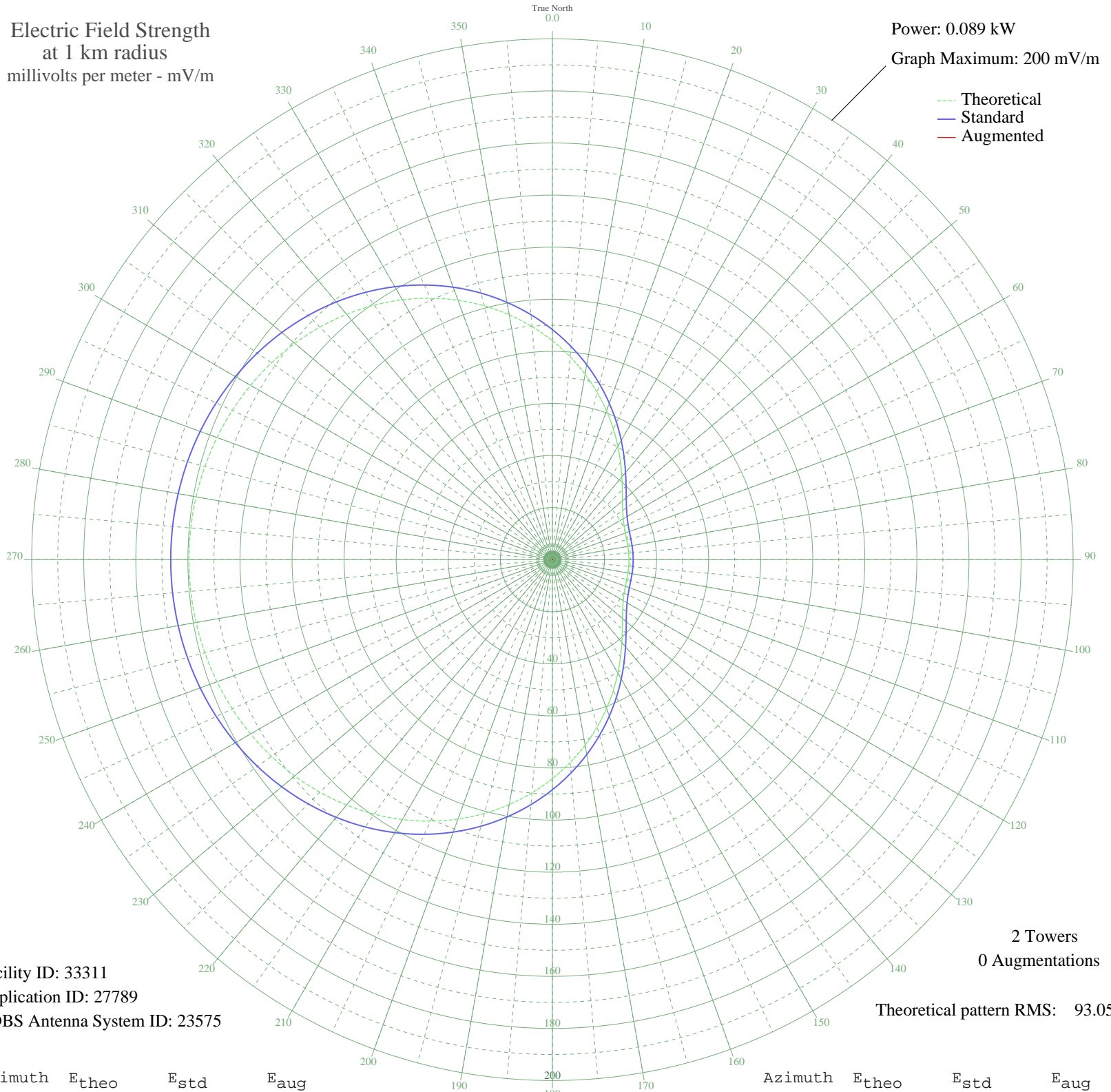


KDJS WILLMAR, MN BL-19810212AB 1590 kHz

Nighttime

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

Power: 0.089 kW
Graph Maximum: 200 mV/m



Facility ID: 33311
Application ID: 27789
CDBS Antenna System ID: 23575

2 Towers
0 Augmentations

Theoretical pattern RMS: 93.05

Azimuth	E _{theo}	E _{std}	E _{aug}
0	84.08	88.34	
5	78.21	82.18	
10	72.31	75.99	
15	66.47	69.87	
20	60.79	63.91	
25	55.36	58.21	
30	50.27	52.88	
35	45.62	48.01	
40	41.50	43.69	
45	37.99	40.02	
50	35.14	37.03	
55	32.96	34.75	
60	31.40	33.12	
65	30.40	32.07	
70	29.82	31.46	
75	29.53	31.17	
80	29.43	31.06	
85	29.40	31.03	
90	29.40	31.03	
95	29.40	31.03	
100	29.43	31.06	
105	29.53	31.17	
110	29.82	31.46	
115	30.40	32.07	
120	31.40	33.12	
125	32.96	34.75	
130	35.14	37.03	
135	37.99	40.02	
140	41.50	43.69	
145	45.62	48.01	
150	50.27	52.88	
155	55.36	58.21	
160	60.79	63.91	
165	66.47	69.87	
170	72.31	75.99	
175	78.21	82.18	

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 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	84.08	88.34	
185	89.86	94.41	
190	95.48	100.30	
195	100.87	105.96	
200	105.98	111.32	
205	110.78	116.36	
210	115.22	121.02	
215	119.29	125.30	
220	122.98	129.17	
225	126.28	132.63	
230	129.19	135.68	
235	131.71	138.33	
240	133.86	140.58	
245	135.64	142.46	
250	137.08	143.97	
255	138.18	145.12	
260	138.96	145.94	
265	139.42	146.43	
270	139.58	146.59	
275	139.42	146.43	
280	138.96	145.94	
285	138.18	145.12	
290	137.08	143.97	
295	135.64	142.46	
300	133.86	140.58	
305	131.71	138.33	
310	129.19	135.68	
315	126.28	132.63	
320	122.98	129.17	
325	119.29	125.30	
330	115.22	121.02	
335	110.78	116.36	
340	105.98	111.32	
345	100.87	105.96	
350	95.48	100.30	
355	89.86	94.41	