



UDM-Beast Antenna Report

Authorized by: Hans Chen

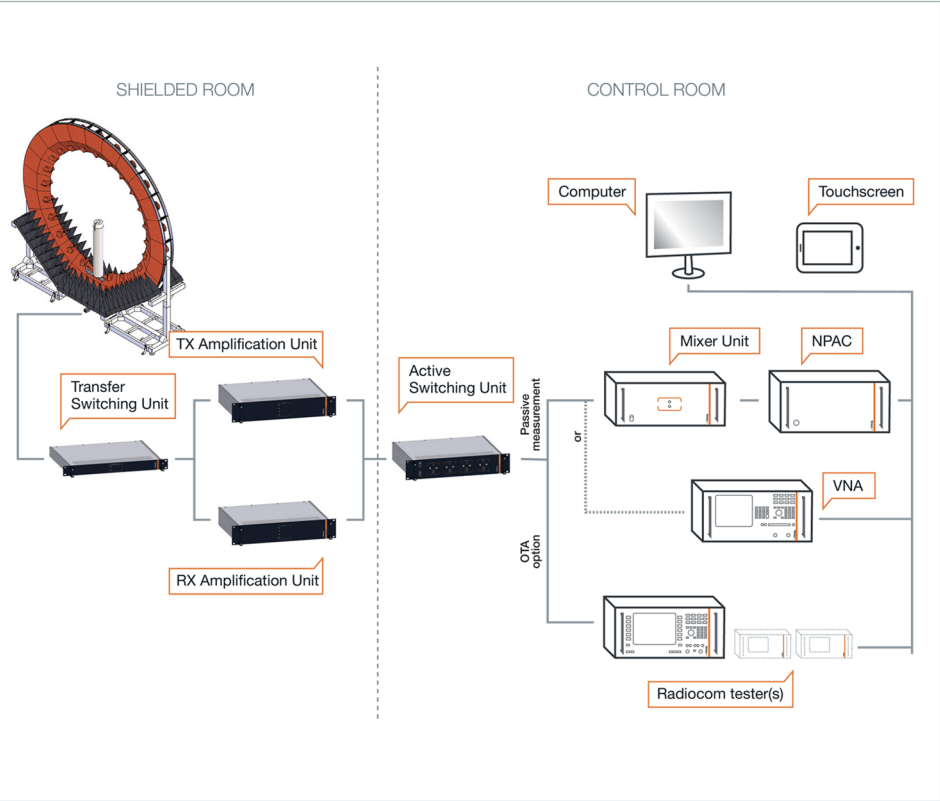


- AUT Environment
 - Instrument Information
 - Test Method
- Antenna Performance
 - BT Antenna



AUT Environment

Instrument Information



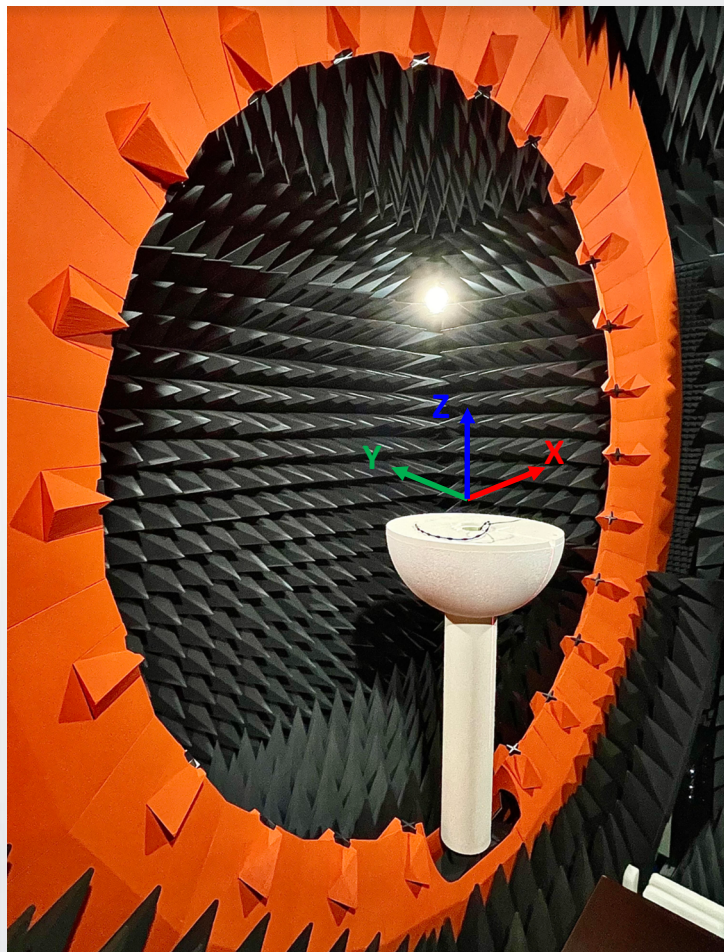
Calibration Record

- Full system calibration, including each instrument, will proceed once per year.
- Regular calibration, including efficiency/peak gain consistency check, will proceed with bi-monthly.

Instrument List	Manufacturer	Calibration Date	Calibration Due Date
Transfer Switching	MVG	2024/11/13	2025/11/12
TX Amplification	MVG	2024/11/13	2025/11/12
RX Amplification	MVG	2024/11/13	2025/11/12
Active Switching	MVG	2024/11/13	2025/11/12
Network Analyzer	R&S ZNB	2024/11/13	2025/11/12
Radiocom Tester	Anritsu MT8821	2024/11/13	2025/11/12
Full System	SG24-Standard	2024/11/13	2025/11/12

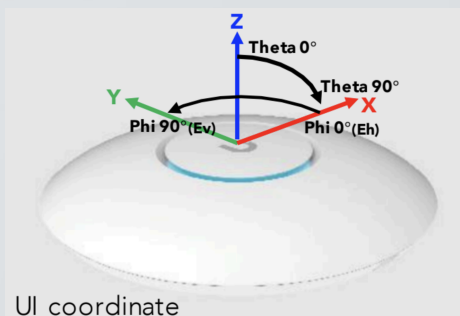


Test Method



Measurement Standard

- To fix device on the turntable, and laser positioning the height level in the center of the probe.
- Align the chamber coordinate and UI coordinate.
- Sampling the antenna pattern according to Phi increment 5° / Theta increment 5° .
- Finished 3D data collection along with Theta- $175^\circ \sim \text{Theta}175^\circ$ and $\text{Phi}0^\circ \sim \text{Phi}180^\circ$
- Frequency resolution setup depends on the different bands.



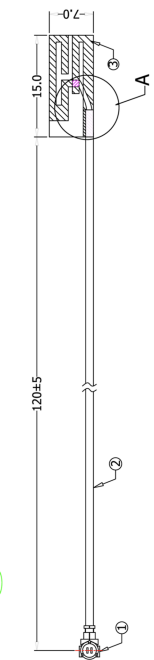
UI coordinate

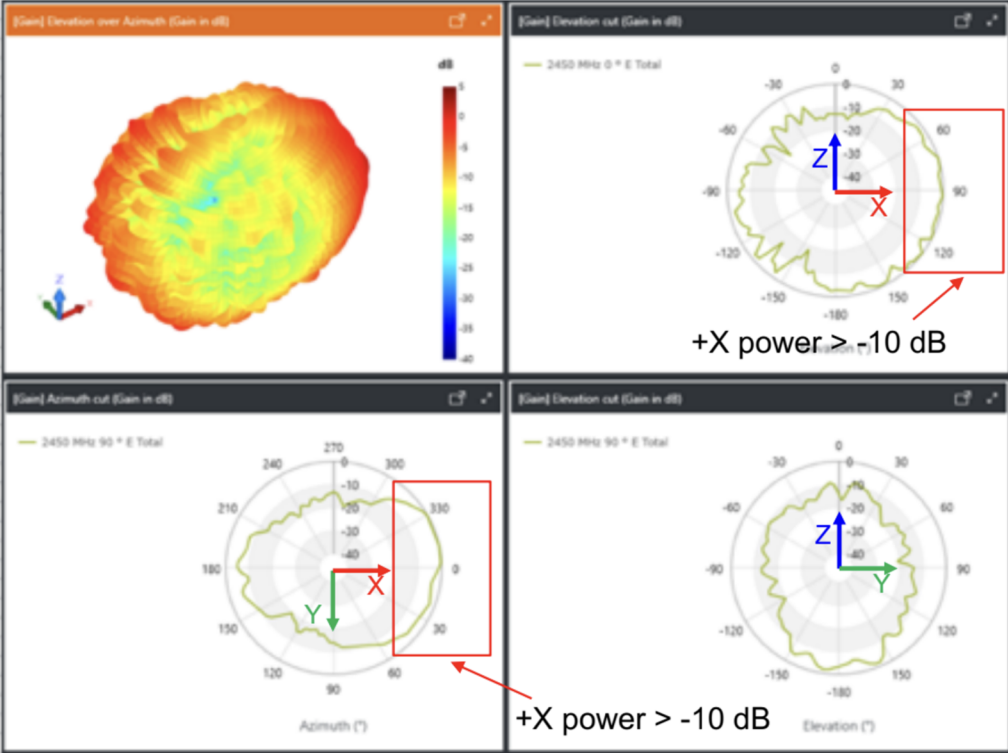


Antenna Performance

[UDM-Beast] BT Antenna Performance



	BT Antenna
Working frequency	2400-2500 MHz
Antenna type	PIFA Antenna
Gain	4.0dBi
Model	117-02468
Drawing	





Manufacturer: Ubiquiti Inc.
Address: 685 3rd Avenue Floor New York, NY 10017 United States