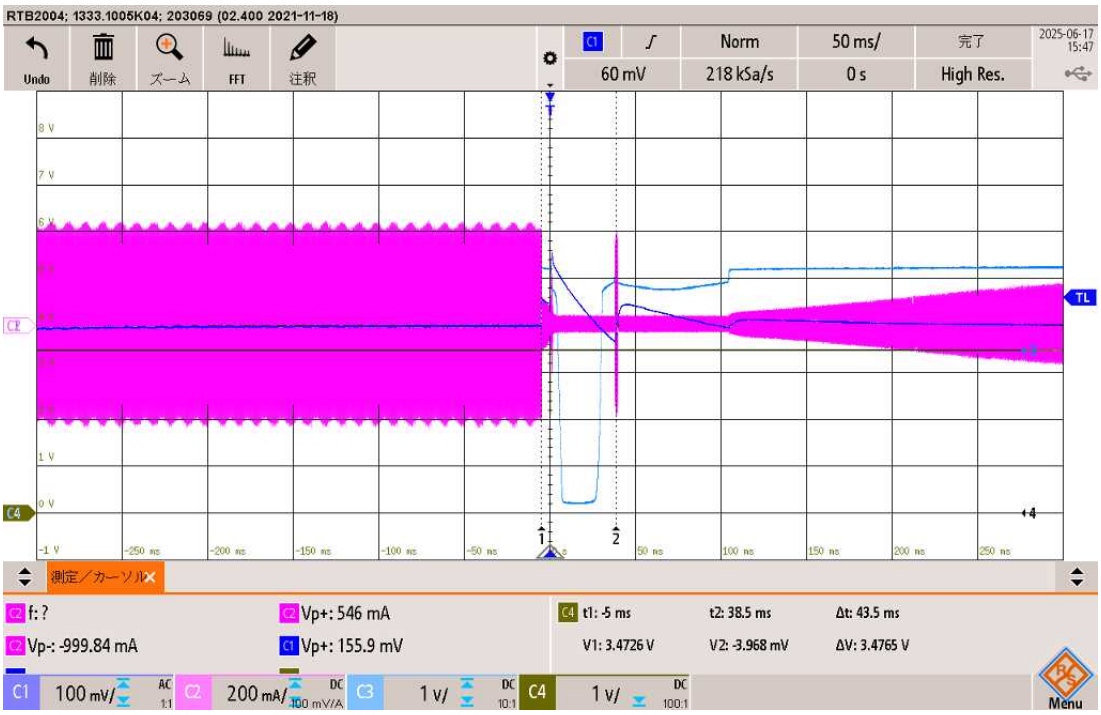
<SS pin voltage observation>

Measurement conditions: Input_AC100V, Output_5V10A⇒0A (during transient fluctuation), 24V0A (no load)

1. waveform 1 (50ms/div)

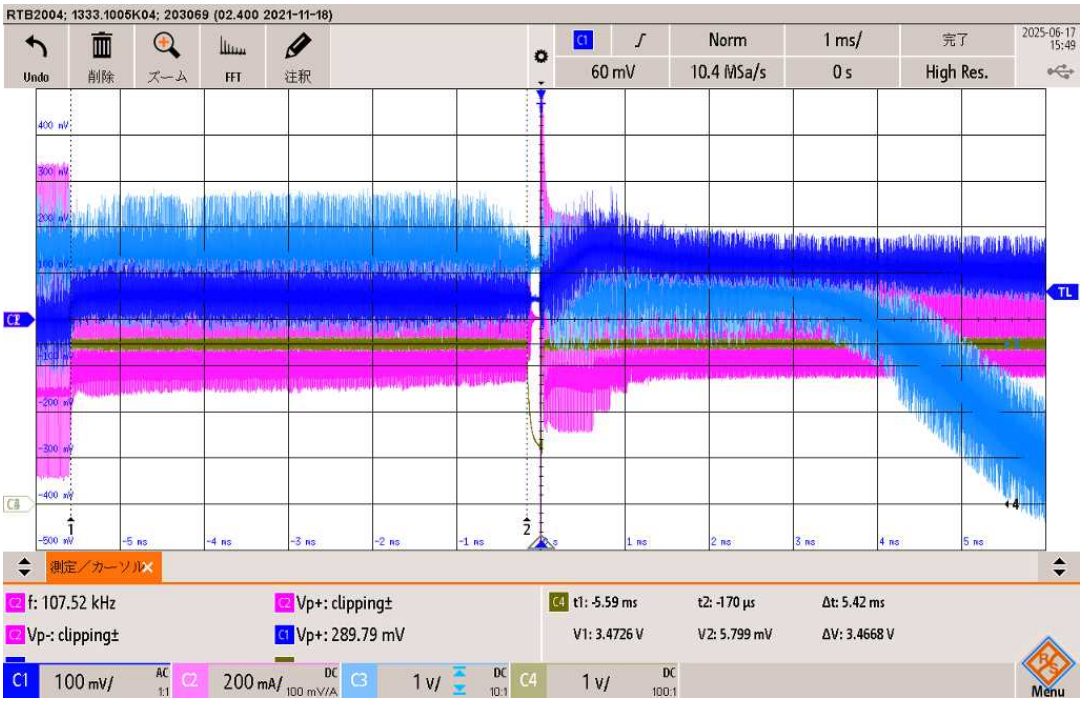
Due to the burst occurrence, the 5V output has an overshoot peak voltage exceeding 150mV.



C1: 5Vout [100mV/div], C2: T1 primary current [200mA/div], C3: FB pin voltage [1V/div], C4: SS pin voltage [1V/div]

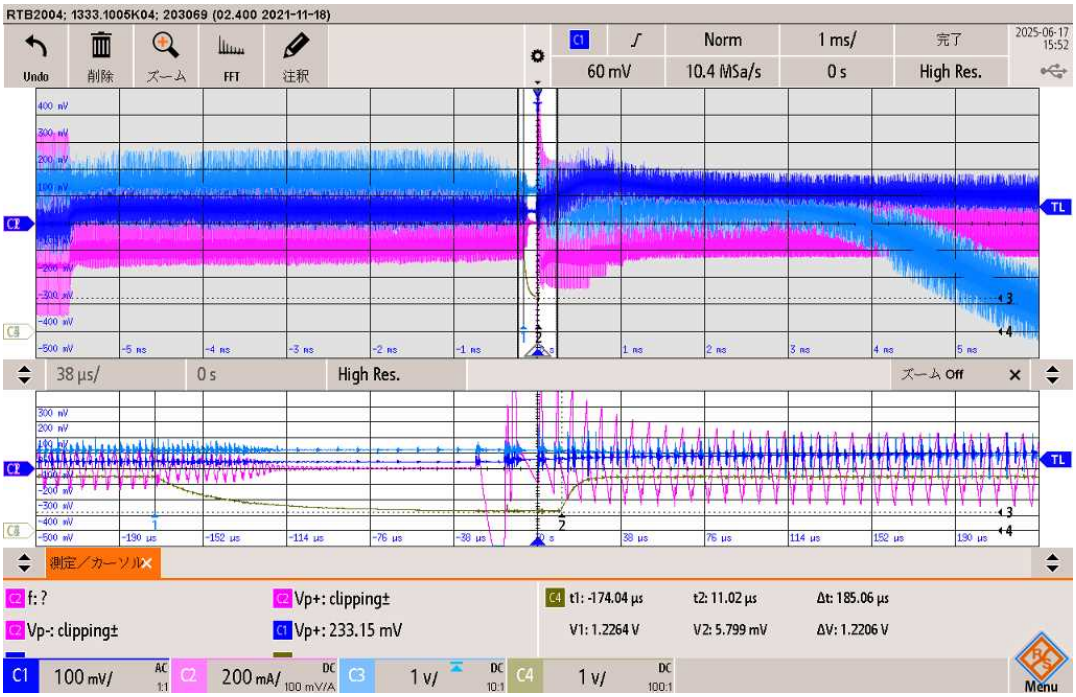
2. waveform2 (1ms/div)

Waveform 1 was measured again. A momentary drop in the SS pin voltage was observed in the enlarged measurement when a burst occurred.



3. Waveform 3 - Enlarged waveform of waveform 2 (1ms/div, 38 μ sec/div)

The voltage drop on the SS pin lasts for about 185 μ sec. The measured voltage drop Is about1.22V.



4. Waveform 4 - 5V output and SS pin voltage waveform when no burst occurs (5ms/div, 500 μ sec/div)

If no burst occurs, the 5V output overshoot is less than 100mV,

and the SS pin voltage does not drop.

However, the FB pin voltage is temporarily pulled down to near 0V by the control response from the secondary side.