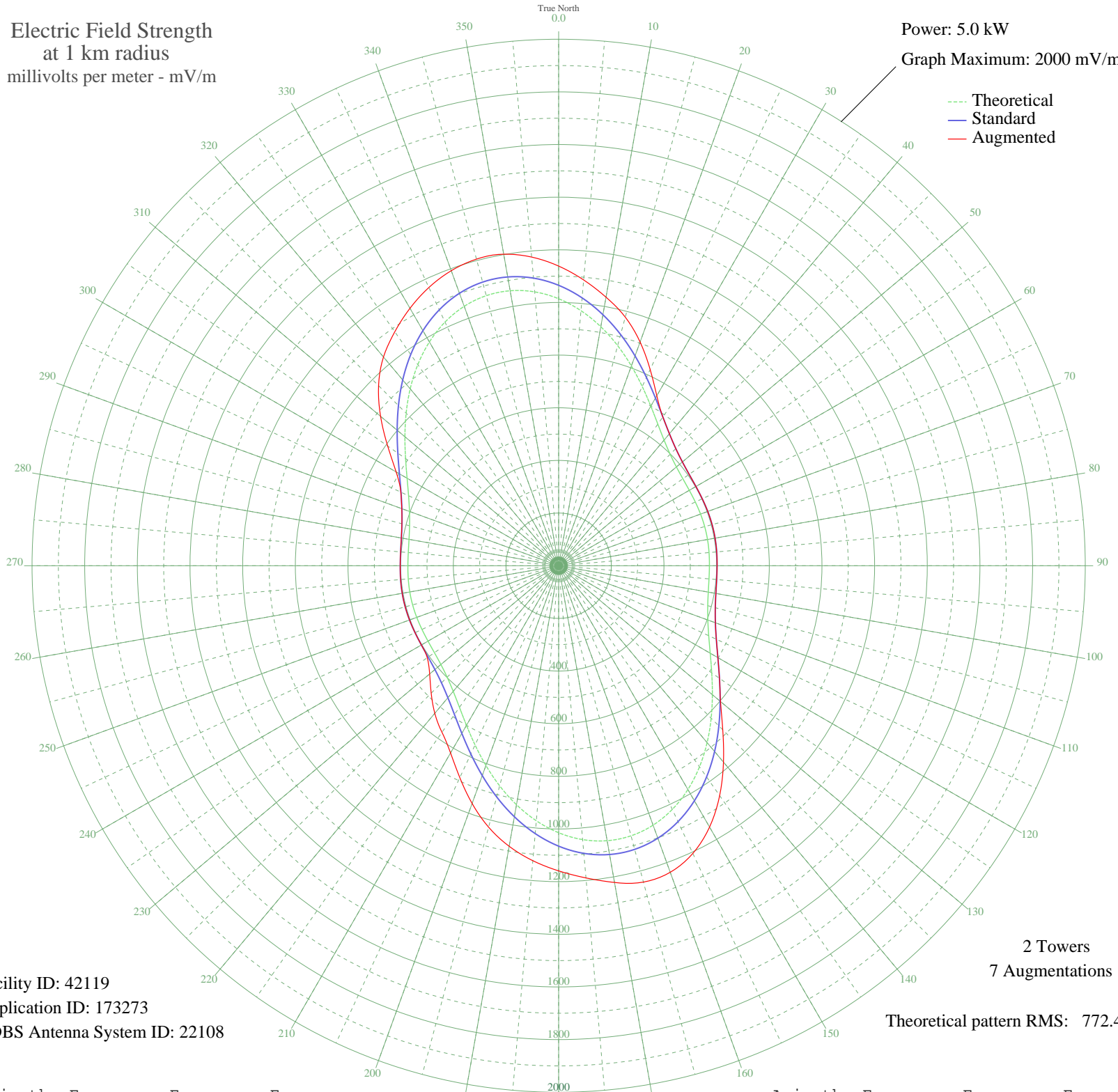


# WMBD PEORIA, IL BL-19920511AA 1470 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 42119  
Application ID: 173273  
CDBS Antenna System ID: 22108

2 Towers  
7 Augmentations

Theoretical pattern RMS: 772.49

Azimuth	Etheo	Estd	Eaug
0	1014.28	1065.26	1138.33
5	972.54	1021.44	1089.74
10	921.88	968.26	1035.86
15	865.65	909.24	977.66
20	807.52	848.23	904.33
25	751.19	789.10	822.39
30	700.04	735.41	745.61
35	656.73	689.96	689.96
40	622.90	654.46	654.46
45	598.89	629.28	629.28
50	583.83	613.47	613.47
55	575.90	605.15	605.15
60	572.91	602.01	602.01
65	572.70	601.79	601.79
70	573.52	602.65	602.65
75	574.18	603.34	603.34
80	574.10	603.26	603.26
85	573.34	602.47	602.47
90	572.61	601.70	601.70
95	573.22	602.34	602.34
100	577.02	606.33	606.33
105	586.20	615.96	615.96
110	602.93	633.52	633.52
115	628.87	660.73	660.73
120	664.67	698.29	698.29
125	709.71	745.57	745.57
130	762.15	800.60	802.53
135	819.12	860.40	881.41
140	877.17	921.32	973.84
145	932.57	979.48	1066.03
150	981.70	1031.05	1146.25
155	1021.30	1072.62	1205.80
160	1048.73	1101.42	1239.19
165	1062.14	1115.50	1244.09
170	1060.64	1113.92	1221.77
175	1044.32	1096.79	1190.49

Azimuth	Etheo	Estd	Eaug
180	1014.28	1065.25	1159.20
185	972.54	1021.44	1124.78
190	921.88	968.26	1082.21
195	865.65	909.24	1028.06
200	807.52	848.22	961.02
205	751.19	789.10	888.18
210	700.03	735.41	821.18
215	656.73	689.96	772.49
220	622.90	654.46	731.76
225	598.89	629.28	684.55
230	583.83	613.47	639.47
235	575.90	605.15	609.27
240	572.91	602.01	602.01
245	572.70	601.79	601.79
250	573.52	602.66	602.66
255	574.18	603.34	603.34
260	574.10	603.26	603.26
265	573.34	602.47	602.47
270	572.61	601.70	601.78
275	573.22	602.34	602.56
280	577.02	606.33	606.71
285	586.20	615.96	616.47
290	602.93	633.52	634.08
295	628.87	660.73	661.26
300	664.67	698.29	712.72
305	709.71	745.57	792.67
310	762.15	800.60	882.89
315	819.12	860.40	967.21
320	877.17	921.33	1035.01
325	932.57	979.48	1084.97
330	981.70	1031.05	1129.25
335	1021.30	1072.63	1166.24
340	1048.73	1101.42	1192.65
345	1062.14	1115.50	1205.82
350	1060.64	1113.92	1201.58
355	1044.32	1096.79	1177.01

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission