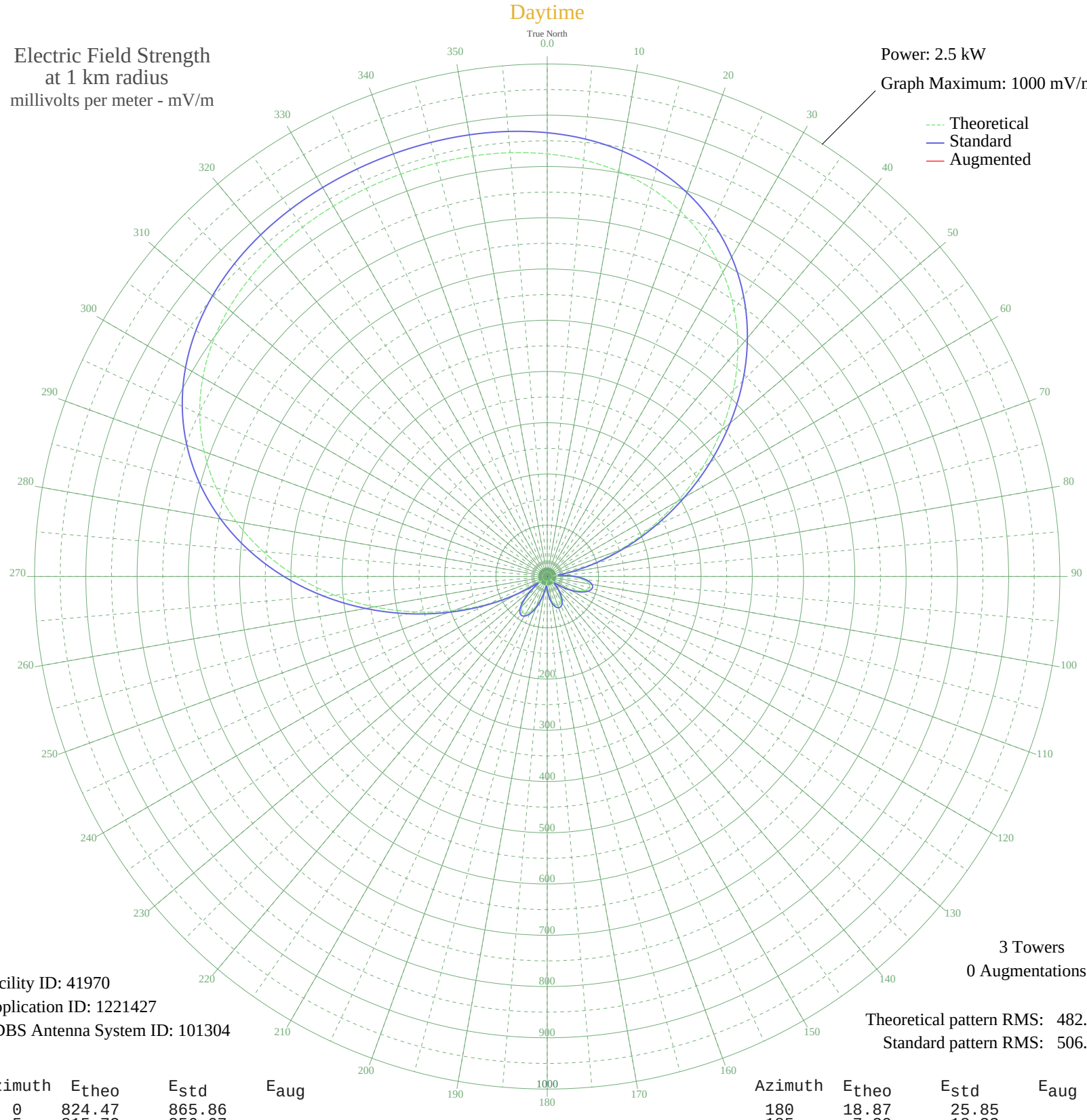
WDGY ST. PAUL, MN BMAP-20041028ABR 630 kHz

Daytime

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

Power: 2.5 kW

Graph Maximum: 1000 mV/m



3 Towers
0 Augmentations

Facility ID: 41970
Application ID: 1221427
CDBS Antenna System ID: 101304

Theoretical pattern RMS: 482.35
Standard pattern RMS: 506.74

Azimuth	E_{theo}	E_{std}	E_{aug}
0	824.47	865.86	
5	815.72	856.67	
10	802.62	842.92	
15	784.02	823.39	
20	758.81	796.92	
25	726.06	762.54	
30	685.13	719.57	
35	635.79	667.79	
40	578.37	607.51	
45	513.72	539.66	
50	443.33	465.80	
55	369.20	388.02	
60	293.76	308.90	
65	219.69	231.27	
70	149.71	158.07	
75	86.49	92.32	
80	33.07	38.49	
85	18.89	25.86	
90	49.46	54.53	
95	71.41	76.80	
100	82.94	88.66	
105	84.90	90.67	
110	78.73	84.32	
115	66.23	71.49	
120	49.32	54.38	
125	30.06	35.66	
130	11.37	20.45	
135	13.02	21.51	
140	29.21	34.87	
145	43.18	48.28	
150	53.32	58.39	
155	58.98	64.12	
160	59.86	65.01	
165	55.90	60.99	
170	47.31	52.38	
175	34.62	39.96	

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.

22 May 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	18.87	25.85	
185	7.39	18.33	
190	23.00	29.31	
195	42.55	47.66	
200	60.54	65.70	
205	74.86	80.34	
210	83.53	89.26	
215	84.68	90.45	
220	76.73	82.26	
225	58.57	63.70	
230	30.29	35.88	
235	18.23	25.34	
240	65.90	71.16	
245	126.04	133.38	
250	193.88	204.25	
255	266.79	280.62	
260	342.06	359.55	
265	416.96	438.12	
270	488.95	513.66	
275	555.86	583.89	
280	616.02	647.03	
285	668.33	701.94	
290	712.29	748.08	
295	747.93	785.50	
300	775.76	814.72	
305	796.62	836.62	
310	811.57	852.31	
315	821.75	863.00	
320	828.30	869.88	
325	832.24	874.01	
330	834.40	876.27	
335	835.38	877.30	
340	835.52	877.45	
345	834.86	876.76	
350	833.18	875.00	
355	829.97	871.63	