

TMO-G4AR

XC33AX447M-F100-T0

FCC Antenna Report

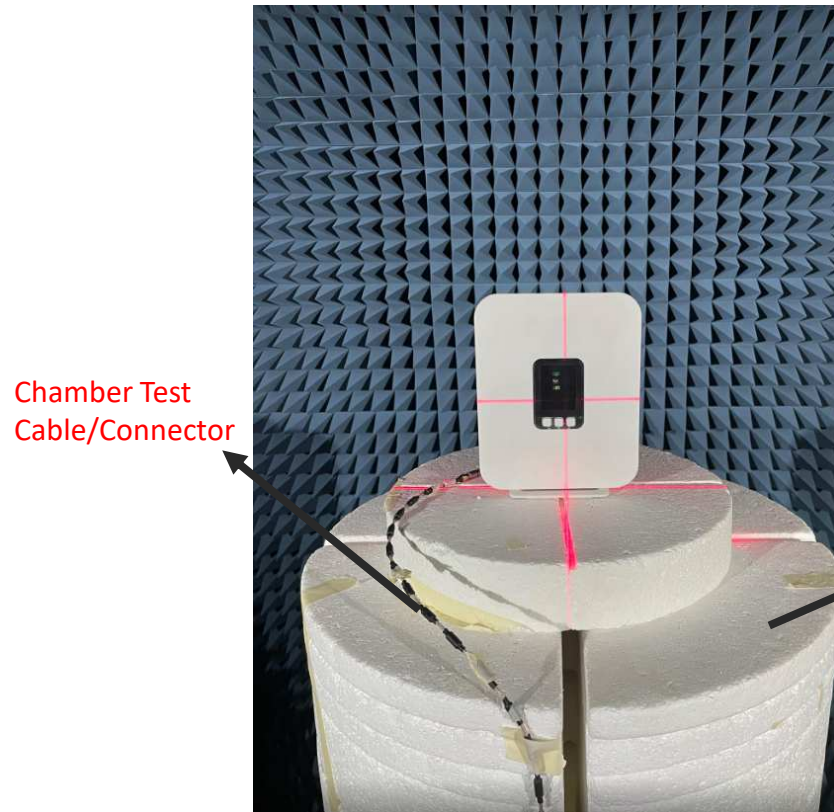
Antenna Placement and Set up Photo

Test Date

27th Feb, 2023

Antenna Engineer: Peko Li
Version R01

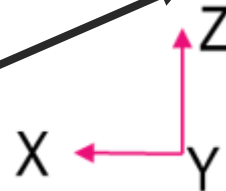




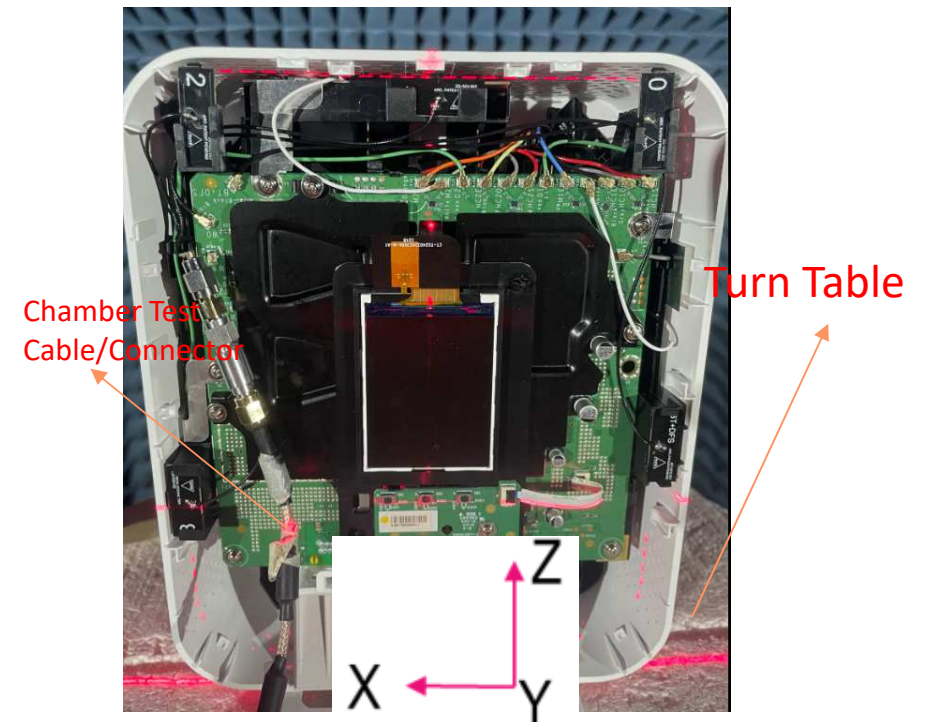
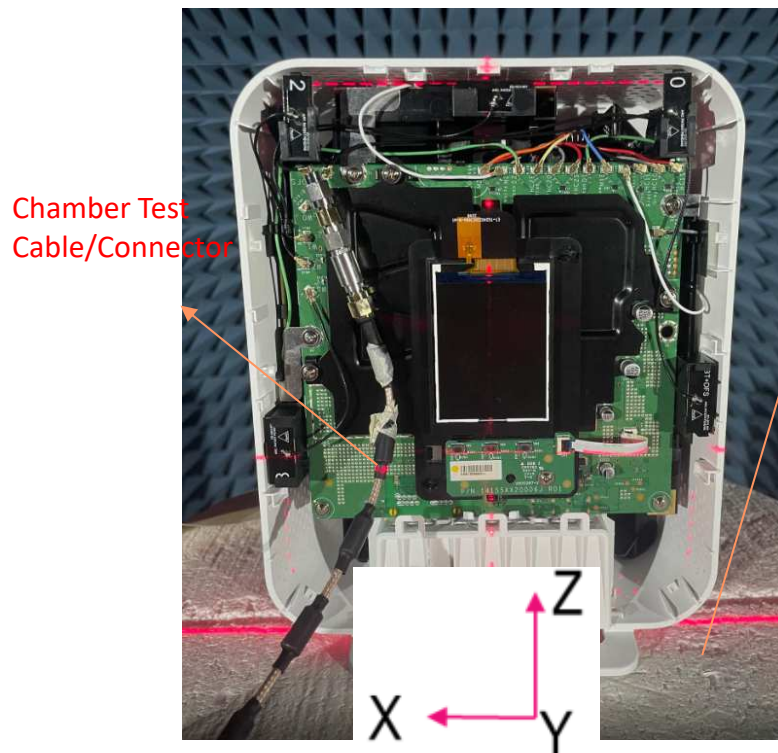
Chamber Test
Cable/Connector

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

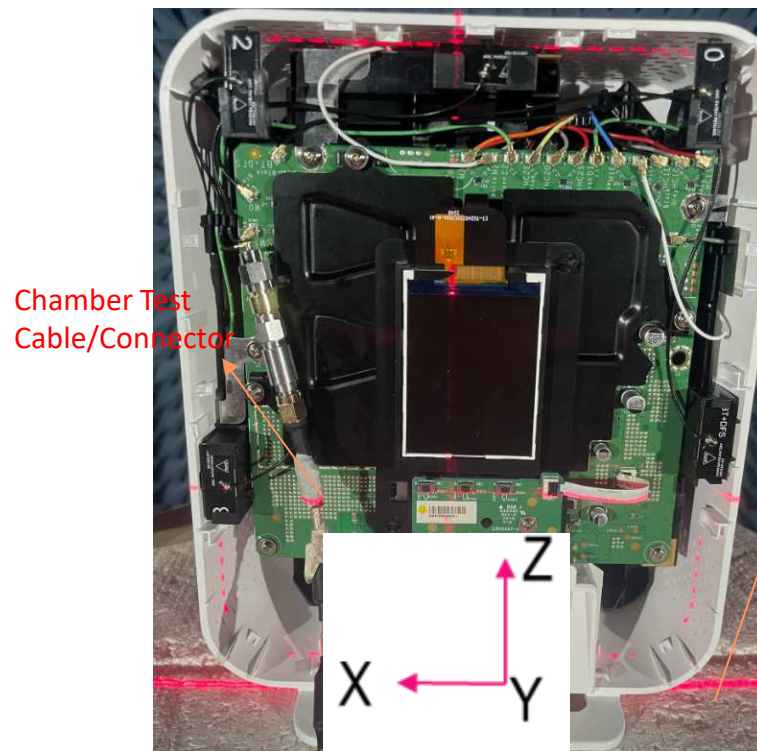
Turn Table



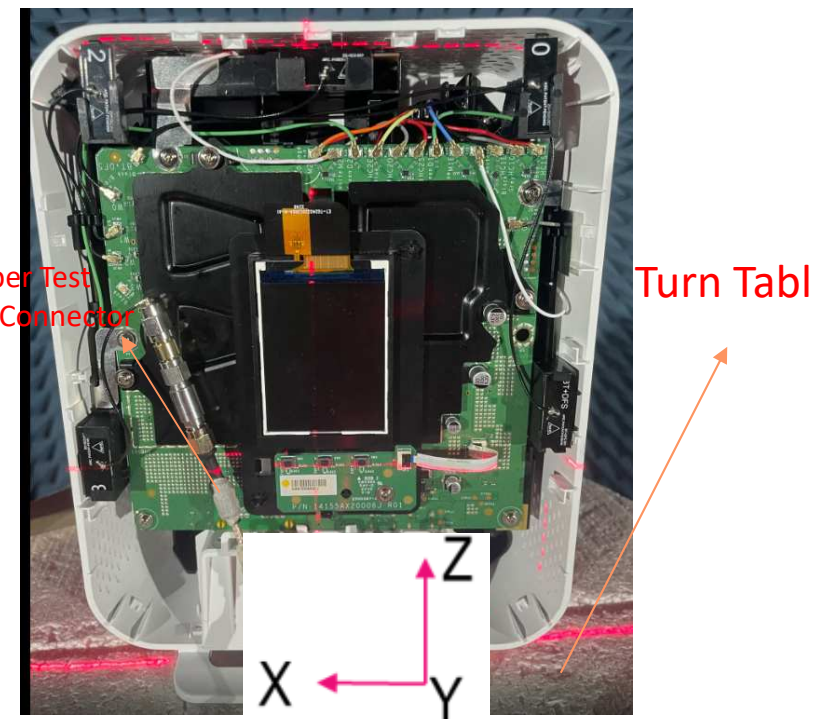
● *WiFi 0, WiFi1 Measurement Photo*



● WiFi 2, WiFi3 Measurement Photo

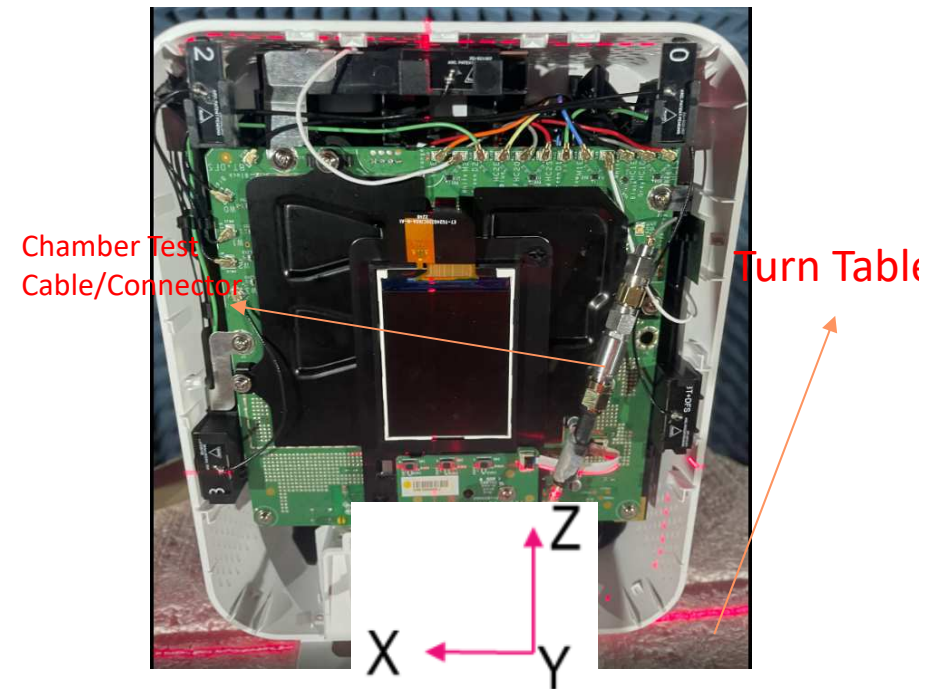
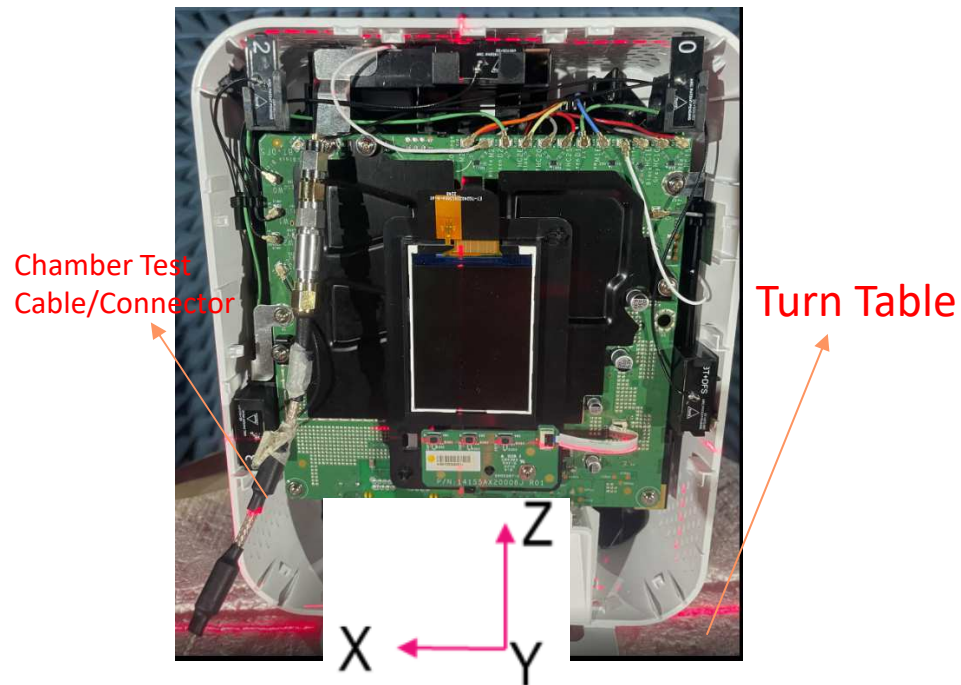


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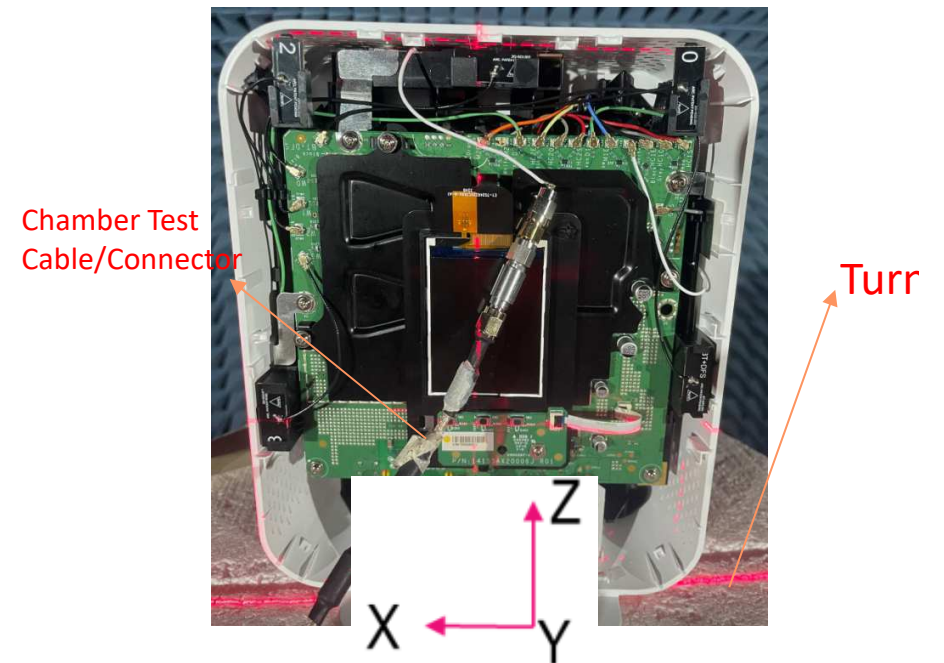
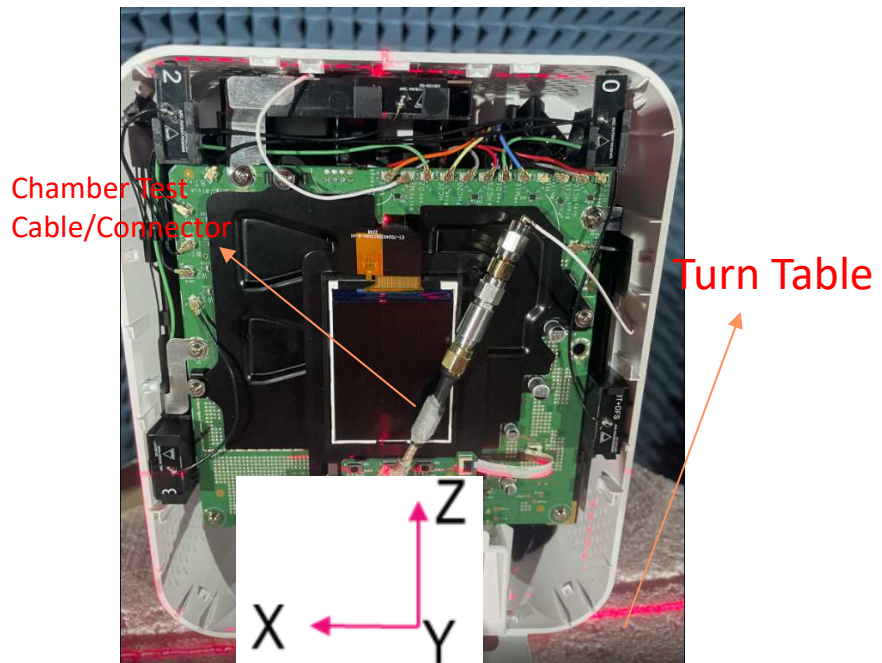


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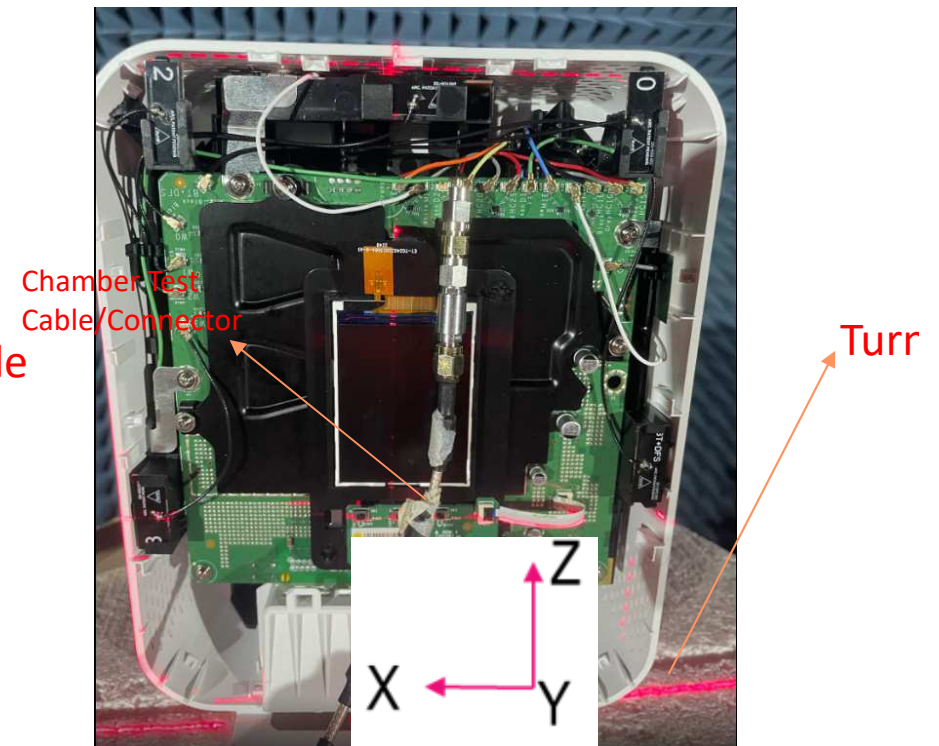
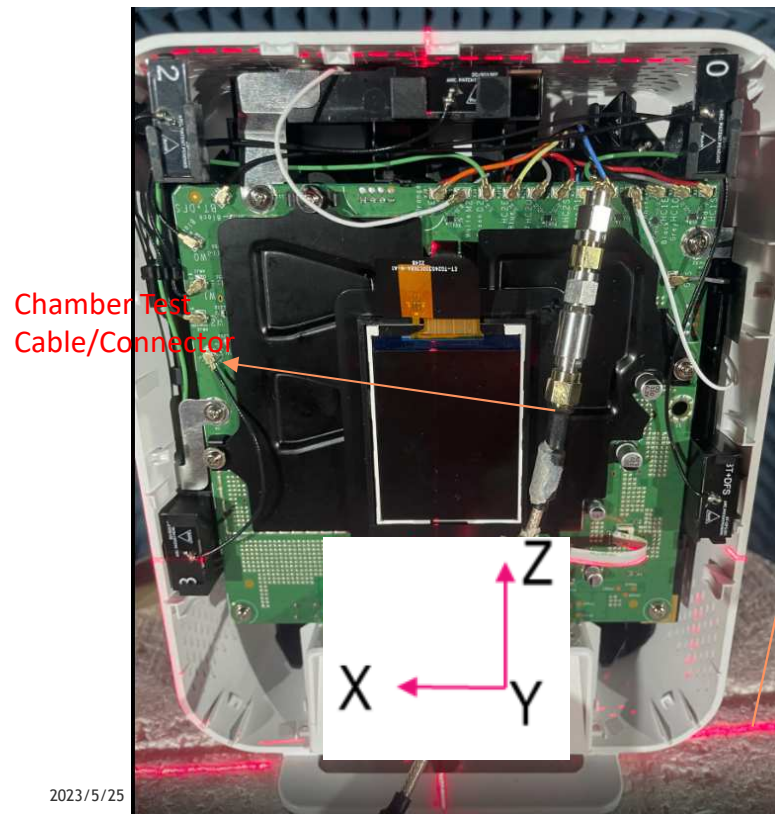
● *BT+DFS, GPS Measurement Photo*



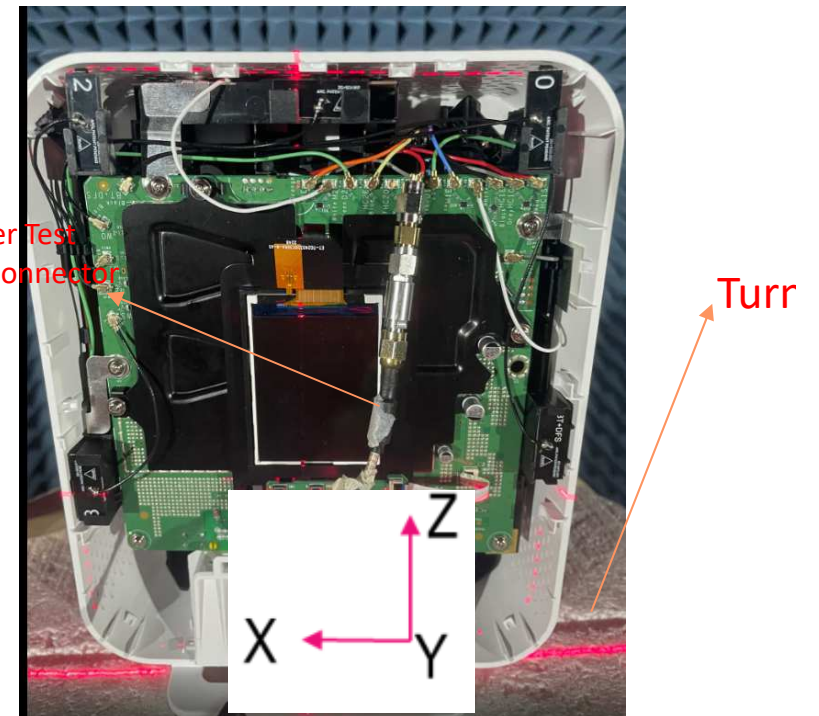
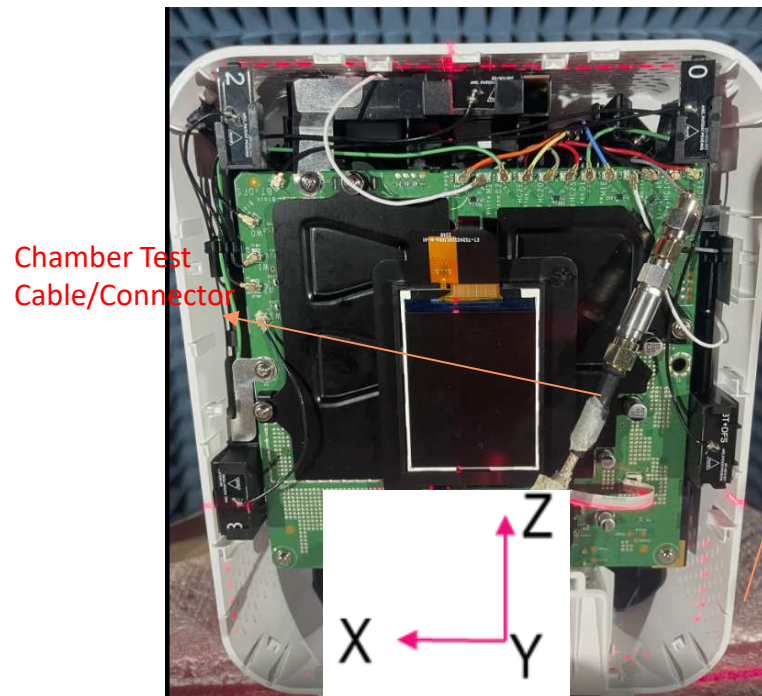
● M1, M2 Measurement Photo



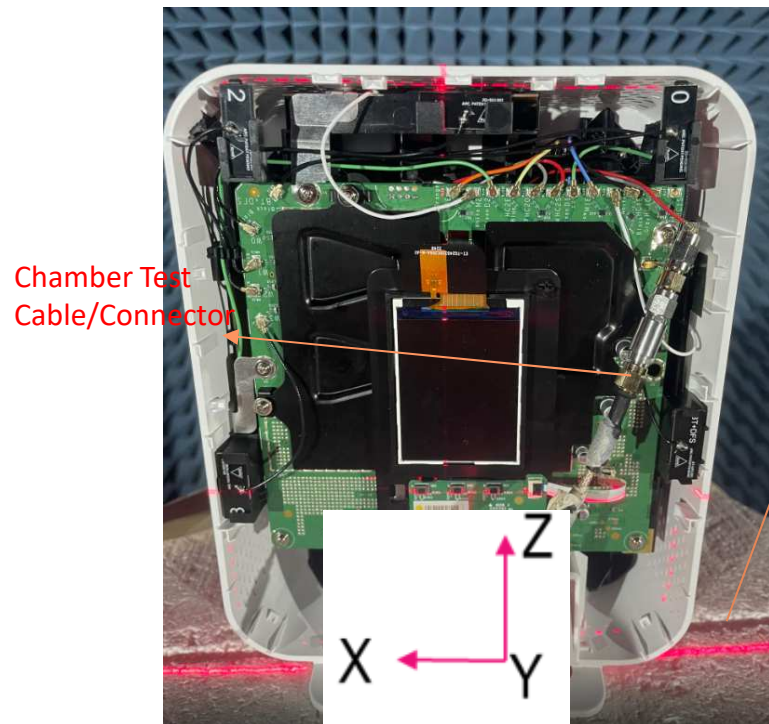
● D1, D2 Measurement Photo



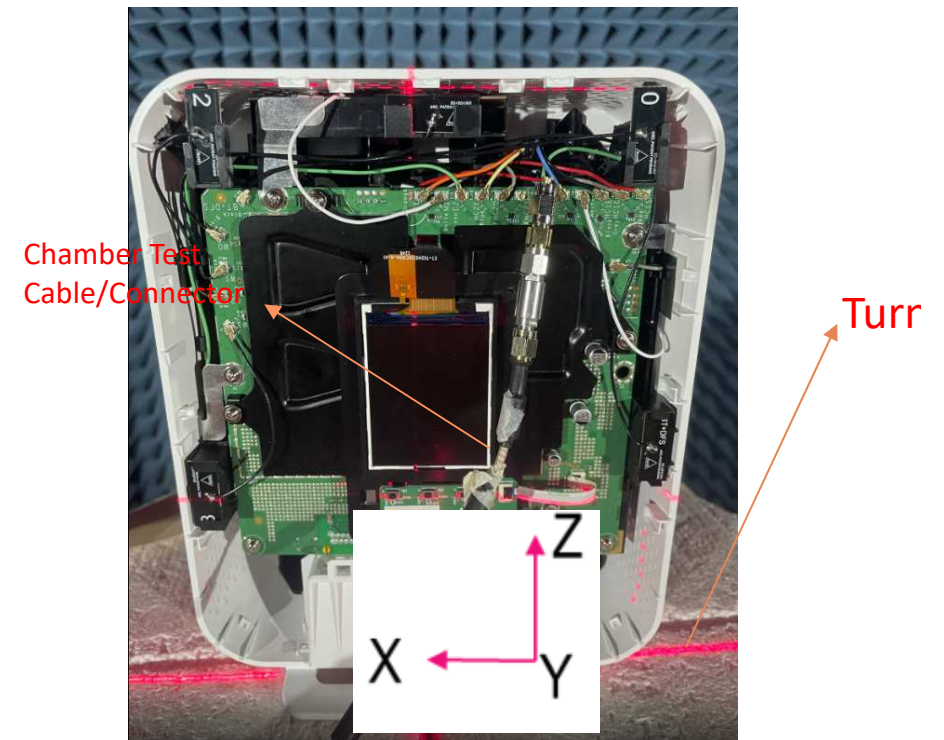
● HC10, HC20 Measurement Photo



● HC1S, HC2S Measurement Photo



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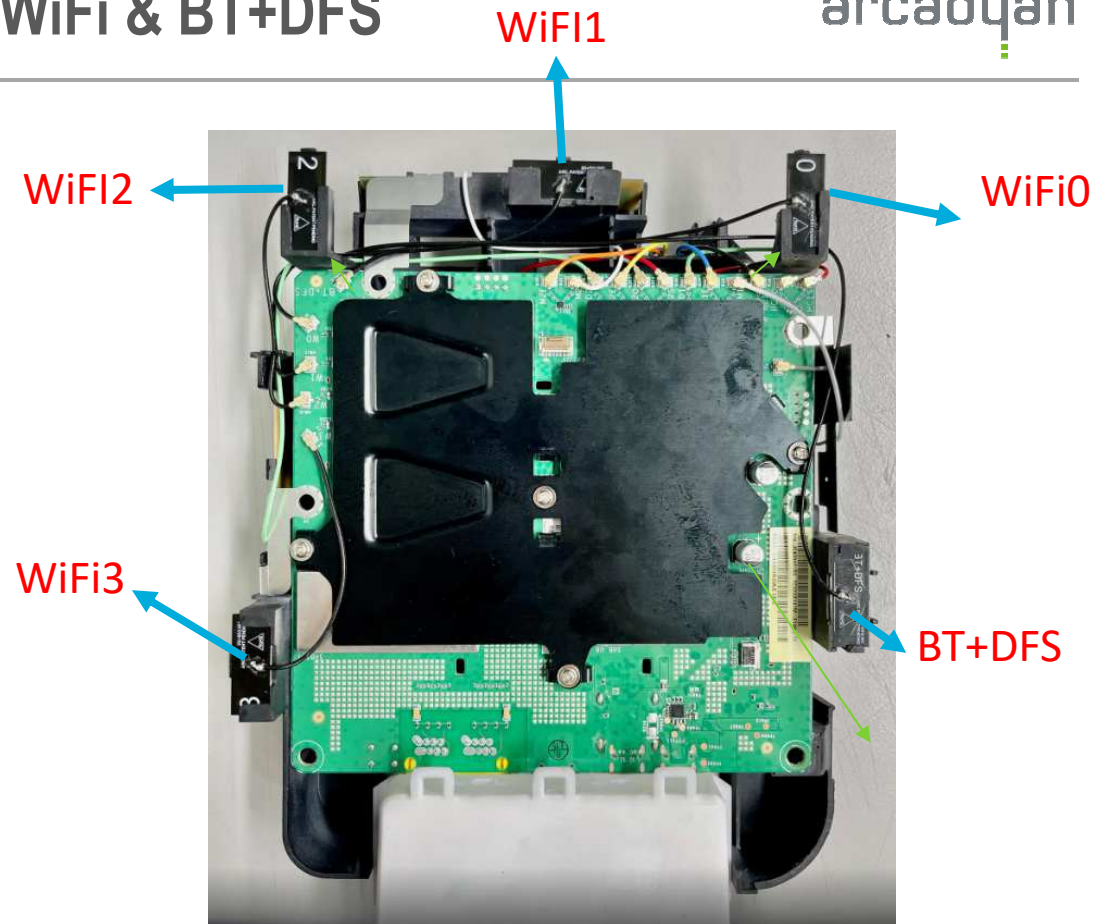


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Antenna Location & Layout of WiFi & BT+DFS

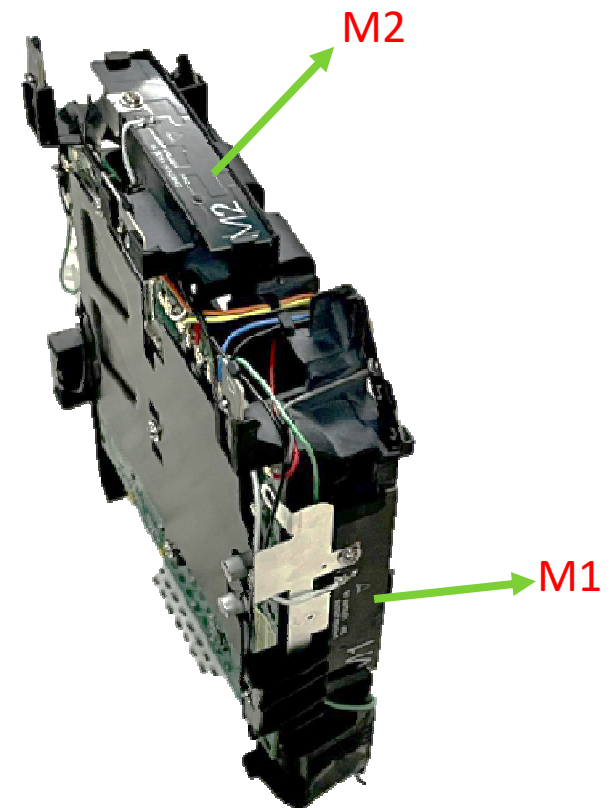
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- *WiFi / 2.4G+5G & BT+DFS*



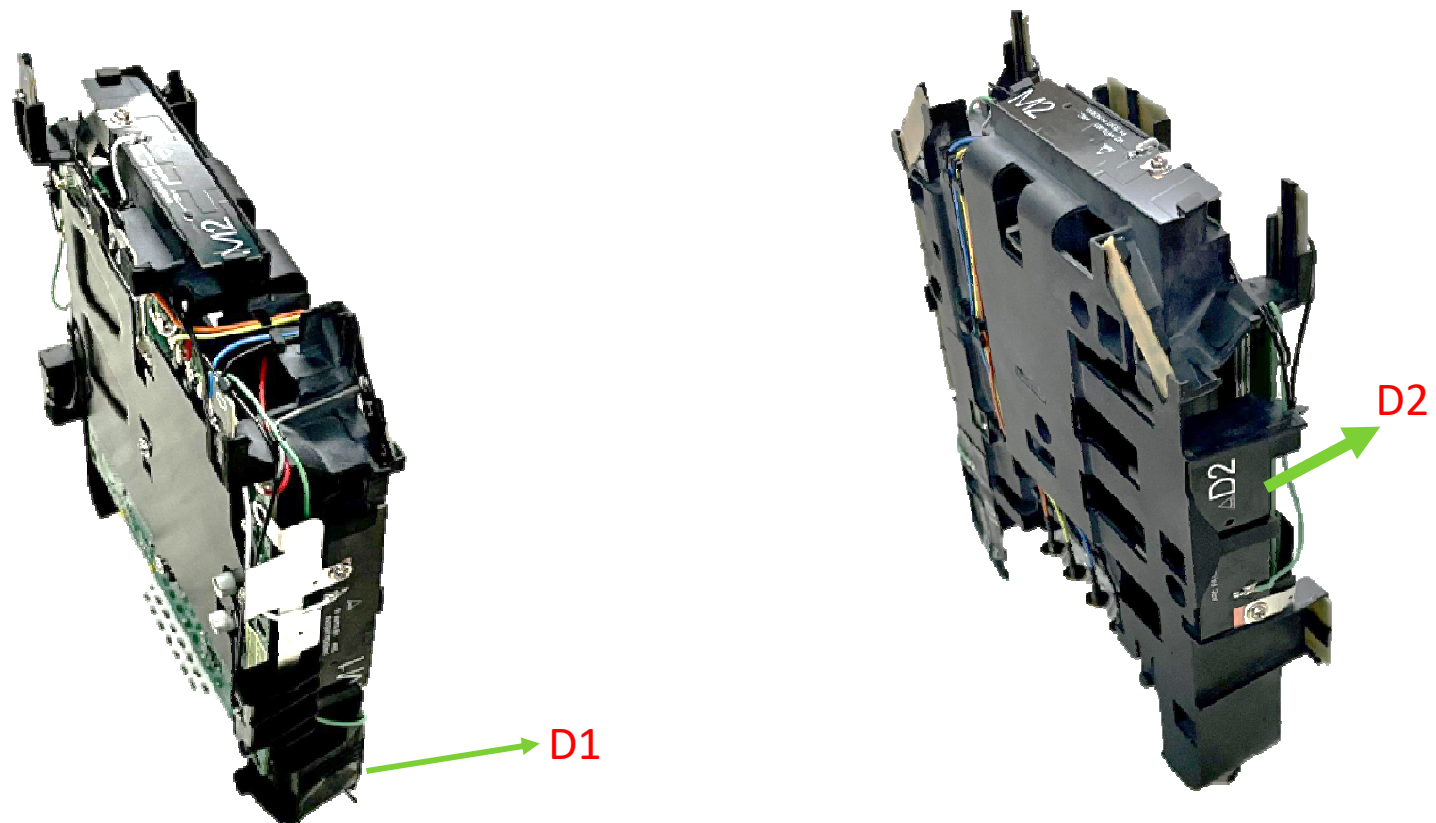
Antenna Location & Layout of LTE/5G NR M2/M1

- 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

