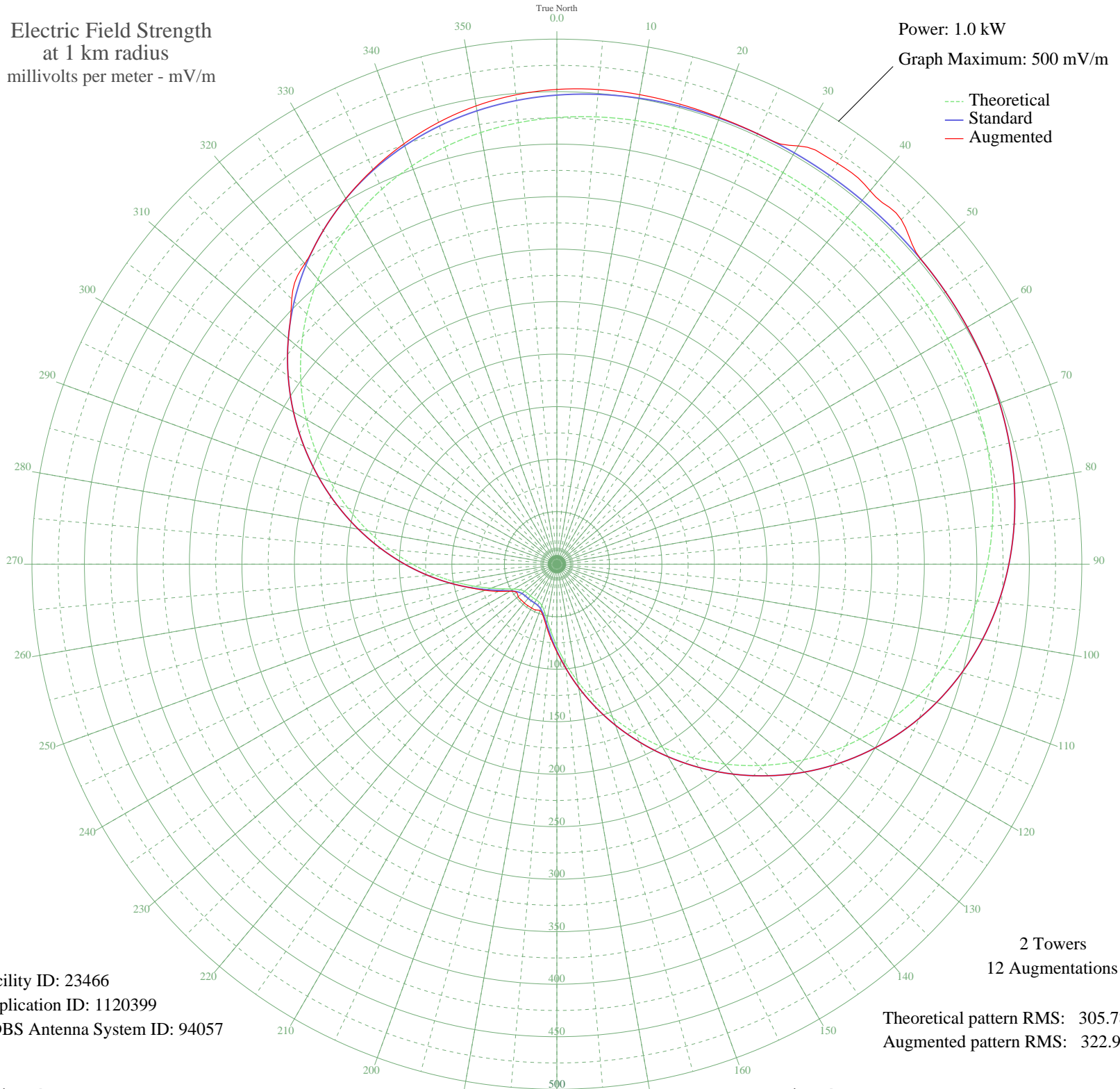


WHAG HALFWAY, MD BML-20050728BGJ 1410 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 500 mV/m



Facility ID: 23466
Application ID: 1120399
CDBS Antenna System ID: 94057

2 Towers
12 Augmentations

Theoretical pattern RMS: 305.78
Augmented pattern RMS: 322.93

Azimuth	E _{theo}	E _{std}	E _{aug}
0	425.31	446.70	452.10
5	427.60	449.11	453.75
10	429.08	450.65	454.03
15	429.94	451.56	453.50
20	430.39	452.03	452.75
25	430.58	452.23	452.29
30	430.63	452.29	459.89
35	430.64	452.29	465.95
40	430.64	452.29	464.14
45	430.63	452.28	463.96
50	430.55	452.20	452.20
55	430.32	451.96	451.96
60	429.81	451.42	451.42
65	428.84	450.40	450.40
70	427.22	448.70	448.70
75	424.74	446.10	446.10
80	421.17	442.35	442.35
85	416.30	437.25	437.25
90	409.93	430.56	430.56
95	401.87	422.10	422.10
100	391.99	411.72	411.72
105	380.18	399.33	399.33
110	366.41	384.88	384.88
115	350.71	368.39	368.39
120	333.15	349.97	349.97
125	313.90	329.76	329.76
130	293.16	308.00	308.00
135	271.21	284.96	284.96
140	248.34	260.97	260.97
145	224.93	236.41	236.41
150	201.33	211.66	211.66
155	177.94	187.14	187.14
160	155.17	163.26	163.26
165	133.40	140.46	140.46
170	113.03	119.14	119.14
175	94.46	99.74	99.74

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	78.11	82.68	83.50
185	64.39	68.42	70.33
190	53.70	57.35	59.14
195	46.26	49.70	50.94
200	41.90	45.23	47.07
205	39.92	43.21	48.07
210	39.31	42.59	48.14
215	39.24	42.51	48.24
220	39.24	42.52	48.23
225	39.37	42.65	48.09
230	40.17	43.47	48.06
235	42.56	45.90	46.88
240	47.49	50.96	51.51
245	55.58	59.30	61.26
250	66.90	71.03	72.78
255	81.18	85.89	86.21
260	98.01	103.45	103.45
265	116.97	123.27	123.27
270	137.65	144.91	144.91
275	159.65	167.97	167.97
280	182.59	192.00	192.00
285	206.04	216.60	216.60
290	229.64	241.35	241.35
295	252.97	265.83	265.83
300	275.68	289.65	289.65
305	297.42	312.46	312.46
310	317.88	333.94	333.94
315	336.81	353.80	357.19
320	354.00	371.85	373.55
325	369.32	387.93	387.93
330	382.70	401.97	402.04
335	394.11	413.95	414.74
340	403.63	423.94	426.01
345	411.33	432.03	435.55
350	417.39	438.39	443.15
355	421.98	443.20	448.65