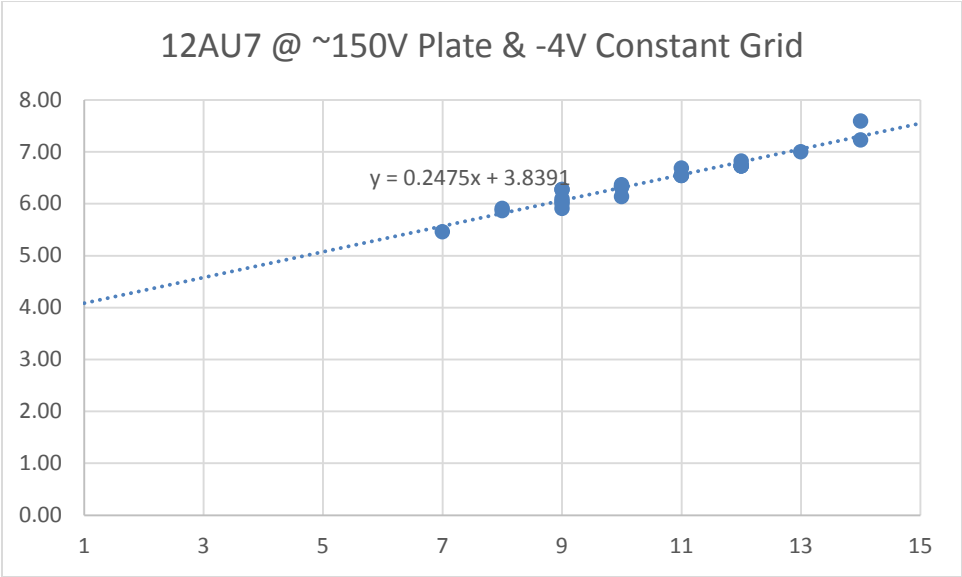
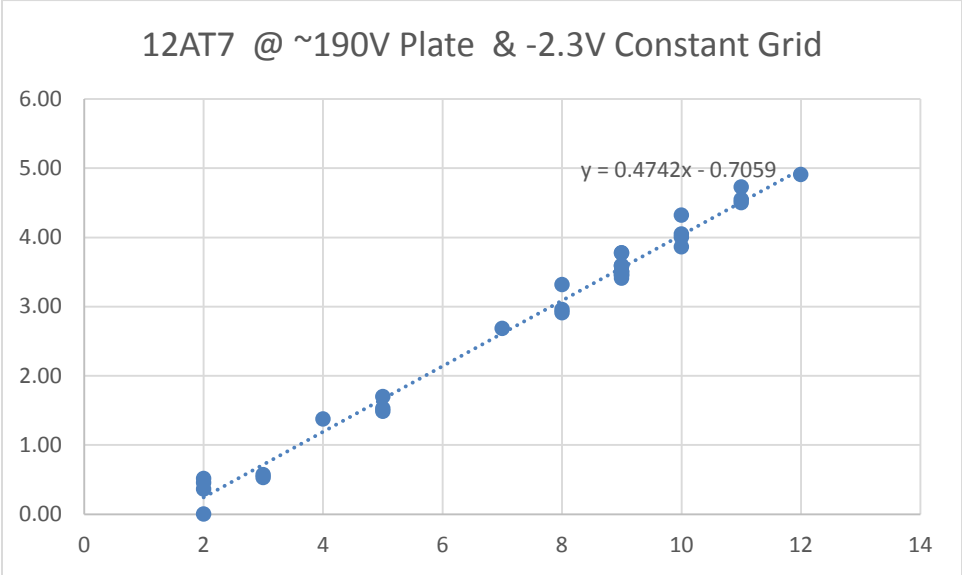
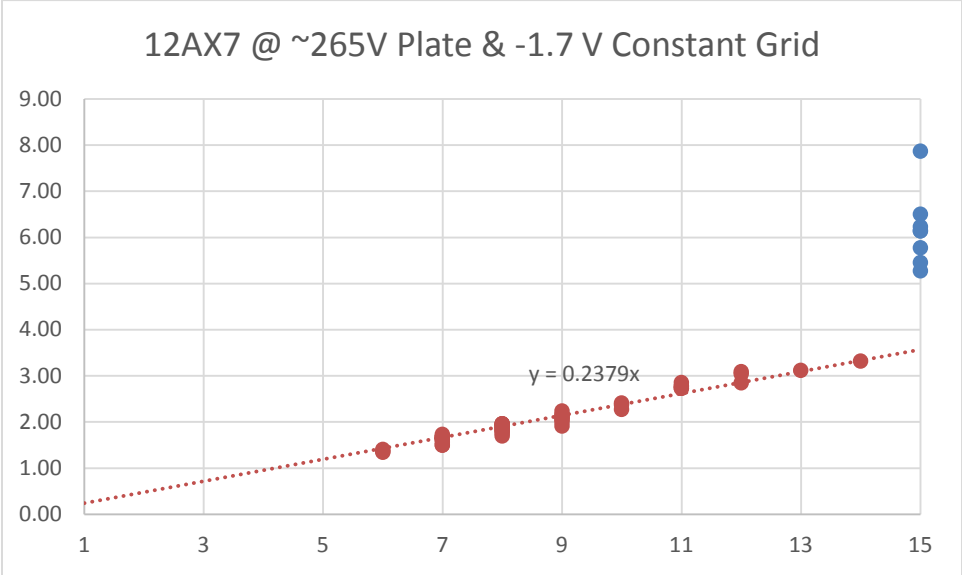
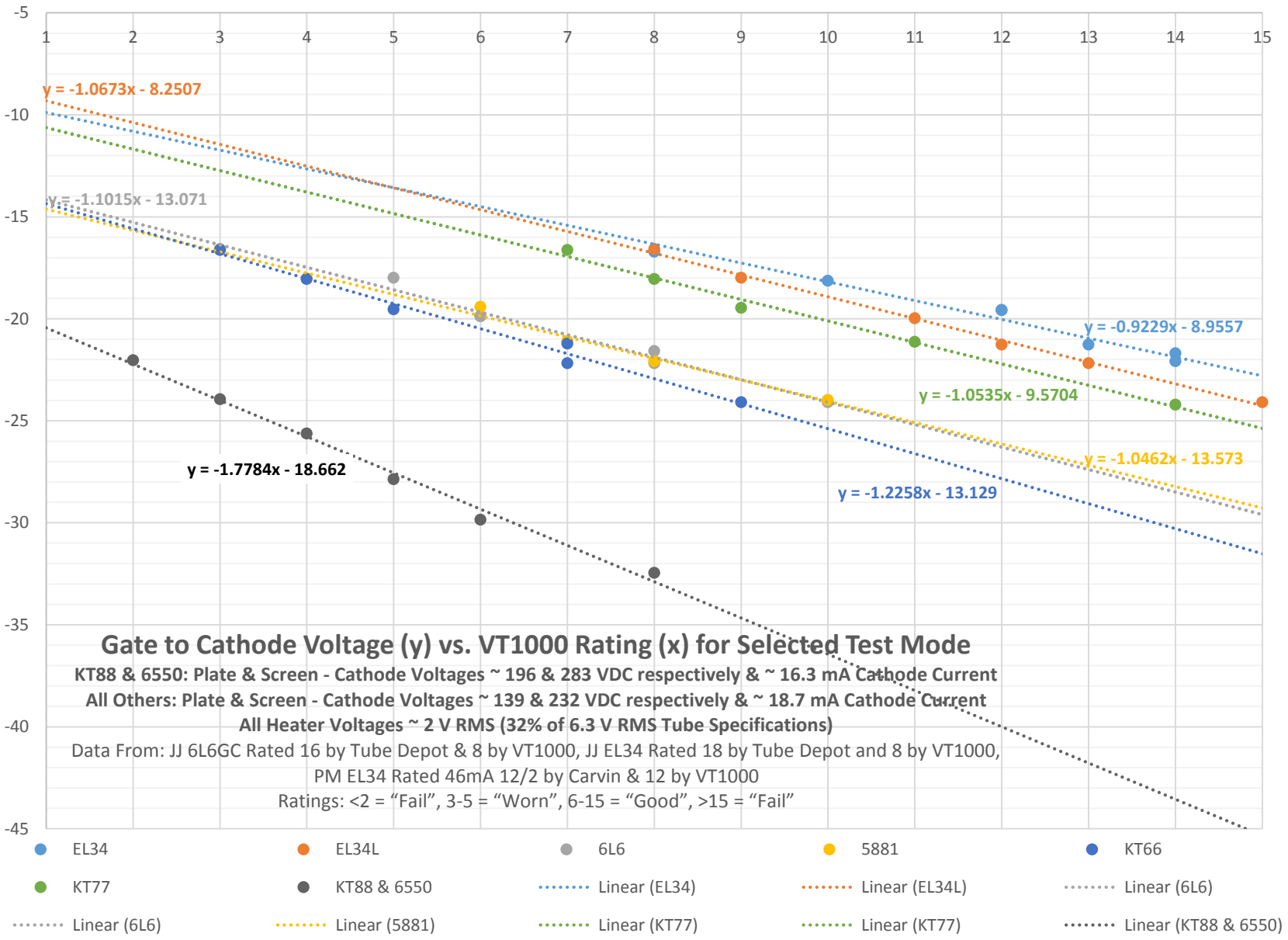
Orange VT1000 “Matching Value” (X axis) vs. Plate mA (Y axis) with ~2 V Heater








Gate to Cathode Voltage (y) vs. VT1000 Rating (x) for Selected Test Mode
KT88 & 6550: Plate & Screen - Cathode Voltages ~ 196 & 283 VDC respectively & ~ 16.3 mA Cathode Current
All Others: Plate & Screen - Cathode Voltages ~ 139 & 232 VDC respectively & ~ 18.7 mA Cathode Current
All Heater Voltages ~ 2 V RMS (32% of 6.3 V RMS Tube Specifications)
Data From: JJ 6L6GC Rated 16 by Tube Depot & 8 by VT1000, JJ EL34 Rated 18 by Tube Depot and 8 by VT1000,
PM EL34 Rated 46mA 12/2 by Carvin & 12 by VT1000
Ratings: <2 = "Fail", 3-5 = "Worn", 6-15 = "Good", >15 = "Fail"
y = -1.0673x - 8.2507
y = -1.1015x - 13.071
y = -0.9229x - 8.9557
y = -1.0535x - 9.5704
y = -1.0462x - 13.573
y = -1.2258x - 13.129
y = -1.7784x - 18.662
-5
-10
-15
-20
-25
-30
-35
-40
-45
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
EL34
EL34L
6L6
5881
KT66
KT77
KT88 & 6550
Linear (EL34)
Linear (EL34L)
Linear (6L6)
Linear (6L6)
Linear (5881)
Linear (KT77)
Linear (KT77)
Linear (KT88 & 6550)