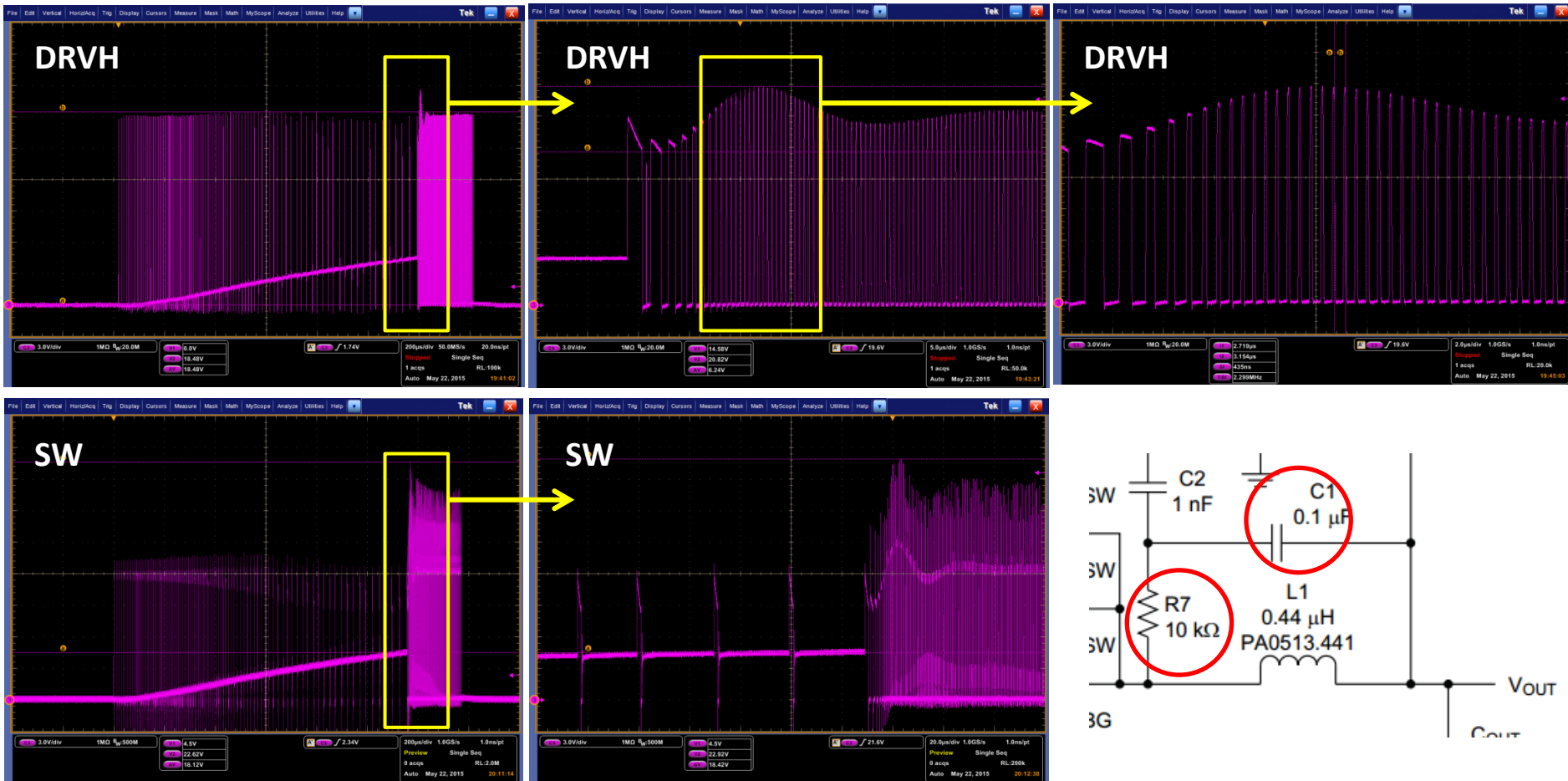# TPS53219A / Start up issue due to improper ripple injection



**[Situation]**
- The switching is stopped during startup.
- The switching frequency is approx. 2MHz before stopping switching.
- This behavior is resolved by resoldering ripple injection component R7 and C1.

**[Question]**
- Is this operation expected due to opened or shorted R7 or C1?
- Can you explain the reason (mechanism) of 2MHz switching before stopping operation?