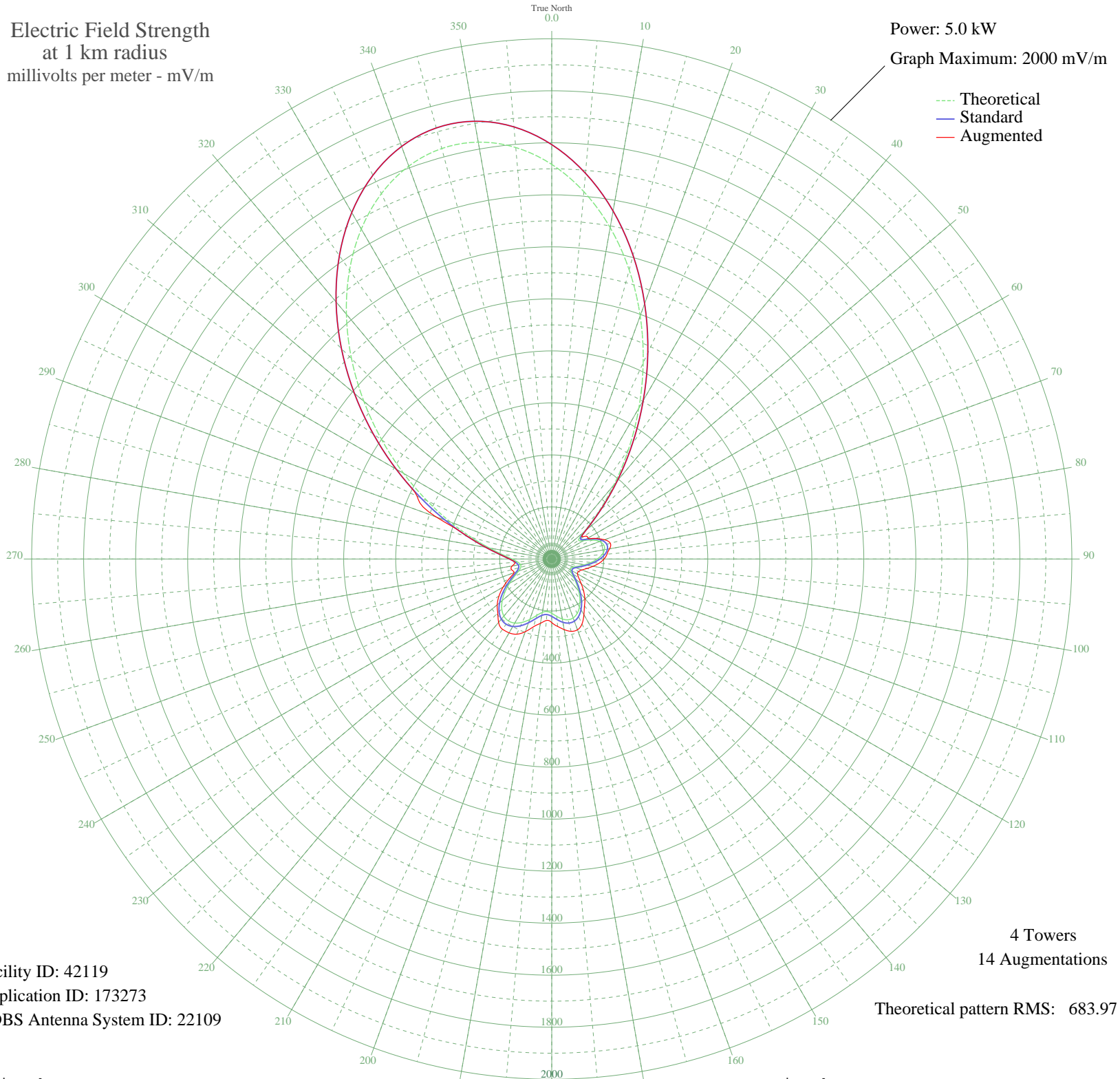


# WMBD PEORIA, IL BL-19920511AA 1470 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 42119  
Application ID: 173273  
CDBS Antenna System ID: 22109

4 Towers  
14 Augmentations  
Theoretical pattern RMS: 683.97

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1517.09	1593.11	1593.11
5	1417.56	1488.62	1488.62
10	1293.62	1358.51	1358.51
15	1150.60	1208.36	1208.36
20	994.60	1044.60	1044.60
25	832.17	874.09	874.09
30	669.96	703.85	703.85
35	514.52	540.75	540.75
40	372.36	391.68	391.68
45	250.87	264.46	264.46
50	161.83	171.54	171.54
55	125.75	134.11	150.90
60	141.86	150.79	160.30
65	172.59	182.73	187.29
70	196.20	207.35	216.13
75	207.27	218.90	233.35
80	205.90	217.46	225.79
85	194.17	205.23	213.48
90	175.05	185.29	201.16
95	151.81	161.12	183.36
100	127.82	136.25	161.45
105	106.27	114.02	140.35
110	90.03	97.41	123.38
115	81.52	88.75	113.76
120	82.22	89.47	114.27
125	92.23	99.65	126.95
130	110.30	118.17	148.15
135	134.31	142.97	172.98
140	161.56	171.25	197.96
145	188.92	199.75	219.39
150	213.14	225.02	247.32
155	231.26	243.96	275.36
160	241.12	254.26	289.68
165	241.82	254.99	287.92
170	234.24	247.07	275.67
175	221.46	233.71	260.19

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	208.81	220.51	244.41
185	202.92	214.35	237.19
190	208.51	220.19	251.23
195	225.04	237.46	269.59
200	247.27	260.69	297.32
205	268.76	283.17	318.96
210	284.29	299.43	327.85
215	290.61	306.05	329.92
220	286.33	301.56	317.98
225	271.70	286.25	293.53
230	248.37	261.84	273.62
235	219.11	231.26	247.40
240	187.64	198.41	215.55
245	158.30	167.86	181.45
250	135.64	144.35	154.40
255	123.23	131.51	159.63
260	122.20	130.44	154.34
265	131.94	140.51	141.48
270	153.20	162.57	162.57
275	189.26	200.10	200.10
280	243.85	257.12	257.12
285	319.00	335.77	335.77
290	414.49	435.85	473.85
295	528.40	555.32	571.51
300	657.49	690.76	690.76
305	797.47	837.67	837.67
310	943.21	990.65	990.65
315	1088.93	1143.62	1143.62
320	1228.49	1290.13	1290.13
325	1355.68	1423.66	1423.66
330	1464.59	1538.00	1538.00
335	1549.93	1627.60	1627.60
340	1607.35	1687.88	1687.88
345	1633.71	1715.56	1715.56
350	1627.31	1708.84	1708.84
355	1587.97	1667.53	1667.53