Circuit Diagram
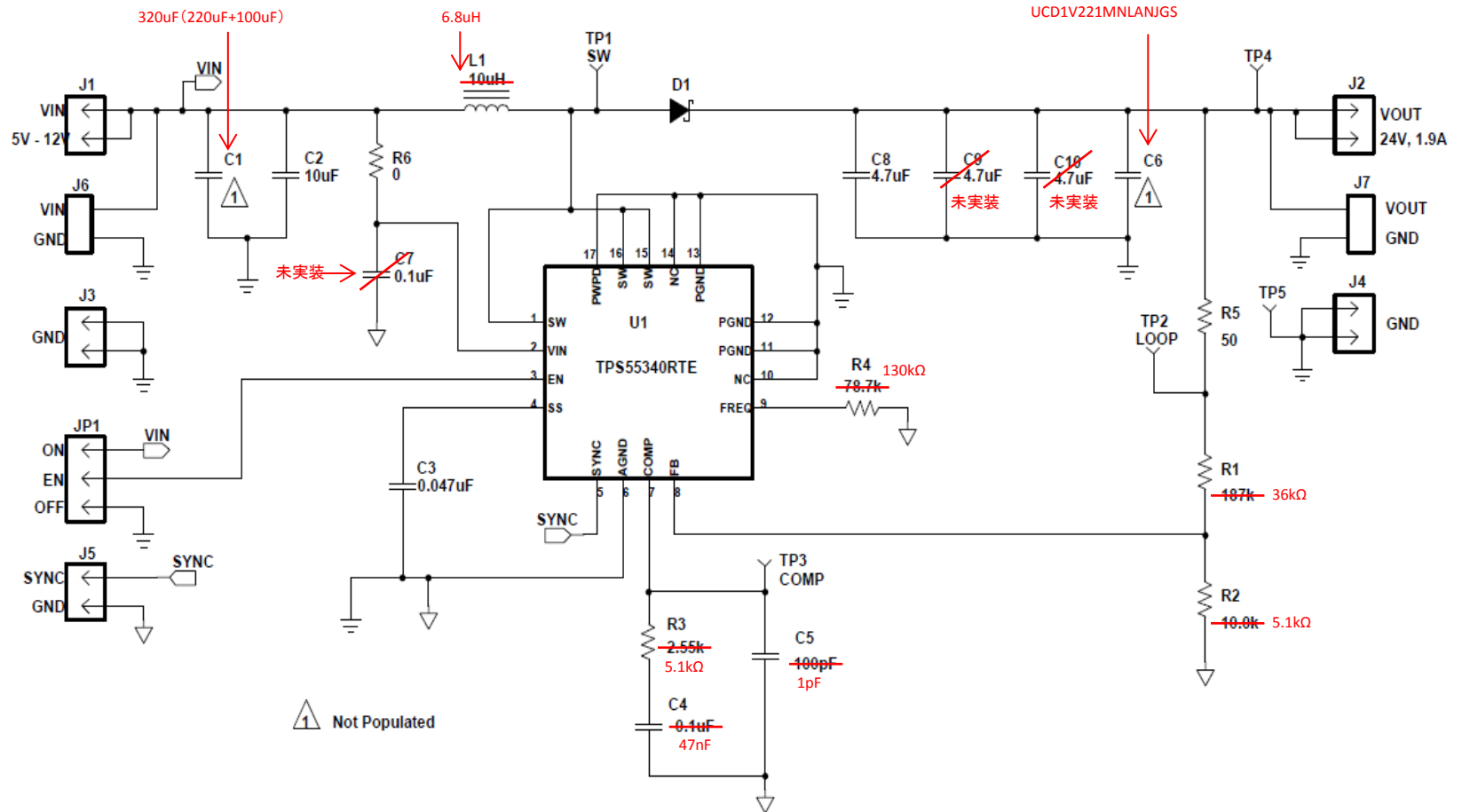

Figure 22. TPS55340EVM-017 Schematic
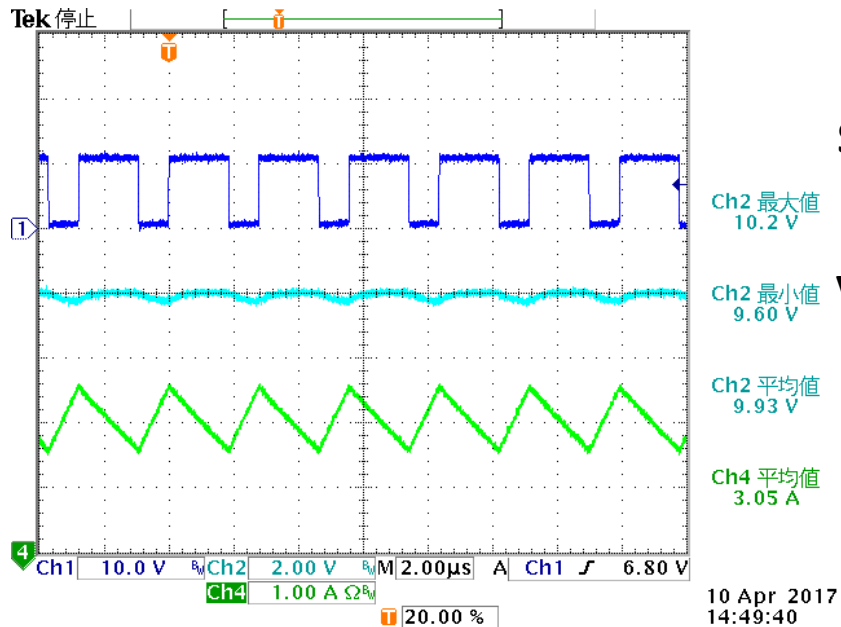
Measurement Condition

Vin = 7V, Vout = 10V, Iout = 2A, Ta = room temp

Waveform

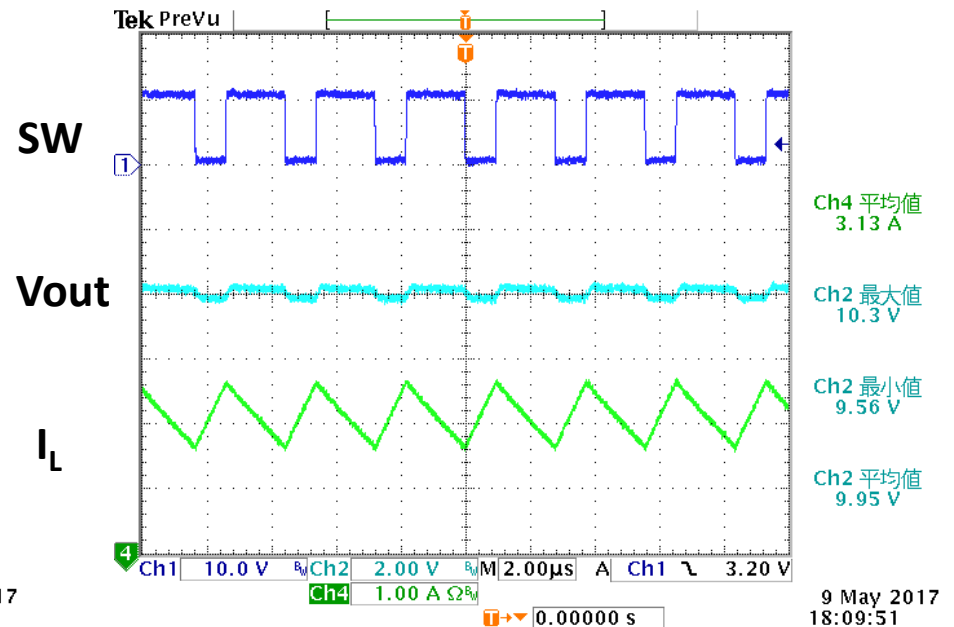## Could you teach me about Vout waveform at C8=1.0uF?

C8=4.7uF

C8=1.0uF

SW

Vout

I_L

When I changed C8 to 1uF, Vout waveform changed.
The waveform changed to like square wave.
I cannot understand the principle of this square wave of Vout.
Is this waveform correct operation or not?
If this is correct operation, what principle make this waveform.