

*TMO-G4AR*

*XC33AX447M-F100-T0*

*FCC Antenna Report*

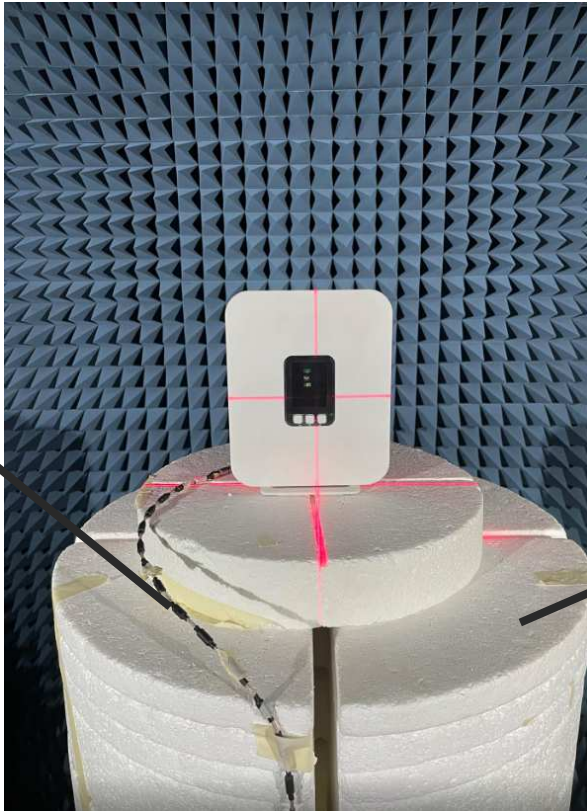
*Antenna Placement and Set up Photo*

*Test Date*

*27th Feb, 2023*

*Antenna Engineer: Peko Li*  
*Version R01*

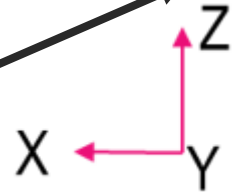




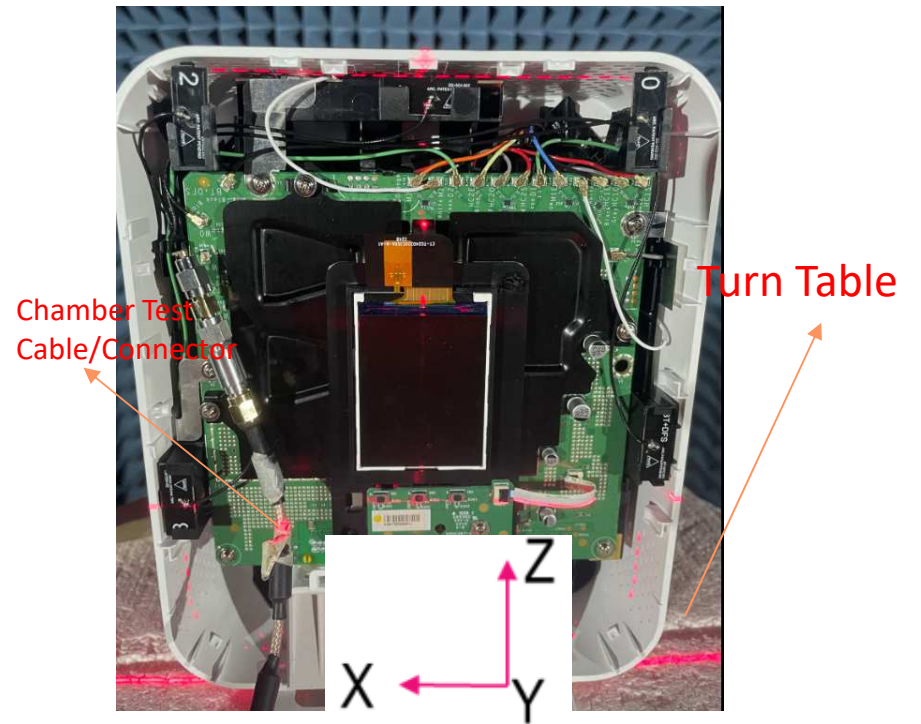
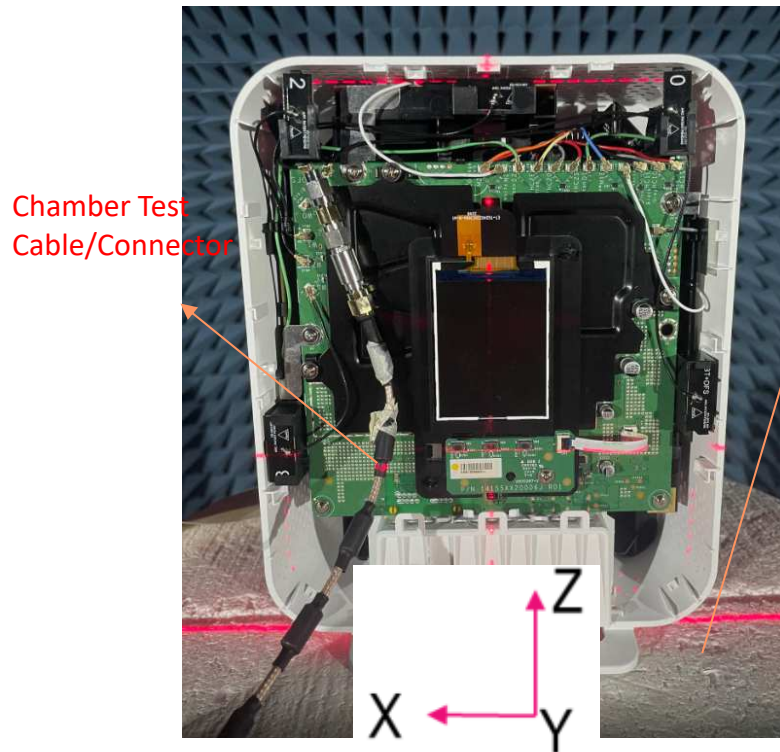
- Place the device at the center of the chamber.
- Connect the antenna cable to RF cable of the chamber
- Run :ETS-Lindgren SW test measurement
- Get 3D data in 2.8125 degree step from phi  $0^{\circ}\sim 360^{\circ}$  and theta  $-90^{\circ}\sim +90^{\circ}$ , including efficiency, peak gain, 2D & 3D radiation pattern.

Chamber Test  
Cable/Connector

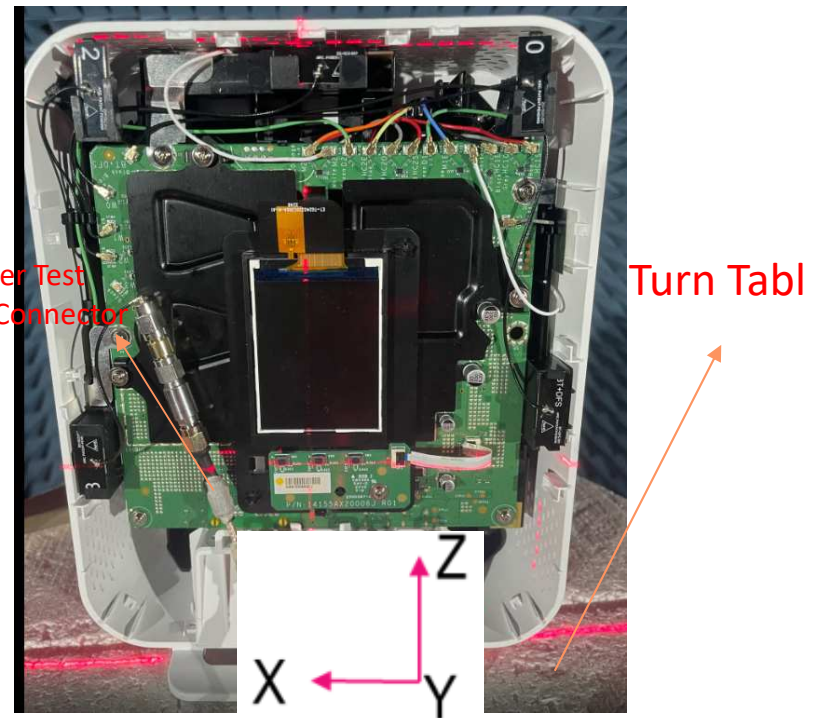
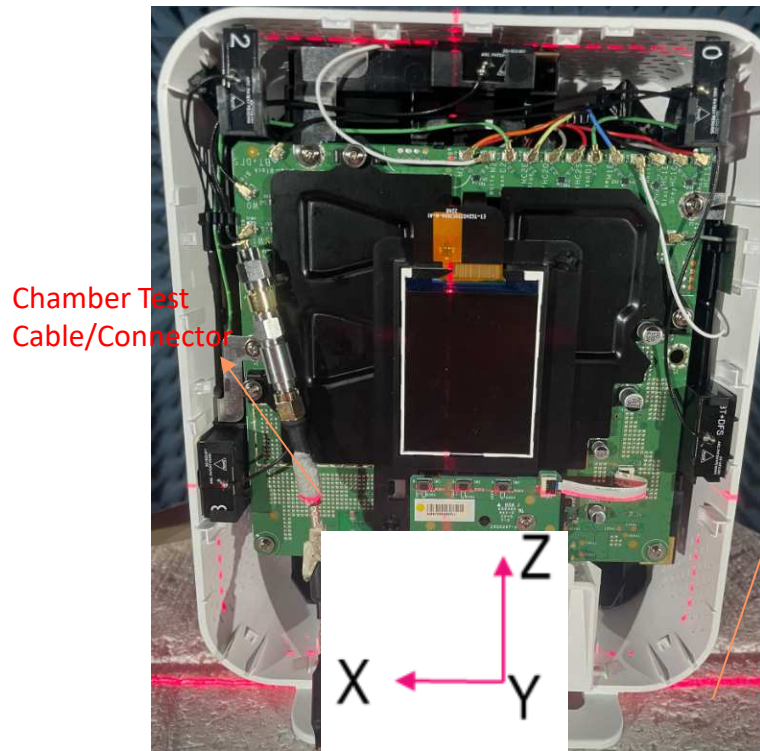
Turn Table



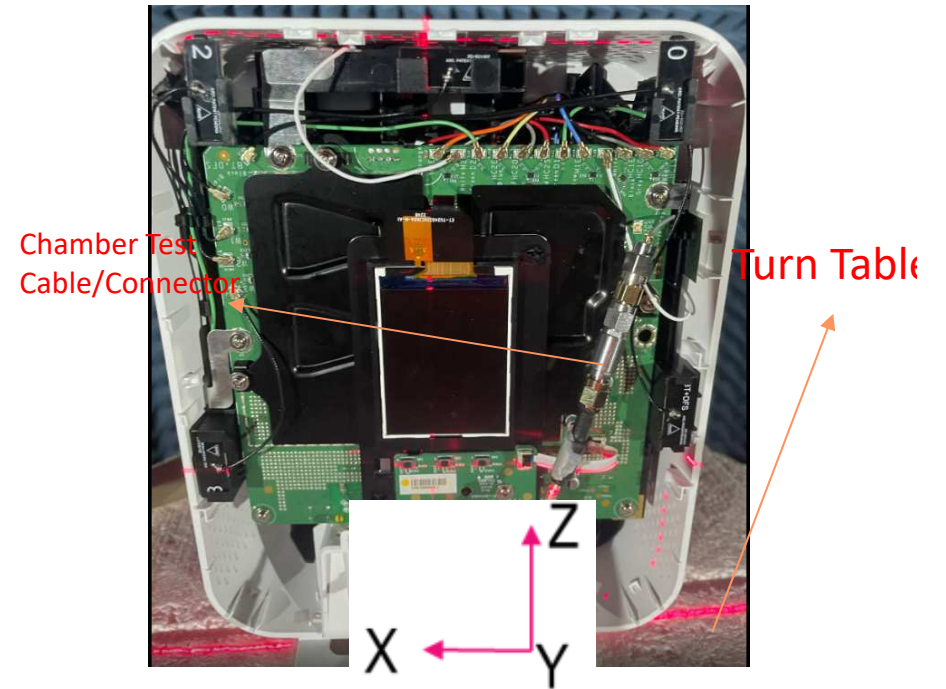
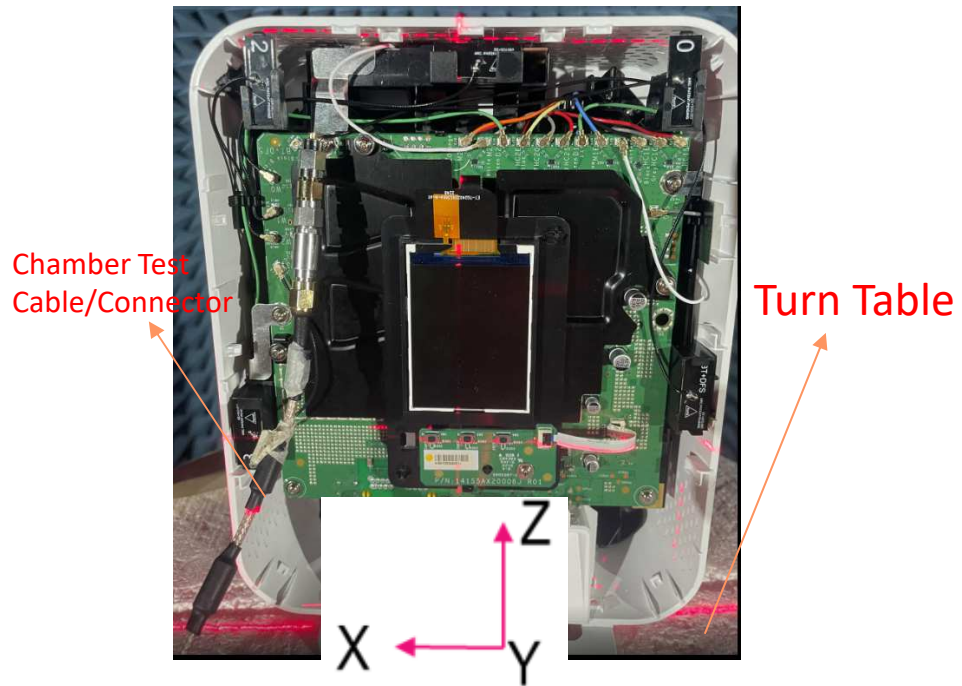
● WiFi 0, WiFi1 Measurement Photo



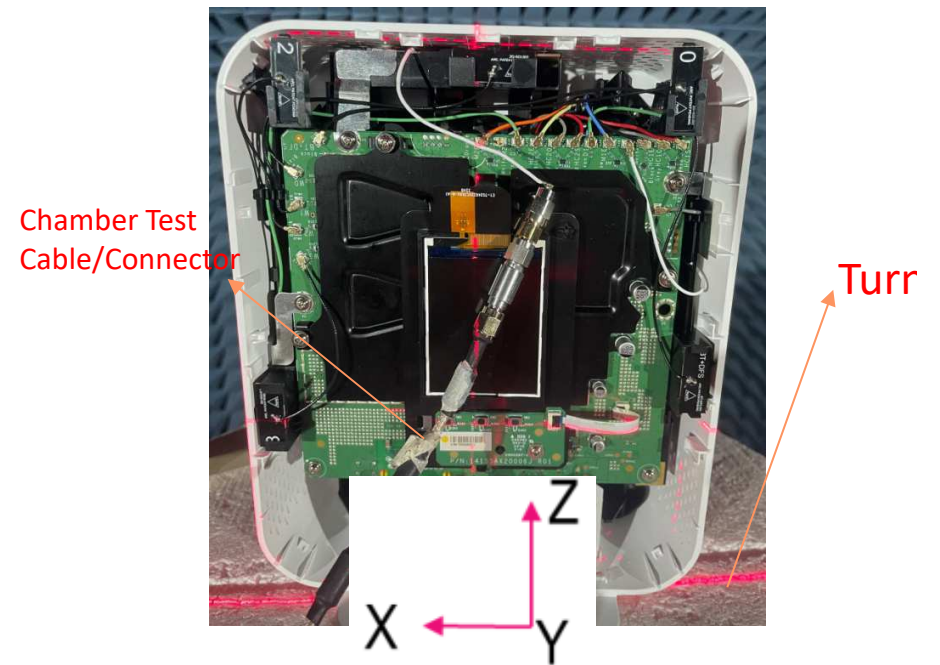
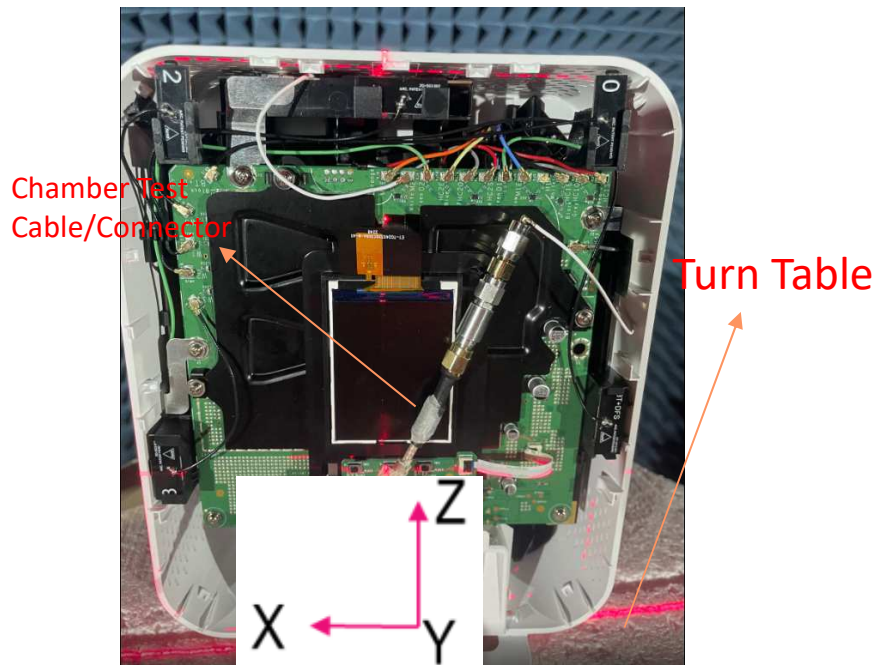
● WiFi 2, WiFi3 Measurement Photo



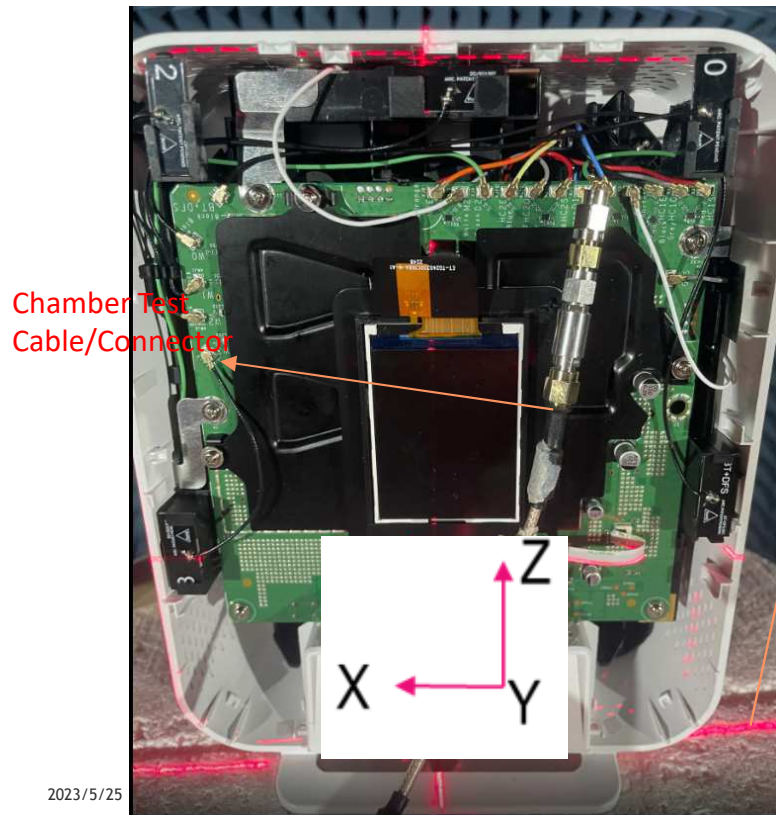
● *BT+DFS, GPS Measurement Photo*



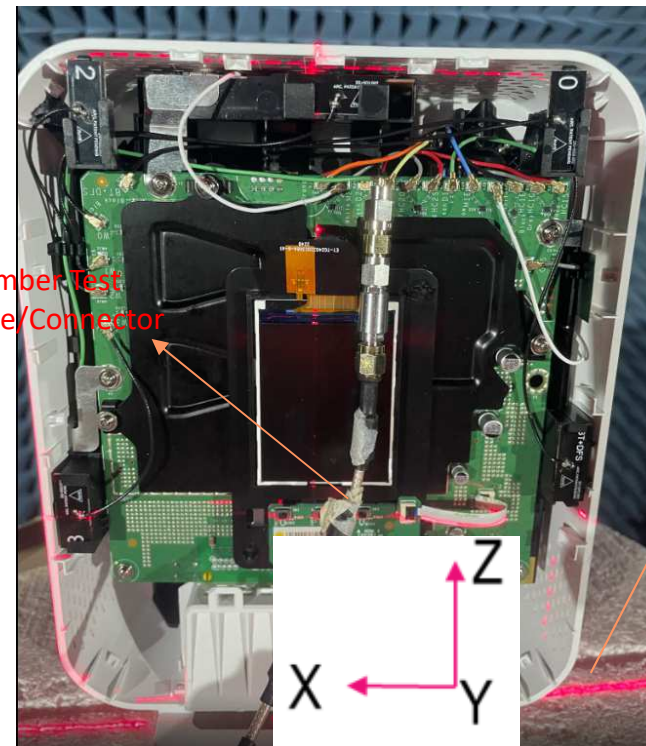
● M1, M2 Measurement Photo



● *D1, D2 Measurement Photo*

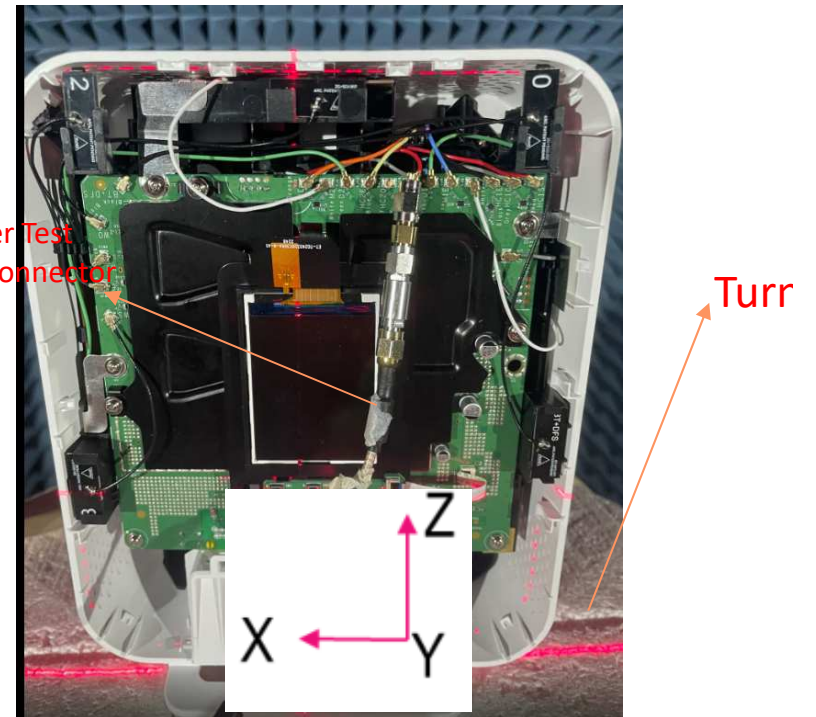
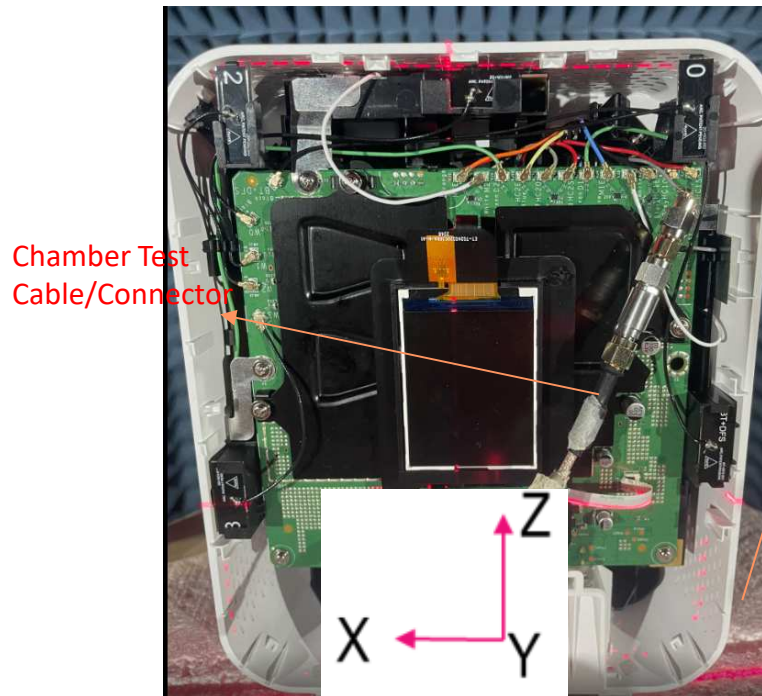


Turn Table



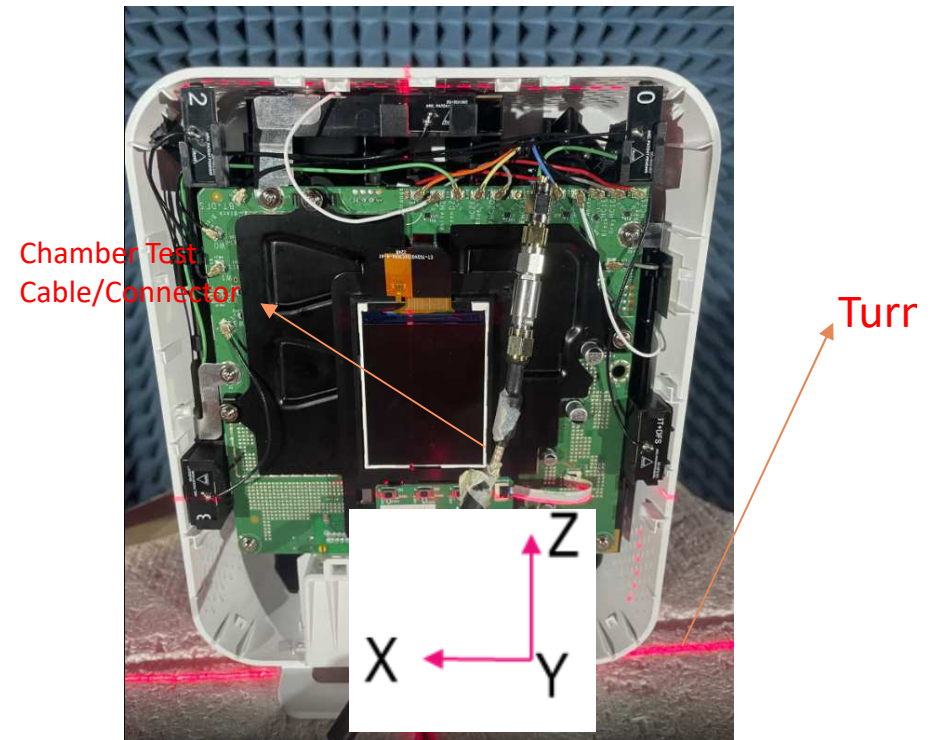
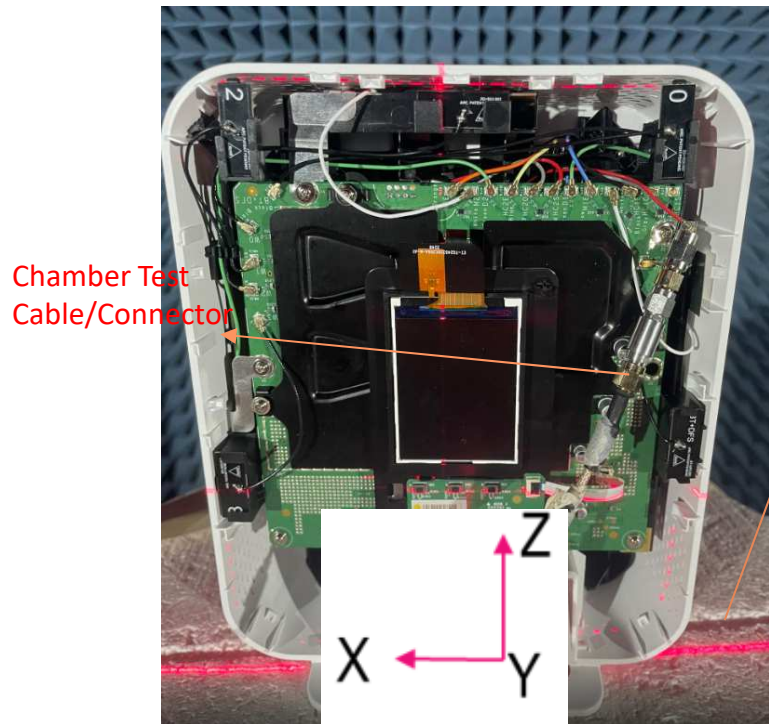
Turr

● HC10, HC20 Measurement Photo



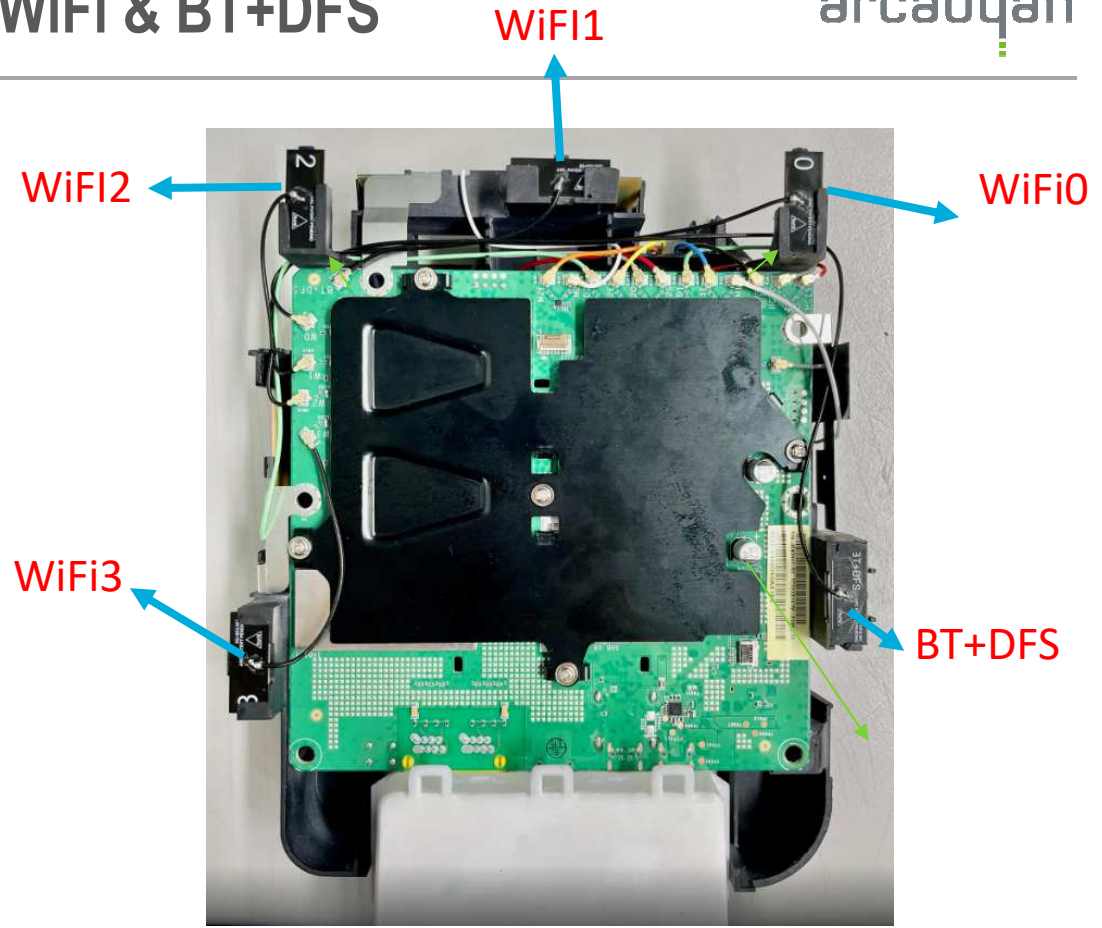


● HC1S, HC2S Measurement Photo



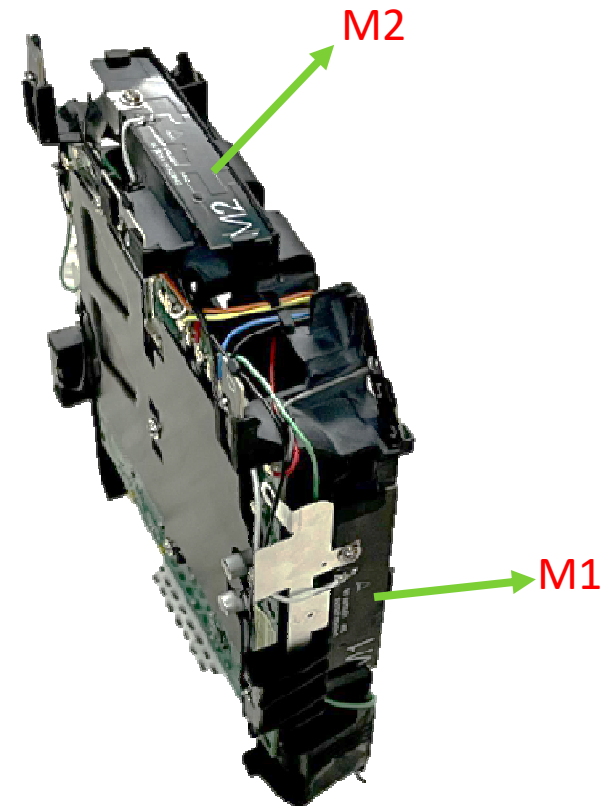
# Antenna Location & Layout of WiFi & BT+DFS

- *WiFi / 2.4G+5G & BT+DFS*



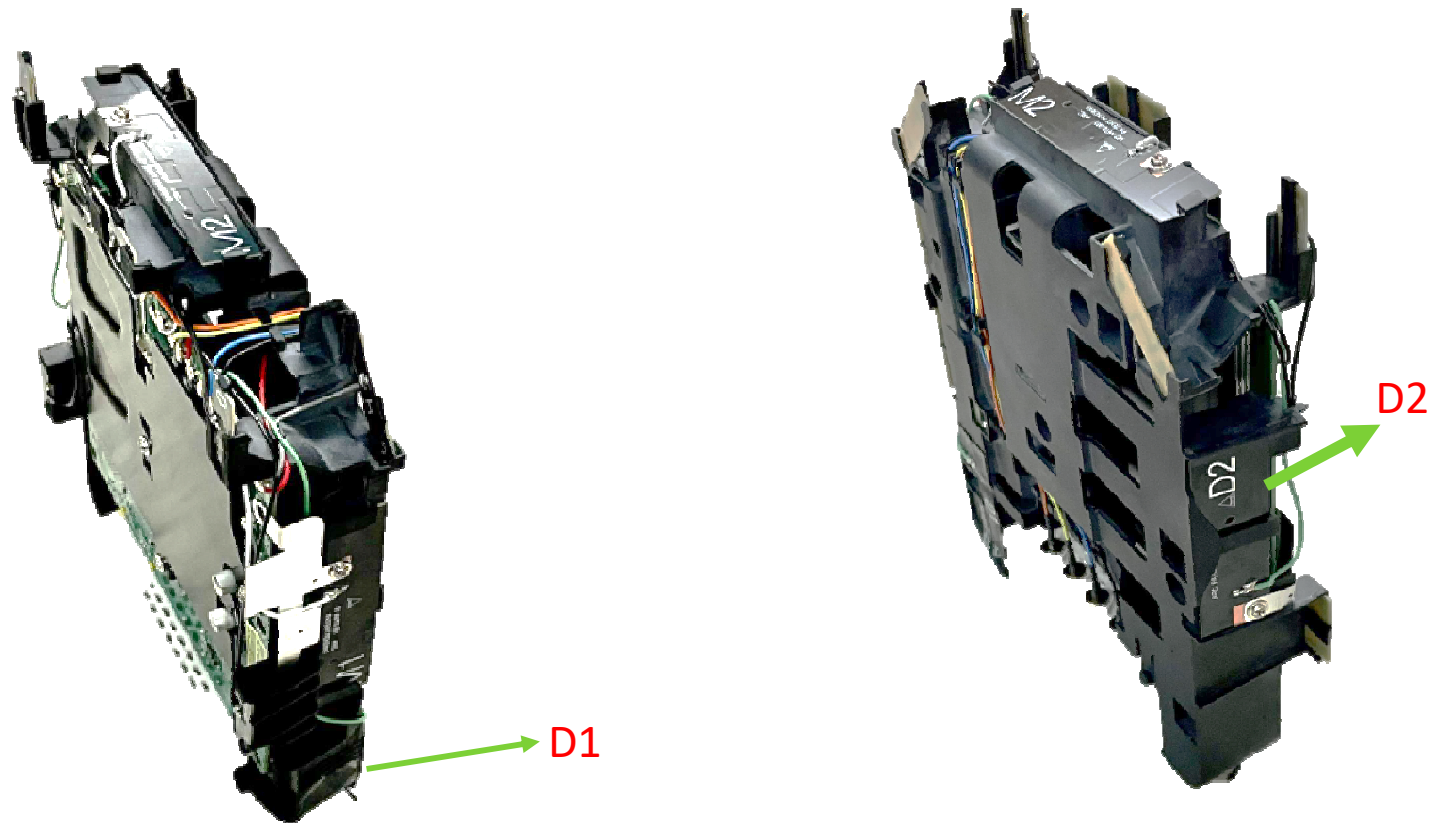
# Antenna Location & Layout of LTE/5G NR M2/M1

- LTE/5G NR
- Ant M2/M1



# Antenna Location & Layout of LTE/5G NR D1/D2

- LTE/5G NR
- ▣ Ant D1/D2



# Antenna Location & Layout of LTE/5G NR

- LTE/5G NR
  - ▣ Ant HC10, HC20 for Omni / HC1S, HC2S for Semi

