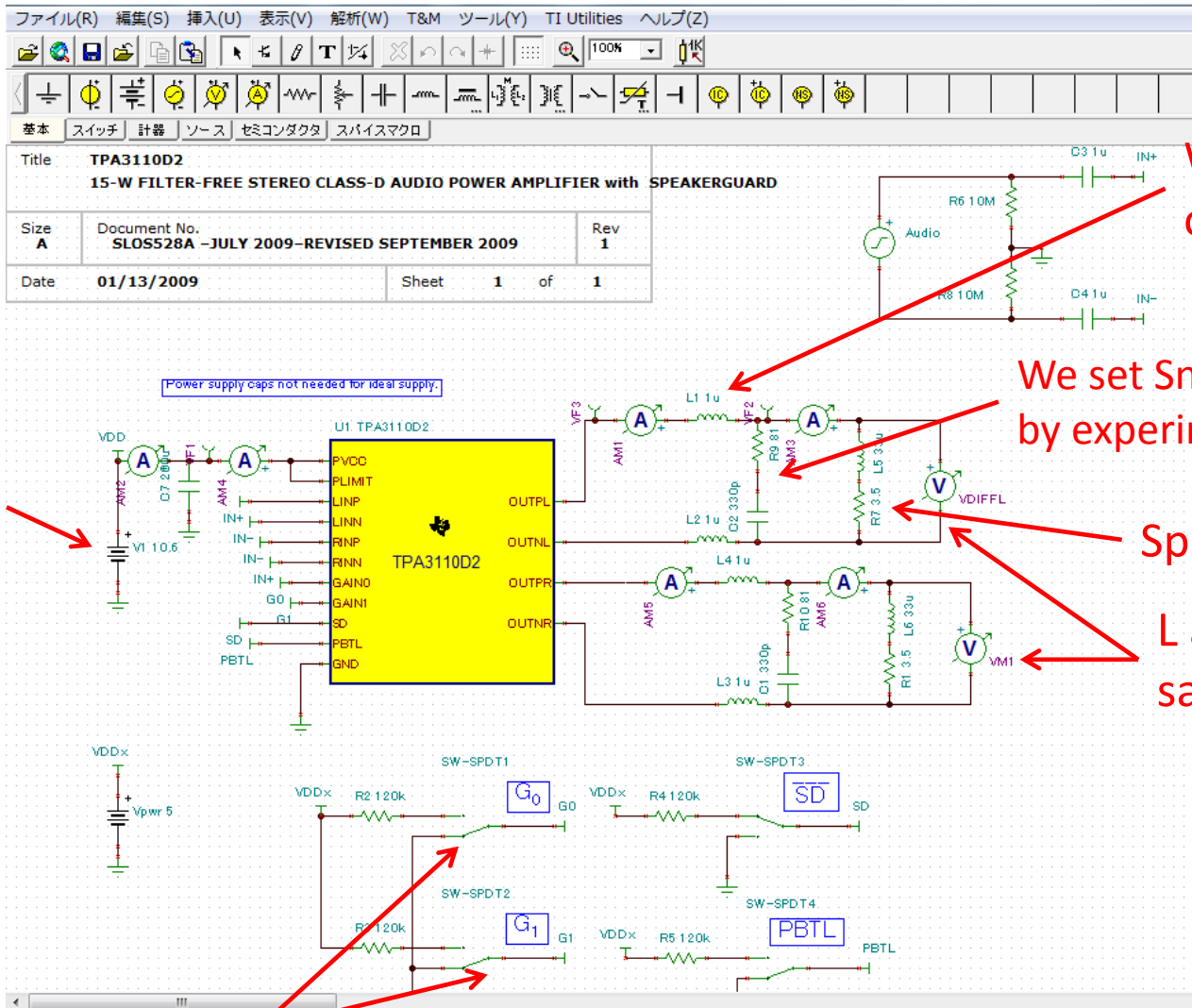


SETTINGS



We image 1uH of ferrite bead.

We set Snubber circuit by experimental thinking.

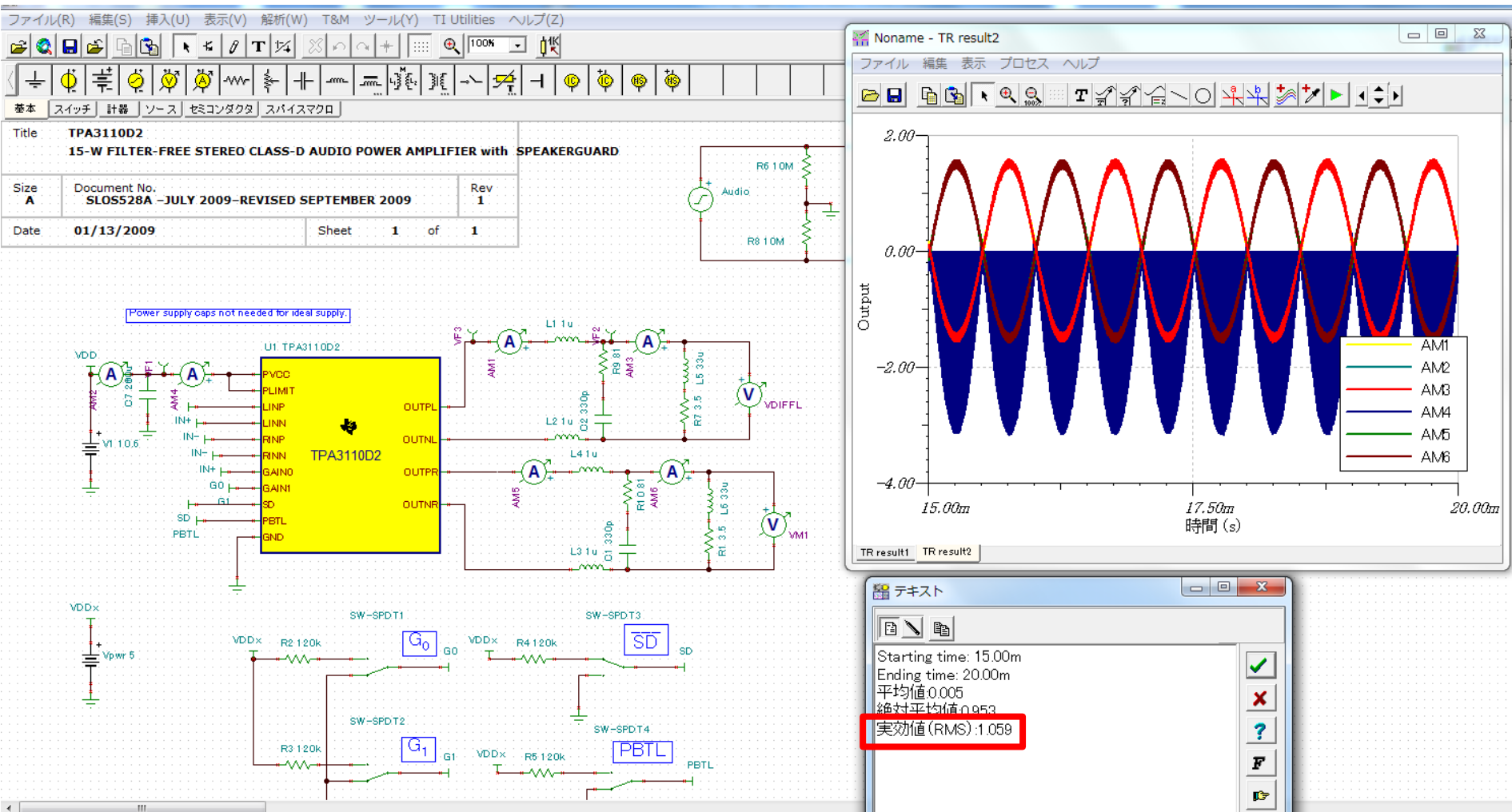
Speaker = 3.5 [Ω]

L and R have same condition.

Vin = 10.6 [V]

Gain = 20 [dB]

$$AM3 = I_{out(RMS)} = 1.059 [A]$$

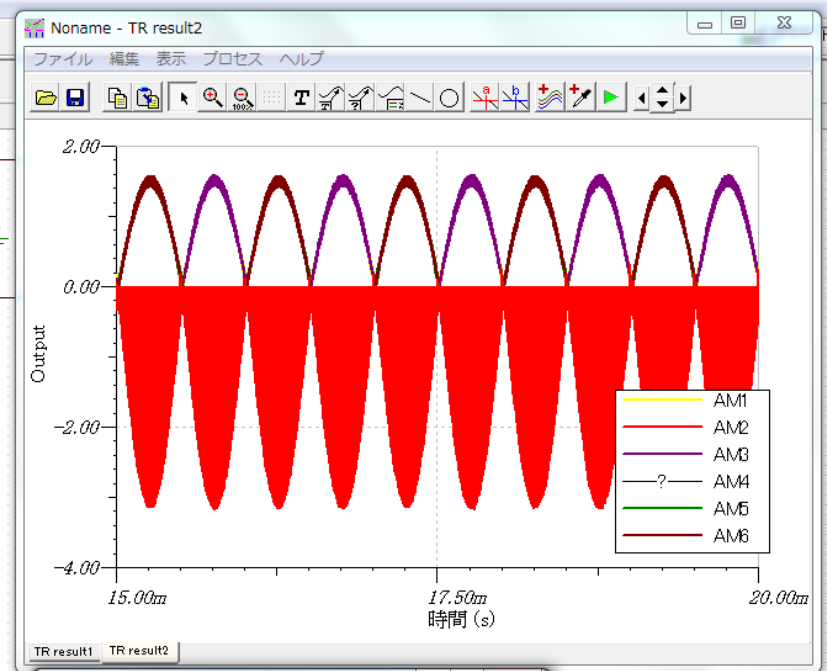
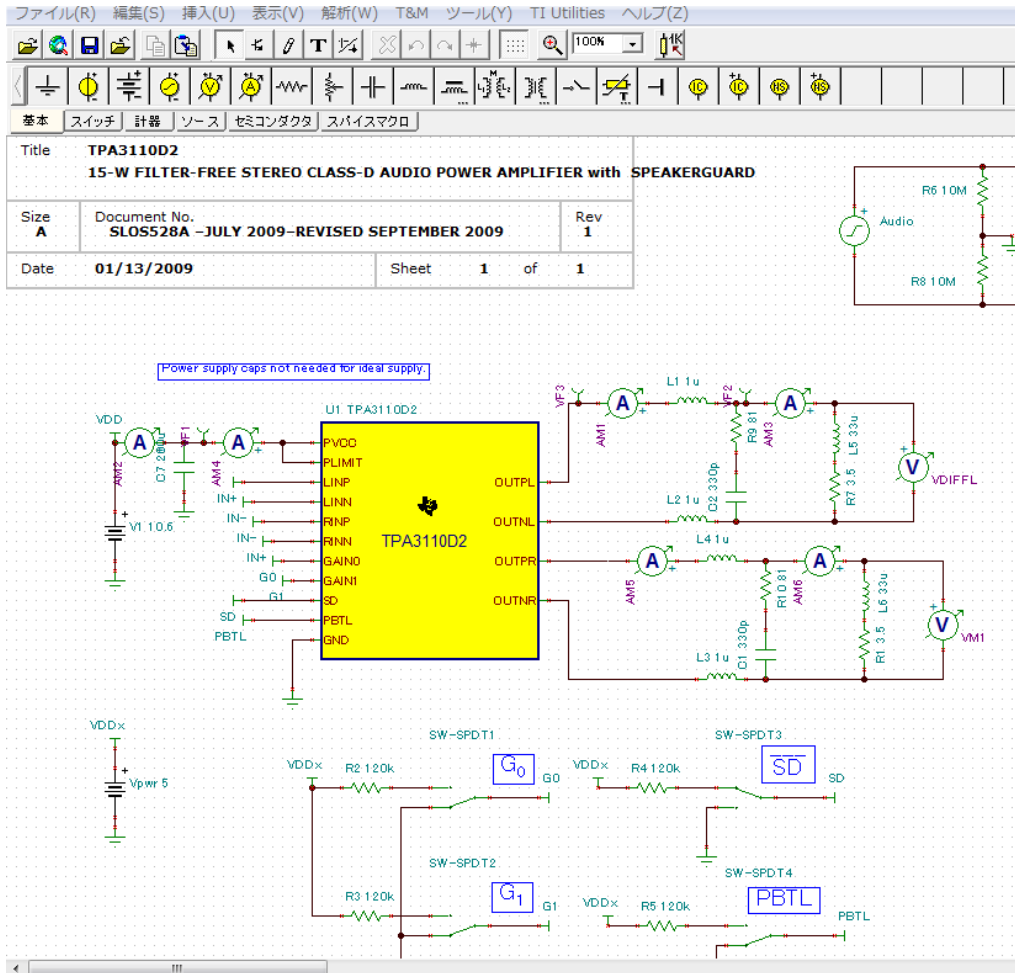


OUTL and OUTR is same condition.

So this device output following wattage.

$$W_{out(all)} = 1.059[A] * 1.059[A] * 3.5[\Omega] * 2 \doteq 7.85 [W]$$

$$AM2 = I_{in(RMS)} = 1.425 [A]$$



テキスト

Starting time: 15.00m
 Ending time: 20.00m
 平均値: -0.804
 絶対平均値: 0.004
 実効値 (RMS): 1.425

$$W_{in} = 10.6[V] * 1.425[A] \doteq 15.1 [W]$$

$$W_{\text{out}}(\text{all}) = 1.059[\text{A}] * 1.059[\text{A}] * 3.5[\Omega] * 2 \doteq 7.85 [\text{W}]$$

$$W_{\text{in}} = 10.6[\text{V}] * 1.425[\text{A}] \doteq 15.1 [\text{W}]$$

$$\text{Efficiency} = W_{\text{out}} / W_{\text{in}} * 100 \doteq 52 [\%]$$

Is this correct? Is my thinking wrong?

I think that this efficiency conclusion is too low...