KTFJ DAKOTA CITY, NE BL-19890719AD 1250 kHz

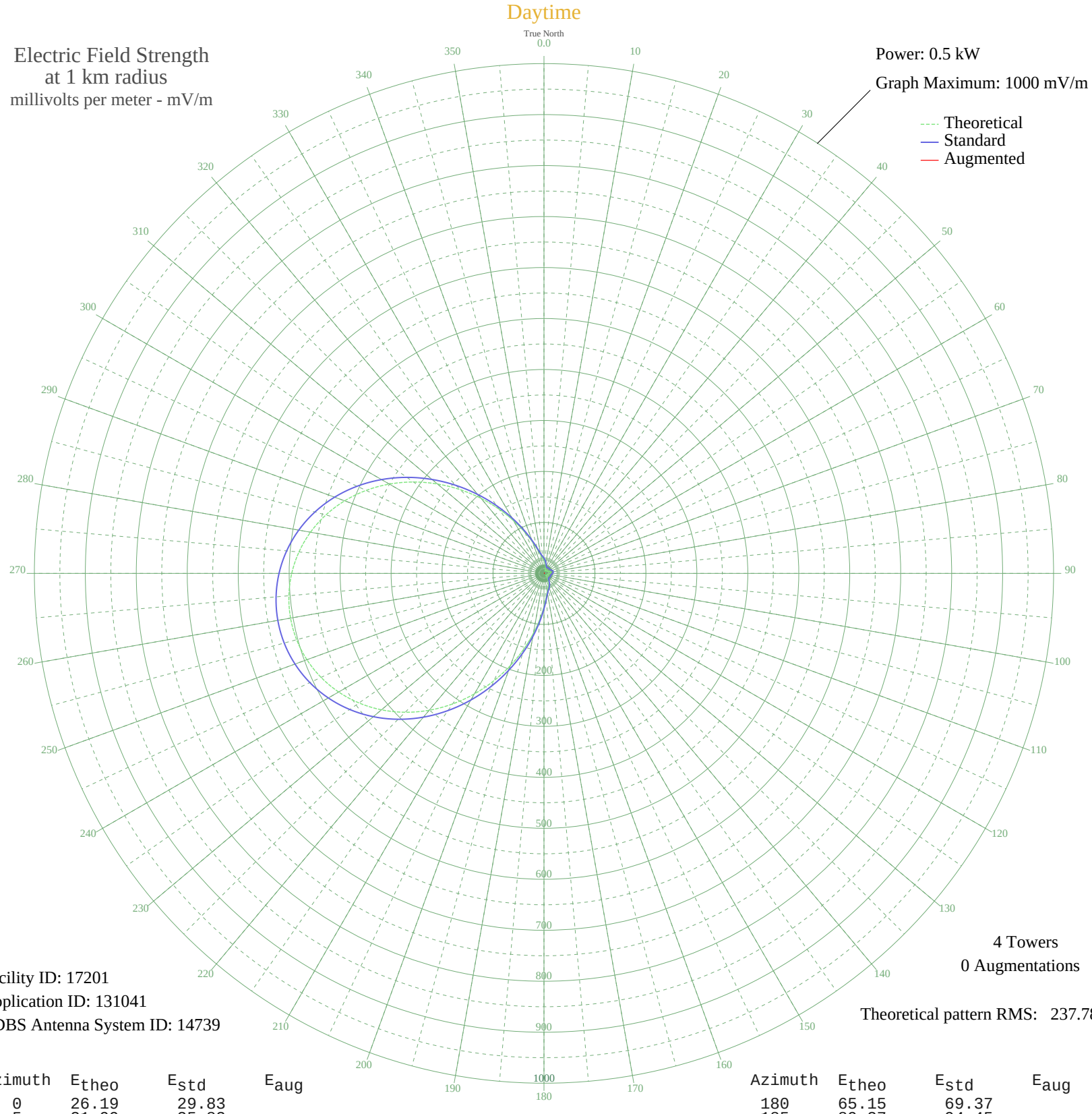
Daytime

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

Power: 0.5 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented



4 Towers
0 Augmentations

Facility ID: 17201
Application ID: 131041
CDBS Antenna System ID: 14739

Theoretical pattern RMS: 237.78

Azimuth	E_{theo}	E_{std}	E_{aug}
0	26.19	29.83	
5	21.99	25.82	
10	17.13	21.38	
15	11.88	17.01	
20	7.15	13.78	
25	4.75	12.59	
30	5.71	13.02	
35	7.22	13.82	
40	7.82	14.18	
45	7.48	13.97	
50	6.77	13.57	
55	6.73	13.55	
60	7.98	14.27	
65	10.00	15.62	
70	11.99	17.09	
75	13.38	18.19	
80	13.87	18.59	
85	13.38	18.19	
90	11.99	17.09	
95	10.00	15.62	
100	7.98	14.27	
105	6.73	13.55	
110	6.77	13.57	
115	7.48	13.97	
120	7.82	14.18	
125	7.22	13.82	
130	5.71	13.02	
135	4.75	12.59	
140	7.15	13.78	
145	11.88	17.01	
150	17.13	21.38	
155	21.99	25.82	
160	26.19	29.83	
165	30.41	33.96	
170	36.67	40.20	
175	47.67	51.37	

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_{theo}	E_{std}	E_{aug}
180	65.15	69.37	
185	89.27	94.45	
190	119.29	125.78	
195	154.03	162.14	
200	192.16	202.10	
205	232.23	244.12	
210	272.83	286.71	
215	312.61	328.44	
220	350.39	368.09	
225	385.19	404.61	
230	416.26	437.23	
235	443.07	465.36	
240	465.25	488.65	
245	482.60	506.86	
250	495.03	519.91	
255	502.49	527.74	
260	504.98	530.35	
265	502.49	527.74	
270	495.03	519.91	
275	482.60	506.86	
280	465.25	488.65	
285	443.07	465.36	
290	416.26	437.23	
295	385.19	404.61	
300	350.39	368.09	
305	312.61	328.44	
310	272.83	286.71	
315	232.23	244.12	
320	192.16	202.10	
325	154.03	162.14	
330	119.29	125.78	
335	89.27	94.45	
340	65.15	69.37	
345	47.67	51.37	
350	36.67	40.20	
355	30.41	33.96	