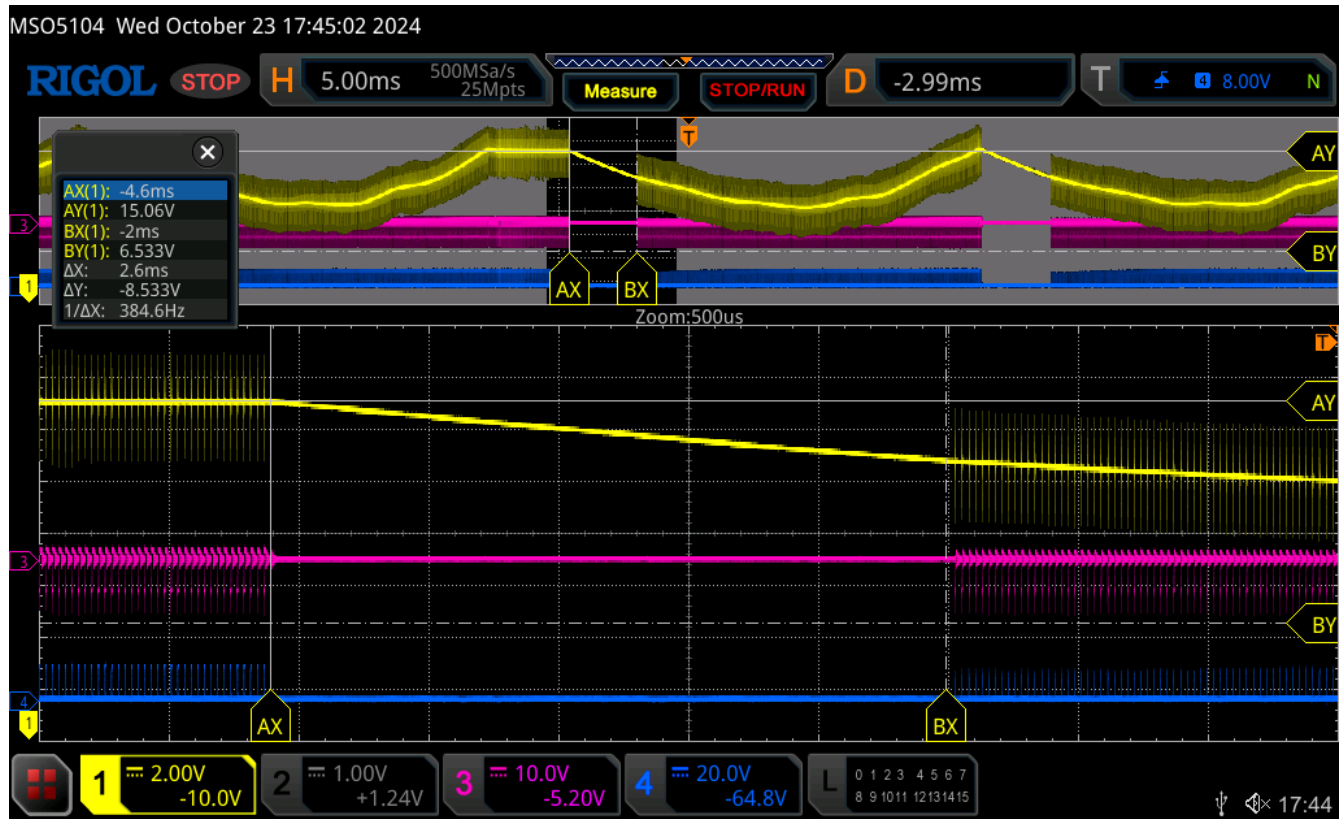


Apparent recurring soft start

Yellow trace is output SAUX+

Red trace is Bias winding feeding PAUX

Blue trace is gate voltage for Q2



Without obvious reason (the output voltage is at the desired level ~15V) a 2.6ms pause is initiated followed by a period of reduced duty cycle gate pulses.

The reduced width of gate drive can not sustain the output voltage that therefore drop even the converter has started working again (hence the theory of soft starting being involved).

After restoring voltage at desired level only a variable (but short) period elapses before the cycle repeats.

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