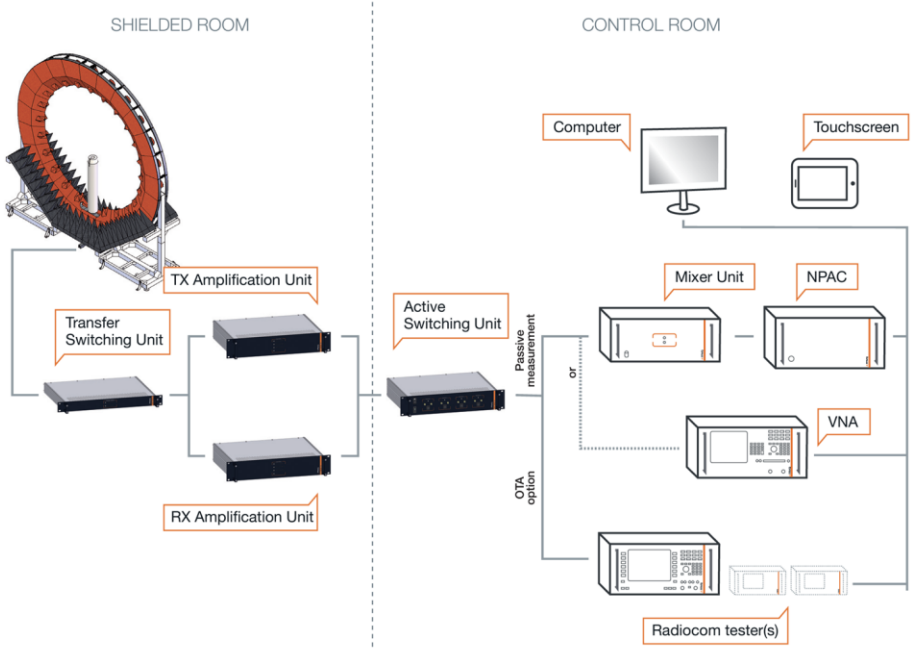
UVC-G6-INS-W Antenna Report

Outline

- AUT Environment
  - Instrument Information
  - Test Method
- Antenna Performance
  - 2G Antenna
  - 5G Antenna

AUT Environment

Instrument Information

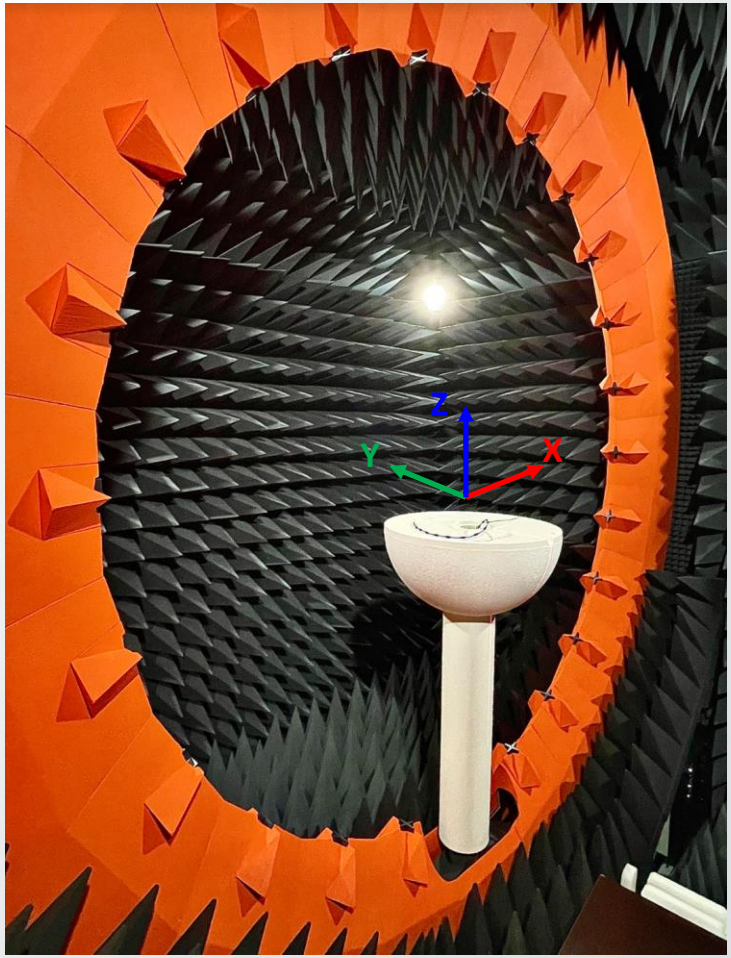


Calibration Record

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

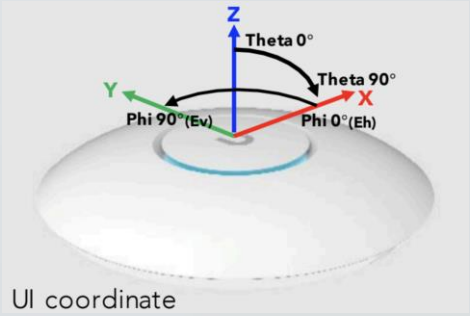
Instrument List	Model	Calibration Date	Calibration Due Date
Transfer Switching	MVG	2024/11/13	2025/11/12
TX Amplification	MVG	2024/11/13	2025/11/12
RX Amplification	MVG	2024/11/13	2025/11/12
Active Switching	MVG	2024/11/13	2025/11/12
Network Analyzer	R&S ZNB	2024/11/13	2025/11/12
Radiocom Tester	Anritsu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

Test Method



Measurement Standard

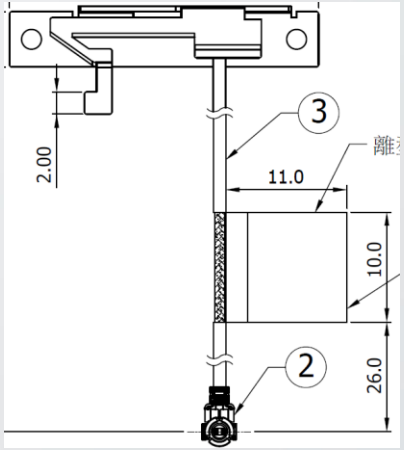
- To fix device on the turntable, and laser positioning the height level in the center of the probe.
- Align the chamber coordinate and UI coordinate.
- Sampling the antenna pattern according to Phi increment 5º / Theta increment 5º.
- Finished 3D data collection along with Theta-175º~Theta175º and Phi0º~Phi180º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

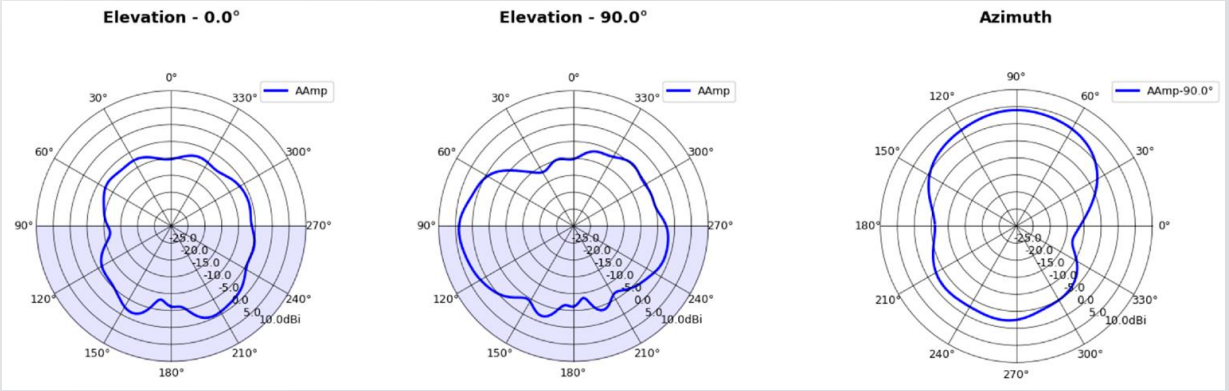


UI coordinate

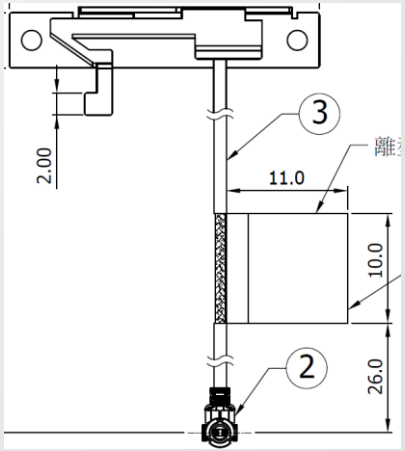
Antenna Performance

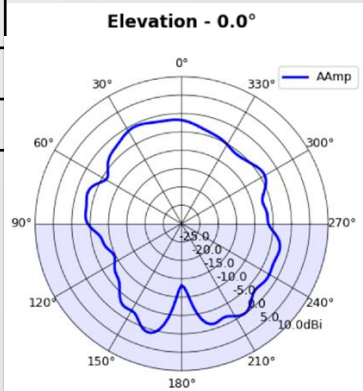
[UVC-G6-INS-W] 2G Antenna Performance

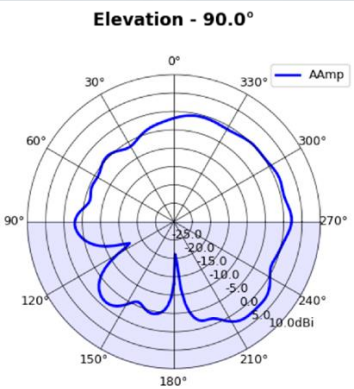
	WIFI 2G
Working frequency	2400-2500 MHz
Antenna type	PIFA
Gain	5.5 dBi
Model	117-06159
Drawing	

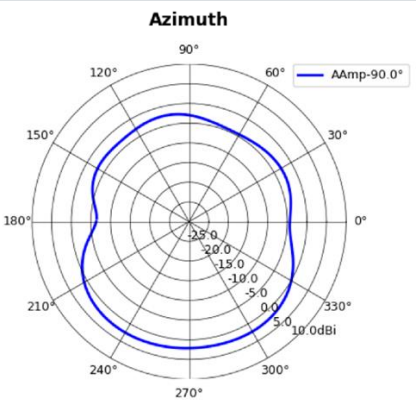


[UVC-G6-INS-W] 5G Antenna Performance

	WIFI 5G
Working frequency	5150-5850 MHz
Antenna type	PIFA
Gain	4.5 dBi
Model	117-06159
Drawing	







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