

Photo Documentation

Model Name: DepLife

Product Description: Through-wall imaging system

Applicant: MaXentric Technologies, LLC

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Manufacturer: MaXentric Technologies, LLC

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Contents

1.	Photo Documentation of the EUT.....	3
1.1.	Description of Assembly.....	3
1.2.	External views.....	3
1.3.	Internal Views.....	7
1.4.	Antennas	18
1.5.	Attachments	19

1. Photo Documentation of the EUT

1.1. Description of Assembly

The antenna board is mounted to the underside of a CNCed alluminum shield as shown in Figure 9. The main board is mounted to the frontside of the same CNCed shield then another shield is placed on top of it as shown in Figure 13 The u.fl antenna cable is looped through a ferrite core and secured to the shield. The antenna board, main board, and shields are secured inside one half of the case as shown in Figure 7. The battery pack is placed into the other half of the case and the power supply unit (PSU) is secured on top of it, holding the battery in place as shown in Figure 8.

1.2. External views

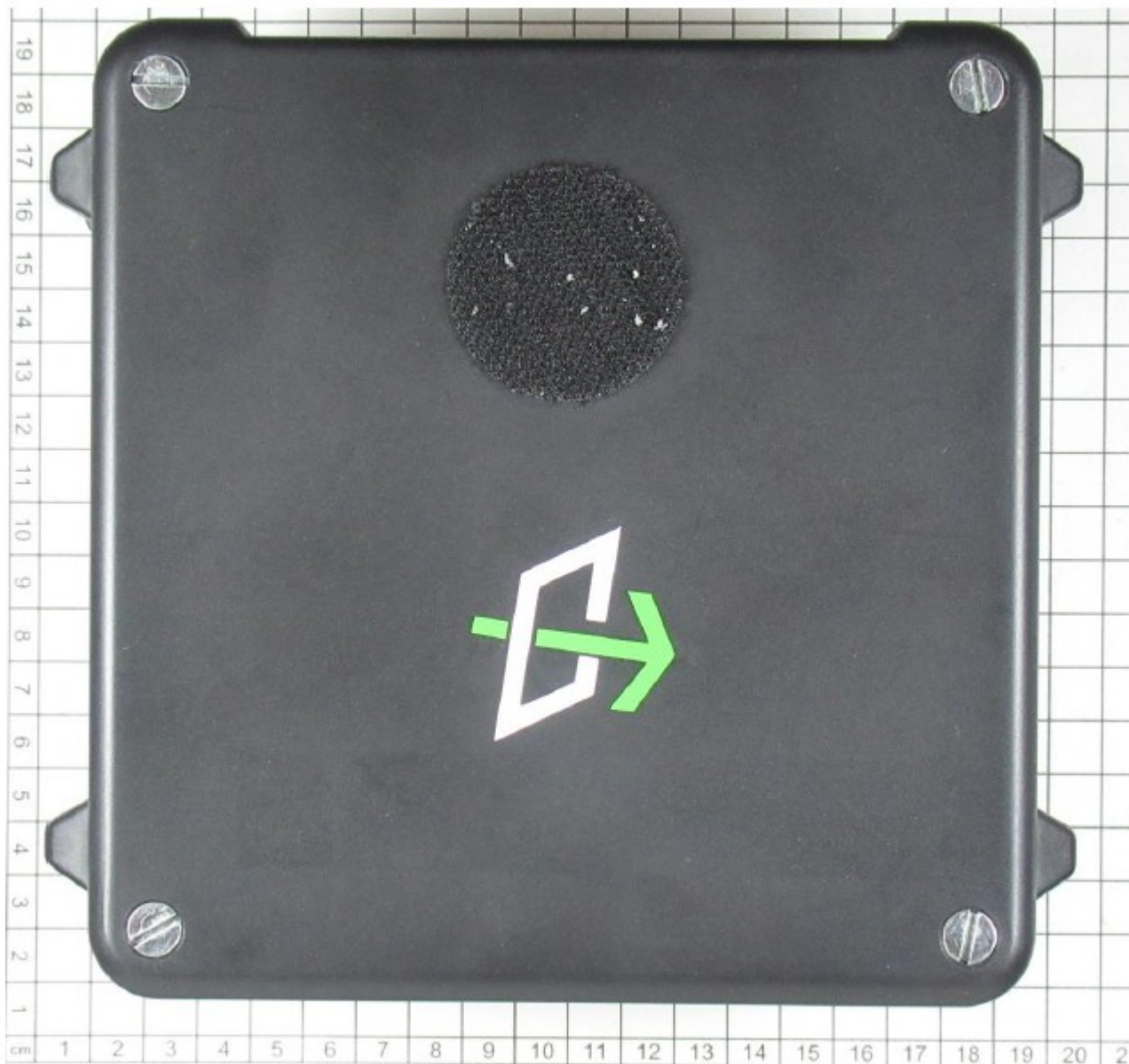


Figure 1: Backside External View



Figure 2: Frontside External View



Figure 3: Top External View



Figure 4: Left Side External View



Figure 5: Bottom External View



Figure 6: Right Side External View

1.3. Internal Views

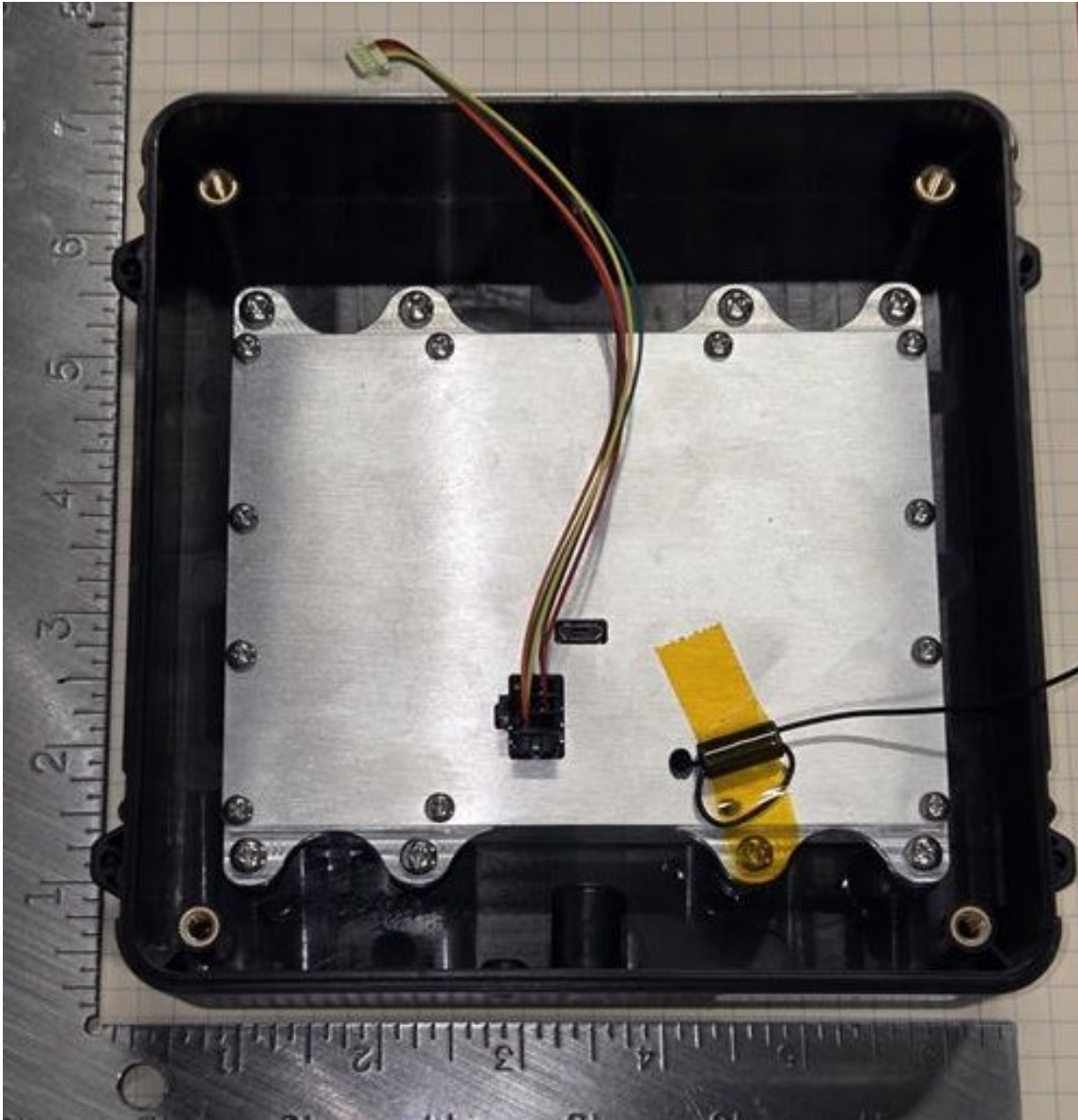


Figure 7: Front Half Internal View

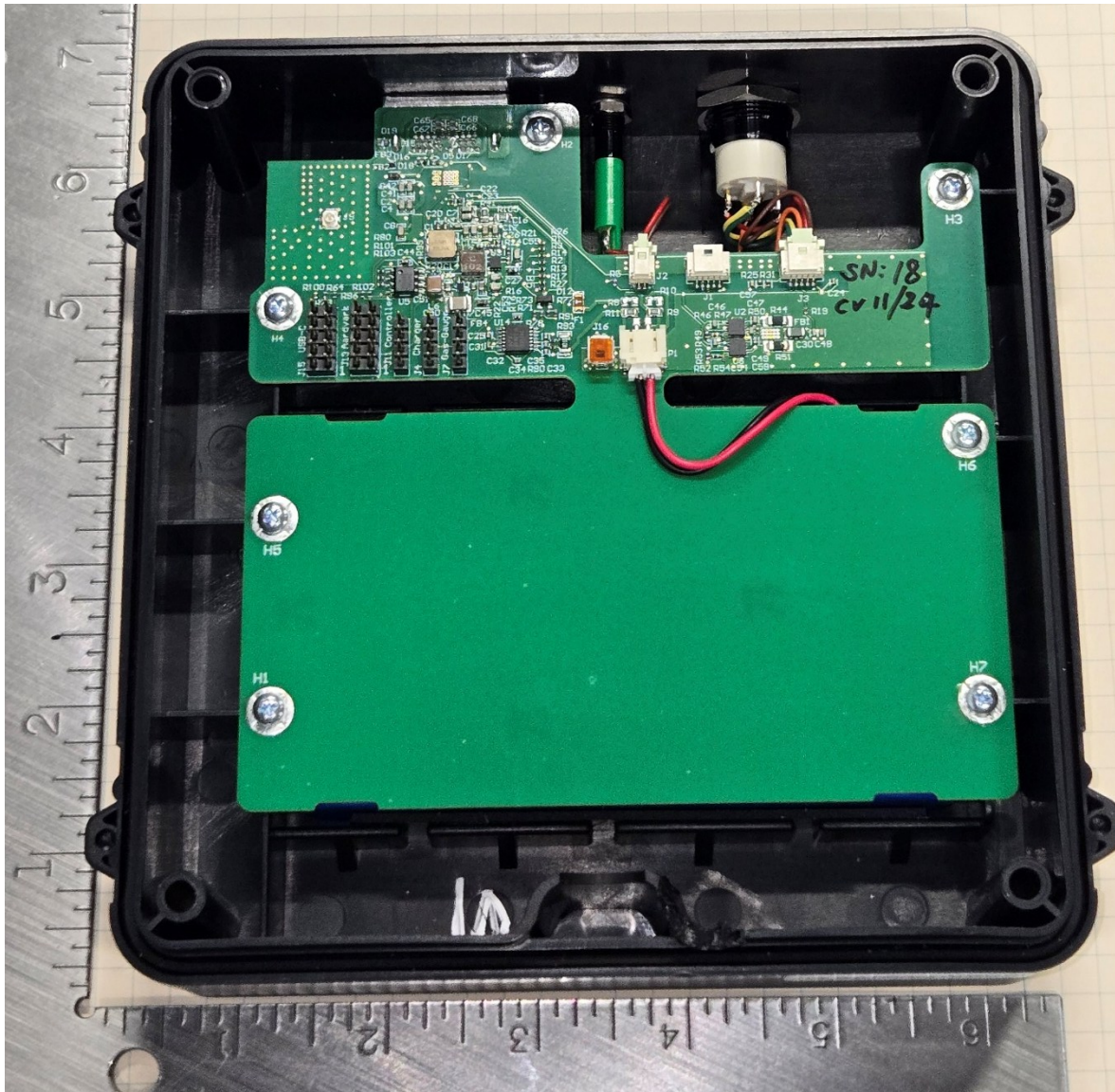


Figure 8: Back Half Internal View

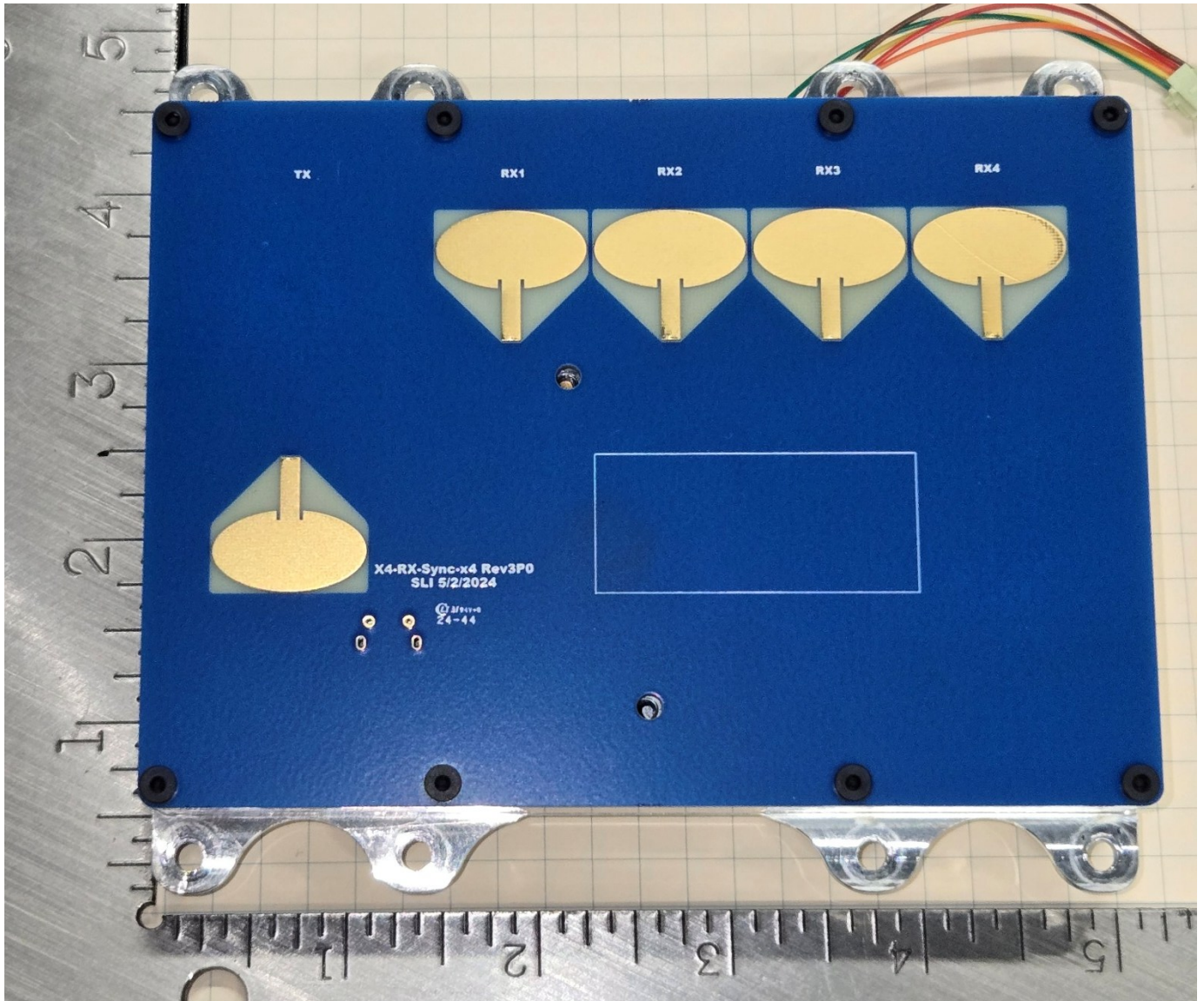


Figure 9: Antenna Board mounted to CNC Shield (higher quality image submitted in attachments)

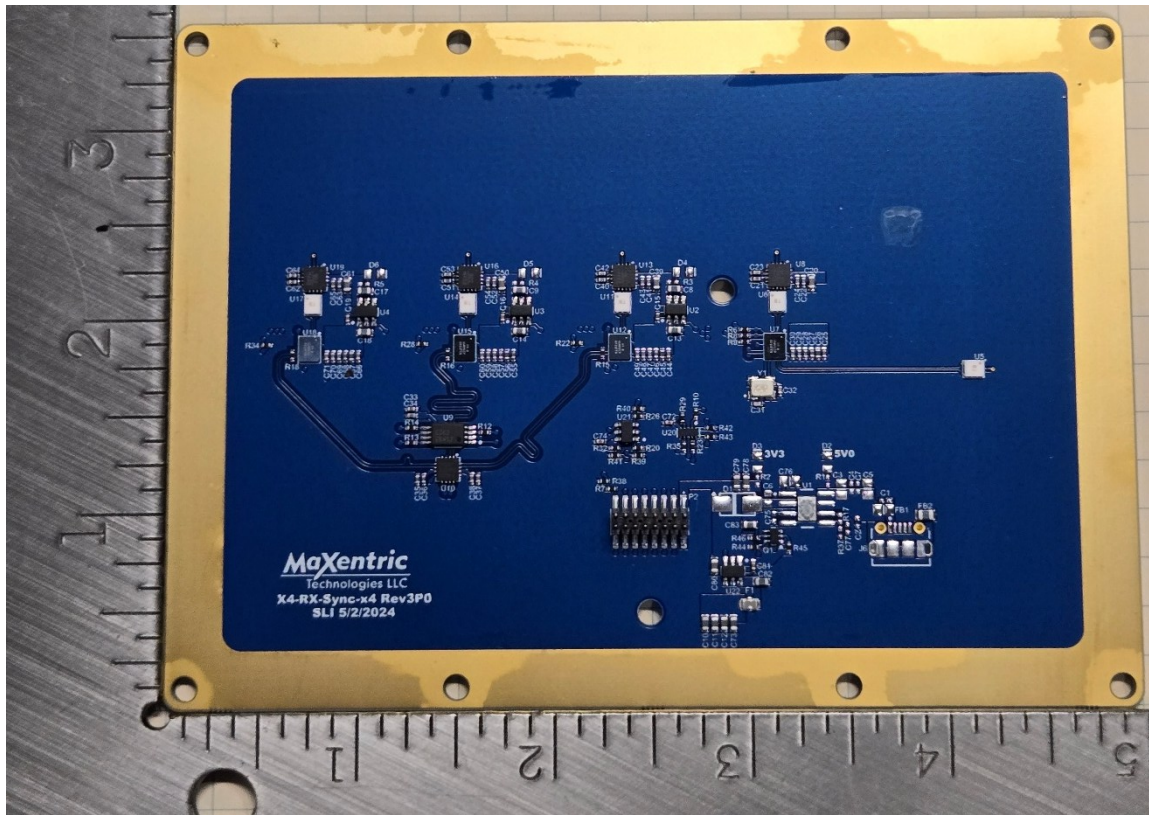


Figure 10: Backside of Antenna Board (higher quality image submitted in attachments)

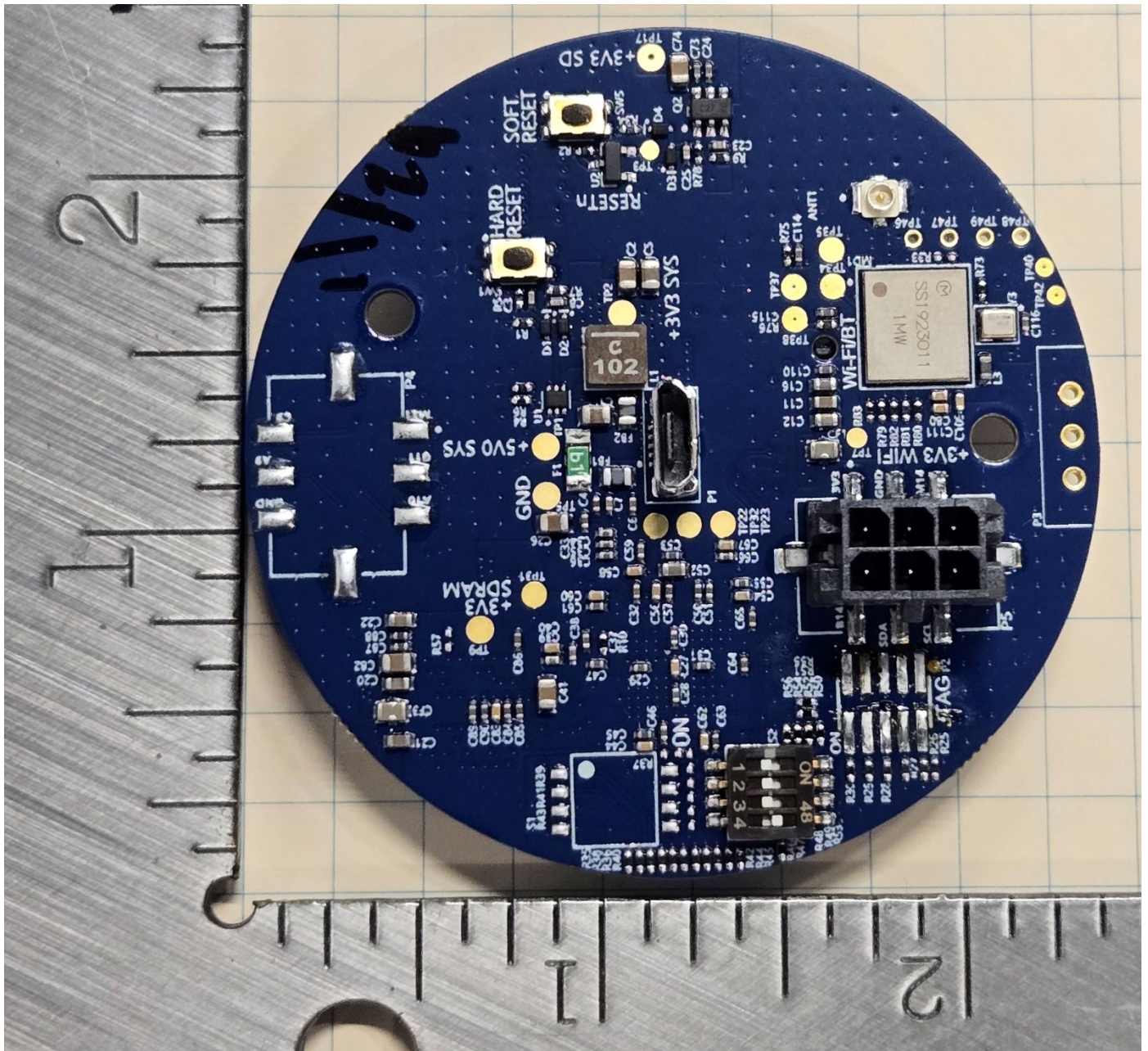


Figure 11: Backside of Main Board (higher quality image submitted in attachments)

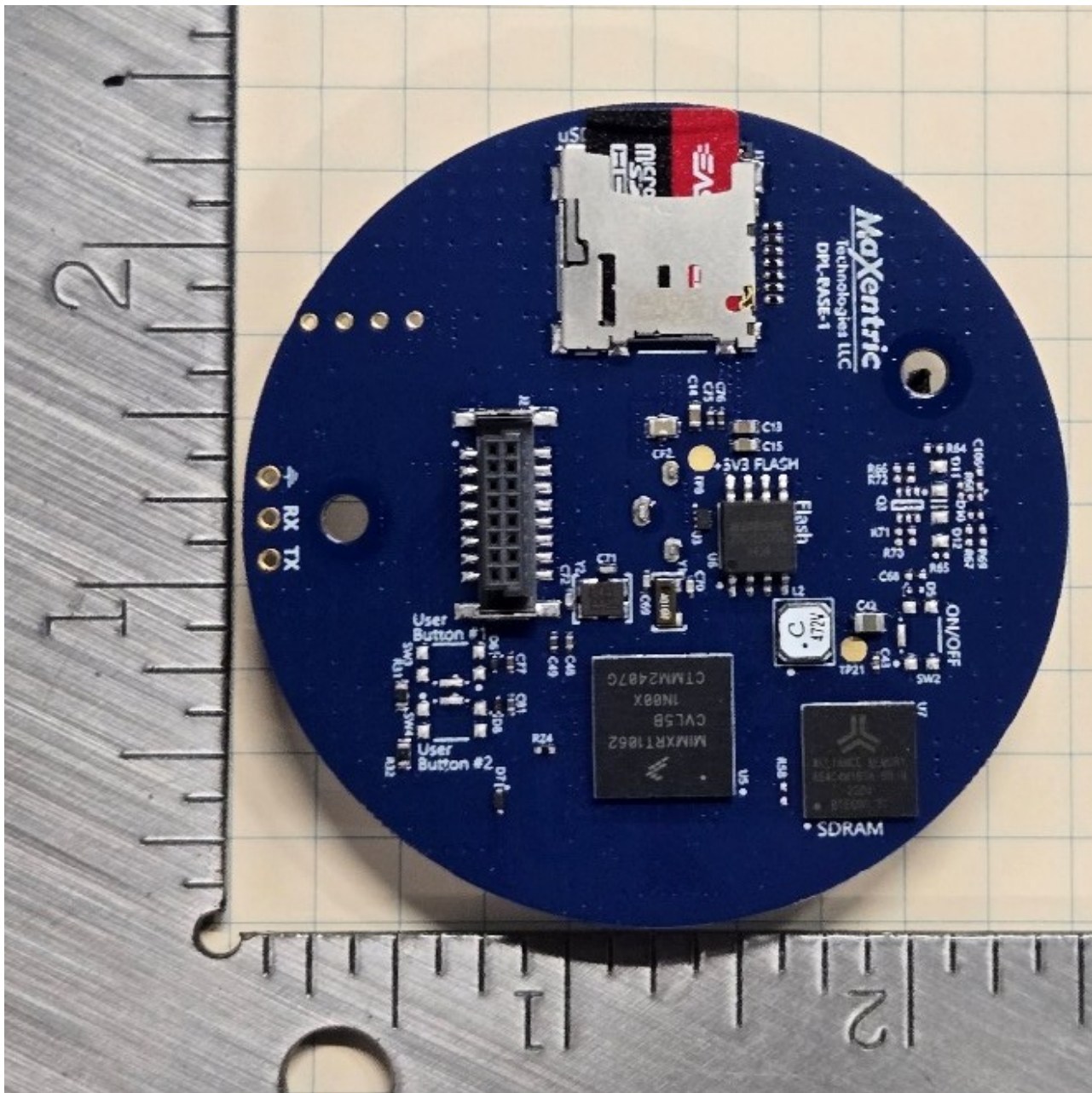


Figure 12: Frontside of Main Board (higher quality image submitted in attachments)

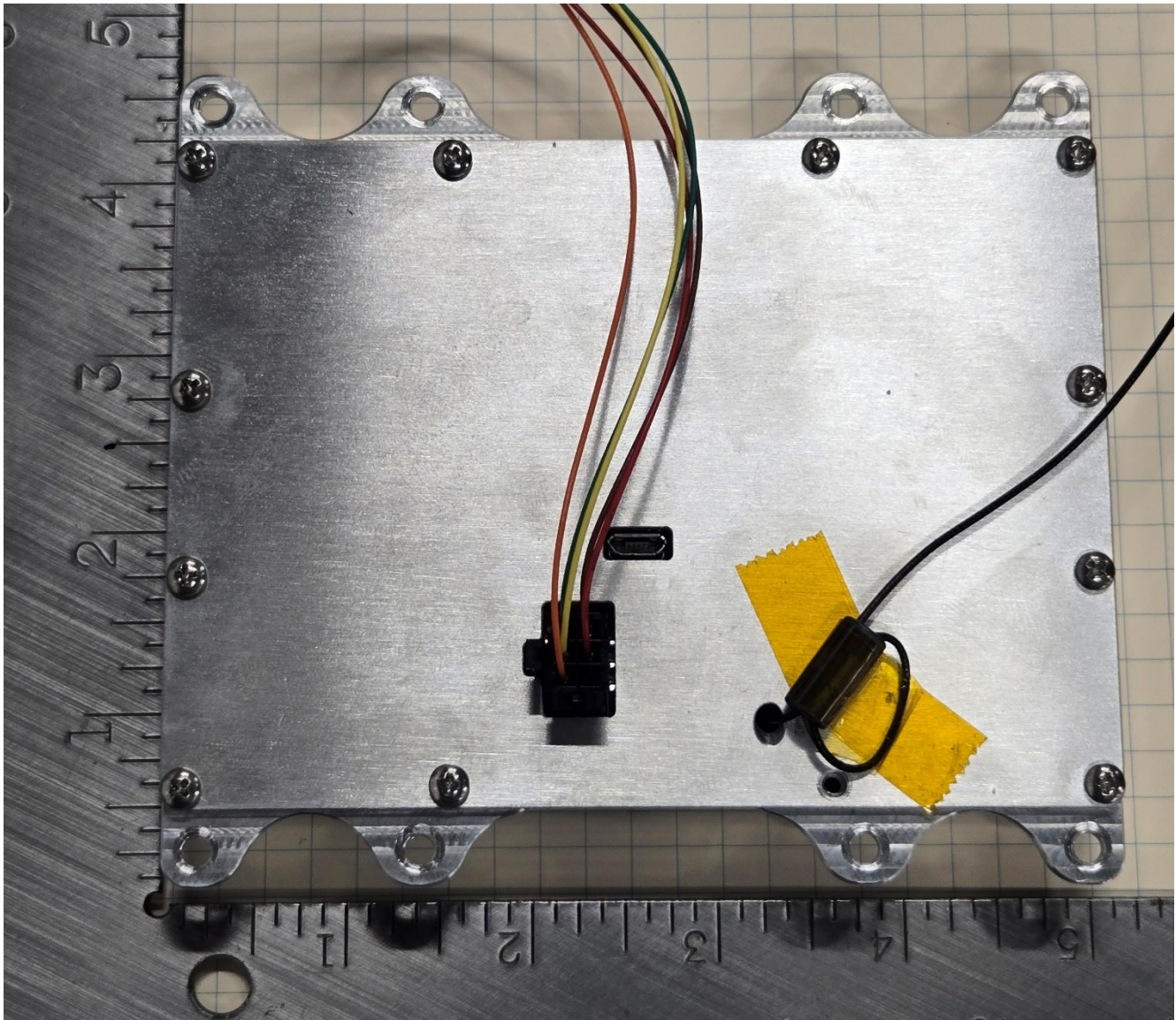


Figure 13: Main Board with Rear CNC Shield Installed

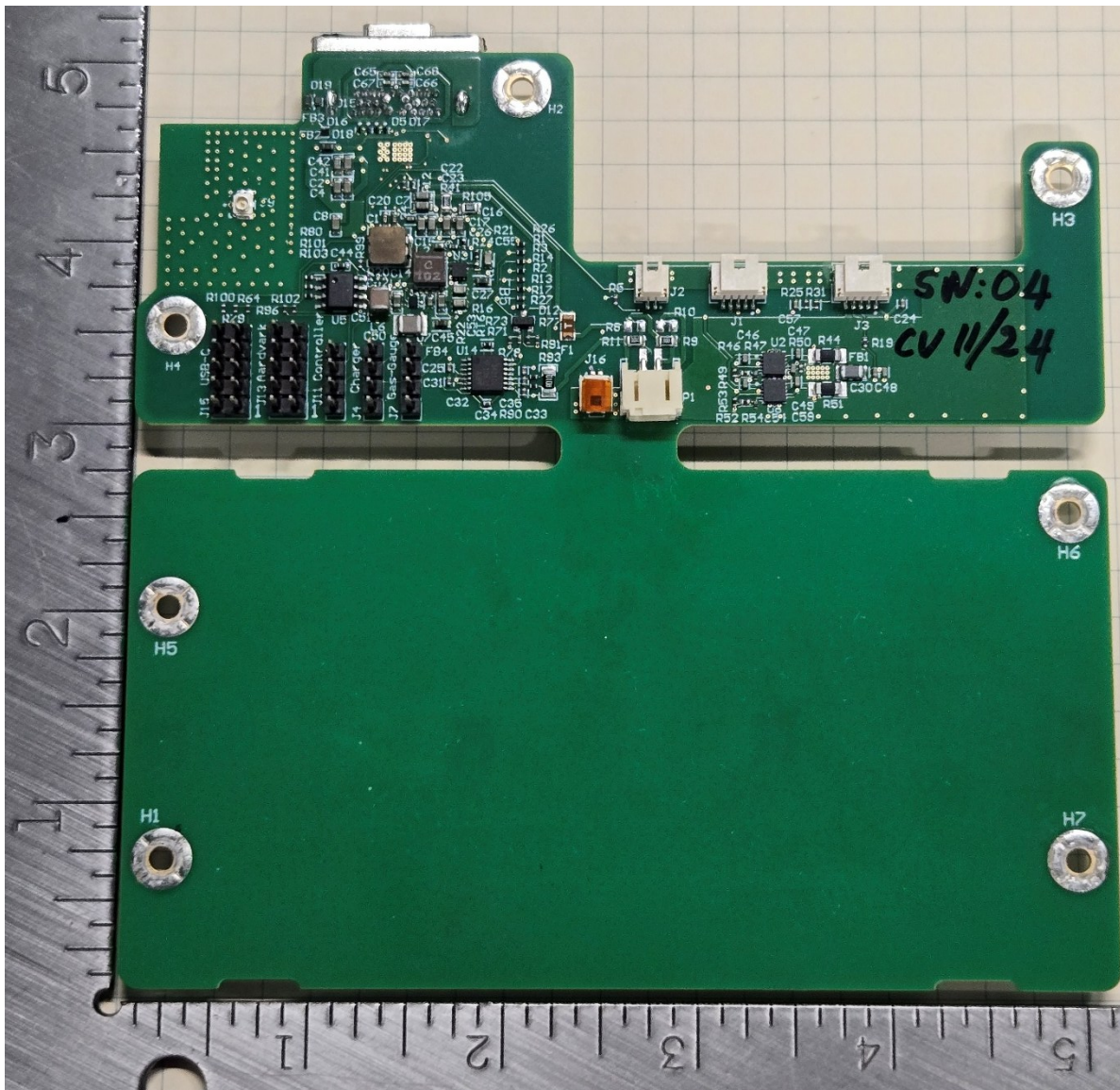


Figure 14: Backside of PSU Board (higher quality image submitted in attachments)

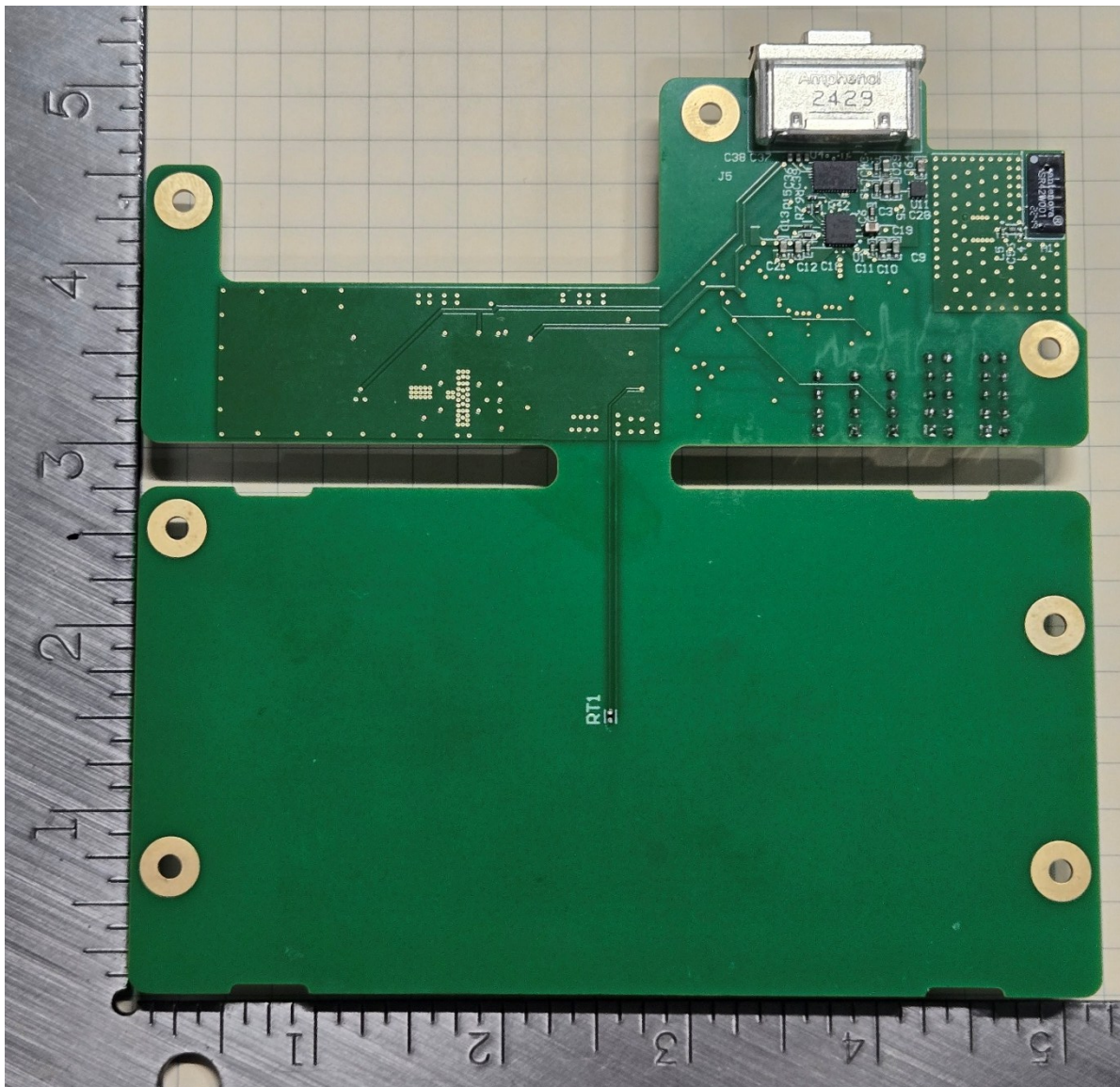


Figure 15: Frontside of PSU Board (higher quality image submitted in attachments)

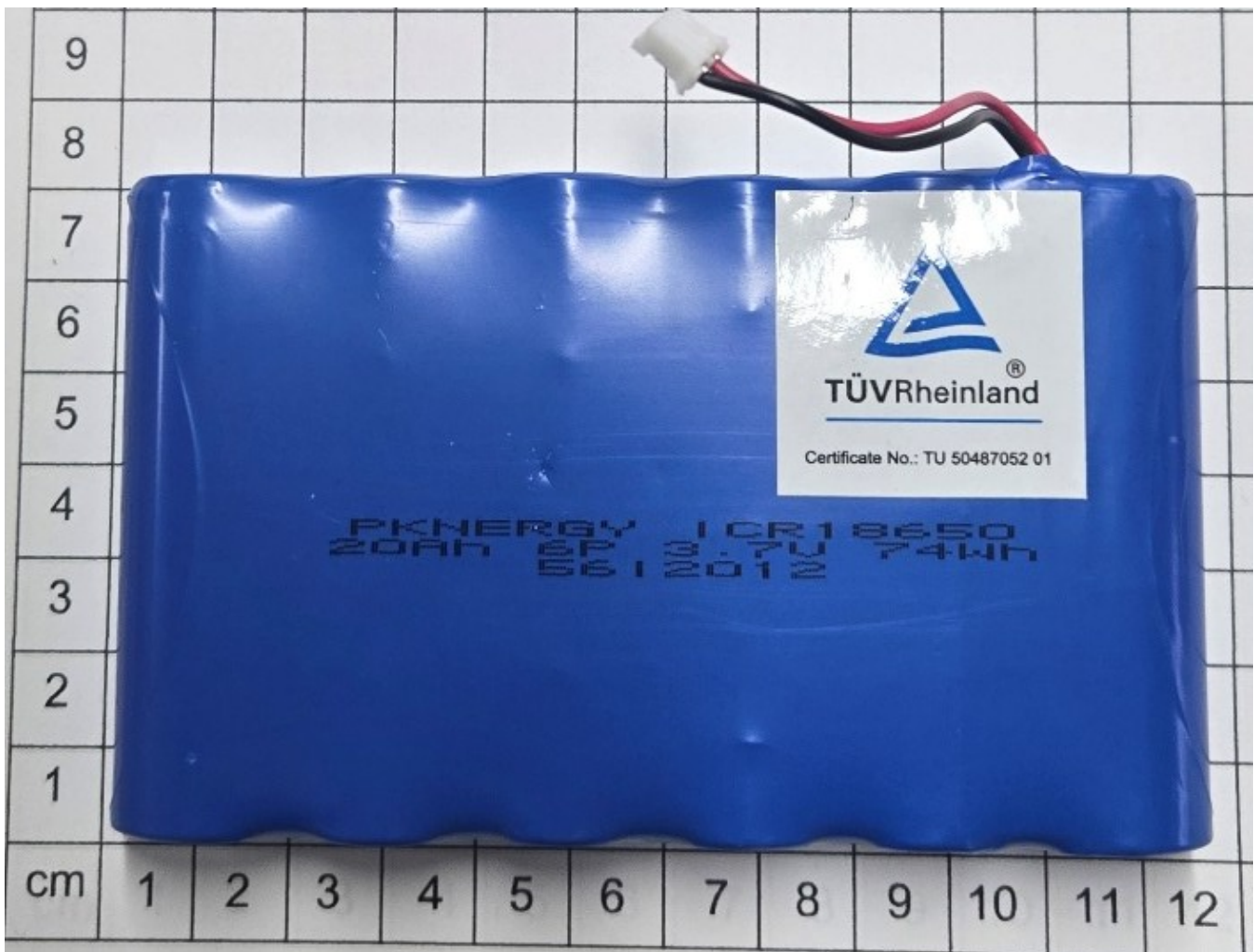


Figure 16: Battery Front

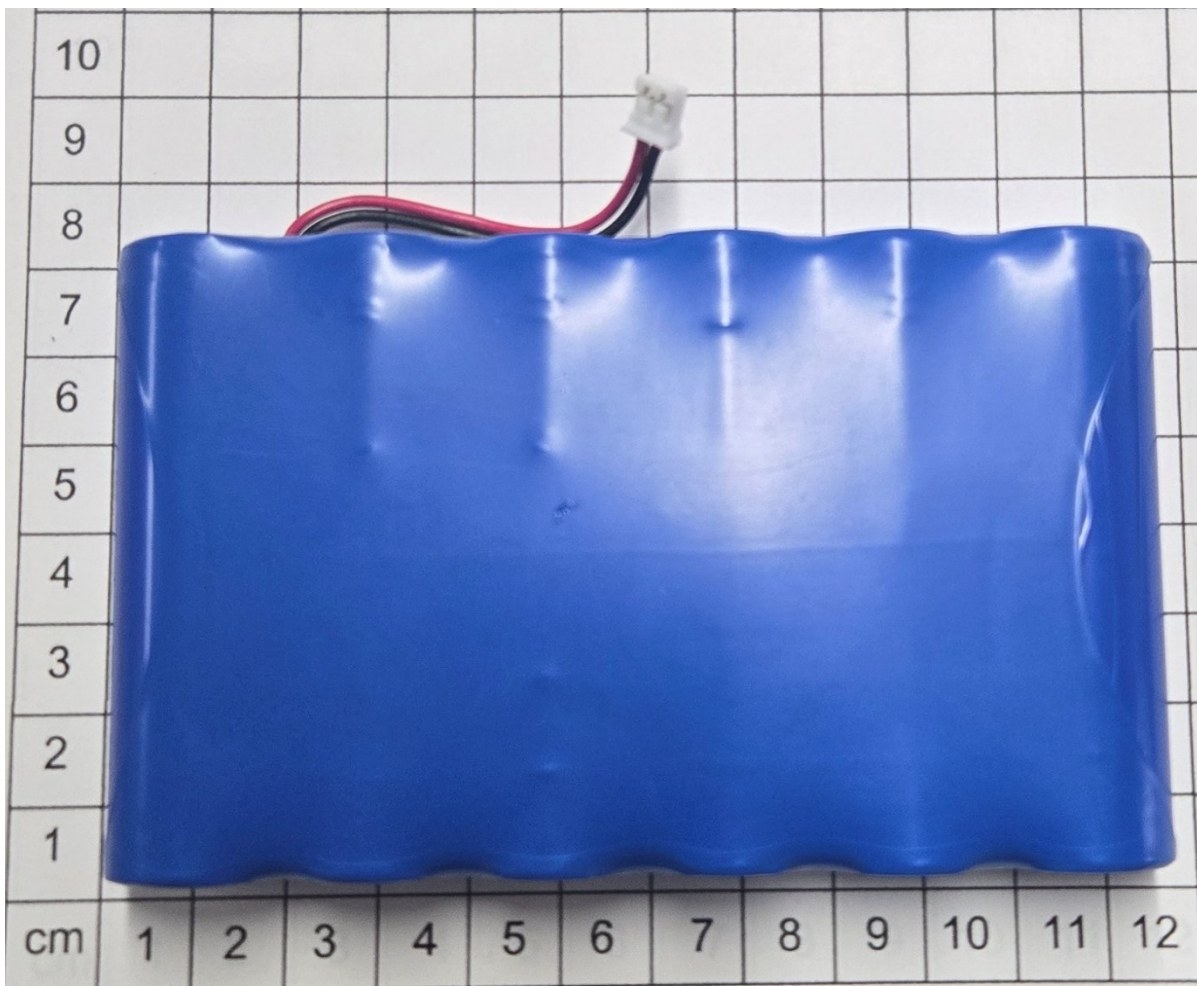


Figure 17: Battery Back

1.4. Antennas

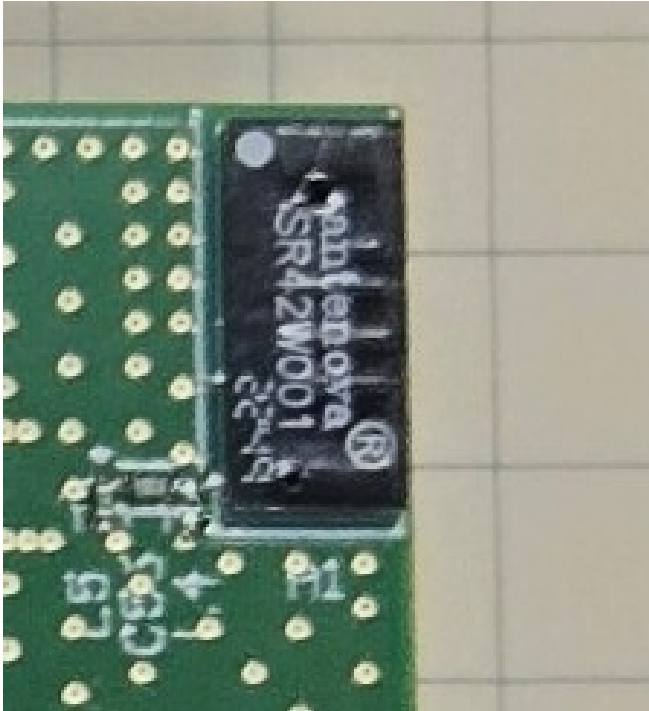


Figure 18: Wi-fi Antenna

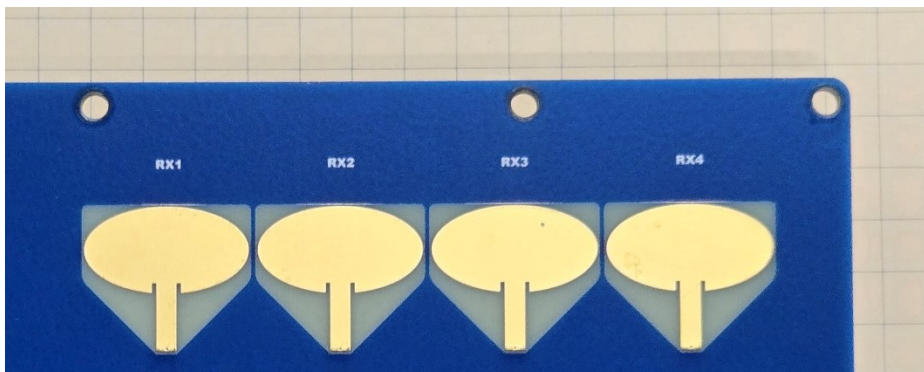


Figure 19: UWB RX Antennas

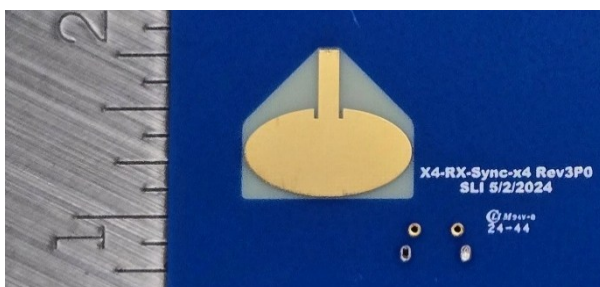


Figure 20: UWB TX Antenna

1.5. Attachments

- 1) Backside of Antenna Board Photograph
- 2) Frontside of Antenna Board Photograph
- 3) Backside of Main Board Photograph
- 4) Frontside of Main Board Photograph
- 5) Backside of PSU Board Photograph
- 6) Frontside of PSU Board Photograph