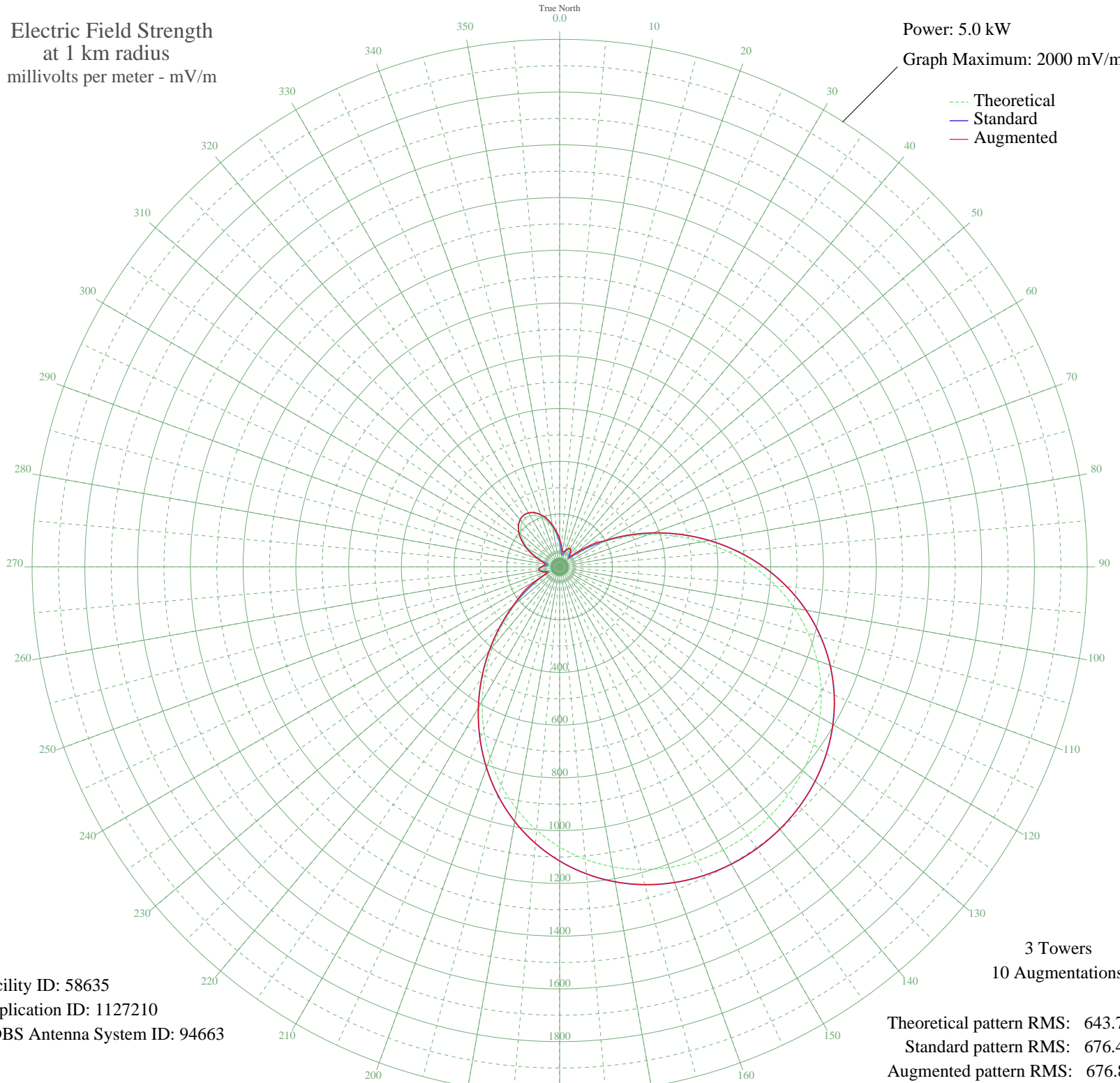


# WNYM HACKENSACK, NJ BP-20050719AHN 970 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 58635  
Application ID: 1127210  
CDBS Antenna System ID: 94663

3 Towers  
10 Augmentations

Theoretical pattern RMS: 643.74  
Standard pattern RMS: 676.40  
Augmented pattern RMS: 676.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	87.82	95.34	107.83
5	58.29	65.82	80.38
10	38.90	47.50	60.14
15	41.11	49.50	59.38
20	55.51	63.12	68.19
25	67.68	75.08	75.87
30	71.92	79.31	79.31
35	65.99	73.41	73.41
40	50.49	58.29	58.48
45	37.08	45.86	56.33
50	60.74	68.23	89.67
55	115.52	123.69	148.24
60	186.18	196.98	198.69
65	267.83	282.27	282.27
70	357.32	375.97	375.97
75	451.68	474.89	474.89
80	548.04	575.95	575.95
85	643.64	676.26	676.26
90	736.05	773.23	773.23
95	823.17	864.67	864.67
100	903.40	948.88	948.88
105	975.59	1024.65	1024.65
110	1039.03	1091.25	1091.25
115	1093.44	1148.37	1148.37
120	1138.83	1196.02	1196.02
125	1175.44	1234.45	1234.45
130	1203.63	1264.04	1264.04
135	1223.81	1285.23	1285.23
140	1236.32	1298.37	1298.37
145	1241.43	1303.73	1303.73
150	1239.25	1301.44	1301.44
155	1229.72	1291.43	1291.43
160	1212.64	1273.50	1273.50
165	1187.70	1247.32	1247.32
170	1154.51	1212.47	1212.47
175	1112.67	1168.55	1168.55

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.

09 Nov 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1061.88	1115.24	1115.24
185	1002.04	1052.42	1052.42
190	933.29	980.25	980.25
195	856.17	899.30	899.30
200	771.63	810.57	810.57
205	681.12	715.58	715.58
210	586.52	616.32	616.32
215	490.14	515.22	515.22
220	394.64	415.08	415.08
225	302.85	318.92	319.67
230	217.71	229.88	233.17
235	142.23	151.30	172.28
240	80.20	87.63	102.80
245	41.04	49.44	54.32
250	43.25	51.47	57.65
255	60.74	68.23	71.34
260	70.82	78.21	78.71
265	70.50	77.89	78.05
270	61.08	68.56	70.58
275	46.48	54.49	60.51
280	37.08	45.86	56.16
285	48.59	56.48	66.04
290	75.46	82.85	88.64
295	106.85	114.77	117.39
300	138.01	146.93	147.64
305	166.45	176.44	176.46
310	190.46	201.45	201.45
315	208.86	220.64	220.64
320	220.82	233.12	233.12
325	225.82	238.35	238.35
330	223.67	236.10	236.10
335	214.45	226.47	226.47
340	198.55	209.88	210.85
345	176.66	187.07	190.12
350	149.82	159.17	163.05
355	119.51	127.80	134.84