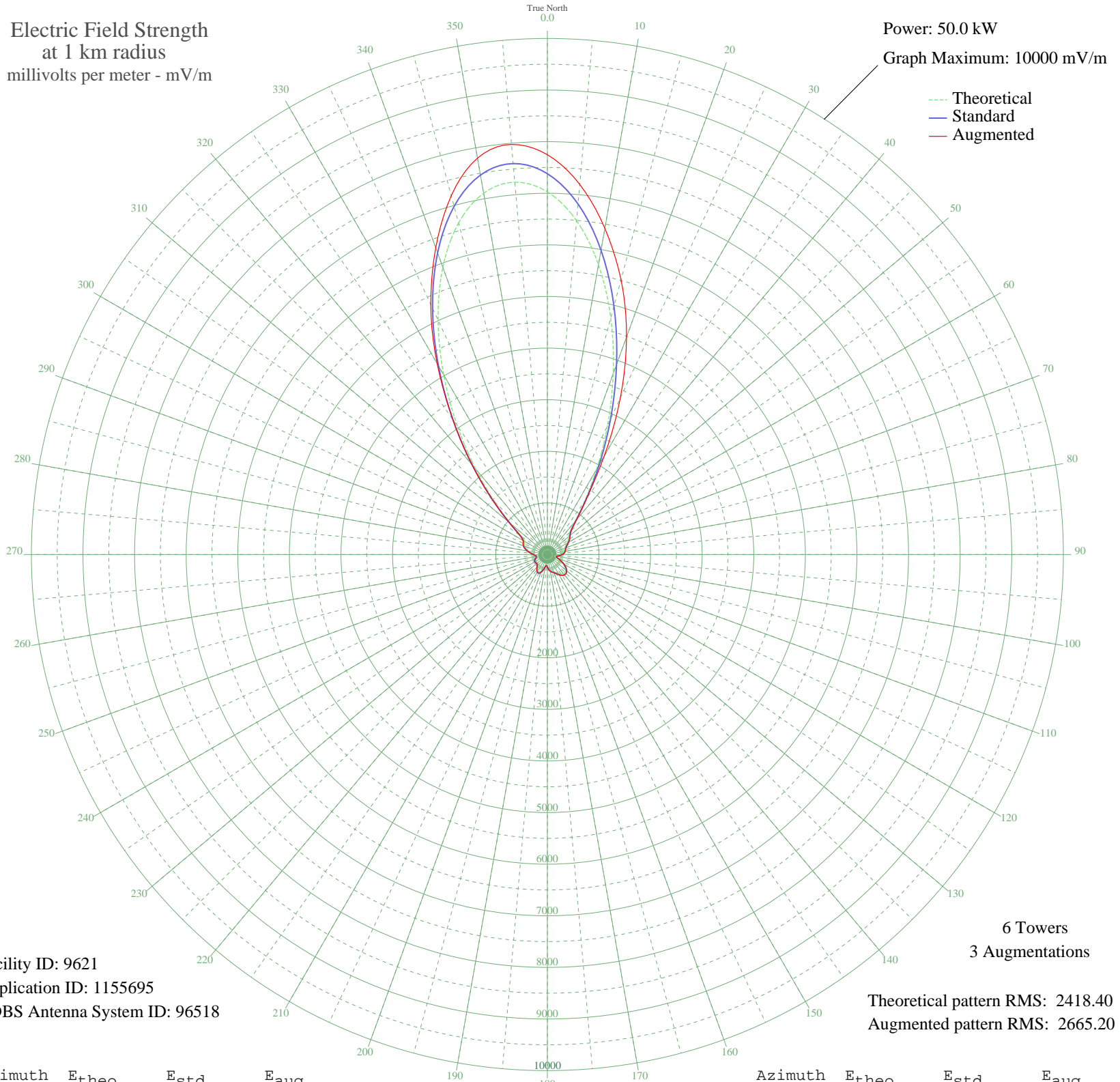


# WWJ DETROIT, MI BML-20060831ACJ 950 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 9621  
Application ID: 1155695  
CDBS Antenna System ID: 96518

Theoretical pattern RMS: 2418.40  
Augmented pattern RMS: 2665.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	7027.78	7379.68	7747.23
5	6493.03	6818.23	7198.87
10	5701.83	5987.55	6416.92
15	4746.41	4984.49	5513.80
20	3731.45	3918.98	4483.47
25	2758.05	2897.25	3342.53
30	1911.35	2008.79	2202.05
35	1254.27	1319.84	1319.84
40	824.94	870.53	870.53
45	616.06	652.66	652.66
50	539.86	573.46	573.46
55	494.09	526.01	526.01
60	441.50	471.63	471.63
65	389.67	418.27	418.27
70	354.10	381.81	381.81
75	336.48	363.82	363.82
80	323.48	350.58	350.58
85	300.39	327.14	327.14
90	260.60	287.08	287.08
95	207.72	234.76	234.76
100	158.50	187.72	187.72
105	148.43	178.41	178.41
110	194.53	221.95	221.95
115	267.10	293.59	293.59
120	341.91	369.36	369.36
125	407.17	436.26	436.26
130	455.61	486.21	486.21
135	481.97	513.46	513.46
140	483.38	514.92	514.92
145	461.17	491.96	491.96
150	422.72	452.27	452.27
155	380.85	409.21	409.21
160	347.94	375.52	375.52
165	325.58	352.71	352.71
170	302.03	328.80	328.80
175	264.65	291.14	291.14

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	215.99	242.85	242.85
185	186.76	214.46	214.46
190	215.60	242.46	242.46
195	281.56	308.13	308.13
200	340.96	368.39	368.39
205	370.25	398.34	398.34
210	363.60	391.53	391.53
215	328.79	355.98	355.98
220	284.02	310.61	310.61
225	251.75	278.23	278.23
230	244.02	270.53	270.53
235	251.12	277.61	277.61
240	254.93	281.41	281.41
245	245.28	271.79	271.79
250	223.04	249.77	249.77
255	198.40	225.70	225.70
260	188.06	215.71	215.71
265	205.12	232.22	232.22
270	247.32	273.82	273.82
275	303.89	330.68	330.68
280	365.05	393.01	393.01
285	421.62	451.13	451.13
290	463.56	494.42	494.42
295	485.56	517.18	517.18
300	508.70	541.14	541.14
305	616.06	652.67	652.67
310	915.15	964.82	964.82
315	1437.07	1511.42	1511.42
320	2159.41	2269.04	2269.04
325	3040.70	3193.91	3193.91
330	4019.40	4221.26	4221.26
335	5012.80	5264.16	5344.70
340	5923.40	6220.18	6325.44
345	6651.37	6984.48	7197.73
350	7110.18	7466.19	7799.20
355	7241.81	7604.40	7976.98