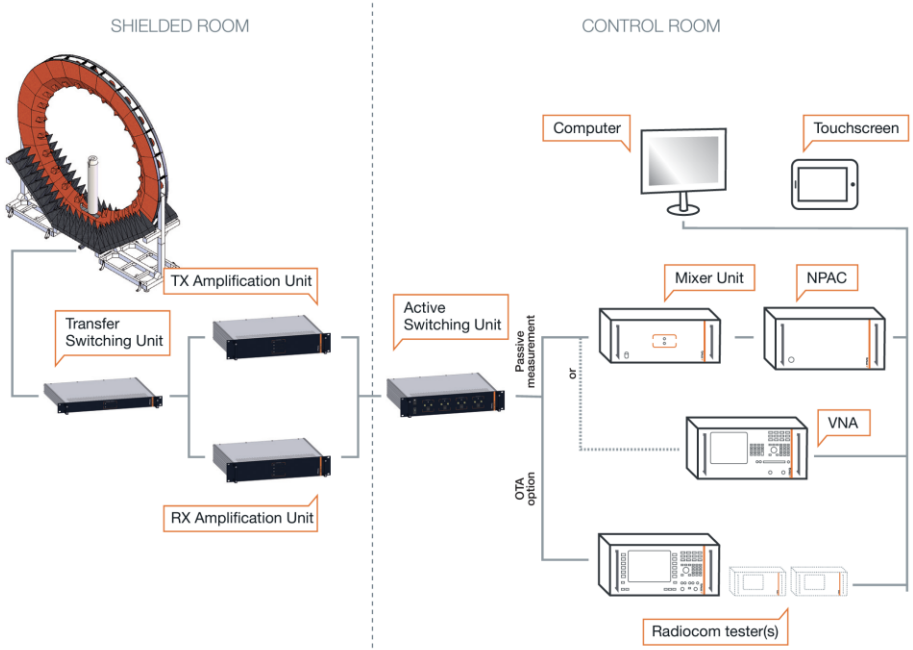
Wave-AP-Gen2
Antenna Datasheet

Outline

- AUT Environment
  - Instrument Information
  - Test Method
- Antenna Performance
  - 5G Antenna
  - 60G Antenna

AUT Environment

Instrument Information

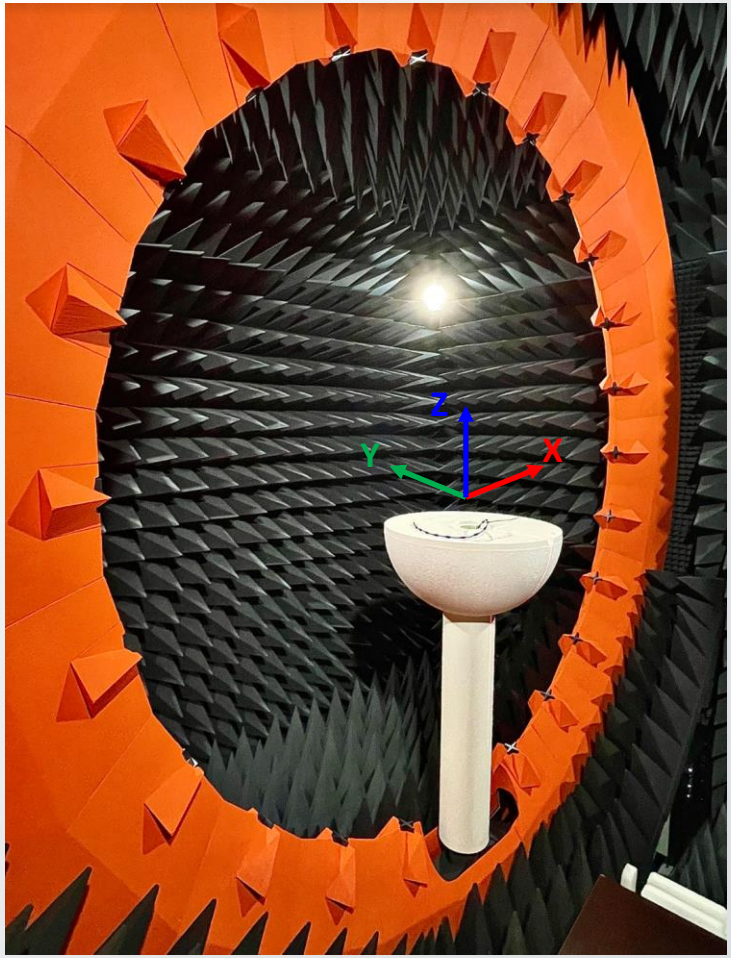


Calibration Record

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

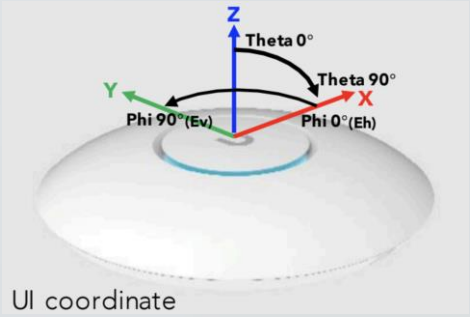
Instrument List	Manufacturer	Calibration Date	Calibration Due Date
Transfer Switching	MVG	2024/11/13	2025/11/12
TX Amplification	MVG	2024/11/13	2025/11/12
RX Amplification	MVG	2024/11/13	2025/11/12
Active Switching	MVG	2024/11/13	2025/11/12
Network Analyzer	R&S ZNB	2024/11/13	2025/11/12
Radiocom Tester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

Test Method



Measurement Standard

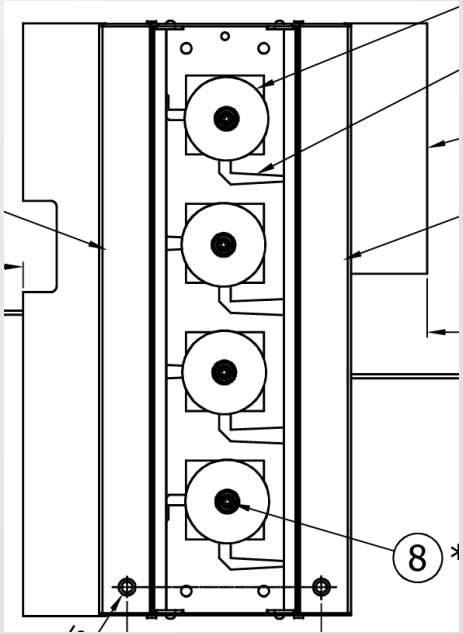
- To fix device on the turntable, and laser positioning the height level in the center of the probe.
- Align the chamber coordinate and UI coordinate.
- Sampling the antenna pattern according to Phi increment 5º / Theta increment 5º.
- Finished 3D data collection along with Theta-175º~Theta175º and Phi0º~Phi180º
- Frequency resolution setup depends on the different bands.

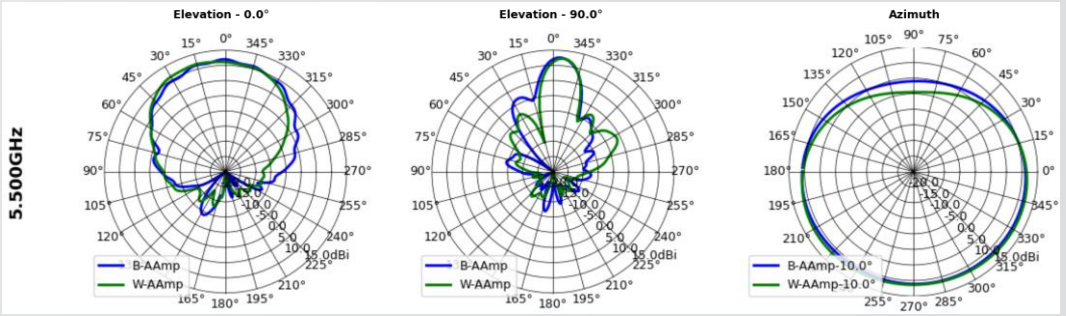


UI coordinate

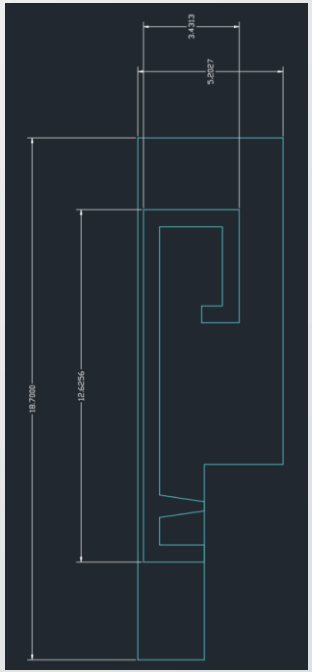
Antenna Performance

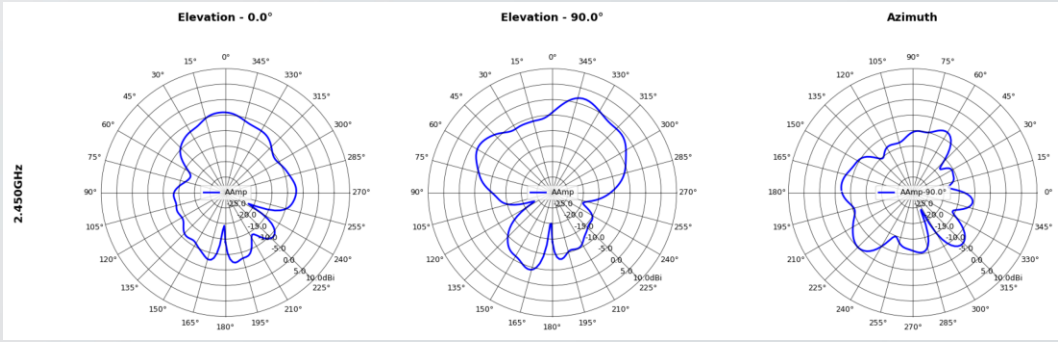
[Wave-AP-Gen2] 5G Antenna Performance

	WIFI 5G
Working frequency	5150-5850 MHz
Antenna type	Patch
Gain	13.0dBi (Individual)
Model	117-06132
Drawing	

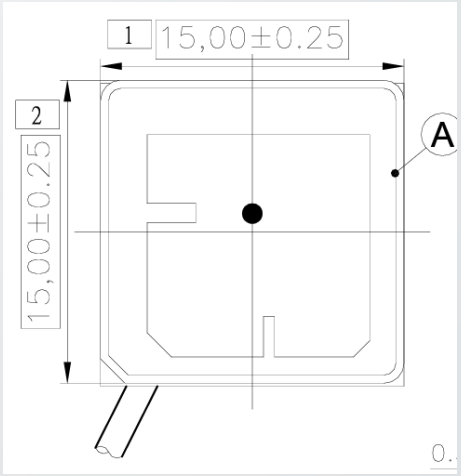


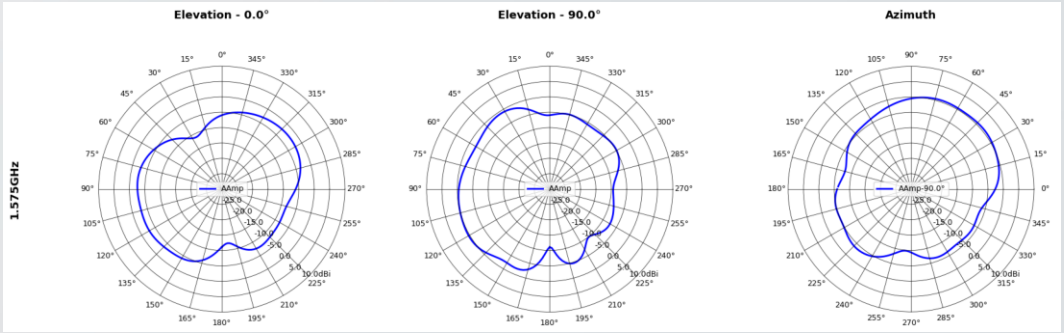
[Wave-AP-Gen2] BT Antenna Performance

	BT
Working frequency	2400-2500 MHz
Antenna type	PIFA
Gain	2.0dBi
Model	117-02002
Drawing	



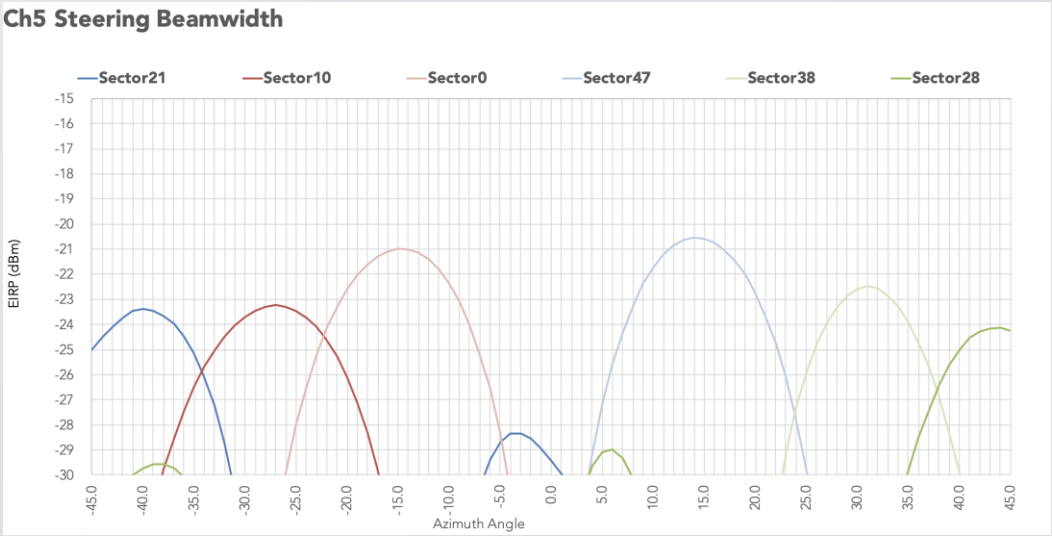
[Wave-AP-Gen2] GPS Antenna Performance

	GPS
Working frequency	1575 MHz
Antenna type	Patch
Gain	1.0dBi
Model	117-06201
Drawing	



[Wave-AP-Gen2] 60G Antenna Performance

	WIFI 60G
Working frequency	58320-69120 MHz
Antenna type	Patch
Gain	20.0dBi
Model	113-01058
Drawing	AIP



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