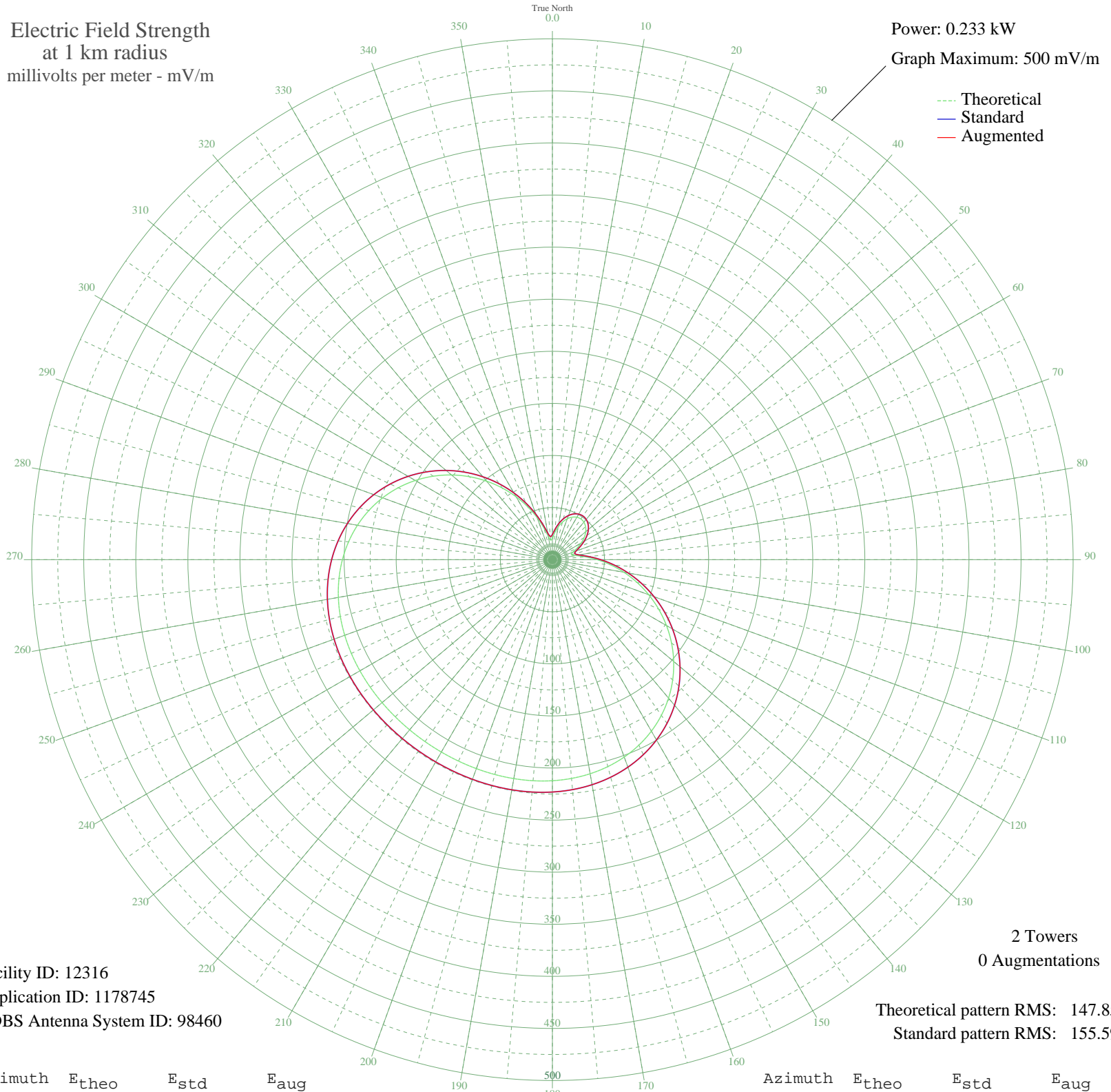


WMSP MONTGOMERY, AL BL-20070319ACV 740 kHz

Nighttime

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

Power: 0.233 kW
Graph Maximum: 500 mV/m



Facility ID: 12316
Application ID: 1178745
CDBS Antenna System ID: 98460

Theoretical pattern RMS: 147.85
Standard pattern RMS: 155.59

Azimuth	E _{theo}	E _{std}	E _{aug}
0	20.72	24.15	24.15
5	25.98	29.23	29.23
10	31.90	35.11	35.11
15	37.32	40.57	40.57
20	41.76	45.09	45.09
25	45.02	48.43	48.43
30	47.01	50.47	50.47
35	47.68	51.15	51.15
40	47.01	50.47	50.47
45	45.02	48.43	48.43
50	41.76	45.09	45.09
55	37.32	40.57	40.57
60	31.90	35.11	35.11
65	25.98	29.23	29.23
70	20.72	24.15	24.15
75	18.75	22.31	22.31
80	22.71	26.06	26.06
85	31.52	34.72	34.72
90	42.99	46.35	46.35
95	55.93	59.66	59.66
100	69.74	73.97	73.97
105	84.00	88.82	88.82
110	98.40	103.85	103.85
115	112.65	118.74	118.74
120	126.49	133.22	133.22
125	139.68	147.04	147.04
130	152.02	159.96	159.96
135	163.33	171.82	171.82
140	173.50	182.48	182.48
145	182.43	191.84	191.84
150	190.08	199.86	199.86
155	196.47	206.56	206.56
160	201.63	211.97	211.97
165	205.66	216.20	216.20
170	208.68	219.36	219.36
175	210.81	221.60	221.60

Azimuth	E _{theo}	E _{std}	E _{aug}
180	212.20	223.06	223.06
185	213.02	223.92	223.92
190	213.42	224.33	224.33
195	213.52	224.44	224.44
200	213.47	224.39	224.39
205	213.35	224.26	224.26
210	213.25	224.16	224.16
215	213.21	224.12	224.12
220	213.25	224.16	224.16
225	213.35	224.26	224.26
230	213.47	224.39	224.39
235	213.52	224.44	224.44
240	213.42	224.33	224.33
245	213.02	223.92	223.92
250	212.20	223.06	223.06
255	210.81	221.60	221.60
260	208.68	219.36	219.36
265	205.66	216.20	216.20
270	201.63	211.97	211.97
275	196.47	206.56	206.56
280	190.08	199.86	199.86
285	182.43	191.84	191.84
290	173.50	182.48	182.48
295	163.33	171.82	171.82
300	152.02	159.96	159.96
305	139.68	147.04	147.04
310	126.49	133.22	133.22
315	112.65	118.74	118.74
320	98.40	103.85	103.85
325	84.00	88.82	88.82
330	69.74	73.97	73.97
335	55.93	59.66	59.66
340	42.99	46.35	46.35
345	31.52	34.72	34.72
350	22.71	26.06	26.06
355	18.75	22.31	22.31

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.

22 Nov 2018

Prepared by Audio Division, Media Bureau
Federal Communications Commission