

To be performed in addition to those applicable in K 1001

	Test Conditions						Test	Limits		No. Tested	Note
	Vf (V)	Vg1 (V)	Vg2 (V)	Vg3 (V)	Va (kV)	Ia (mA)		Min	Max		
a	9.0	-	-	-	-	-	If (A)	27	33	100%	1
b	9.0	Adjust	1500	0	6	500	-Ig1 (uA)	-	25.0	100%	1,2
c	9.0	Record (Vg1A)	1500	0	6	500	Control Grid Voltage Vg1 (V)	-200	-320	100%	1
d	9.0	Adjust	1500	0	6	500	Ig2 (mA)	-	30	100%	1
e	9.0	2000	2000	2000	2.0		Peak Emission Ie (A)	12	-	100%	3
f	9.0	Set at Vg1A +25V	1500	0	6	Record Ia2	gm (mA/V) $\frac{500-Ia2}{25}$	4.75	6.75	100%	1

NOTES

- For test 'a' and all subsequent tests the filament shall be heated by 50 c.p.s. current and the return of the grid and anode circuits shall be connected to the central point of the filament transformer secondary except in test 'e' (see note 3) G3 should also be connected directly to the point of common return for all tests except 'e'. Air flow 580 cubic feet/minute at a pressure drop of $2\frac{1}{2}$ inches water gauge.
- In test 'b', Ig1 shall not exceed the value specified at the end of a 10 minute test and shall not be rising.
- In test 'e' the emission shall be measured by the discharge of a condenser charged to 2.0 kV and connected between the anode and all grids strapped and one end of the filament.

