

Temperatur Check with 4 ohms with 24V- Regulator set to 20V

@4ohm resistive load on each channel, Output from Rigol DG1022 - 1Vrms input RCA in both L+R channel

LM317 is set with the 240(236) + 3k6 (3584) to 20V output

sweep from 10Hz - 25k for 10seconds - then repeat automaticly, (about 10,48V x 2,480 Ampere = 27WATT)

Ambient 22°C at Start, Temp measurement tool is Voltcraft IR-230

no true rms DDM in channel L for current

no true rms DMM in channel R for Voltage

AMP 1 (LM49720), Rigol DP832 **at 24V - LM317 regulator is working**

running Time - [minutes]	Colis Temp °C	Heatsink °C	IRF9530 °C	LM317 °C
6	56(50)	50	50	38
12	70(65)	64	60	57
18	77(73)	74	64	58
24	81(78)	77	69	57

Stopped.

LM317	PSU rigolDP832	Pin 3 input	pin4 OUT	PIN 1 adjust	xcheck
20V	24V	23,97V	20,03V	18,77V	vout = vin - 3V - ok

stopped...

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LM317 is set with the 240(236) + 3k6 (3584) to 20V output

sweep from 10Hz - 25k for 10seconds - then repeat automaticly, (about 10,56V x 2,490 Ampere = 27WATT)

Ambient 22°C at Start, Temp measurement tool is Voltcraft IR-230

no true rms DDM in channel L for current

no true rms DMM in channel R for Voltage

AMP 1 (LM49720), PSU 1 24V - LM317 **regulator is working**

running Time - [minutes]	Colis Temp °C	Heatsink °C	IRF9530 °C	LM317 °C	PSU 1
6	58(54)	53	50	43	34
12	72(68)	67	61	52	38
18	79(76)	75	67	58	41
24	82(77)	80	79	69	44
30	89(80)	83	79	69	44

Stopped.

LM317	original PSU(1)	Pin 3 input	pin4 OUT	PIN 1 adjust	xcheck
20V	24	23,50-23,69V	20,03	18,78	vout = vin - 3V - ok