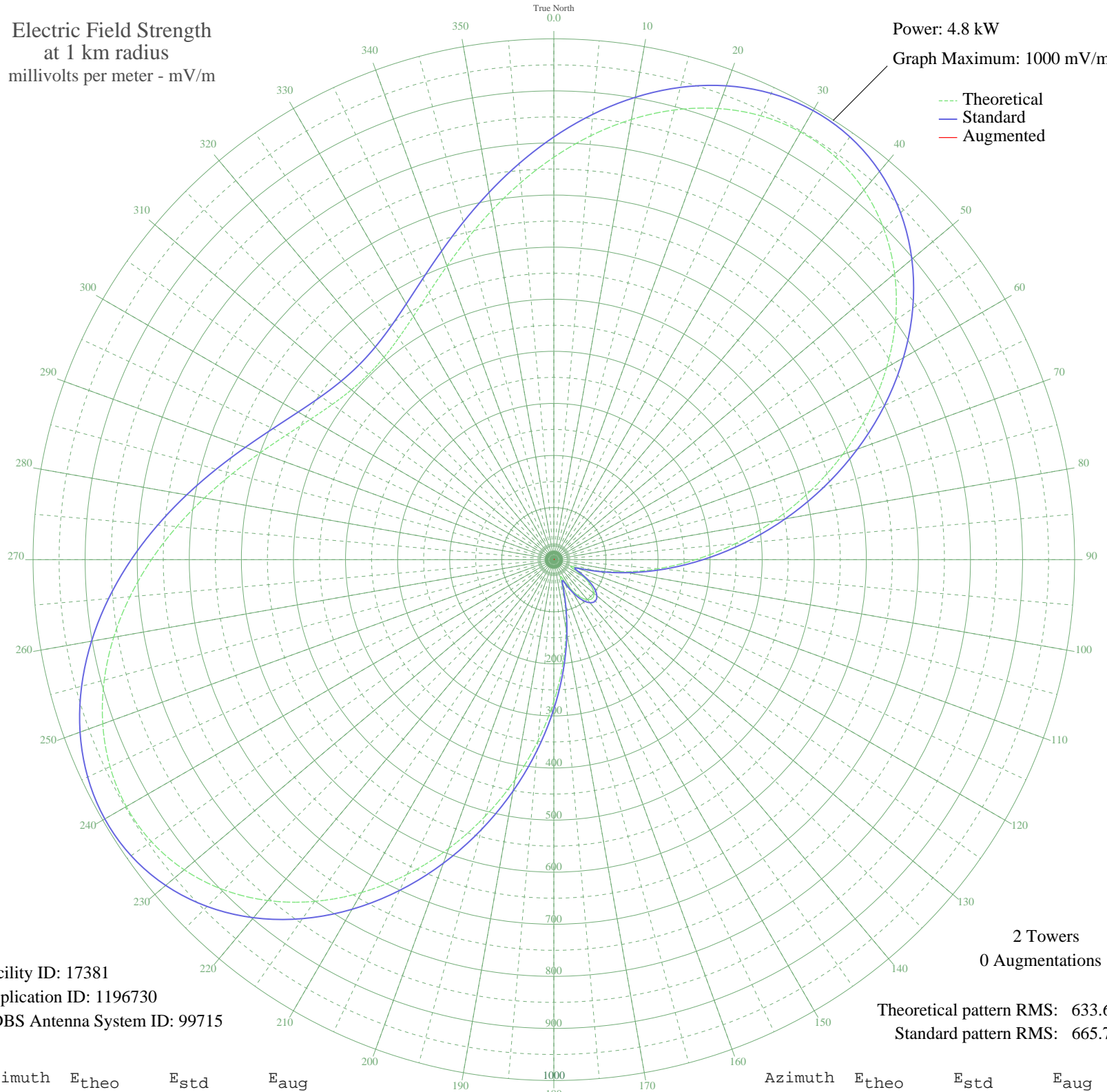


WNWC SUN PRAIRIE, WI BL-20070723AFL 1190 kHz

Daytime

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

Power: 4.8 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 17381
Application ID: 1196730
CDBS Antenna System ID: 99715

2 Towers
0 Augmentations

Theoretical pattern RMS: 633.69
Standard pattern RMS: 665.77

Azimuth	E _{theo}	E _{std}	E _{aug}
0	772.62	811.58	
5	817.14	858.30	
10	858.23	901.44	
15	893.79	938.76	
20	921.77	968.14	
25	940.35	987.63	
30	947.97	995.64	
35	943.53	990.97	
40	926.40	972.99	
45	896.51	941.62	
50	854.36	897.37	
55	800.97	841.34	
60	737.86	775.10	
65	666.92	700.64	
70	590.28	620.22	
75	510.24	536.24	
80	429.09	451.13	
85	349.03	367.20	
90	272.12	286.65	
95	200.20	211.47	
100	135.09	143.70	
105	79.16	86.25	
110	39.82	47.72	
115	41.05	48.86	
120	65.54	72.56	
125	86.88	94.08	
130	100.30	107.80	
135	104.84	112.46	
140	100.30	107.80	
145	86.88	94.08	
150	65.54	72.56	
155	41.05	48.86	
160	39.82	47.72	
165	79.16	86.25	
170	135.09	143.70	
175	200.20	211.47	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	272.11	286.64	
185	349.03	367.20	
190	429.08	451.13	
195	510.24	536.24	
200	590.28	620.22	
205	666.92	700.64	
210	737.86	775.10	
215	800.97	841.34	
220	854.36	897.37	
225	896.51	941.62	
230	926.40	972.99	
235	943.53	990.97	
240	947.97	995.64	
245	940.35	987.63	
250	921.77	968.14	
255	893.79	938.76	
260	858.23	901.44	
265	817.14	858.30	
270	772.62	811.58	
275	726.78	763.46	
280	681.56	716.01	
285	638.78	671.12	
290	600.00	630.42	
295	566.53	595.30	
300	539.44	566.88	
305	519.52	545.98	
310	507.35	533.22	
315	503.26	528.92	
320	507.35	533.22	
325	519.52	545.98	
330	539.44	566.88	
335	566.53	595.30	
340	600.00	630.42	
345	638.78	671.12	
350	681.56	716.01	
355	726.78	763.46	

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