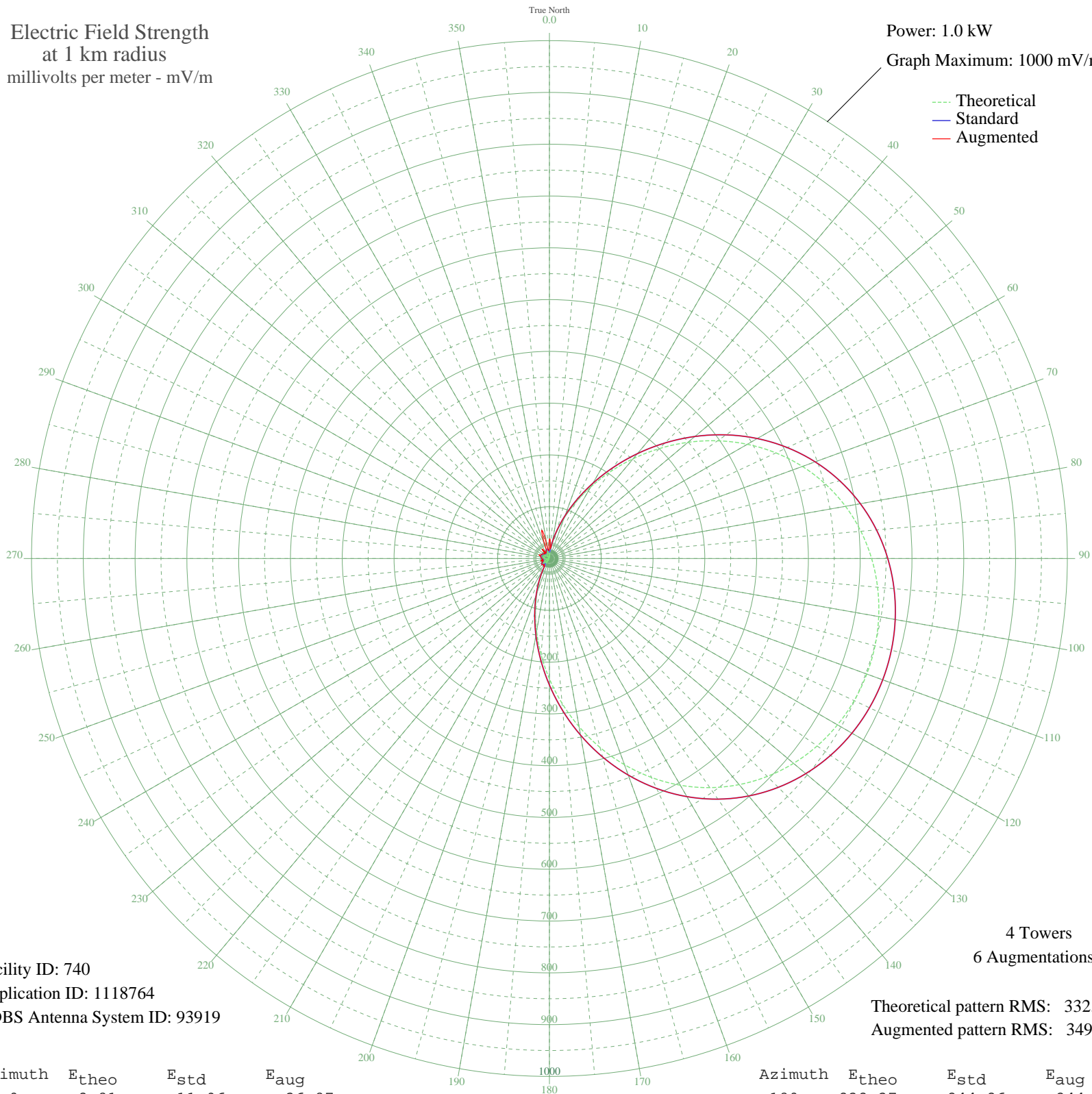


WSML GRAHAM, NC BML-20050707ADY 1200 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 740  
Application ID: 1118764  
CDBS Antenna System ID: 93919

4 Towers  
6 Augmentations

Theoretical pattern RMS: 332.90  
Augmented pattern RMS: 349.84

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2.81	11.96	36.87
5	10.59	16.07	19.66
10	28.70	32.29	32.29
15	52.83	56.67	56.67
20	82.95	87.87	87.87
25	118.73	125.21	125.21
30	159.47	167.85	167.85
35	204.16	214.69	214.69
40	251.57	264.40	264.40
45	300.32	315.55	315.55
50	349.02	366.65	366.65
55	396.36	416.34	416.34
60	441.18	463.39	463.39
65	482.57	506.83	506.83
70	519.84	545.96	545.96
75	552.56	580.30	580.30
80	580.51	609.65	609.65
85	603.67	633.96	633.96
90	622.11	653.32	653.32
95	636.02	667.92	667.92
100	645.56	677.93	677.93
105	650.89	683.53	683.53
110	652.11	684.82	684.82
115	649.25	681.81	681.81
120	642.25	674.47	674.47
125	630.99	662.64	662.64
130	615.29	646.16	646.16
135	594.98	624.83	624.83
140	569.91	598.52	598.52
145	540.04	567.16	567.16
150	505.46	530.86	530.86
155	466.48	489.94	489.94
160	423.62	444.95	444.95
165	377.66	396.72	396.72
170	329.63	346.31	346.31
175	280.75	295.01	295.01

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	232.37	244.26	244.26
185	185.89	195.53	195.53
190	142.64	150.22	150.22
195	103.78	109.58	109.58
200	70.20	74.61	74.61
205	42.45	46.06	46.06
210	20.74	24.67	24.67
215	5.08	12.76	17.59
220	6.07	13.23	15.89
225	11.89	17.04	17.04
230	14.10	18.80	18.80
235	13.53	18.34	18.34
240	11.10	16.44	16.44
245	7.59	14.07	14.07
250	3.67	12.22	12.22
255	0.20	11.60	17.38
260	3.64	12.21	12.21
265	6.53	13.47	13.47
270	8.79	14.82	14.82
275	10.43	15.95	15.95
280	11.52	16.76	16.76
285	12.11	17.21	17.65
290	12.24	17.31	21.08
295	11.93	17.07	17.07
300	11.15	16.48	16.48
305	9.85	15.54	15.54
310	7.96	14.29	14.29
315	5.45	12.93	12.93
320	2.32	11.85	16.60
325	1.33	11.68	19.82
330	5.26	12.84	12.84
335	9.08	15.01	15.01
340	12.24	17.31	17.31
345	14.03	18.75	56.87
350	13.60	18.39	18.39
355	10.03	15.67	15.67

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission