

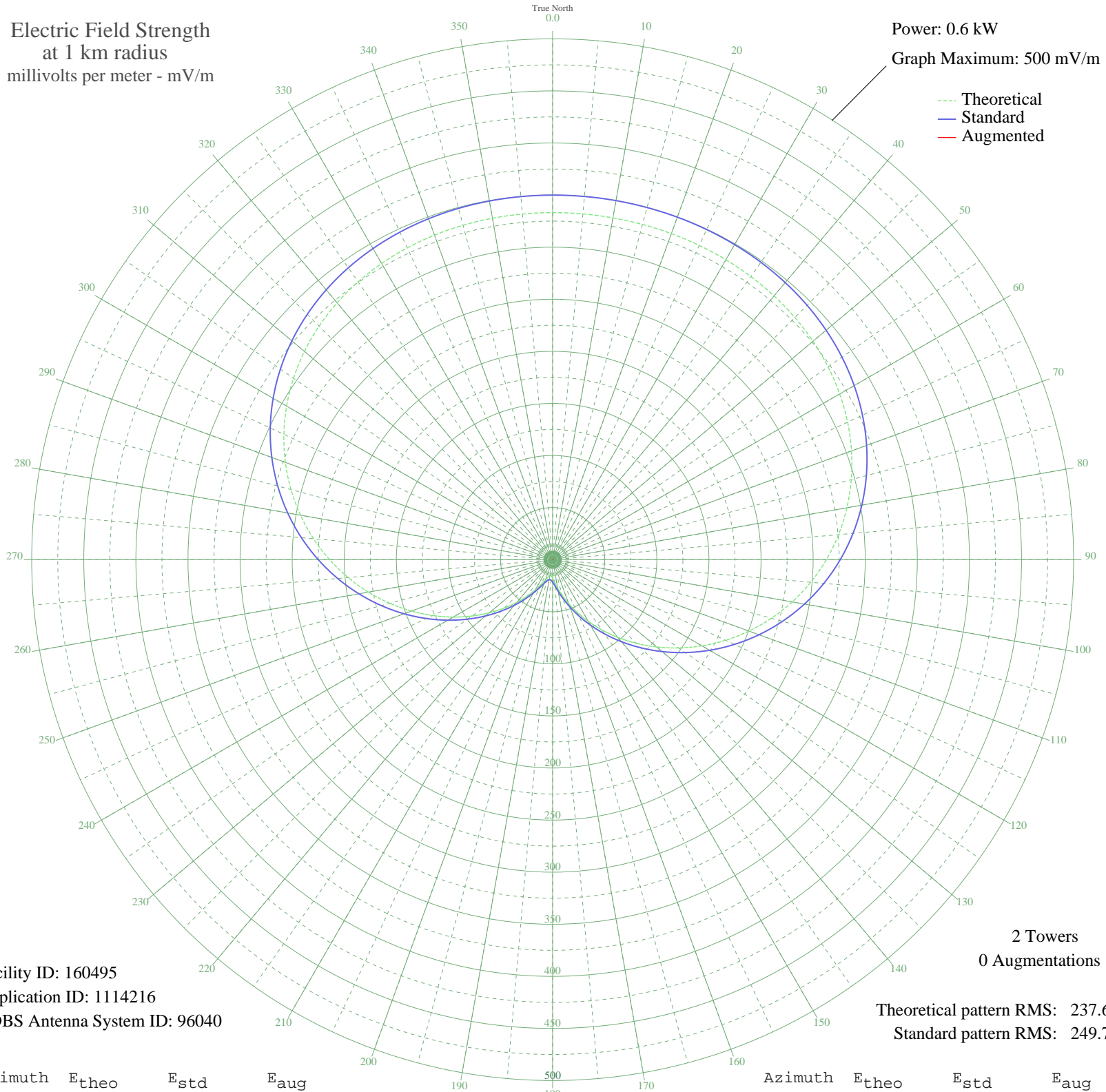
KPMI BEMIDJI, MN BNP-20050118AFR 1300 kHz

Nighttime

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

Power: 0.6 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 160495  
Application ID: 1114216  
CDBS Antenna System ID: 96040

2 Towers  
0 Augmentations

Theoretical pattern RMS: 237.67  
Standard pattern RMS: 249.77

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	333.14	349.95	
5	333.17	349.99	
10	333.17	349.99	
15	333.15	349.96	
20	333.07	349.88	
25	332.87	349.67	
30	332.46	349.24	
35	331.73	348.48	
40	330.54	347.23	
45	328.74	345.34	
50	326.17	342.64	
55	322.68	338.97	
60	318.10	334.17	
65	312.32	328.10	
70	305.22	320.65	
75	296.72	311.73	
80	286.78	301.31	
85	275.42	289.38	
90	262.68	276.01	
95	248.66	261.30	
100	233.49	245.39	
105	217.35	228.46	
110	200.46	210.75	
115	183.06	192.50	
120	165.39	173.98	
125	147.73	155.47	
130	130.34	137.26	
135	113.47	119.61	
140	97.38	102.79	
145	82.28	87.03	
150	68.36	72.55	
155	55.82	59.54	
160	44.78	48.18	
165	35.38	38.61	
170	27.72	30.94	
175	21.86	25.24	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	17.86	21.49	
185	15.75	19.59	
190	15.56	19.42	
195	17.28	20.96	
200	20.91	24.33	
205	26.40	29.64	
210	33.71	36.92	
215	42.77	46.12	
220	53.48	57.13	
225	65.74	69.82	
230	79.39	84.02	
235	94.27	99.54	
240	110.19	116.17	
245	126.92	133.68	
250	144.22	151.80	
255	161.85	170.27	
260	179.54	188.81	
265	197.01	207.13	
270	214.03	224.97	
275	230.33	242.07	
280	245.71	258.21	
285	259.97	273.18	
290	272.98	286.82	
295	284.62	299.04	
300	294.85	309.77	
305	303.63	318.98	
310	311.01	326.73	
315	317.05	333.07	
320	321.85	338.11	
325	325.55	341.99	
330	328.29	344.87	
335	330.24	346.91	
340	331.53	348.27	
345	332.34	349.12	
350	332.81	349.60	
355	333.04	349.85	