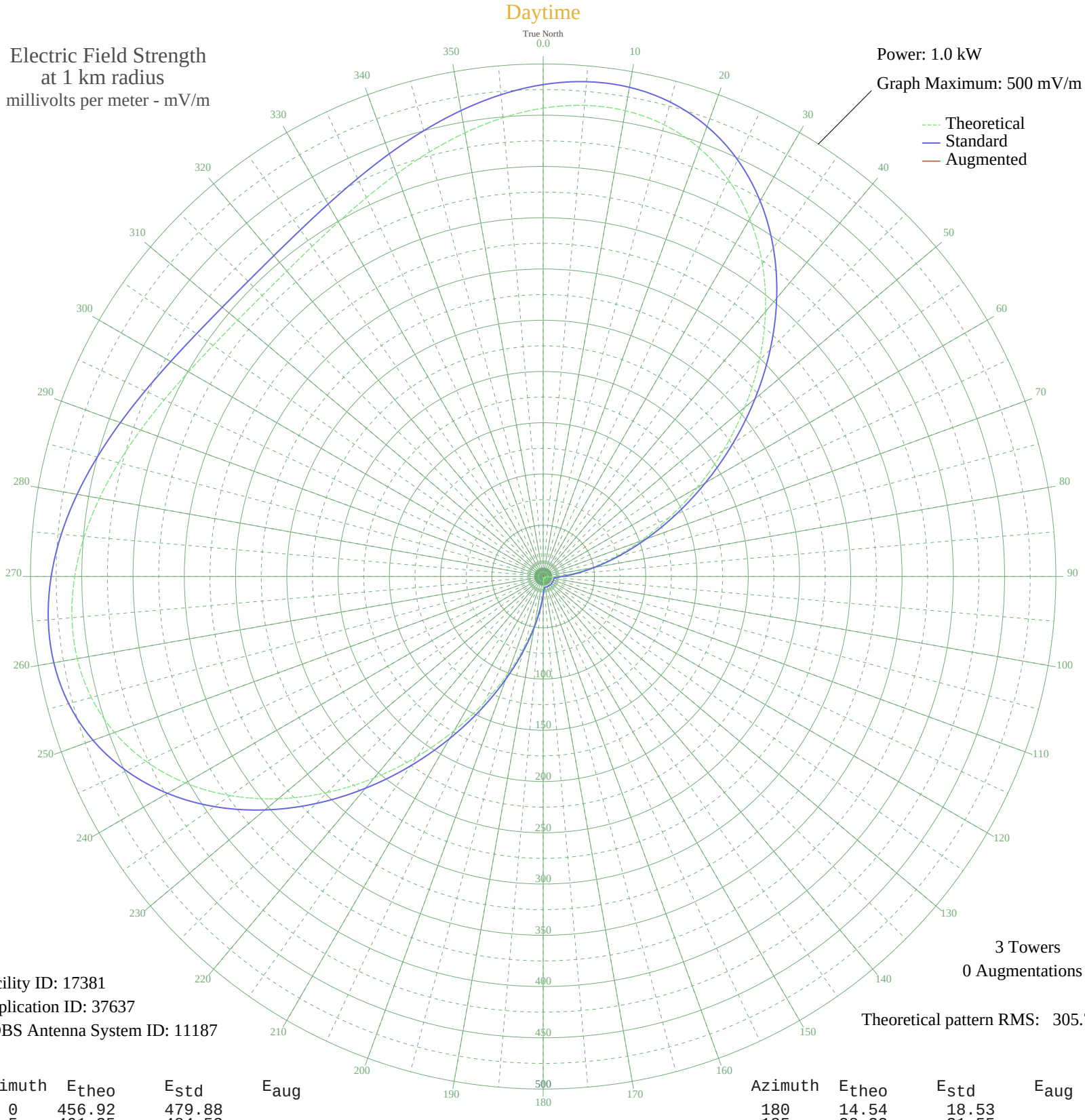
WNWC SUN PRAIRIE, WI BL-19811230AO 1190 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 17381
Application ID: 37637
CDBS Antenna System ID: 11187

Theoretical pattern RMS: 305.78

Azimuth	E_{theo}	E_{std}	E_{aug}
0	456.92	479.88	
5	461.35	484.53	
10	461.43	484.61	
15	456.18	479.10	
20	444.87	467.23	
25	427.09	448.57	
30	402.86	423.14	
35	372.63	391.40	
40	337.29	354.31	
45	298.12	313.20	
50	256.66	269.70	
55	214.63	225.61	
60	173.72	182.70	
65	135.45	142.61	
70	101.08	106.66	
75	71.52	75.83	
80	47.24	50.70	
85	28.33	31.55	
90	14.54	18.53	
95	5.32	11.89	
100	0.07	10.50	
105	2.47	10.81	
110	2.74	10.89	
115	1.72	10.65	
120	0.12	10.50	
125	1.46	10.61	
130	2.58	10.84	
135	2.99	10.96	
140	2.58	10.84	
145	1.46	10.61	
150	0.12	10.50	
155	1.72	10.65	
160	2.74	10.89	
165	2.47	10.81	
170	0.07	10.50	
175	5.32	11.89	

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 Nov 2005

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	14.54	18.53	
185	28.33	31.55	
190	47.24	50.70	
195	71.52	75.83	
200	101.08	106.66	
205	135.45	142.61	
210	173.72	182.70	
215	214.63	225.61	
220	256.66	269.70	
225	298.11	313.20	
230	337.29	354.31	
235	372.63	391.40	
240	402.86	423.14	
245	427.09	448.57	
250	444.87	467.23	
255	456.18	479.10	
260	461.43	484.61	
265	461.35	484.53	
270	456.92	479.88	
275	449.24	471.81	
280	439.45	461.54	
285	428.65	450.20	
290	417.83	438.85	
295	407.85	428.37	
300	399.39	419.49	
305	392.98	412.77	
310	389.00	408.58	
315	387.64	407.16	
320	389.00	408.58	
325	392.98	412.77	
330	399.39	419.49	
335	407.85	428.37	
340	417.83	438.85	
345	428.65	450.20	
350	439.45	461.54	
355	449.24	471.81	