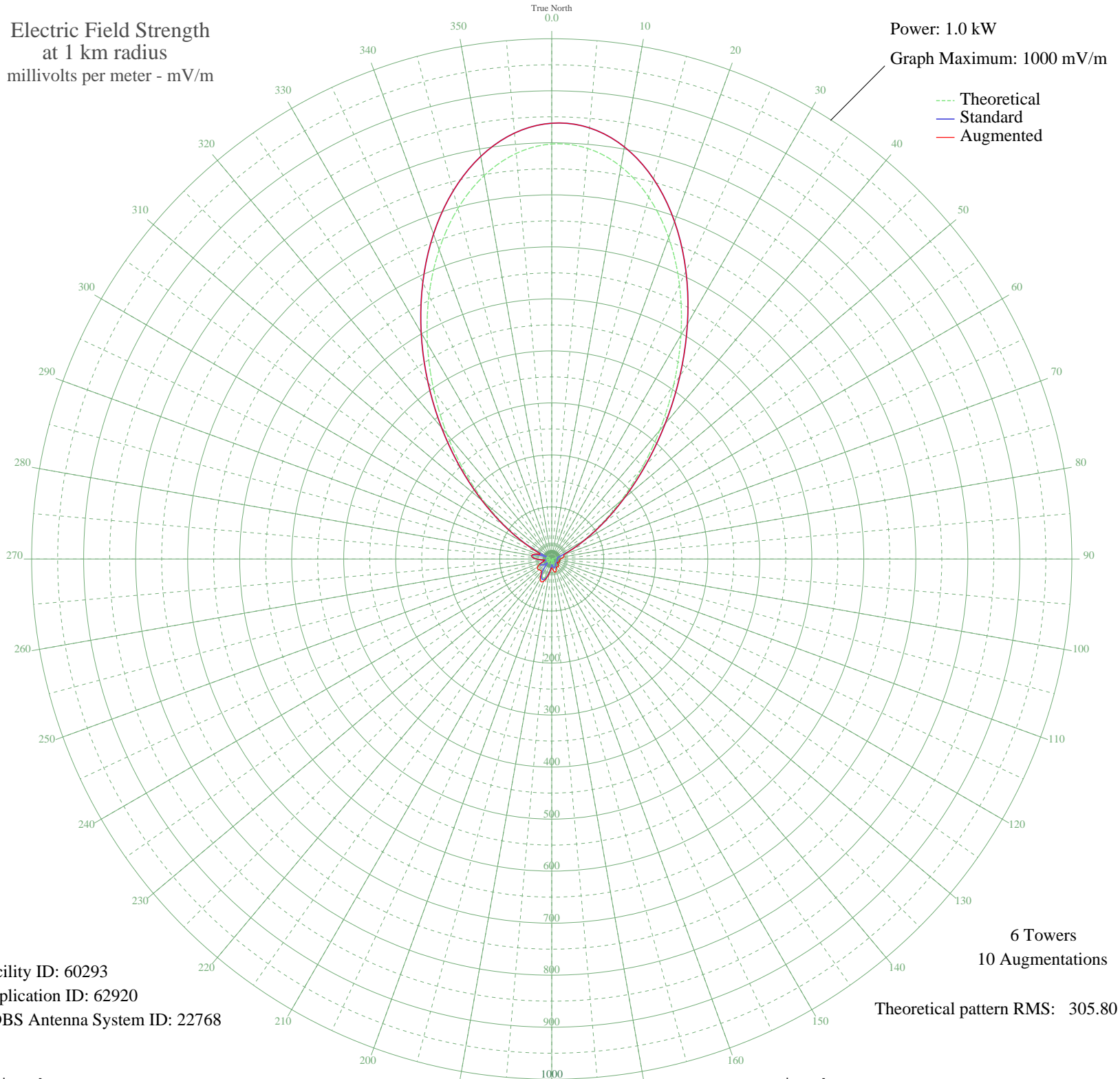


WMLM ST. LOUIS, MI BL-19831109AH 1520 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 60293
Application ID: 62920
CDBS Antenna System ID: 22768

6 Towers
10 Augmentations
Theoretical pattern RMS: 305.80

Azimuth	E _{theo}	E _{std}	E _{aug}
0	797.71	837.66	837.66
5	792.21	831.89	831.89
10	765.96	804.32	804.32
15	720.14	756.22	756.22
20	657.33	690.28	690.28
25	581.33	610.49	610.49
30	496.83	521.78	521.78
35	408.97	429.55	429.55
40	322.85	339.16	339.16
45	243.00	255.37	255.37
50	172.96	181.91	181.91
55	115.00	121.20	121.20
60	70.05	74.30	74.30
65	37.77	41.02	41.90
70	16.77	20.50	26.19
75	5.09	11.78	23.96
80	1.65	10.64	23.80
85	1.82	10.67	20.50
90	0.53	10.51	17.01
95	1.23	10.58	16.12
100	2.27	10.77	15.04
105	2.18	10.75	15.04
110	0.96	10.55	16.09
115	1.01	10.55	14.90
120	3.09	10.99	12.56
125	4.63	11.57	13.09
130	5.07	11.77	16.31
135	4.18	11.38	18.63
140	2.63	10.86	19.31
145	3.96	11.29	18.58
150	7.71	13.26	17.90
155	11.36	15.89	20.61
160	13.65	17.76	24.44
165	13.65	17.77	26.13
170	10.79	15.44	24.24
175	4.96	11.72	19.68

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	3.59	11.16	16.62
185	13.48	17.63	20.63
190	23.59	26.90	28.12
195	32.26	35.46	37.40
200	37.99	41.25	45.46
205	39.66	42.95	48.28
210	36.78	40.02	44.34
215	29.62	32.82	36.47
220	19.22	22.75	31.06
225	7.38	13.05	30.55
230	5.42	11.94	32.19
235	14.64	18.61	33.30
240	20.35	23.81	31.84
245	21.33	24.73	27.25
250	17.34	21.01	21.01
255	9.08	14.18	15.77
260	3.47	11.12	14.62
265	15.28	19.18	19.18
270	26.44	29.68	29.68
275	33.94	37.15	37.15
280	35.37	38.59	39.16
285	28.63	31.84	35.62
290	12.15	16.52	26.72
295	15.84	19.67	28.35
300	54.82	58.51	60.25
305	105.27	111.04	111.13
310	166.31	174.94	174.94
315	236.47	248.52	248.52
320	313.66	329.51	329.51
325	395.23	415.13	415.13
330	478.02	502.04	502.04
335	558.51	586.53	586.53
340	632.91	664.64	664.64
345	697.41	732.36	732.36
350	748.38	785.87	785.87
355	782.62	821.82	821.82