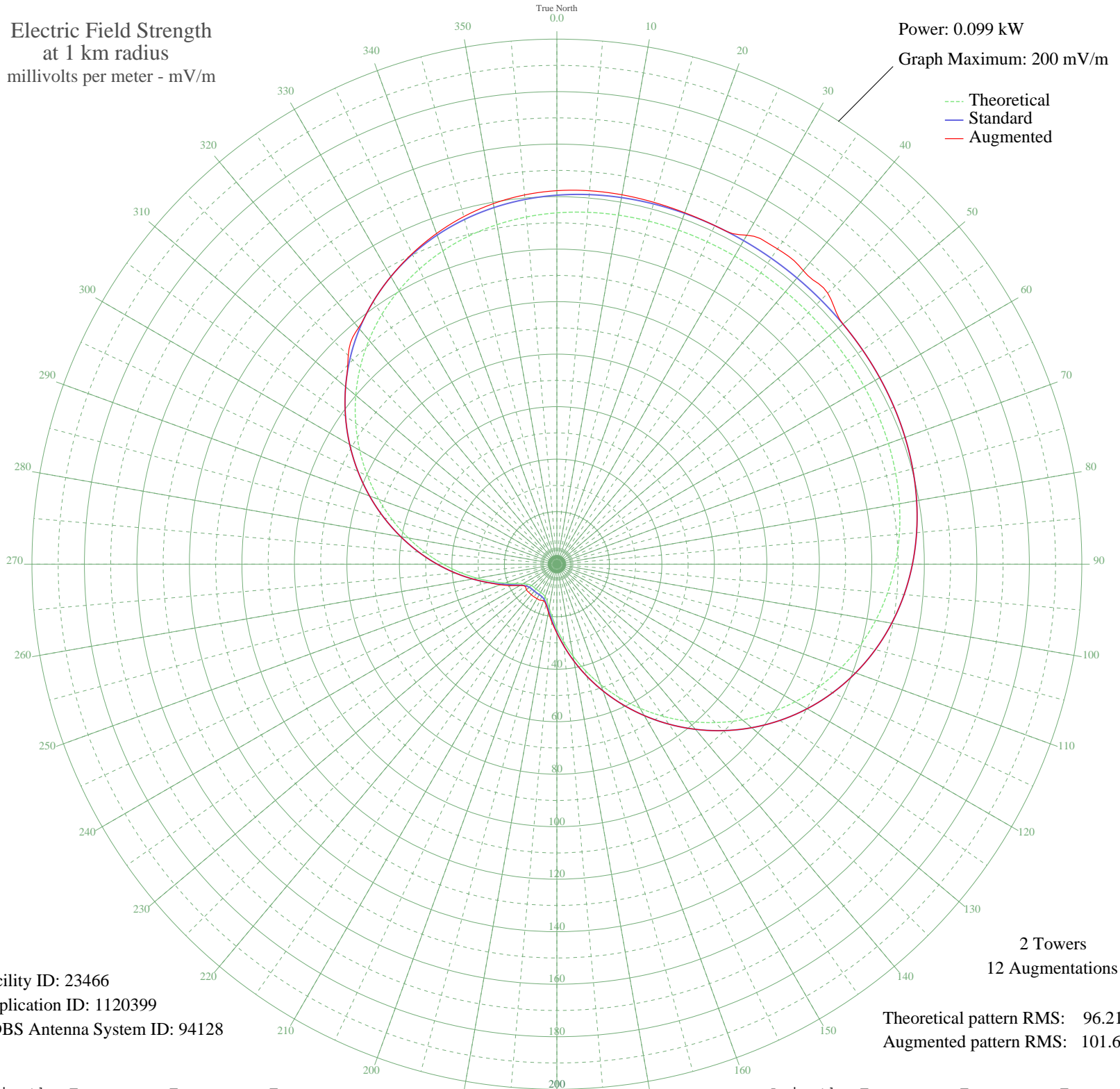


WHAG HALFWAY, MD BML-20050728BGJ 1410 kHz

Nighttime

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

Power: 0.099 kW
Graph Maximum: 200 mV/m



Facility ID: 23466
Application ID: 1120399
CDBS Antenna System ID: 94128

Theoretical pattern RMS: 96.21
Augmented pattern RMS: 101.61

Azimuth	E _{theo}	E _{std}	E _{aug}
0	133.82	140.55	142.28
5	134.54	141.31	142.79
10	135.01	141.80	142.87
15	135.28	142.08	142.70
20	135.42	142.23	142.46
25	135.48	142.29	142.31
30	135.50	142.31	144.68
35	135.50	142.31	146.58
40	135.50	142.31	146.01
45	135.50	142.31	145.95
50	135.47	142.29	142.29
55	135.40	142.21	142.21
60	135.24	142.04	142.04
65	134.93	141.72	141.72
70	134.42	141.18	141.18
75	133.64	140.36	140.36
80	132.52	139.19	139.19
85	130.99	137.58	137.58
90	128.98	135.47	135.47
95	126.45	132.81	132.81
100	123.34	129.55	129.55
105	119.62	125.65	125.65
110	115.29	121.10	121.10
115	110.35	115.91	115.91
120	104.83	110.12	110.12
125	98.77	103.76	103.76
130	92.24	96.91	96.91
135	85.33	89.66	89.66
140	78.14	82.11	82.11
145	70.77	74.38	74.38
150	63.35	66.60	66.60
155	55.99	58.88	58.88
160	48.82	51.37	51.37
165	41.97	44.19	44.19
170	35.56	37.49	37.49
175	29.72	31.38	31.39

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	24.58	26.02	26.26
185	20.26	21.53	22.10
190	16.90	18.05	18.59
195	14.56	15.64	16.03
200	13.18	14.23	14.82
205	12.56	13.60	15.13
210	12.37	13.40	15.16
215	12.35	13.38	15.19
220	12.35	13.38	15.18
225	12.39	13.42	15.14
230	12.64	13.68	15.13
235	13.39	14.44	14.76
240	14.94	16.03	16.22
245	17.49	18.66	19.31
250	21.05	22.35	22.93
255	25.54	27.02	27.13
260	30.84	32.55	32.55
265	36.80	38.79	38.79
270	43.31	45.60	45.60
275	50.24	52.85	52.85
280	57.45	60.41	60.41
285	64.83	68.15	68.15
290	72.25	75.94	75.94
295	79.60	83.64	83.64
300	86.74	91.14	91.14
305	93.58	98.32	98.32
310	100.02	105.07	105.07
315	105.98	111.32	112.42
320	111.39	117.00	117.55
325	116.21	122.06	122.06
330	120.41	126.48	126.50
335	124.01	130.25	130.50
340	127.00	133.39	134.05
345	129.43	135.94	137.06
350	131.33	137.94	139.45
355	132.78	139.45	141.19