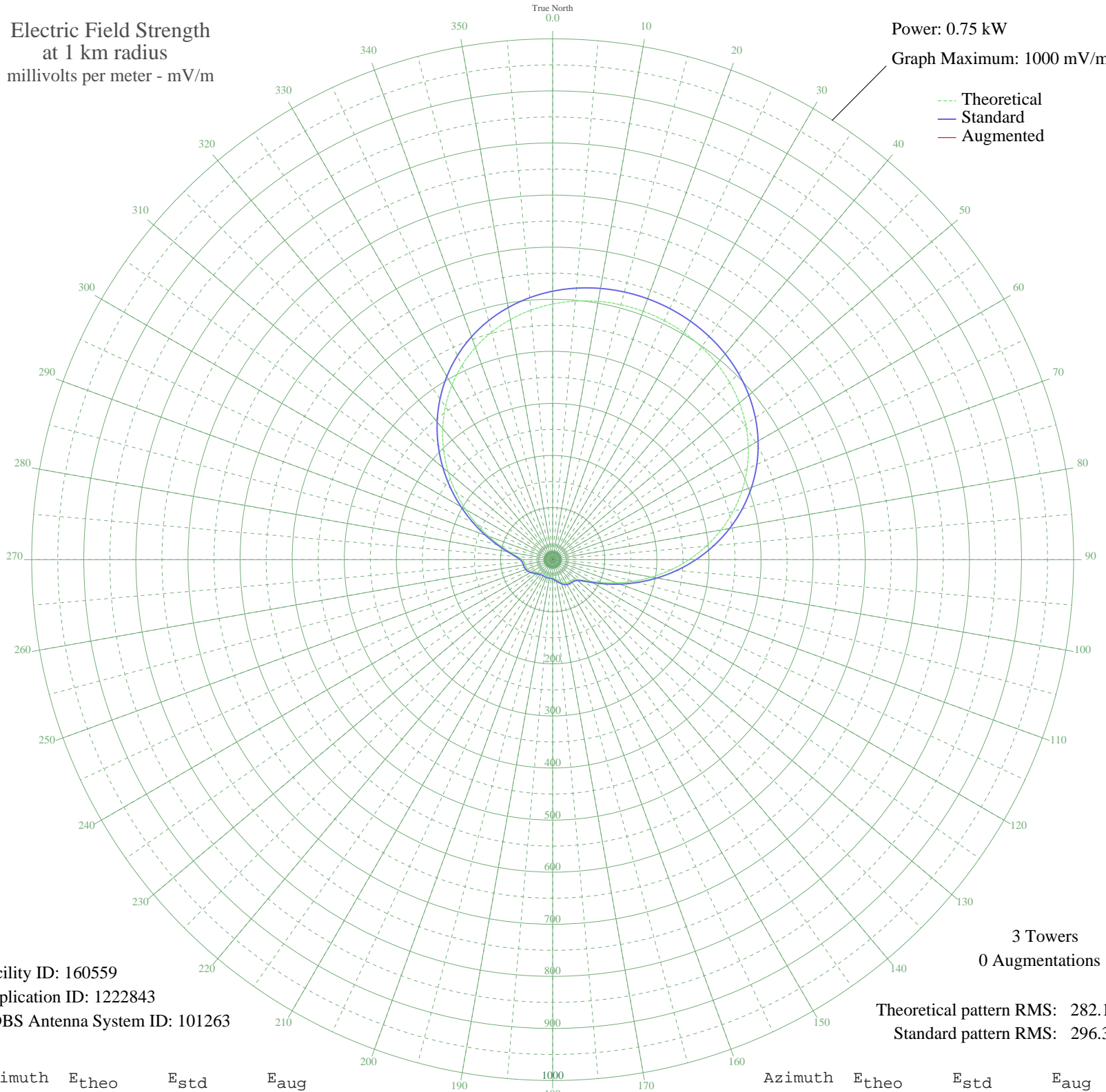


**WBKK WILTON, MN BNP-20050118AAX 820 kHz**

**Nighttime**

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

Power: 0.75 kW  
Graph Maximum: 1000 mV/m



Facility ID: 160559  
Application ID: 1222843  
CDBS Antenna System ID: 101263

Theoretical pattern RMS: 282.10  
Standard pattern RMS: 296.39

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	490.76	515.41	
5	498.29	523.31	
10	503.50	528.78	
15	506.56	531.99	
20	507.57	533.05	
25	506.56	531.99	
30	503.50	528.78	
35	498.29	523.31	
40	490.76	515.41	
45	480.73	504.88	
50	467.98	491.49	
55	452.31	475.05	
60	433.58	455.38	
65	411.70	432.41	
70	386.71	406.18	
75	358.80	376.89	
80	328.31	344.88	
85	295.74	310.70	
90	261.77	275.06	
95	227.24	238.83	
100	193.11	203.04	
105	160.44	168.79	
110	130.38	137.30	
115	104.11	109.82	
120	82.84	87.62	
125	67.59	71.75	
130	58.59	62.41	
135	54.60	58.28	
140	53.32	56.96	
145	52.64	56.26	
150	51.32	54.90	
155	48.98	52.49	
160	45.75	49.17	
165	42.08	45.42	
170	38.55	41.82	
175	35.70	38.93	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	33.86	37.07	
185	33.03	36.23	
190	32.90	36.10	
195	33.04	36.25	
200	33.13	36.34	
205	33.04	36.25	
210	32.90	36.10	
215	33.03	36.23	
220	33.86	37.07	
225	35.70	38.93	
230	38.55	41.82	
235	42.08	45.42	
240	45.75	49.17	
245	48.98	52.49	
250	51.32	54.90	
255	52.64	56.26	
260	53.32	56.96	
265	54.60	58.28	
270	58.59	62.41	
275	67.59	71.75	
280	82.84	87.62	
285	104.11	109.82	
290	130.38	137.30	
295	160.44	168.79	
300	193.11	203.04	
305	227.24	238.83	
310	261.77	275.06	
315	295.74	310.70	
320	328.31	344.88	
325	358.80	376.89	
330	386.71	406.18	
335	411.70	432.41	
340	433.58	455.38	
345	452.31	475.05	
350	467.98	491.49	
355	480.73	504.88	

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