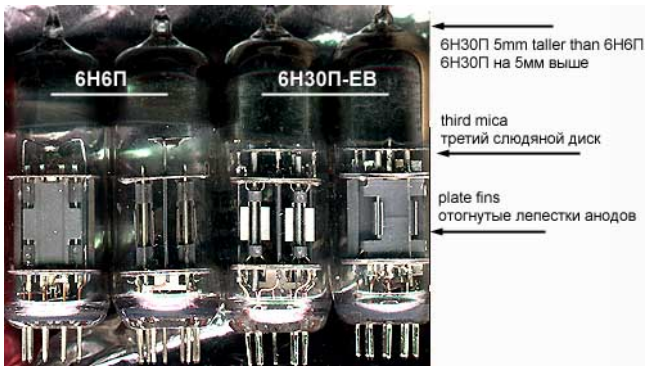
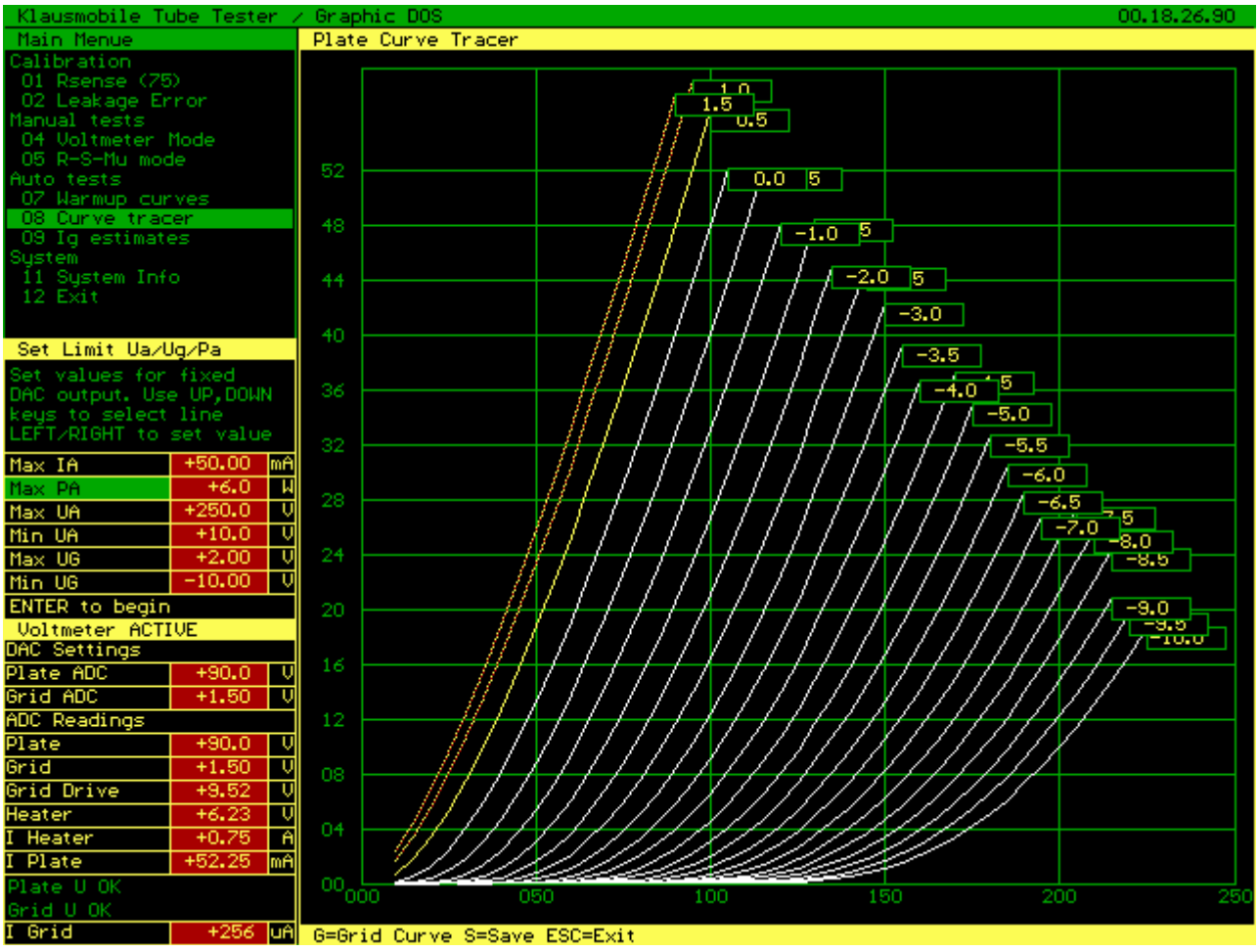
6H6П
6N6P



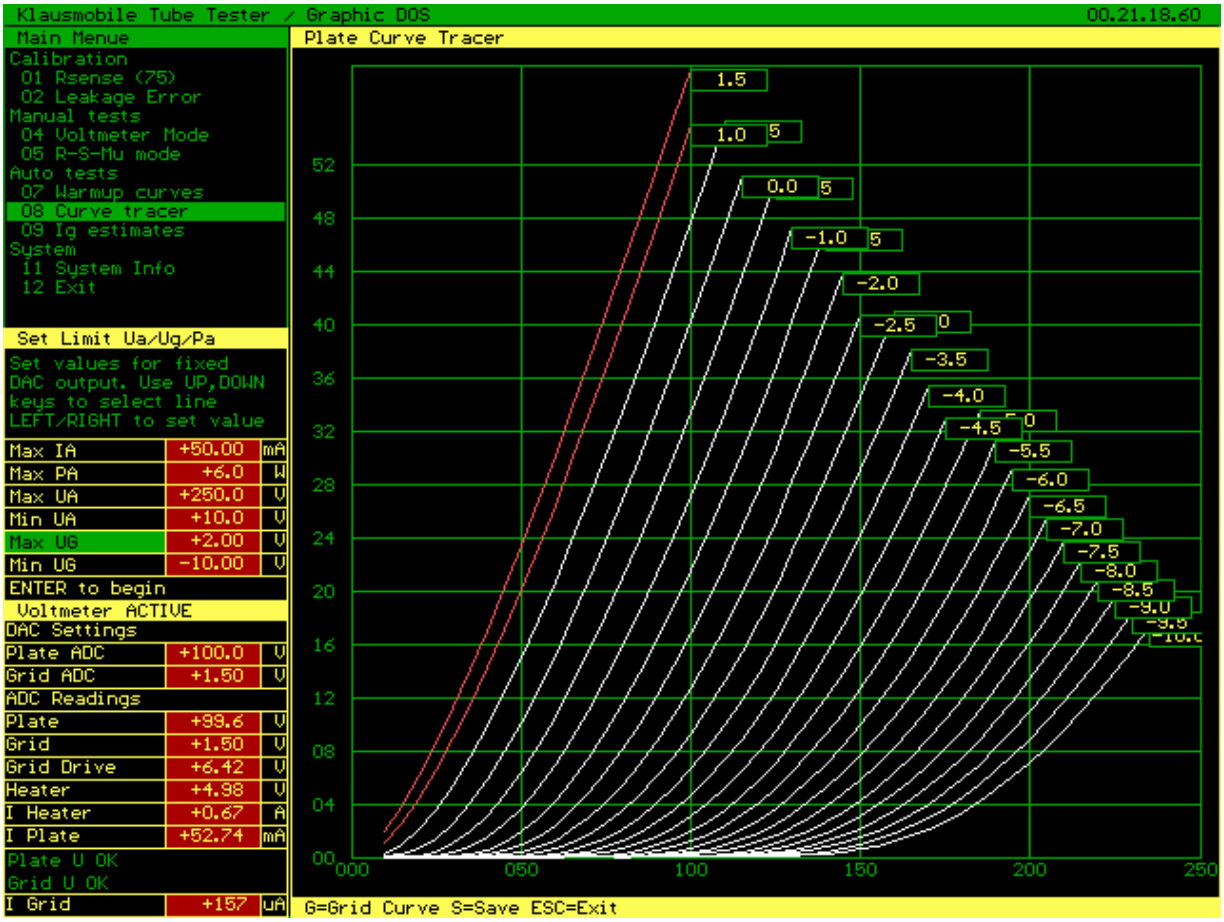
Novosibirsk (NEVZ) logo, made 06/1981. No burn-in. The standard Soviet output tube for small audio power amps. This one has nearly mirror identical halves and slightly worse Mu than specified (same Gm, better Rp). Note that the tube works without significant grid currents at Ug=+0.5V. See also page on 6N30P-EV for comparison.

Standard specifications per each triode			
Parameter	*Maximum*	*Operating Point*	*Measured*
Ua, V	300	120	119
Ug, V	-	(-1.9)	-2.0
Ia, mA	45	28	30
Pa, W	4.8	(3.5)	(3.6)
Gm, mA/V	-	11	11
Rp, kOhm	-	(2.0)	1.7
Mu, V/V	-	22	18

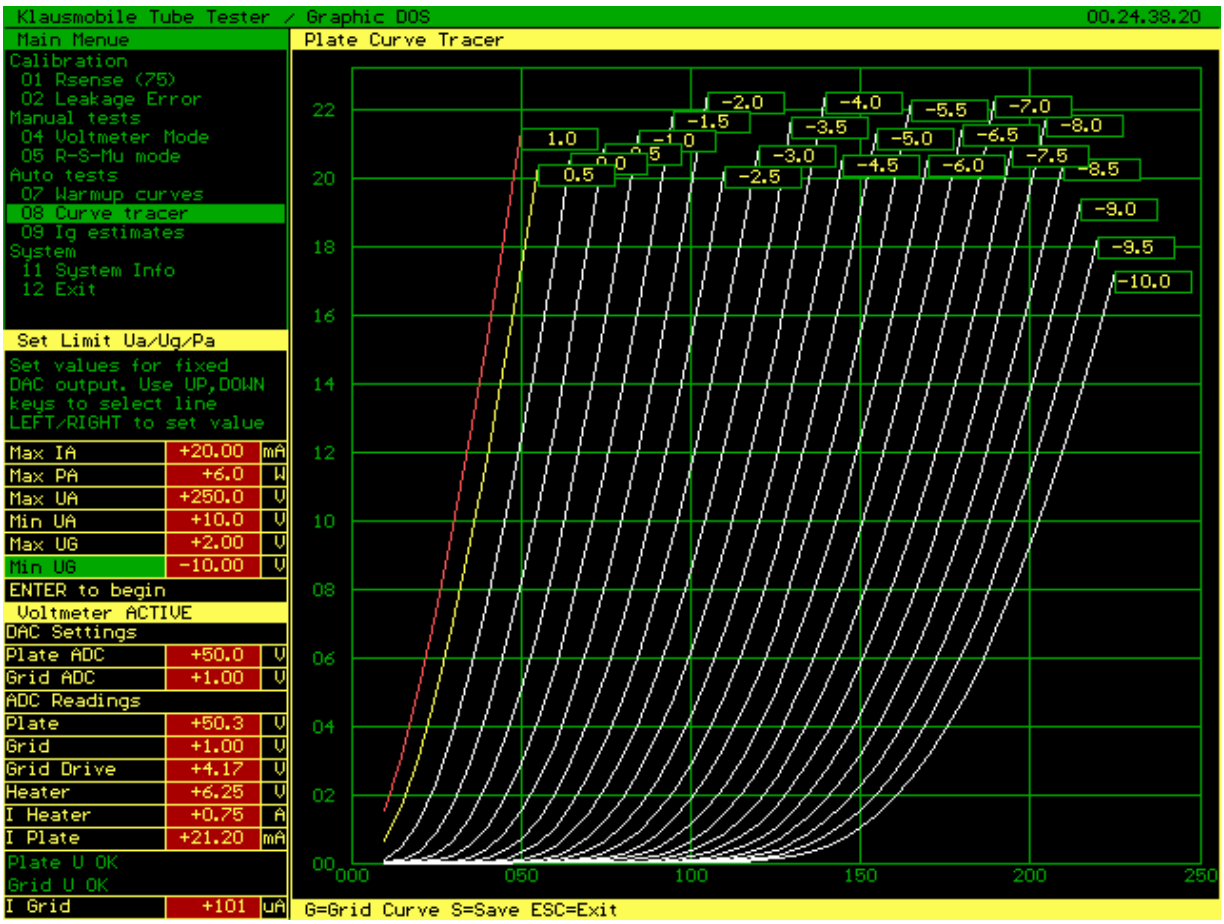
1. Curve at normal Uheater, full operating power



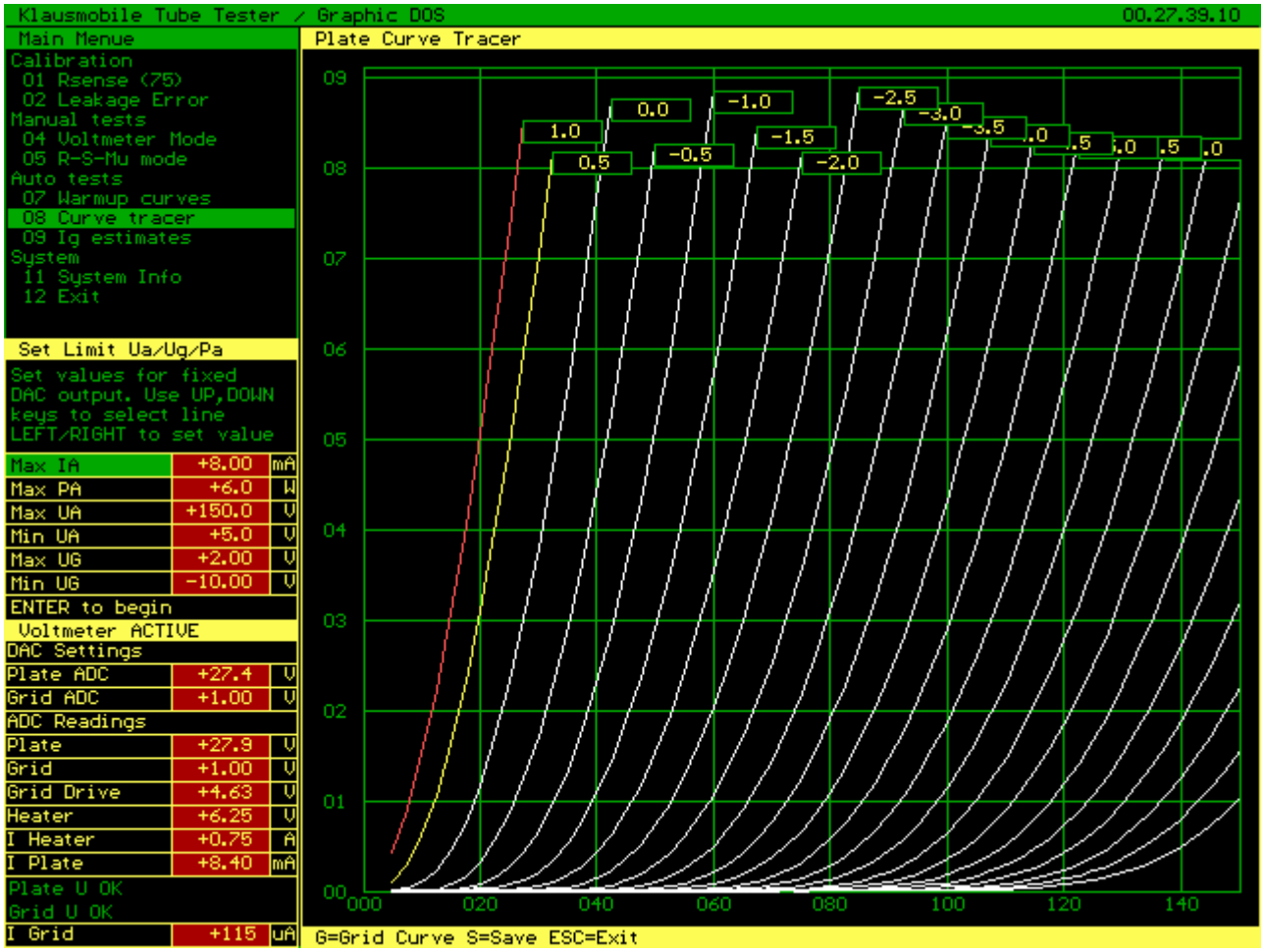
2. Curve at Uheater = 5.0V



3. Normal Uheater - 20mA closeup



4. Normal Uheater - 8mA closeup



5. Gm/Mu/Rp measurements

S/Mu/Rp for Ia=40.0mA and variable Ua/Ug

Ug,V	Ua,V	Ia,mA	Ga	Gm	Mu	Rp,k
-2.5	143.6	40.16	0.7	12.6	19.1	1.51
-2.0	134.3	40.17	0.7	12.4	18.7	1.51
-1.5	124.4	39.82	0.7	12.5	18.8	1.50
-1.0	115.0	40.06	0.7	12.9	19.1	1.47
-0.5	105.1	39.93	0.7	12.9	18.9	1.46
0.0	95.2	39.94	0.7	13.4	19.6	1.45
0.5	85.1	39.84	0.7	13.2	18.9	1.42
1.0	77.6	39.91	0.7	8.7	12.2	1.40
1.5	73.9	40.01	0.7	3.9	5.4	1.36

S/Mu/Rp for Ia=30.0mA and variable Ua/Ug

Ug,V	Ua,V	Ia,mA	Ga	Gm	Mu	Rp,k
-5.0	172.0	29.93	0.6	10.0	18.1	1.81
-4.5	163.6	30.14	0.6	10.1	18.0	1.78
-4.0	154.6	30.01	0.6	10.0	17.8	1.78
-3.5	145.6	29.87	0.6	10.1	17.6	1.74
-3.0	136.8	29.95	0.6	10.4	17.9	1.72
-2.5	127.9	30.08	0.6	10.8	18.1	1.68
-2.0	118.8	30.12	0.6	11.1	18.3	1.65
-1.5	109.5	30.05	0.6	11.3	18.5	1.62
-1.0	100.1	30.13	0.6	11.4	18.3	1.61
-0.5	90.2	29.86	0.6	11.7	18.7	1.59
0.0	80.9	30.14	0.6	12.4	19.1	1.54
0.5	70.8	29.92	0.7	12.2	18.6	1.52
1.0	63.6	30.01	0.7	7.8	11.7	1.50
1.5	60.2	30.13	0.7	3.1	4.8	1.53

S/Mu/Rp for Ia=10.0mA and variable Ua/Ug

Ug,V	Ua,V	Ia,mA	Ga	Gm	Mu	Rp,k
-9.0	188.0	9.96	0.3	4.9	16.9	3.40
-8.5	180.9	10.04	0.3	4.8	16.3	3.30
-8.0	173.5	10.02	0.3	4.9	16.4	3.30
-7.5	166.0	10.02	0.3	5.0	16.5	3.30
-7.0	158.3	9.96	0.3	4.8	15.8	3.20
-6.5	150.9	9.98	0.3	4.9	16.2	3.20
-6.0	143.3	9.97	0.3	5.0	15.9	3.10
-5.5	135.5	9.95	0.3	5.1	15.9	3.10
-5.0	128.1	10.03	0.3	5.3	16.1	3.00
-4.5	120.2	9.98	0.3	5.3	15.5	2.94
-4.0	112.5	10.02	0.3	5.4	15.7	2.90
-3.5	104.5	9.97	0.4	5.4	15.3	2.80
-3.0	96.7	10.00	0.4	5.6	15.4	2.74
-2.5	88.6	10.05	0.4	5.9	15.6	2.63
-2.0	80.1	9.95	0.4	6.2	15.9	2.56
-1.5	71.7	9.95	0.4	6.5	16.0	2.46
-1.0	63.3	10.00	0.4	6.9	16.3	2.36
-0.5	54.6	10.02	0.4	7.3	16.6	2.27
0.0	45.8	10.00	0.5	7.5	16.3	2.17
0.5	36.9	9.99	0.5	7.6	15.9	2.09
1.0	30.9	10.03	0.5	4.0	8.1	2.03
1.5	28.1	10.05	0.5	1.6	3.3	2.00

Legend: White curves: Ig<5uA Yellow: 5<Ig<20uA Red: 20<Ig<300uA. Measurements terminate at Ig>300uA