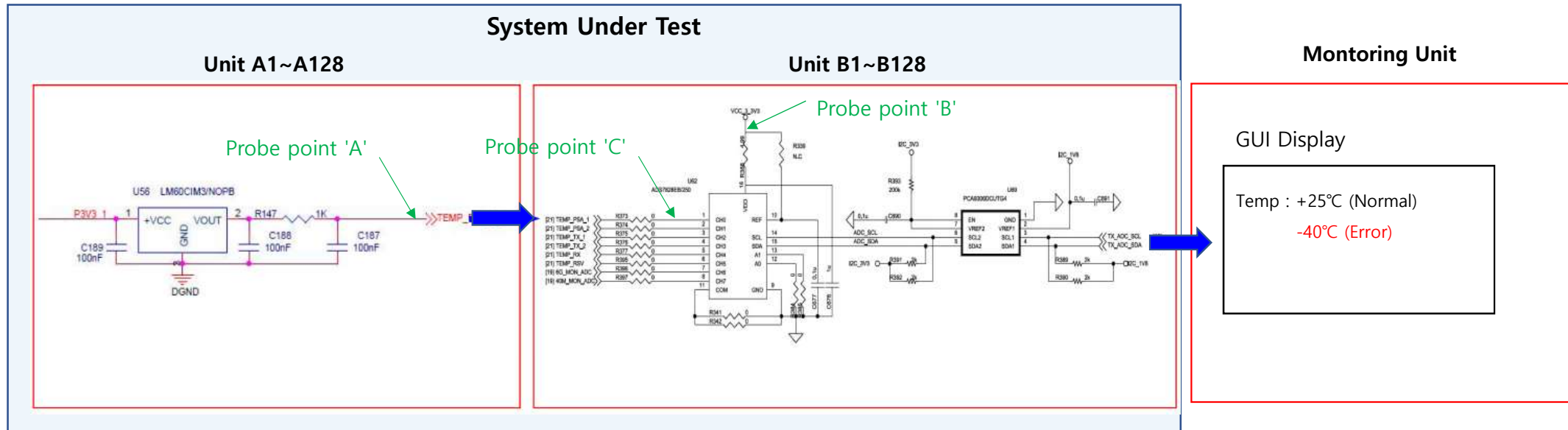


● Voltage waveforms measurement under abnormal temperature indications

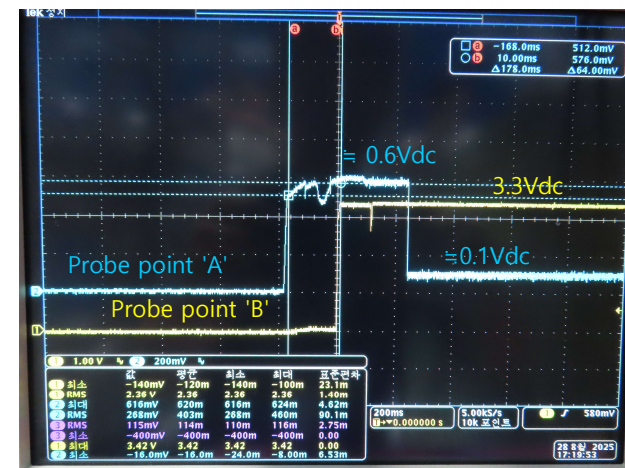


► Initial LM60CIM output and ADS7828 Vdd power-up waveforms during abnormal temperature indication

- The LM60CIM output is applied approximately 178 ms earlier than the ADS7828 Vdd.
- An abnormal temperature is displayed on the GUI approximately 240 ms after the ADS7828 Vdd is applied.

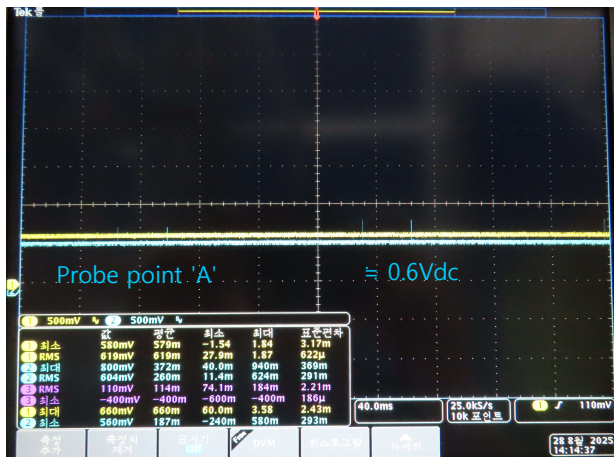
Question 1 >

Could applying voltage to the ADS7828 analog pin before Vdd be the cause of the previously mentioned abnormal temperature indication?

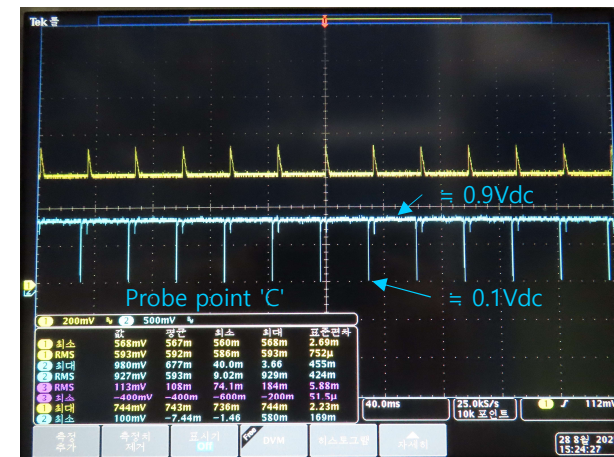


- ▶ In the abnormal temperature indication state, **disconnect Points A and C** and measure the LM60CIM output and ADS7828 analog input waveforms respectively.

- The LM60CIM output was measured at 0.6 V, corresponding to the normal sensed temperature of 25 °C.



- Voltage waveform of the ADS7828 analog input pin (Measured waveforms when the LM60CIM output is physically disconnected from the ADS7828 analog input pin during abnormal temperature indication)



Question 2 >

What is the cause of the ADS7828 analog input pin voltage periodically varying between 0.9 V and 0.1 V?