WLAT NEW BRITAIN, CT BMML-20150928AGK 910 kHz

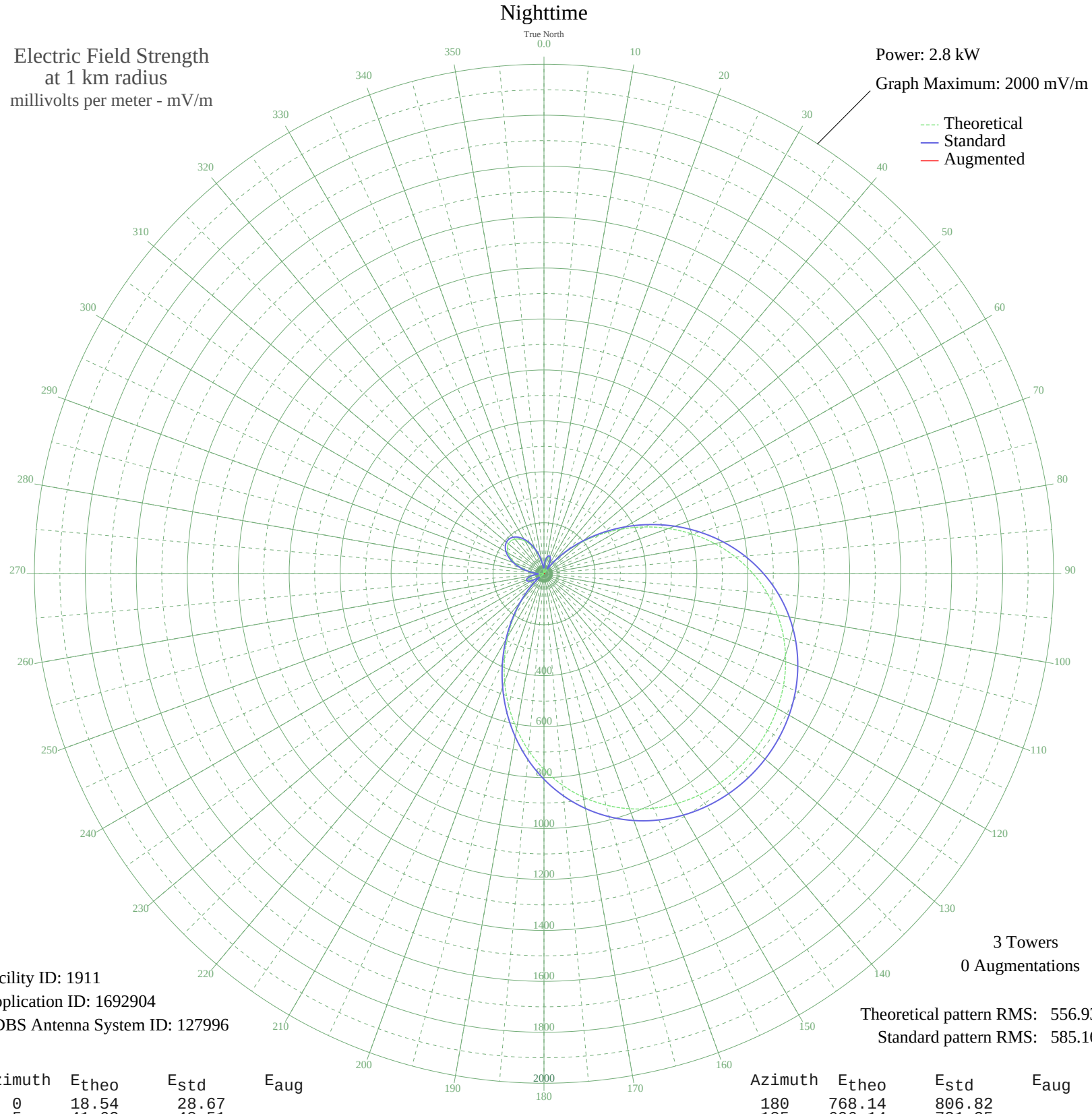
Nighttime

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

Power: 2.8 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



3 Towers
0 Augmentations

Facility ID: 1911
Application ID: 1692904
CDBS Antenna System ID: 127996

Theoretical pattern RMS: 556.93
Standard pattern RMS: 585.16

Azimuth	E_{theo}	E_{std}	E_{aug}
0	18.54	28.67	
5	41.62	48.51	
10	58.24	64.67	
15	66.47	72.90	
20	64.68	71.10	
25	51.57	58.10	
30	26.36	34.77	
35	11.16	24.09	
40	60.60	67.02	
45	120.94	128.72	
50	190.63	201.27	
55	267.67	281.84	
60	349.75	367.84	
65	434.43	456.64	
70	519.32	545.69	
75	602.15	632.61	
80	681.00	715.35	
85	754.26	792.25	
90	820.78	862.08	
95	879.80	924.03	
100	930.92	977.69	
105	974.05	1022.97	
110	1009.35	1060.03	
115	1037.10	1089.16	
120	1057.65	1110.74	
125	1071.34	1125.11	
130	1078.43	1132.55	
135	1079.07	1133.22	
140	1073.28	1127.14	
145	1060.93	1114.18	
150	1041.78	1094.07	
155	1015.49	1066.48	
160	981.73	1031.03	
165	940.18	987.41	
170	890.66	935.43	
175	833.20	875.12	

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.

3 Feb 2017

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	768.14	806.82	
185	696.14	731.25	
190	618.30	649.56	
195	536.12	563.32	
200	451.47	474.51	
205	366.55	385.46	
210	283.76	298.69	
215	205.52	216.82	
220	134.19	142.47	
225	71.84	78.31	
230	20.12	29.82	
235	19.84	29.61	
240	47.51	54.15	
245	62.99	69.41	
250	66.96	73.39	
255	60.61	67.03	
260	45.53	52.23	
265	23.58	32.50	
270	3.22	21.32	
275	32.85	40.40	
280	63.36	69.78	
285	92.98	99.87	
290	120.15	127.90	
295	143.57	152.21	
300	162.20	171.61	
305	175.27	185.23	
310	182.25	192.52	
315	182.89	193.19	
320	177.16	187.21	
325	165.28	174.81	
330	147.71	156.51	
335	125.17	133.10	
340	98.65	105.70	
345	69.41	75.86	
350	38.94	45.98	
355	8.98	23.06	