

# Scope shot 1

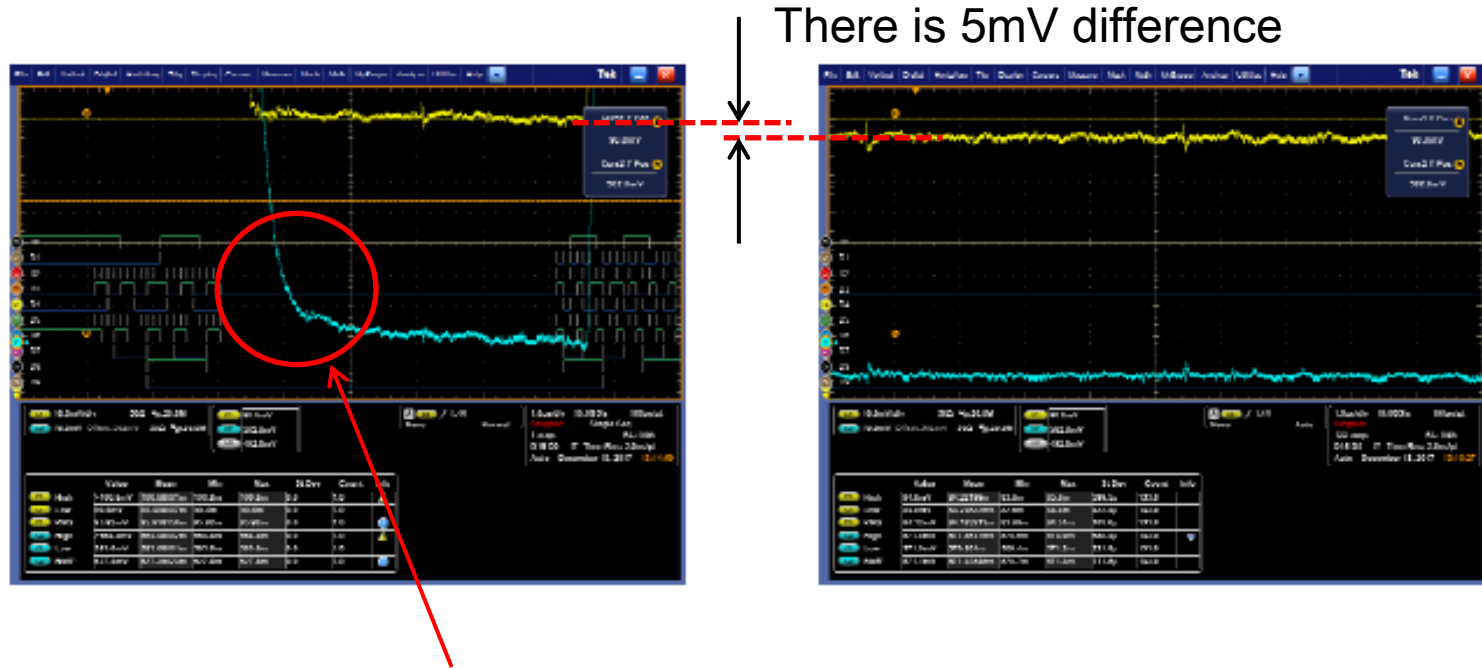
The left shot is step response from 2E5h(345mV) to 0B2h(82.4mV) and the right shot is DC.

Yellow line : DAC output

Blue line : Opamp output

fall time : 1.5us (program by the customer)

pulse width : 5us



This delay is due to time constant of  $C_f$ ,  $R_f$  of the Opamp. So, it is no problem.

## Scope shot 2

The left shot is step response from 0B2h(82.4mV) to 3FFh(474mV) and the right shot is DC.

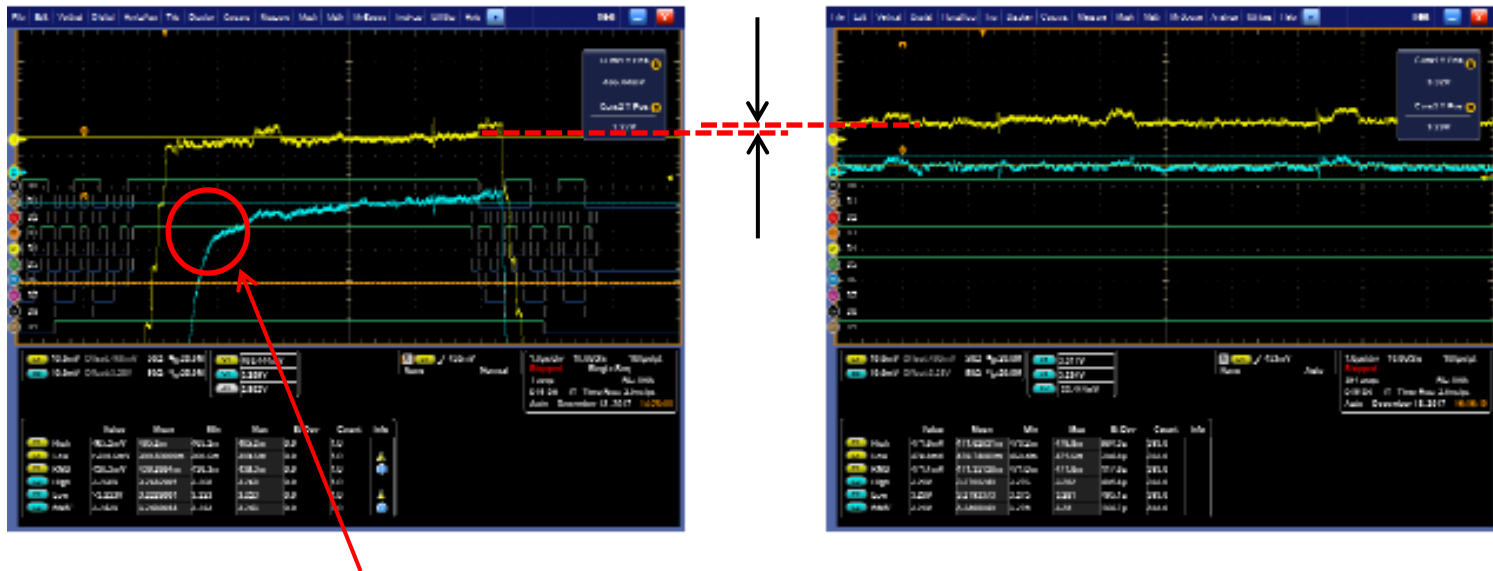
Yellow line : DAC output

Blue line : Opamp output

rise time : 1.5us (program by the customer)

pulse width : 5us

There is 5mV difference



This delay is due to time constant of  $C_f$ ,  $R_f$  of the Opamp. So, it is no problem.