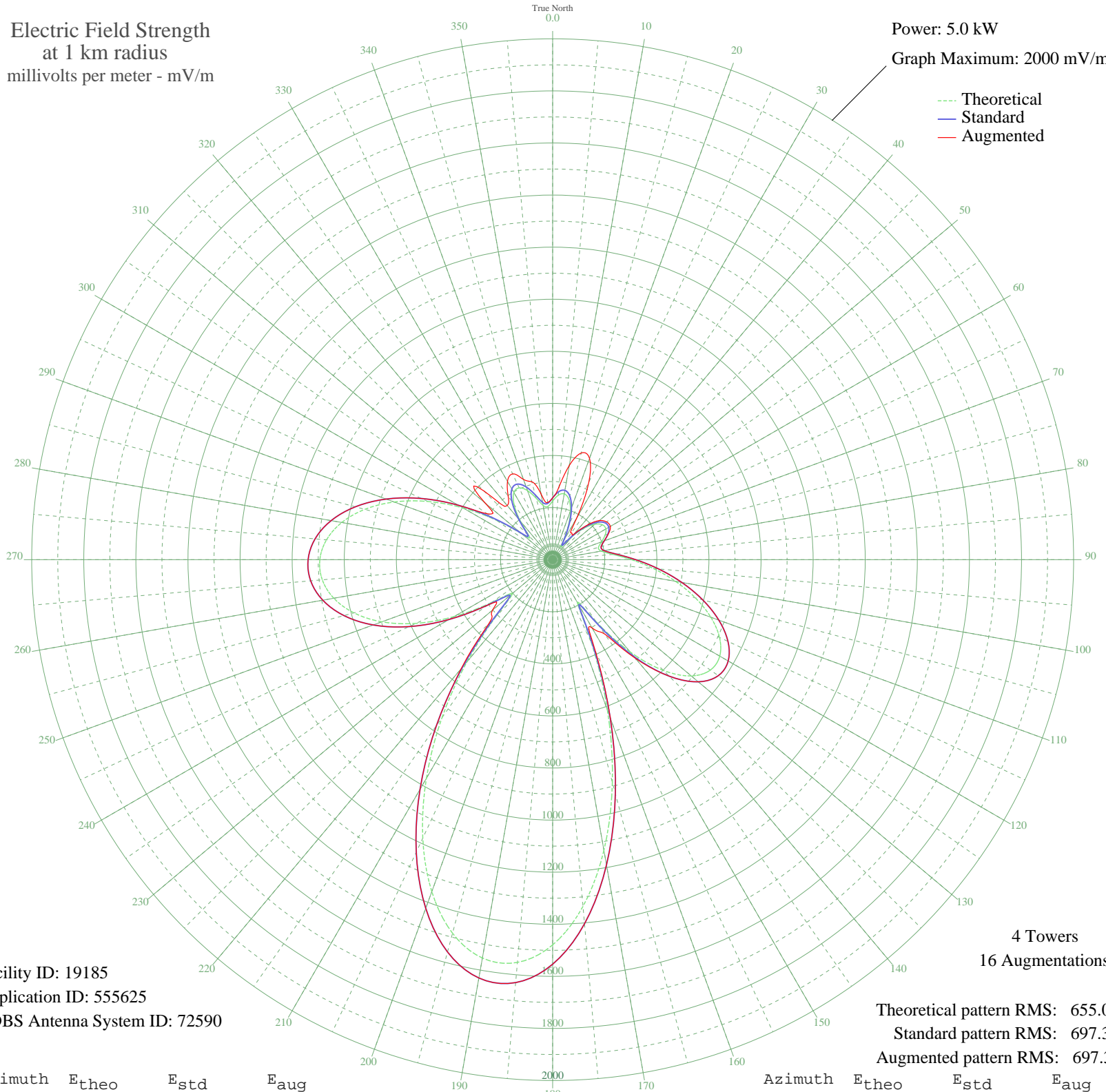


# WMC MEMPHIS, TN BL-20001024ACH 790 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 19185  
Application ID: 555625  
CDBS Antenna System ID: 72590

4 Towers  
16 Augmentations

Theoretical pattern RMS: 655.00  
Standard pattern RMS: 697.30  
Augmented pattern RMS: 697.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	224.99	237.40	237.40
5	248.36	261.83	280.75
10	256.42	270.27	366.92
15	240.39	253.50	423.97
20	199.81	211.11	413.85
25	140.72	149.61	328.93
30	77.90	85.09	185.46
35	63.09	70.29	125.53
40	115.44	123.46	128.75
45	170.96	181.04	187.06
50	211.83	223.66	233.35
55	233.53	246.33	252.86
60	235.87	248.77	255.48
65	222.05	234.33	236.55
70	199.48	210.76	210.76
75	182.08	192.62	192.62
80	189.53	200.39	200.39
85	232.29	245.04	245.04
90	302.57	318.56	318.56
95	387.97	408.04	408.04
100	478.90	503.40	503.40
105	567.54	596.38	596.38
110	646.24	678.96	678.96
115	706.88	742.60	742.60
120	740.76	778.15	778.15
125	739.18	776.49	776.49
130	694.52	729.63	729.63
135	601.87	632.40	632.62
140	461.86	485.52	494.63
145	290.22	305.63	348.75
150	189.42	200.27	302.43
155	351.99	370.34	389.00
160	614.55	645.70	647.63
165	885.53	930.10	930.10
170	1133.32	1190.21	1190.21
175	1336.40	1403.42	1403.42

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1479.21	1553.35	1553.35
185	1552.40	1630.19	1630.19
190	1553.21	1631.04	1631.04
195	1485.06	1559.49	1559.49
200	1356.51	1424.53	1424.53
205	1179.81	1239.02	1239.02
210	969.37	1018.11	1018.11
215	740.69	778.08	778.08
220	510.82	536.87	545.97
225	305.49	321.62	344.29
230	201.74	213.12	301.28
235	287.58	302.87	304.31
240	436.95	459.40	459.40
245	578.80	608.19	608.19
250	697.83	733.10	733.10
255	789.74	829.56	829.56
260	853.16	896.13	896.13
265	887.81	932.50	932.50
270	893.84	938.83	938.83
275	871.69	915.58	915.58
280	822.13	863.55	863.55
285	746.54	784.22	784.22
290	647.41	680.18	680.18
295	528.84	555.78	555.78
300	397.39	417.92	417.92
305	263.81	278.00	307.30
310	151.63	160.93	338.36
315	126.78	135.17	373.04
320	191.57	202.52	271.55
325	258.19	272.11	297.73
330	297.54	313.30	346.78
335	304.08	320.15	363.45
340	282.01	297.04	327.97
345	244.06	257.34	309.84
350	211.44	223.25	255.92
355	205.39	216.94	220.83