KOGA OGALLALA, NE BP-20091215AAE 930 kHz

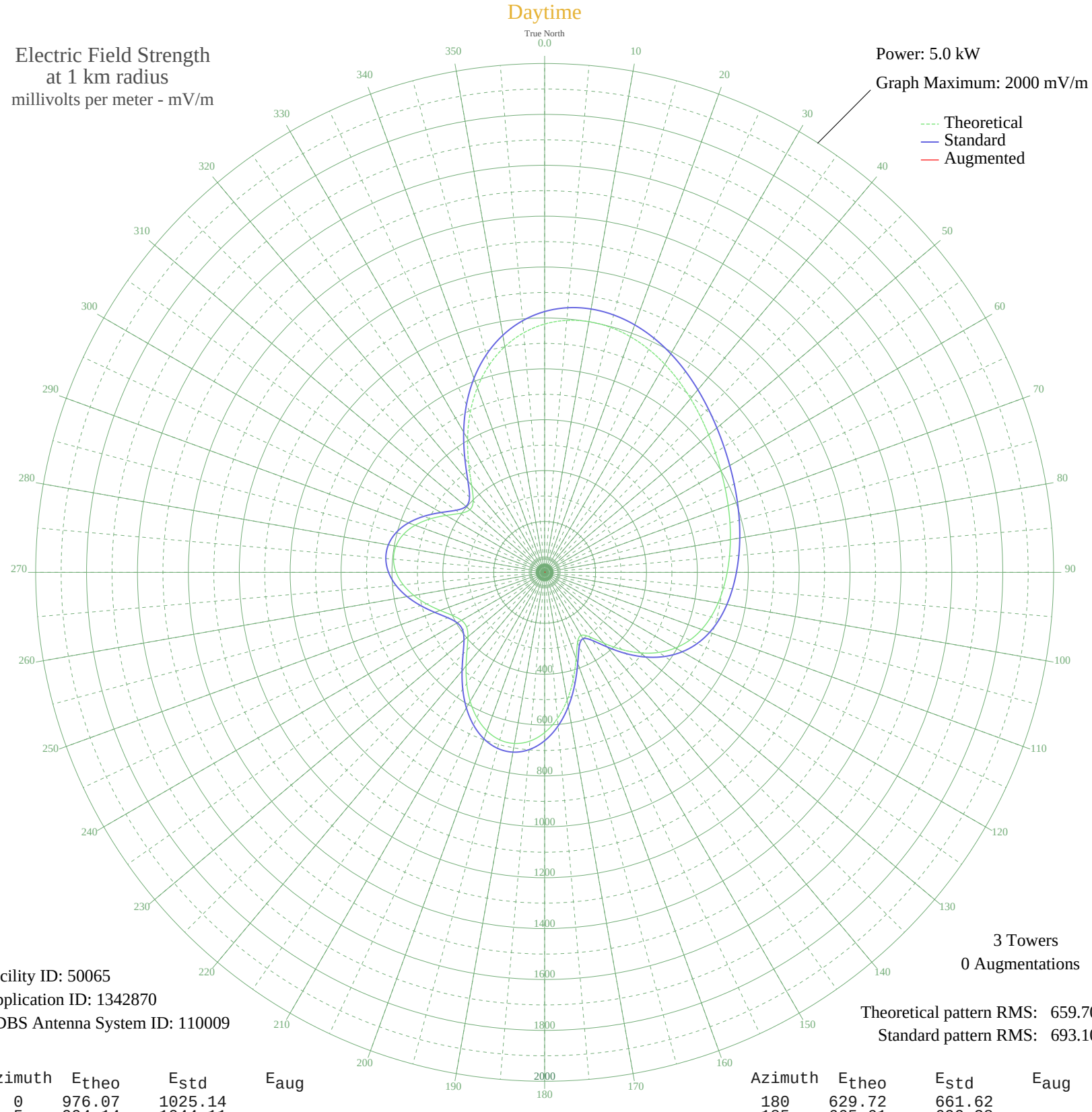
Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



3 Towers
0 Augmentations

Facility ID: 50065
Application ID: 1342870
CDBS Antenna System ID: 110009

Theoretical pattern RMS: 659.70
Standard pattern RMS: 693.10

Azimuth	E_{theo}	E_{std}	E_{aug}
0	976.07	1025.14	
5	994.14	1044.11	
10	1000.71	1051.01	
15	997.30	1047.42	
20	985.56	1035.11	
25	967.30	1015.94	
30	944.38	991.88	
35	918.66	964.88	
40	891.91	936.80	
45	865.68	909.27	
50	841.15	883.52	
55	819.04	860.31	
60	799.55	839.86	
65	782.50	821.96	
70	767.42	806.13	
75	753.78	791.81	
80	741.10	778.51	
85	729.04	765.86	
90	717.27	753.50	
95	705.27	740.91	
100	692.18	727.16	
105	676.55	710.76	
110	656.45	689.67	
115	629.65	661.55	
120	594.06	624.20	
125	548.32	576.22	
130	492.49	517.65	
135	428.99	451.05	
140	364.06	382.99	
145	310.06	326.41	
150	285.87	301.08	
155	305.36	321.49	
160	361.23	380.02	
165	434.45	456.78	
170	509.50	535.49	
175	576.57	605.85	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	629.72	661.62	
185	665.61	699.28	
190	682.83	717.35	
195	681.49	715.95	
200	663.01	696.56	
205	629.84	661.75	
210	585.36	615.08	
215	533.79	560.97	
220	480.30	504.86	
225	431.14	453.31	
230	393.53	413.87	
235	374.34	393.75	
240	377.25	396.80	
245	400.30	420.97	
250	437.05	459.50	
255	479.86	504.40	
260	521.97	548.57	
265	557.98	586.35	
270	583.75	613.39	
275	596.23	626.48	
280	593.50	623.61	
285	574.93	604.14	
290	541.62	569.18	
295	496.92	522.30	
300	447.53	470.50	
305	404.60	425.48	
310	383.40	403.26	
315	397.02	417.54	
320	446.32	469.22	
325	520.33	546.85	
330	605.75	636.47	
335	692.23	727.22	
340	772.83	811.81	
345	843.21	885.69	
350	901.02	946.36	
355	945.29	992.83	

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.

15 Feb 2012

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Federal Communications Commission