

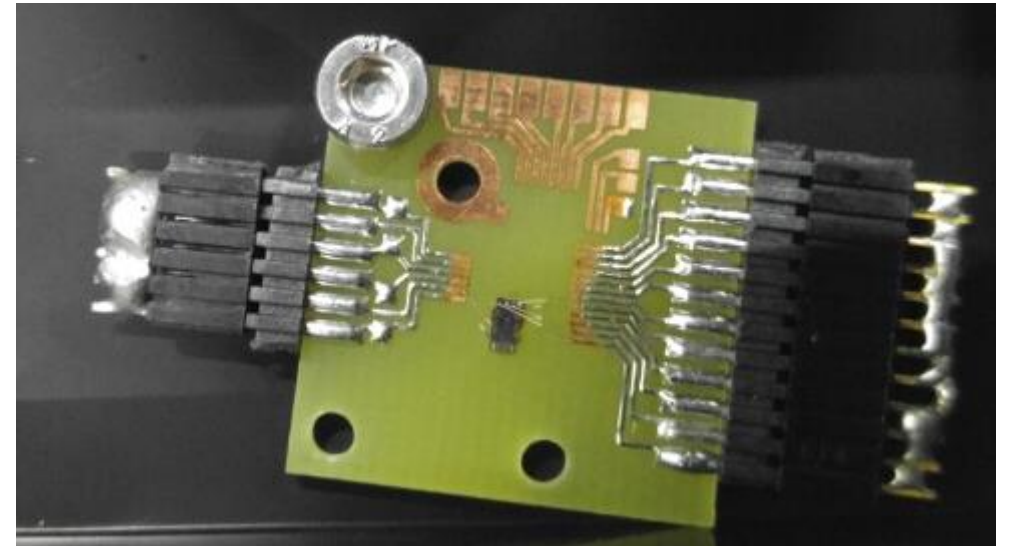
Weekly Report

2018-09-03

Kim, Hanbeom

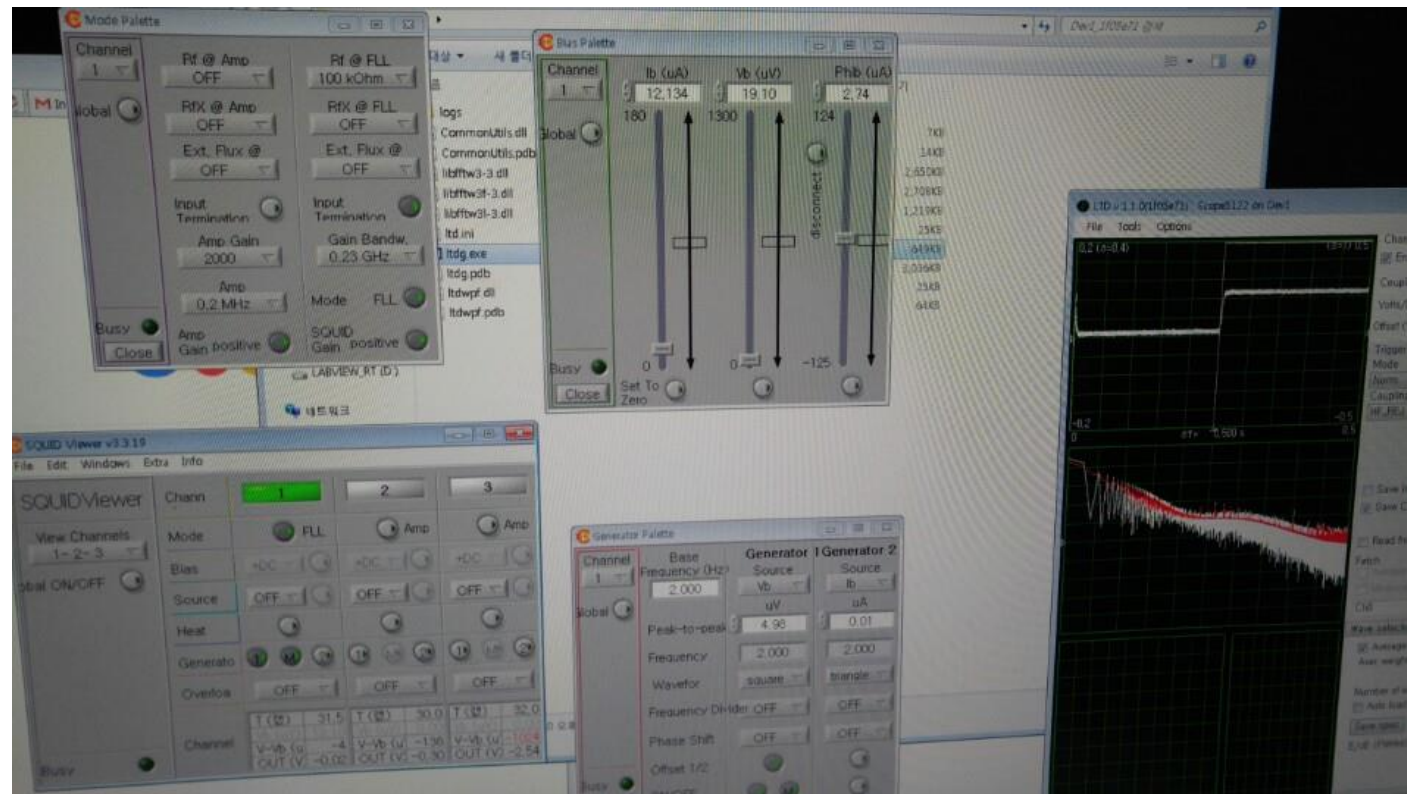
SQUID Test

- Supracon Type 1 CE1K2S
 - “Jena”
- Sep. 18th~19th: SQUID chip making
 - Soldering
 - SQUID attachment – GE varnish
 - Wiring



SQUID Test

- Sep. 20th~21st: 4K Dipping Test
- Program: SQUID Viewer, LTD



SQUID Test

- Sep. 20th~21st: 4K Dipping Test
- Measured:
 - Resistances (Room Temp./ 4K)
 - Critical Current I_c
 - Bias Current/Voltage I_b , V_b
 - ...
- Need to be analyzed
 - Input/Feedback Coupling M_{IN} , M_F
 - ...



4K Probe



4K He Dewar

SQUID Test

- 10 SQUIDs have been tested.
 - #2018-09~#2018-18
 - 2 malfunctions – high rate defective (#12, #13)

Others

- Superconducting shield mockup delivered
 - Assembly in plan
- RODY alpha signal detection
 - 8/28 GHS (Gas Handling System) stopped
 - 9/1 PTR (Pulse Tube Refrigerator) shutdown

