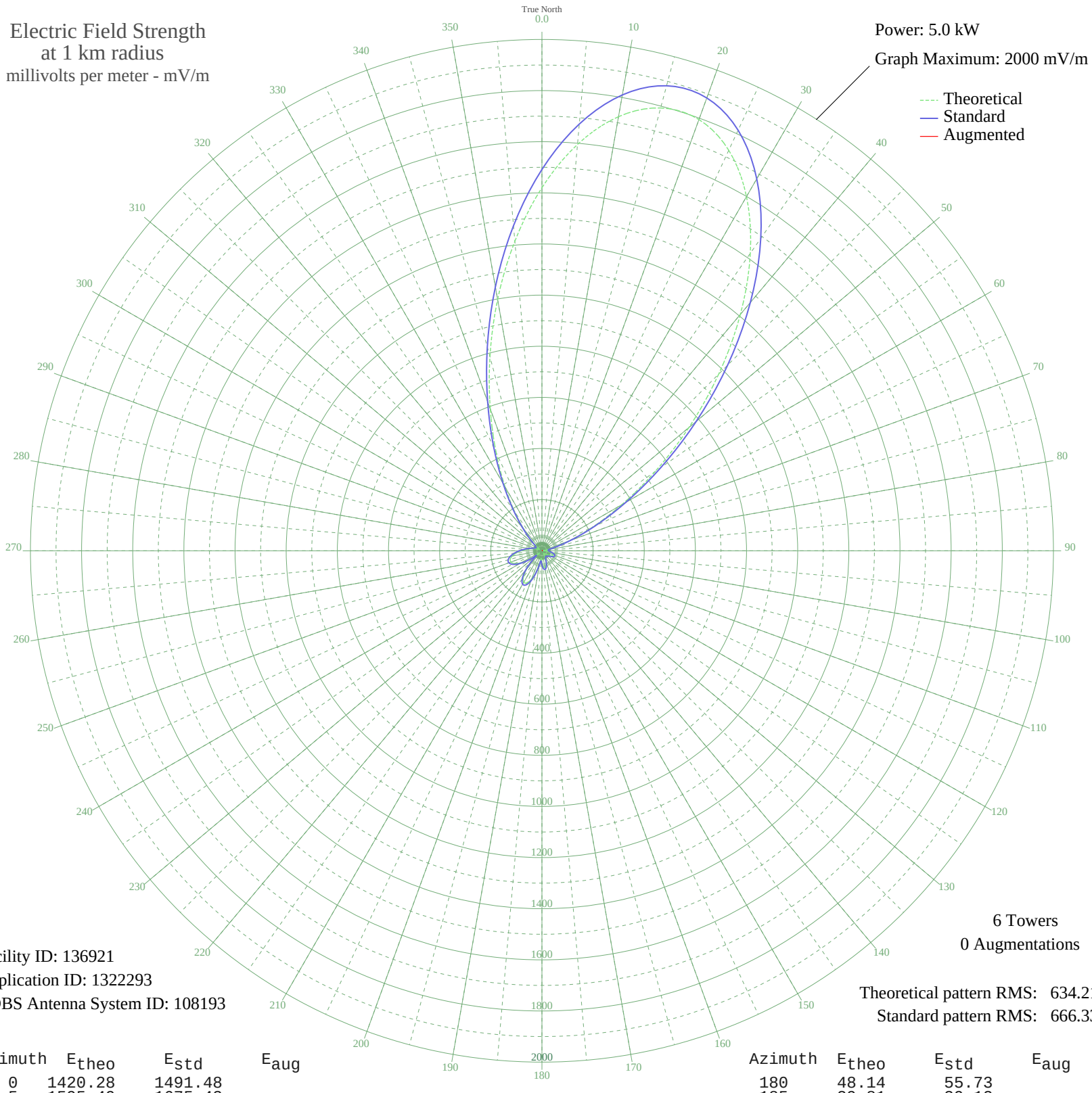
KYES ROCKVILLE, MN BMML-20090527AIB 1180 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

6 Towers
0 Augmentations

Facility ID: 136921
Application ID: 1322293
CDBS Antenna System ID: 108193

Theoretical pattern RMS: 634.21
Standard pattern RMS: 666.33

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1420.28	1491.48	
5	1595.49	1675.43	
10	1724.15	1810.51	
15	1793.15	1882.96	
20	1794.89	1884.78	
25	1728.43	1815.00	
30	1599.68	1679.82	
35	1420.49	1491.70	
40	1207.03	1267.60	
45	977.52	1026.67	
50	750.00	787.85	
55	540.20	567.69	
60	359.96	378.69	
65	216.43	228.46	
70	111.87	119.79	
75	44.30	52.10	
80	9.44	25.48	
85	8.25	25.02	
90	10.02	25.73	
95	17.88	30.06	
100	30.61	39.80	
105	41.23	49.25	
110	46.31	54.00	
115	44.90	52.67	
120	38.01	46.30	
125	28.35	37.91	
130	20.16	31.61	
135	17.01	29.50	
140	16.13	28.95	
145	12.83	27.07	
150	11.98	26.64	
155	24.49	34.82	
160	42.41	50.35	
165	58.36	65.62	
170	66.77	73.94	
175	63.62	70.80	

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_{theo}	E_{std}	E_{aug}
180	48.14	55.73	
185	29.81	39.12	
190	44.62	52.40	
195	81.80	89.04	
200	116.52	124.58	
205	138.54	147.35	
210	142.22	151.16	
215	125.95	134.31	
220	92.16	99.57	
225	46.83	54.49	
230	12.39	26.84	
235	54.02	61.39	
240	92.10	99.51	
245	117.64	125.73	
250	129.31	137.79	
255	128.32	136.77	
260	117.57	125.66	
265	100.62	108.23	
270	80.97	88.20	
275	61.42	68.63	
280	43.88	51.71	
285	29.44	38.82	
290	18.69	30.60	
295	12.25	26.77	
300	11.05	26.19	
305	16.55	29.21	
310	31.89	40.89	
315	61.51	68.73	
320	110.60	118.48	
325	184.52	195.17	
330	287.93	303.23	
335	423.53	445.33	
340	590.91	620.90	
345	785.49	825.09	
350	998.07	1048.24	
355	1215.21	1276.18	