

FET HEATER and T SENSE:

1. Test setup and preparations:
 - FET temperature and Temp. Sense are monitored from the Mux. Outputs on the front panel and at the Aux. Output on the Breakout Box(BOB).
 - A potentiometer mounted in the BOB will provide the temperature input.
 - set mux 1 to monitor LED V MON *Mux1(fetTemp)*
 - set mux 2 to monitor LED I MON *Mux2(Tsense)*

2. **Power up settings:**

3. **Test preparation settings:**

4. **Test procedure for heater current :**

- Adjust R378 for a measurement of 1 volt on the wiper
- Set Mux 1 to monitor FET HTR *Mux1(fetHtr)*
- Connect 1k Ω load to Aux. Output on BOB with selector set to FET Heater
- Set front panel selector switch to High I and record Mux reading

High I reading: _____

- Set selector switch to Low I.
- Vary Low I adjustment potentiometer over its range and record minimum and maximum output voltages

Low I readings:

Minimum _____

Maximum _____

5. **FET HEATER and T Sense test:**

- While monitoring the outputs vary the potentiometer on BOB and record the measurements.

<u>FET Temp</u>	<u>T sense</u>