KQQZ FAIRVIEW HEIGHTS, IL BP-20101207ABF 1190 kHz

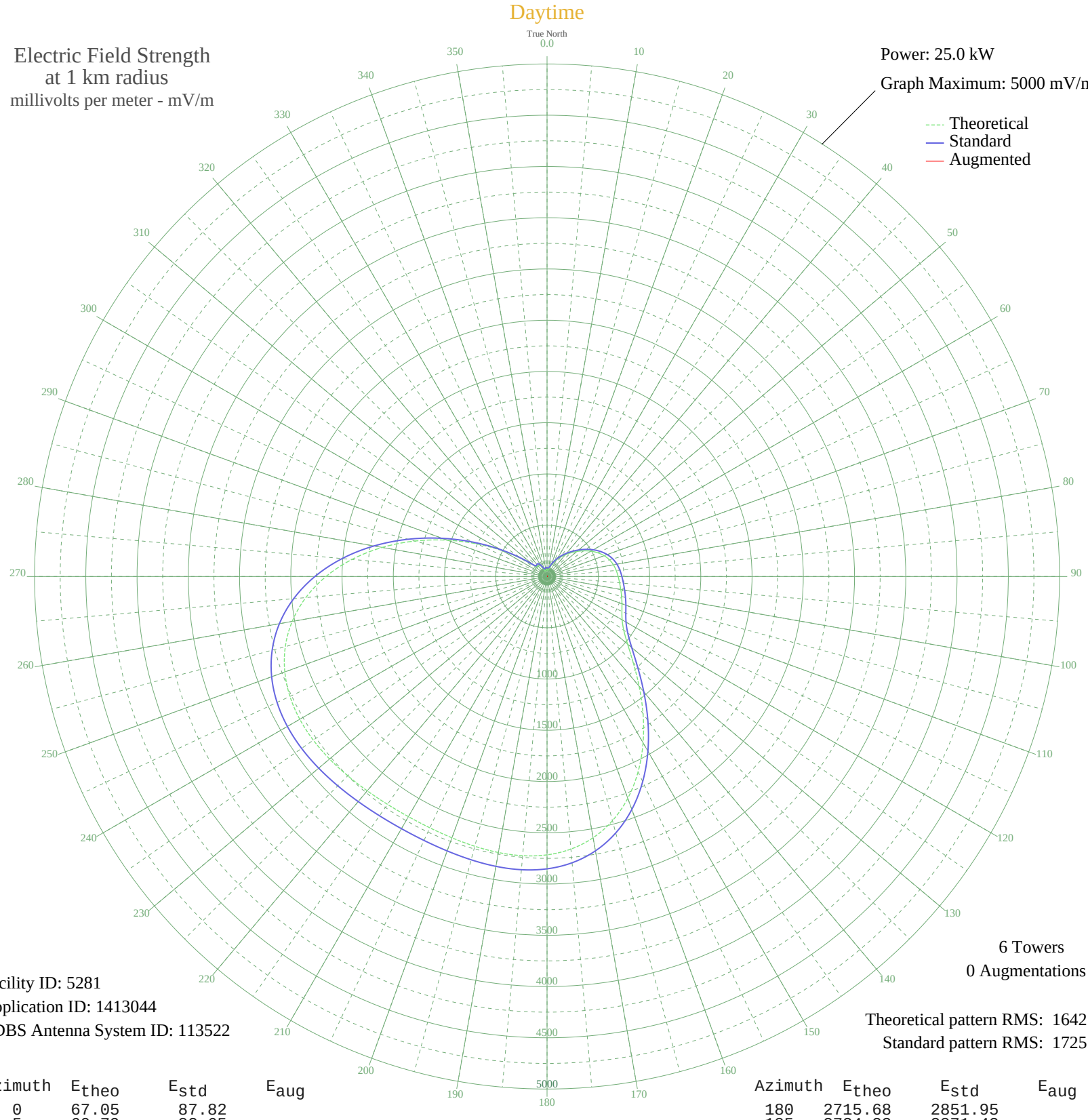
Daytime

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

Power: 25.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented



6 Towers
0 Augmentations

Facility ID: 5281
Application ID: 1413044
CDBS Antenna System ID: 113522

Theoretical pattern RMS: 1642.00
Standard pattern RMS: 1725.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	67.05	87.82	
5	60.79	82.65	
10	63.44	84.81	
15	83.11	101.84	
20	114.48	131.17	
25	151.00	167.01	
30	189.96	206.25	
35	231.35	248.53	
40	276.31	294.84	
45	325.87	346.16	
50	379.91	402.34	
55	436.81	461.64	
60	493.63	520.96	
65	546.79	576.53	
70	592.95	624.81	
75	629.90	663.47	
80	657.36	692.23	
85	677.35	713.16	
90	693.69	730.26	
95	710.50	747.87	
100	730.32	768.63	
105	753.10	792.49	
110	777.72	818.29	
115	805.84	847.76	
120	845.93	889.78	
125	913.76	960.88	
130	1025.94	1078.52	
135	1189.54	1250.12	
140	1397.45	1468.26	
145	1632.40	1714.82	
150	1873.71	1968.10	
155	2102.21	2207.94	
160	2302.90	2418.61	
165	2466.17	2590.01	
170	2588.03	2717.94	
175	2669.52	2803.49	
180	2715.68	2851.95	
185	2734.23	2871.42	
190	2734.17	2871.36	
195	2724.44	2861.14	
200	2712.82	2848.95	
205	2705.20	2840.95	
210	2705.07	2840.81	
215	2713.50	2849.66	
220	2729.34	2866.29	
225	2749.54	2887.49	
230	2769.58	2908.54	
235	2783.77	2923.43	
240	2785.53	2925.27	
245	2767.65	2906.51	
250	2722.75	2859.37	
255	2643.80	2776.49	
260	2524.99	2651.76	
265	2362.72	2481.42	
270	2156.65	2265.09	
275	1910.56	2006.77	
280	1632.77	1715.21	
285	1335.95	1403.73	
290	1036.15	1089.23	
295	751.25	790.56	
300	499.27	526.85	
305	297.90	317.17	
310	168.30	184.35	
315	129.99	146.24	
320	138.45	154.56	
325	136.94	153.07	
330	115.77	132.41	
335	83.95	102.60	
340	57.68	80.15	
345	53.84	77.15	
350	63.88	85.18	
355	69.79	90.15	

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.

07 Mar 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission