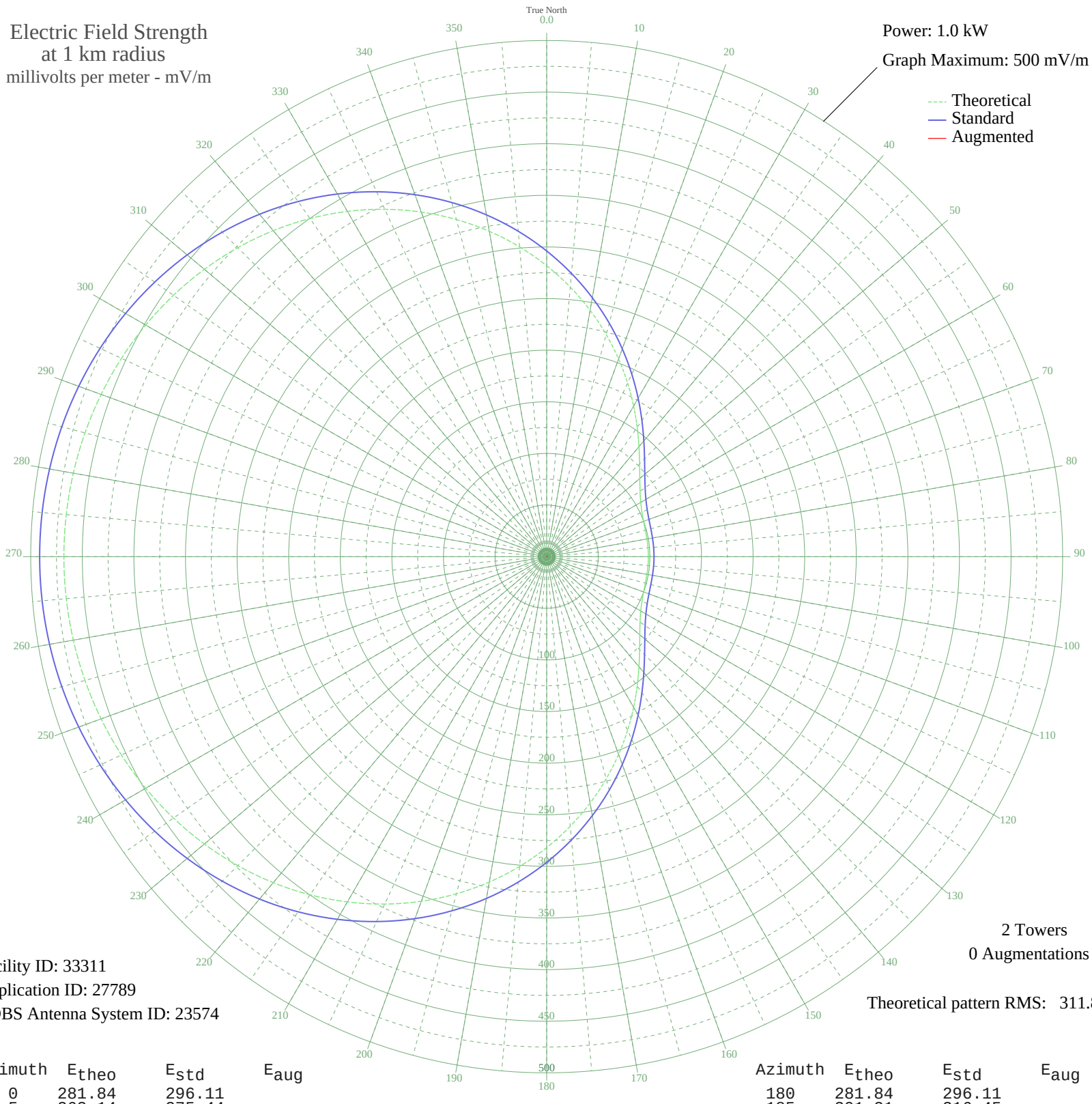
KDJS WILLMAR, MN BL-19810212AB 1590 kHz

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

2 Towers
0 Augmentations

Facility ID: 33311
Application ID: 27789
CDBS Antenna System ID: 23574

Theoretical pattern RMS: 311.89

Azimuth	E_{theo}	E_{std}	E_{aug}	Azimuth	E_{theo}	E_{std}	E_{aug}
0	281.84	296.11		180	281.84	296.11	
5	262.14	275.44		185	301.21	316.45	
10	242.37	254.70		190	320.03	336.20	
15	222.81	234.19		195	338.09	355.15	
20	203.77	214.22		200	355.23	373.14	
25	185.56	195.12		205	371.30	390.01	
30	168.50	177.24		210	386.20	405.65	
35	152.92	160.91		215	399.86	419.98	
40	139.12	146.45		220	412.22	432.96	
45	127.35	134.13		225	423.27	444.56	
50	117.79	124.12		230	433.01	454.79	
55	110.47	116.47		235	441.47	463.66	
60	105.26	111.03		240	448.67	471.22	
65	101.89	107.50		245	454.65	477.50	
70	99.94	105.46		250	459.47	482.56	
75	98.99	104.47		255	463.17	486.44	
80	98.63	104.09		260	465.77	489.17	
85	98.55	104.01		265	467.32	490.80	
90	98.54	104.00		270	467.84	491.34	
95	98.55	104.01		275	467.32	490.80	
100	98.63	104.09		280	465.77	489.17	
105	98.99	104.47		285	463.17	486.44	
110	99.94	105.46		290	459.47	482.56	
115	101.89	107.50		295	454.65	477.50	
120	105.26	111.03		300	448.67	471.22	
125	110.47	116.47		305	441.47	463.66	
130	117.79	124.12		310	433.01	454.79	
135	127.35	134.13		315	423.27	444.56	
140	139.12	146.45		320	412.22	432.96	
145	152.92	160.91		325	399.86	419.98	
150	168.50	177.24		330	386.20	405.65	
155	185.56	195.12		335	371.30	390.01	
160	203.77	214.22		340	355.23	373.14	
165	222.81	234.19		345	338.09	355.15	
170	242.37	254.70		350	320.03	336.20	
175	262.14	275.44		355	301.21	316.45	

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