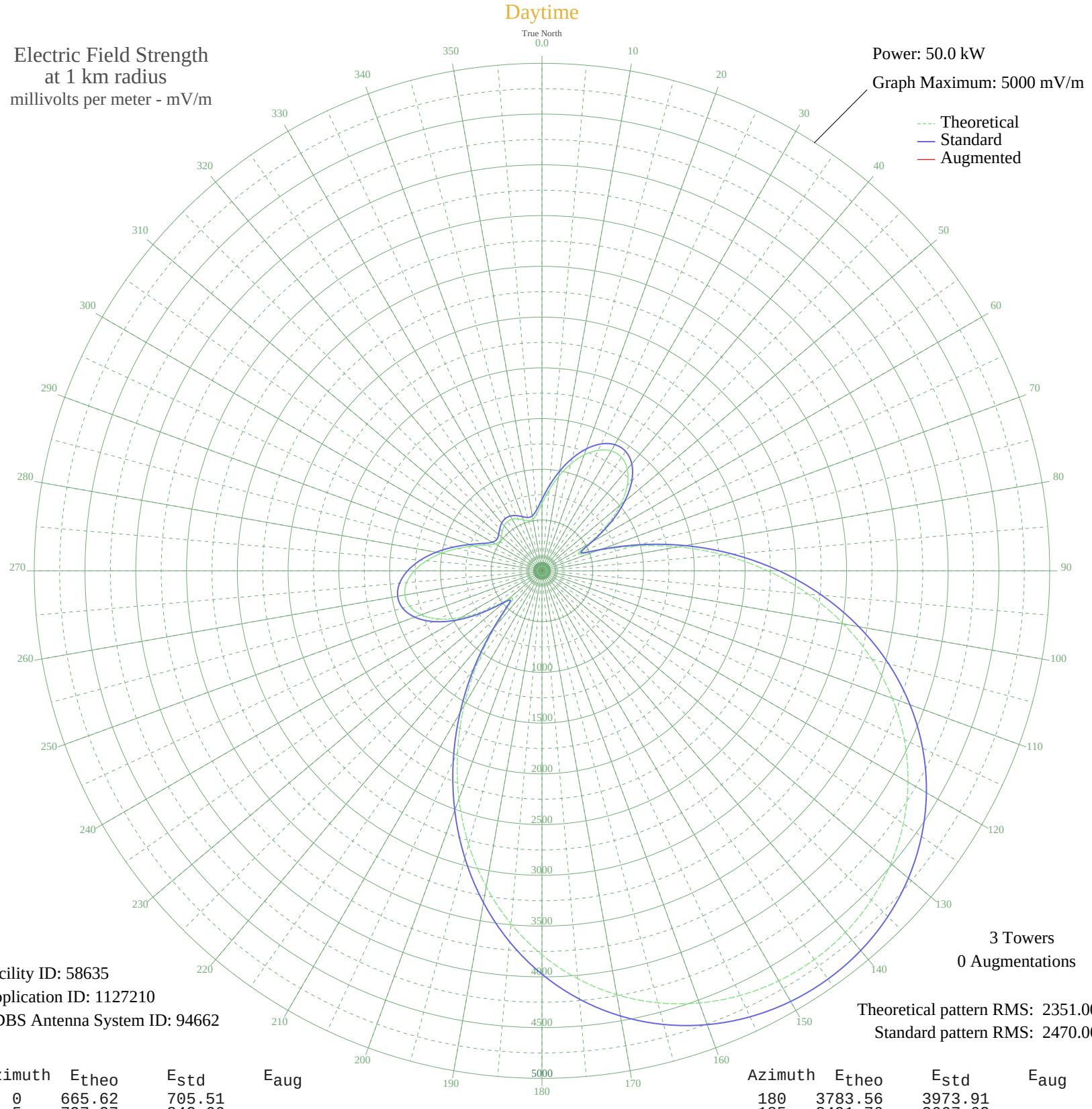
WNYM HACKENSACK, NJ BP-20050719AHN 970 kHz

Daytime

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



Power: 50.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 58635
Application ID: 1127210
CDBS Antenna System ID: 94662

Theoretical pattern RMS: 2351.00
Standard pattern RMS: 2470.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	665.62	705.51	
5	797.27	842.66	
10	943.71	995.57	
15	1087.91	1146.36	
20	1214.69	1279.06	
25	1310.59	1379.49	
30	1363.91	1435.35	
35	1365.09	1436.58	
40	1307.34	1376.09	
45	1187.45	1250.54	
50	1007.08	1061.82	
55	776.23	820.71	
60	528.11	562.82	
65	393.73	424.50	
70	576.59	613.03	
75	941.20	992.95	
80	1360.52	1431.79	
85	1794.36	1886.54	
90	2223.08	2336.22	
95	2633.49	2766.84	
100	3015.93	3168.20	
105	3363.55	3533.04	
110	3671.85	3856.65	
115	3938.42	4136.47	
120	4162.47	4371.65	
125	4344.38	4562.62	
130	4485.28	4710.53	
135	4586.59	4816.88	
140	4649.65	4883.08	
145	4675.44	4910.15	
150	4664.40	4898.56	
155	4616.34	4848.11	
160	4530.47	4757.97	
165	4405.58	4626.87	
170	4240.24	4453.29	
175	4033.14	4235.90	

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.

10 May 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	3783.56	3973.91	
185	3491.76	3667.62	
190	3159.46	3318.83	
195	2790.26	2931.36	
200	2390.05	2511.40	
205	1967.29	2067.90	
210	1533.62	1613.19	
215	1105.43	1164.70	
220	711.15	752.90	
225	429.99	461.66	
230	446.40	478.52	
235	675.45	715.74	
240	919.78	970.56	
245	1122.25	1182.29	
250	1266.88	1333.71	
255	1349.34	1420.07	
260	1371.09	1442.87	
265	1337.62	1407.80	
270	1257.45	1323.84	
275	1141.50	1202.44	
280	1002.55	1057.08	
285	855.07	902.98	
290	715.33	757.25	
295	601.36	638.73	
300	529.93	564.71	
305	507.43	541.44	
310	522.17	556.68	
315	552.37	587.94	
320	579.38	615.93	
325	592.17	629.20	
330	586.57	623.39	
335	564.35	600.35	
340	533.60	568.51	
345	510.02	544.12	
350	515.31	549.59	
355	566.96	603.05	