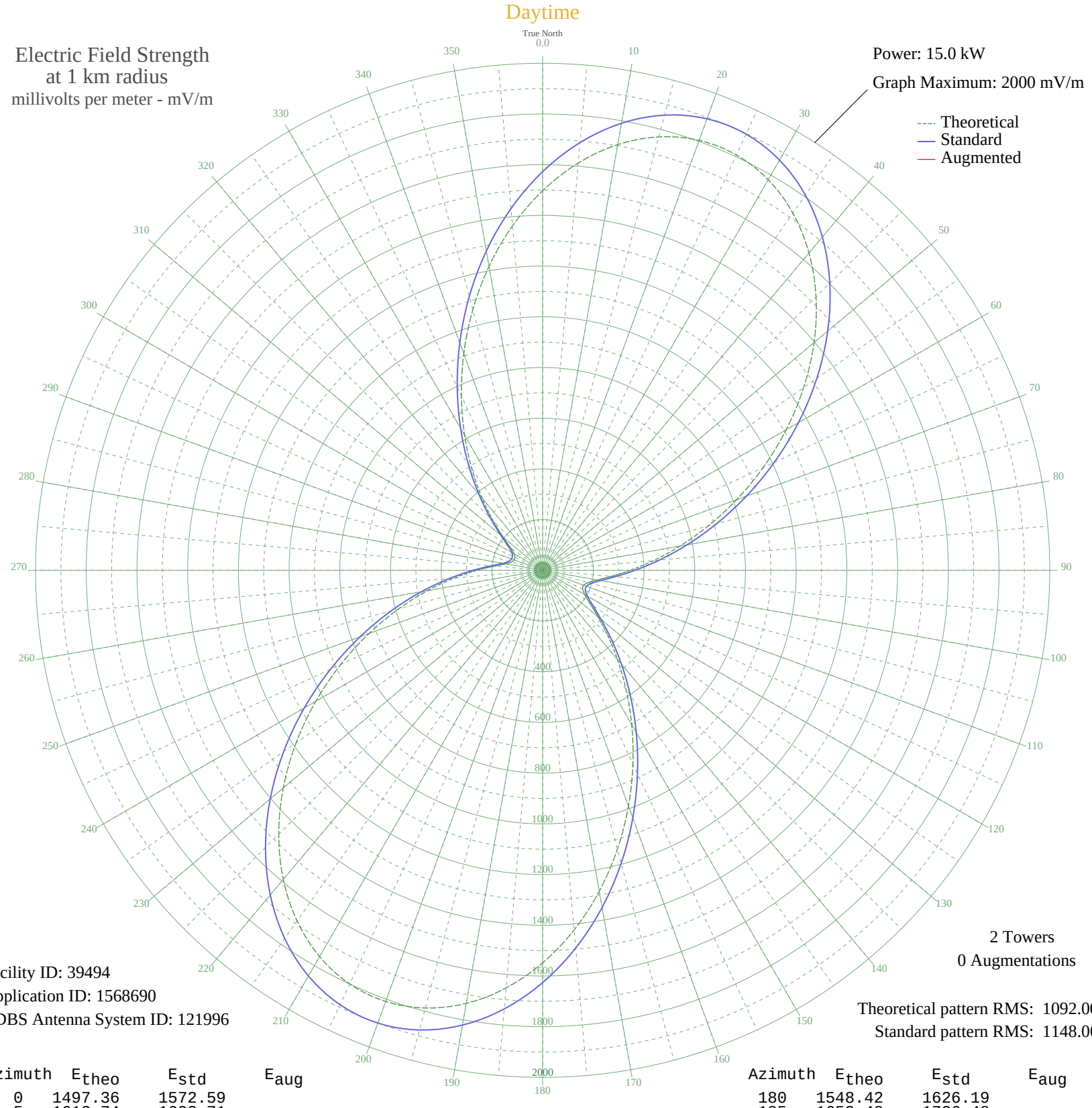
WHGT MAUGANSVILLE, MD BMML-20130805ADR 1590 kHz

Daytime

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



Power: 15.0 kW

Graph Maximum: 2000 mV/m

---- Theoretical
— Standard
— Augmented

2 Towers
0 Augmentations

Facility ID: 39494
Application ID: 1568690
CDBS Antenna System ID: 121996

Theoretical pattern RMS: 1092.00
Standard pattern RMS: 1148.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1497.36	1572.59	
5	1612.74	1693.71	
10	1704.95	1790.51	
15	1769.91	1858.71	
20	1804.69	1895.23	
25	1807.78	1898.47	
30	1779.17	1868.43	
35	1720.36	1806.69	
40	1634.25	1716.30	
45	1524.92	1601.52	
50	1397.29	1467.54	
55	1256.82	1320.09	
60	1109.12	1165.06	
65	959.70	1008.25	
70	813.68	855.03	
75	675.61	710.19	
80	549.43	577.88	
85	438.40	461.55	
90	345.17	363.99	
95	271.72	287.29	
100	219.05	232.46	
105	186.62	198.82	
110	172.23	183.95	
115	173.79	185.56	
120	191.57	203.95	
125	227.92	241.68	
130	284.76	300.89	
135	362.29	381.89	
140	459.26	483.39	
145	573.55	603.17	
150	702.39	738.28	
155	842.38	885.14	
160	989.47	1039.49	
165	1138.97	1196.39	
170	1285.67	1350.37	
175	1424.03	1495.61	

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.

13 Jan 2022

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1548.42	1626.19	
185	1653.48	1736.48	
190	1734.41	1821.45	
195	1787.37	1877.04	
200	1809.72	1900.51	
205	1800.24	1890.56	
210	1759.26	1847.53	
215	1688.57	1773.32	
220	1591.37	1671.27	
225	1471.93	1545.89	
230	1335.36	1402.53	
235	1187.22	1247.03	
240	1033.17	1085.35	
245	878.71	923.26	
250	728.91	766.09	
255	588.30	618.63	
260	460.84	485.06	
265	350.01	369.05	
270	259.01	274.03	
275	190.87	203.22	
280	147.57	158.57	
285	126.75	137.29	
290	120.23	130.66	
295	120.83	131.26	
300	129.46	140.04	
305	154.26	165.44	
310	202.54	215.31	
315	275.47	291.20	
320	370.69	390.68	
325	485.11	510.48	
330	615.49	647.14	
335	758.27	796.89	
340	909.38	955.44	
345	1064.18	1117.90	
350	1217.50	1278.82	
355	1363.79	1432.37	