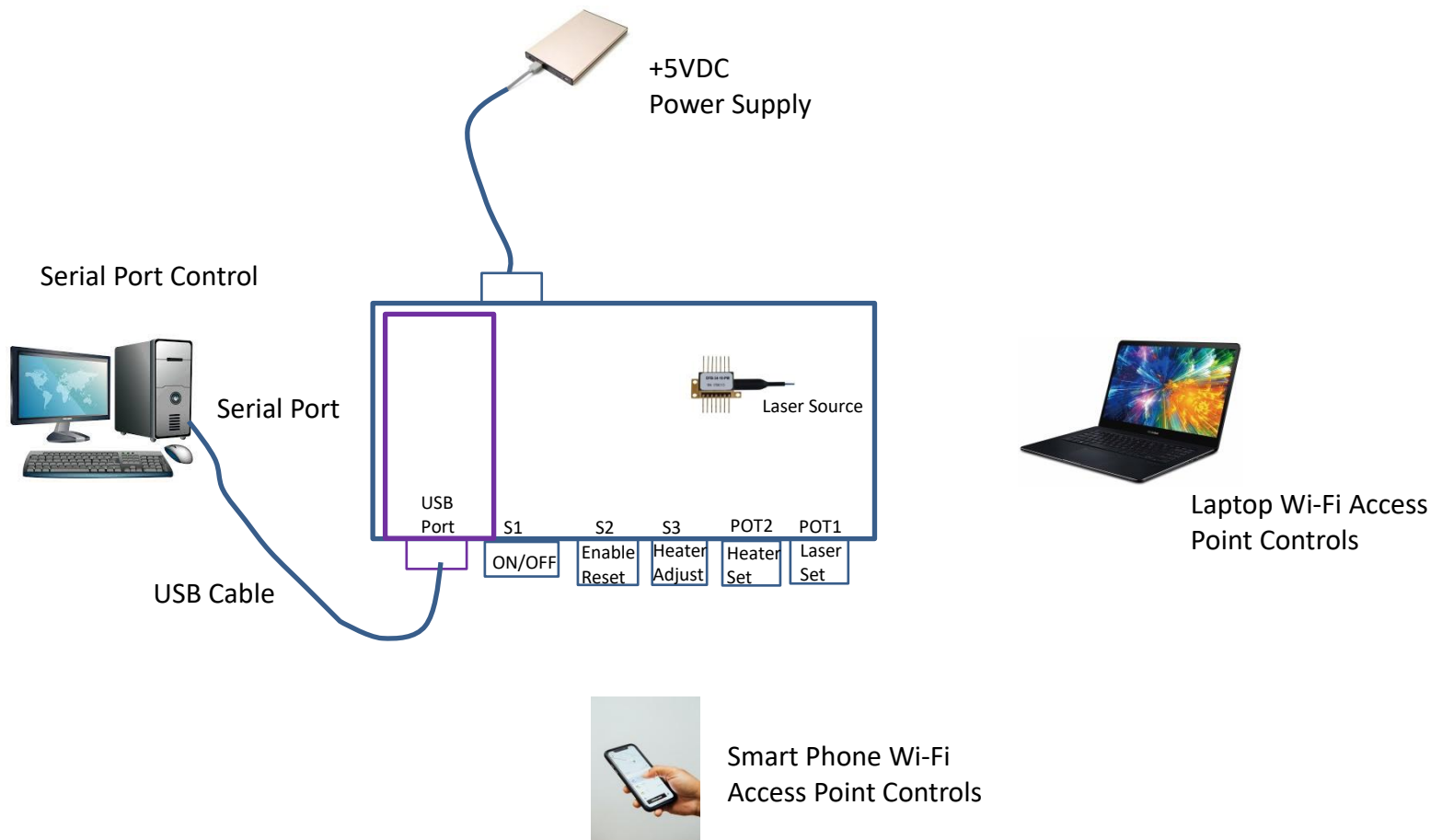

Operation Notes for PL530 Laser Module PL530EK

(Rev. 7-5-25)

1. Refer to the included **Panel Layout** drawing for the operation functions of the module.
2. Connect a +5VDC power supply to the power jack.
3. Slide the **ON/OFF** switch to **ON** position to turn on the power. The **Temp Good** LED will flash between **red** and **green**; wait a few seconds for the LED to turn completely **green**.
4. Once the **Temp Good** LED remains **green**, press the **Laser Enable** pushbutton switch to active the laser. The **Laser Enable** LED will change from **red** to **green**.
5. The green laser beam will emit from the small window. **Do not look directly into the window while the power is on.**
6. The laser power can reach to over **50 mW** when shipped, but it may decrease over time.
7. To adjust the laser power output beyond the default settings, users can modify the laser and heater potentiometers. **Heater current significantly affects the power output.**
8. The default settings are: laser current preset to **450 mA** (limited to **480 mA**), and heater current to **66 mA** (limited to **100 mA**) approximately.
9. Refer to the “**Operation Procedures for LHTK PL530 Laser Driver Board**” for complete operation instructions, including Serial Port and Wi-Fi Access Point Controls

10. The drawing below shows the module's three control modes:
Standalone, Serial Port, and Wi-Fi Access Point control



The Serial Port and Wi-Fi Access Point Controls