AirWire
Antenna Datasheet

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Outline

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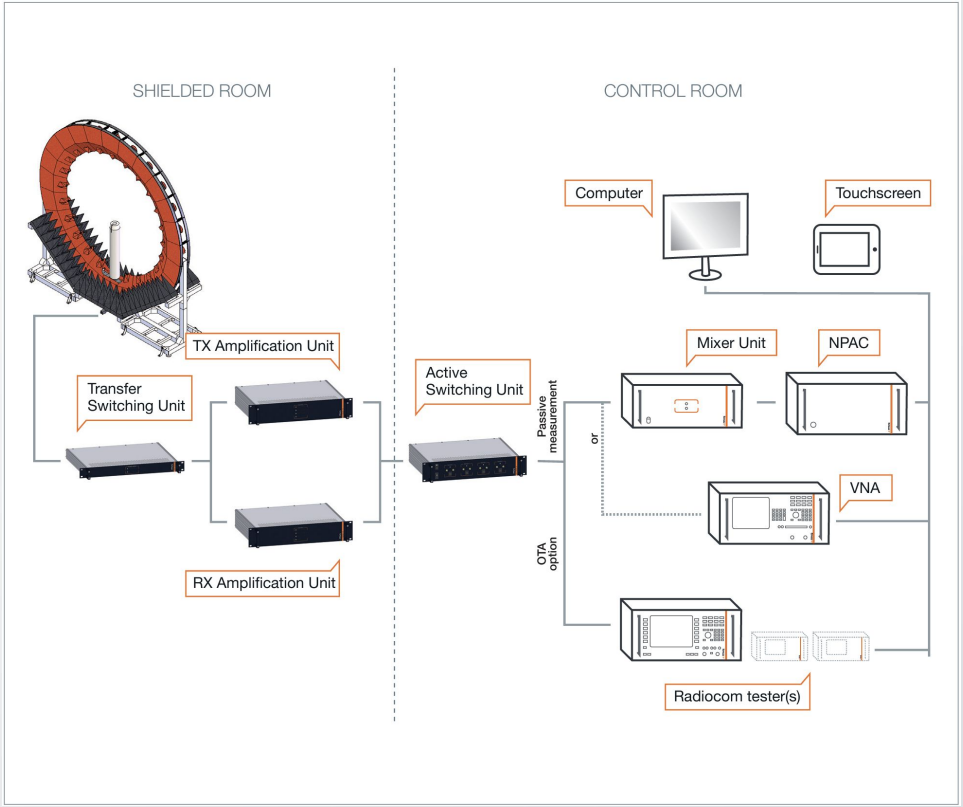
  - Test Method
- Antenna Performance
  - 5G Antenna
  - 6G Antenna
  - SA Antenna
  - BT Antenna

AUT Environment

Instrument Information



Calibration Record

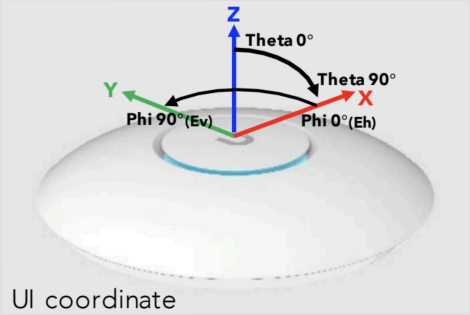
- Full system calibration, including each instrument, will proceed once per year.
- Regular calibration, including efficiency/peak gain consistency check, will proceed with bi-monthly.

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

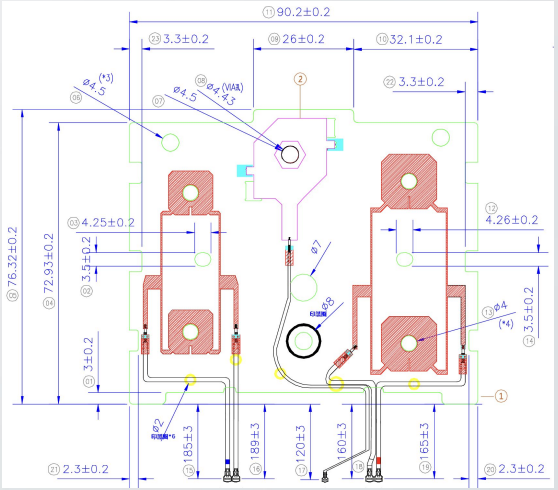
- To fix device on the turntable, and laser positioning the height level in the center of the probe.
- Align the chamber coordinate and UI coordinate.
- Sampling the antenna pattern according to Phi increment 5° / Theta increment 5°.
- Finished 3D data collection along with Theta-175°~Theta175° and Phi0°~Phi180°
- Frequency resolution setup depends on the different bands.

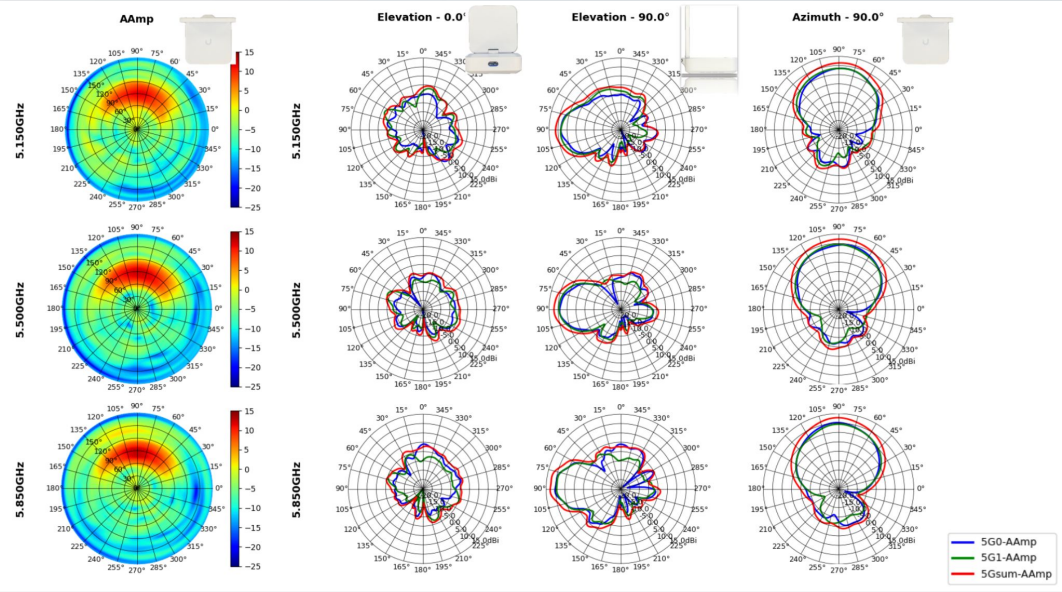


UI coordinate

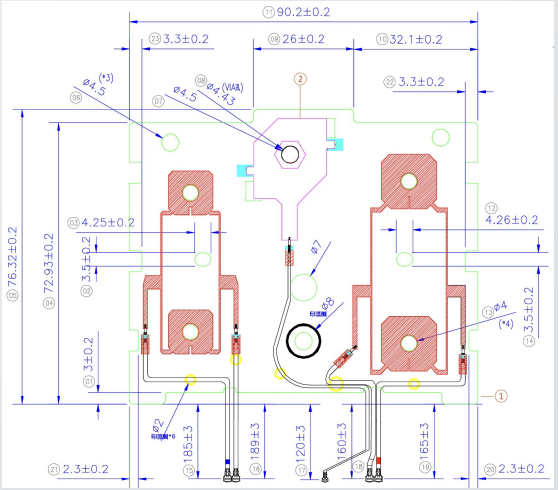
Antenna Performance

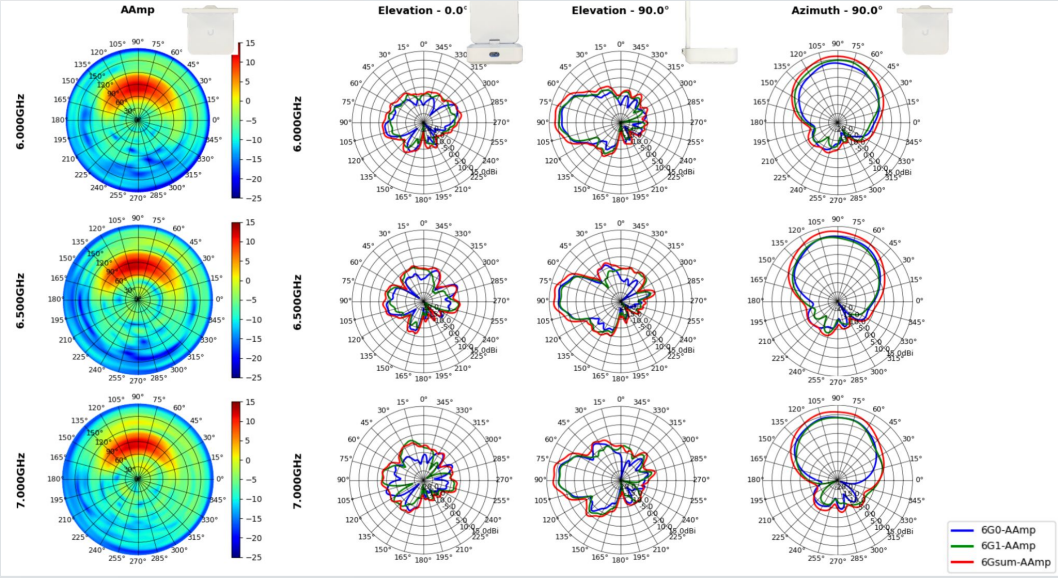
[AirWire] 5G Antenna Performance

	WIFI 5G
Working frequency	5150 - 5850 MHz
Antenna type	Patch
Gain	11.0 dBi
Model	117-06371
Drawing	

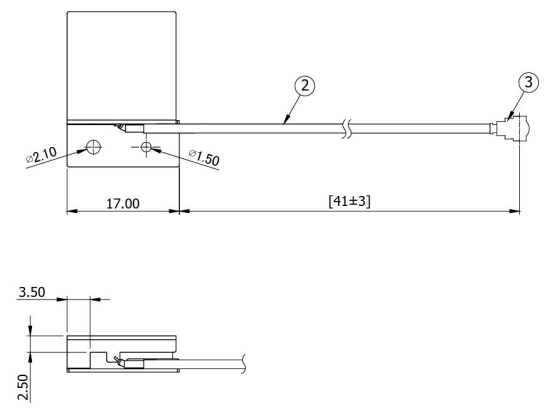


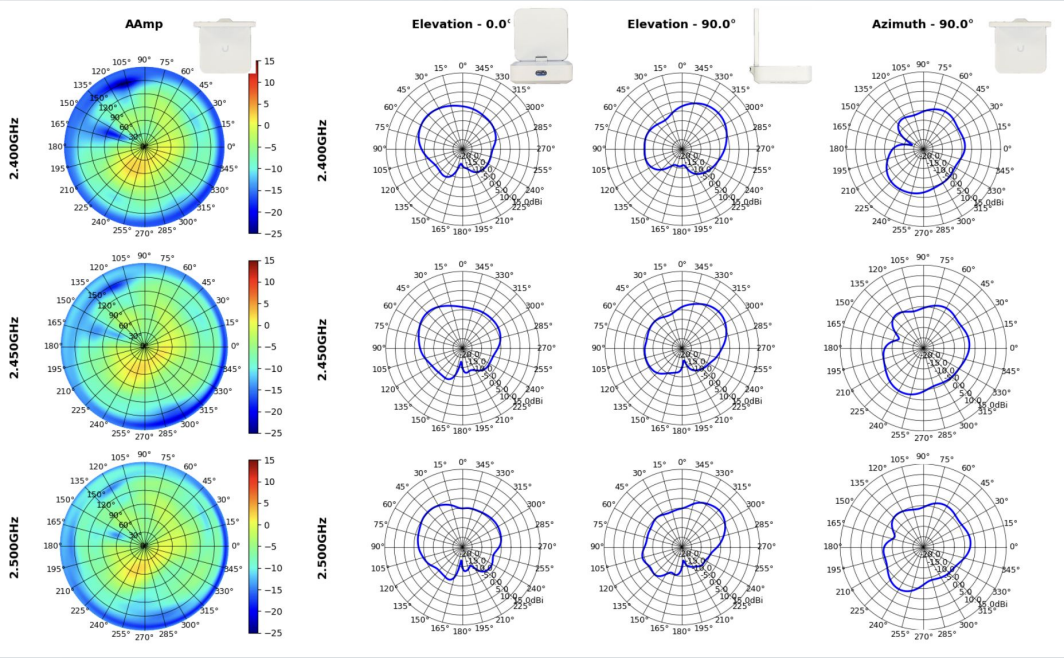
[AirWire] 6G Antenna Performance

	WIFI 6G
Working frequency	5950 - 7125 MHz
Antenna type	Patch
Gain	11.0 dBi
Model	117-06371
Drawing	



[AirWire] BT Antenna Performance

	BT
Working frequency	2400 - 2500 MHz
Antenna type	PIFA
Gain	5.0 dBi
Model	117-06280
Drawing	



Manufacturer: Ubiquiti Inc.
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