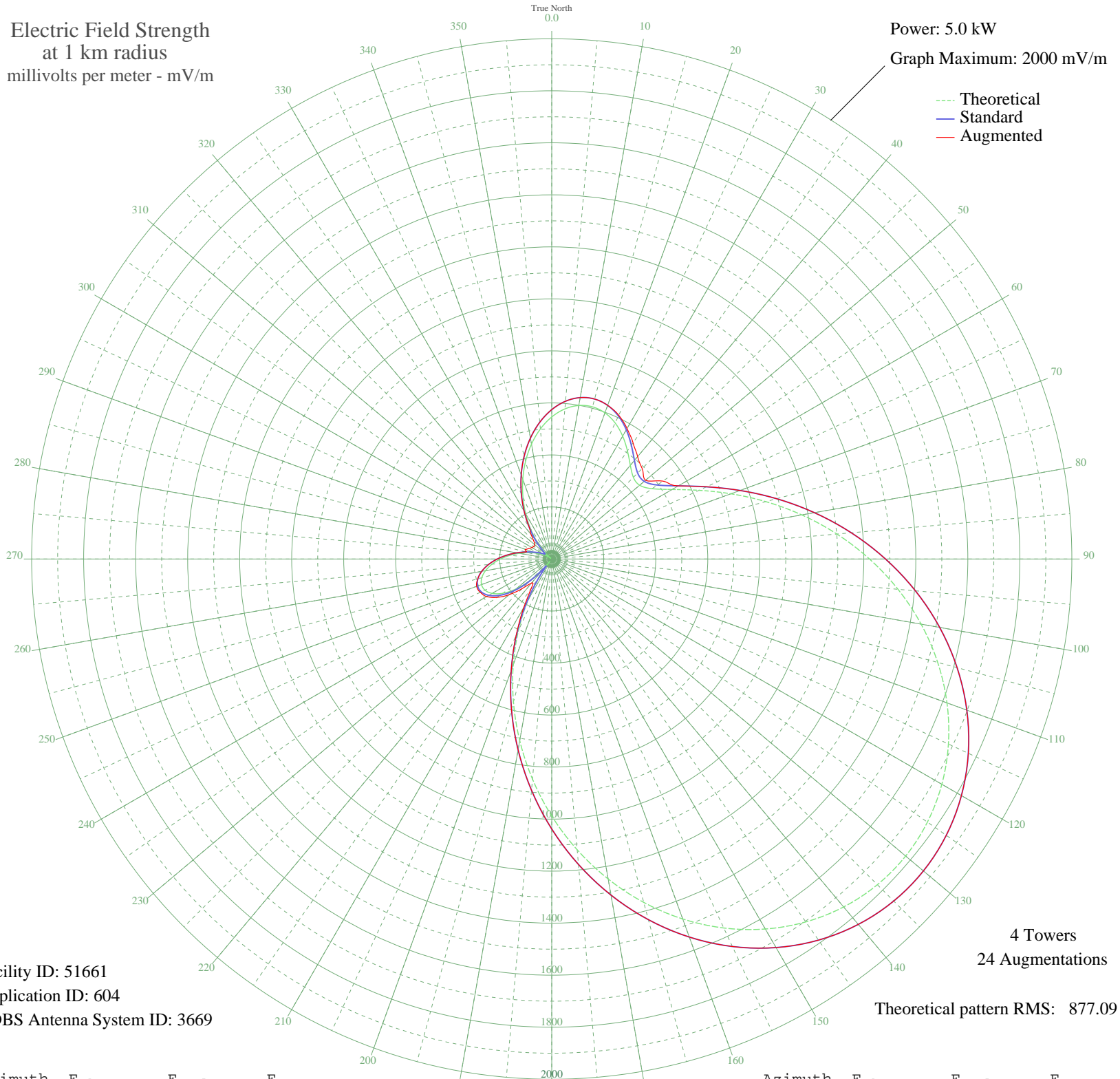


# WPAT PATERSON, NJ BL-14210 930 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 51661  
Application ID: 604  
CDBS Antenna System ID: 3669

4 Towers  
24 Augmentations  
Theoretical pattern RMS: 877.09

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	546.08	574.24	574.24
5	579.15	608.92	608.92
10	599.33	630.08	630.08
15	605.63	636.68	636.68
20	597.88	628.55	628.55
25	577.03	606.69	609.78
30	545.45	573.57	579.21
35	507.46	533.75	545.09
40	470.16	494.66	513.86
45	443.95	467.20	491.82
50	441.22	464.34	470.89
55	471.17	495.71	522.08
60	534.50	562.10	562.10
65	624.66	656.64	656.64
70	733.07	770.36	770.36
75	852.24	895.40	895.40
80	976.34	1025.64	1025.64
85	1100.81	1156.27	1156.27
90	1221.95	1283.43	1283.43
95	1336.68	1403.86	1403.86
100	1442.33	1514.77	1514.77
105	1536.58	1613.71	1613.71
110	1617.40	1698.56	1698.56
115	1683.07	1767.51	1767.51
120	1732.17	1819.05	1819.05
125	1763.60	1852.04	1852.04
130	1776.61	1865.70	1865.70
135	1770.83	1859.63	1859.63
140	1746.24	1833.82	1833.82
145	1703.24	1788.67	1788.67
150	1642.55	1724.96	1724.96
155	1565.25	1643.81	1643.81
160	1472.76	1546.71	1546.71
165	1366.75	1435.43	1435.43
170	1249.16	1311.99	1311.99
175	1122.16	1178.69	1178.69

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	988.09	1037.97	1037.97
185	849.46	892.48	892.48
190	708.87	744.98	744.98
195	569.02	598.30	598.30
200	432.62	455.32	455.32
205	302.30	318.96	324.12
210	180.61	192.21	214.85
215	69.91	79.80	136.79
220	28.27	43.14	120.70
225	111.31	121.00	160.62
230	178.78	190.31	213.08
235	229.88	243.39	257.50
240	264.56	279.55	288.88
245	283.36	299.18	303.15
250	287.43	303.42	307.38
255	278.46	294.06	294.33
260	258.64	273.37	273.37
265	230.57	244.11	244.11
270	197.12	209.33	209.33
275	161.33	172.26	172.26
280	126.17	136.13	136.13
285	94.32	103.87	103.87
290	67.62	77.60	107.83
295	46.24	57.77	95.76
300	27.88	42.86	88.35
305	8.65	32.60	84.17
310	17.62	36.36	85.46
315	50.56	61.63	97.69
320	92.49	102.03	124.72
325	142.73	153.10	153.10
330	199.80	212.12	212.12
335	261.60	276.45	276.45
340	325.54	343.25	343.25
345	388.81	409.45	409.45
350	448.50	471.97	471.97
355	501.79	527.81	527.81