



UTR-LR

Antenna Report

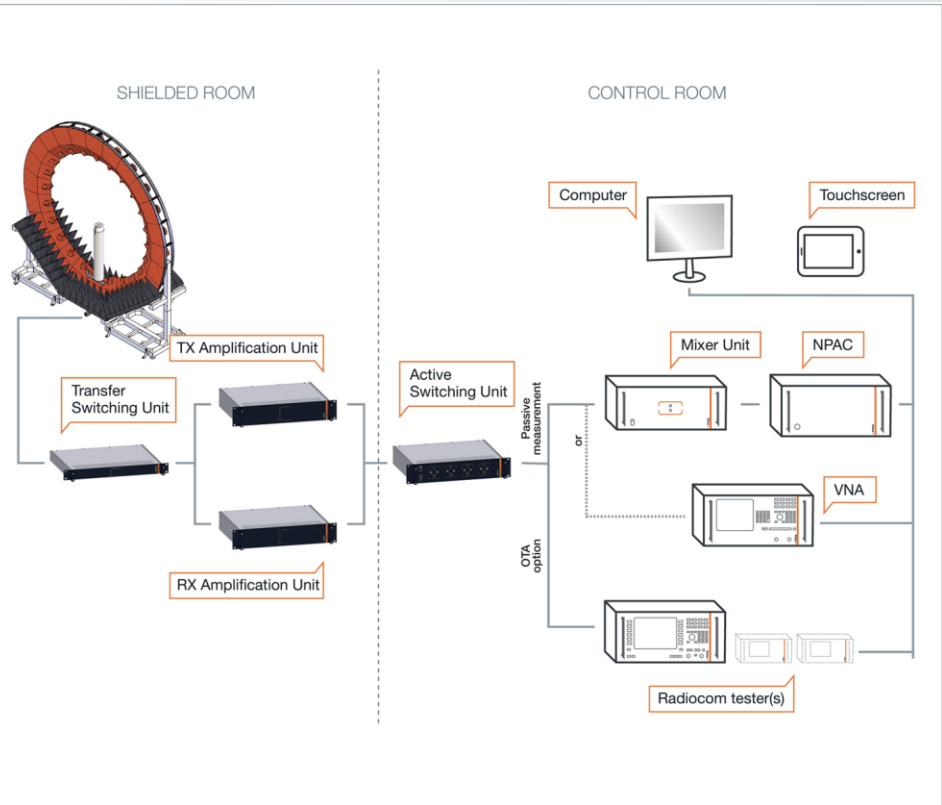
Authorized by: Hans Chen



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 - WIFI 2G Antenna
 - WIFI 5G Antenna



AUT Environment

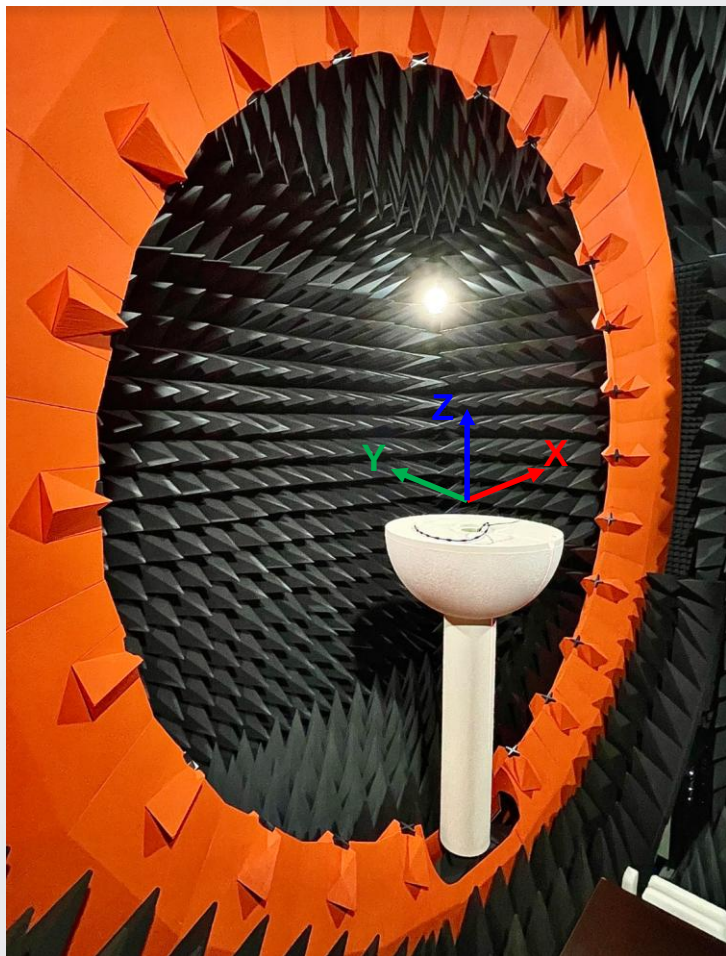


Calibration Record

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

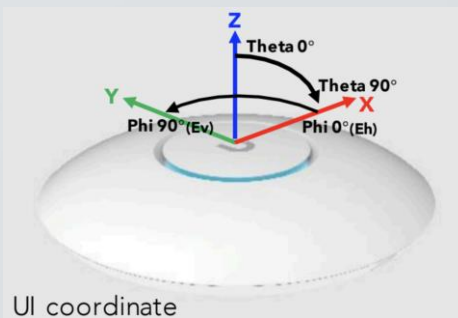
Instrument List	Manufacturer	Calibration Date	Calibration Due Date
Transfer Switching	MVG	2025/11/13	2026/11/12
TX Amplification	MVG	2025/11/13	2026/11/12
RX Amplification	MVG	2025/11/13	2026/11/12
Active Switching	MVG	2025/11/13	2026/11/12
Network Analyzer	R&S ZNB	2025/11/13	2026/11/12
Radiocom Tester	Anritsu MT8821	2025/11/13	2026/11/12
Full System	SG24-Standard	2025/11/13	2026/11/12

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° ~Theta 175° and Phi 0° ~Phi 180°
- Frequency resolution setup depends on the different bands.



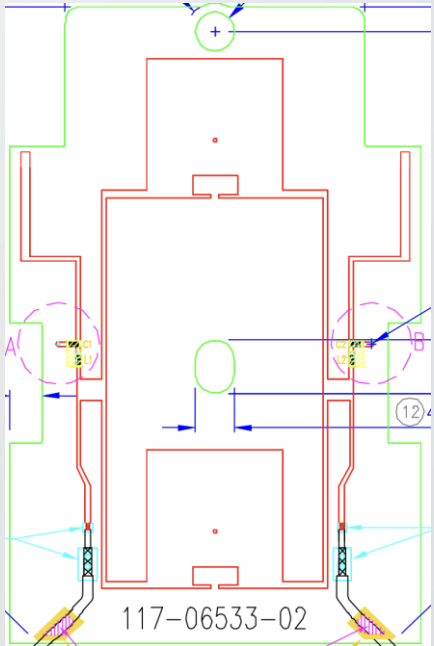
UI coordinate

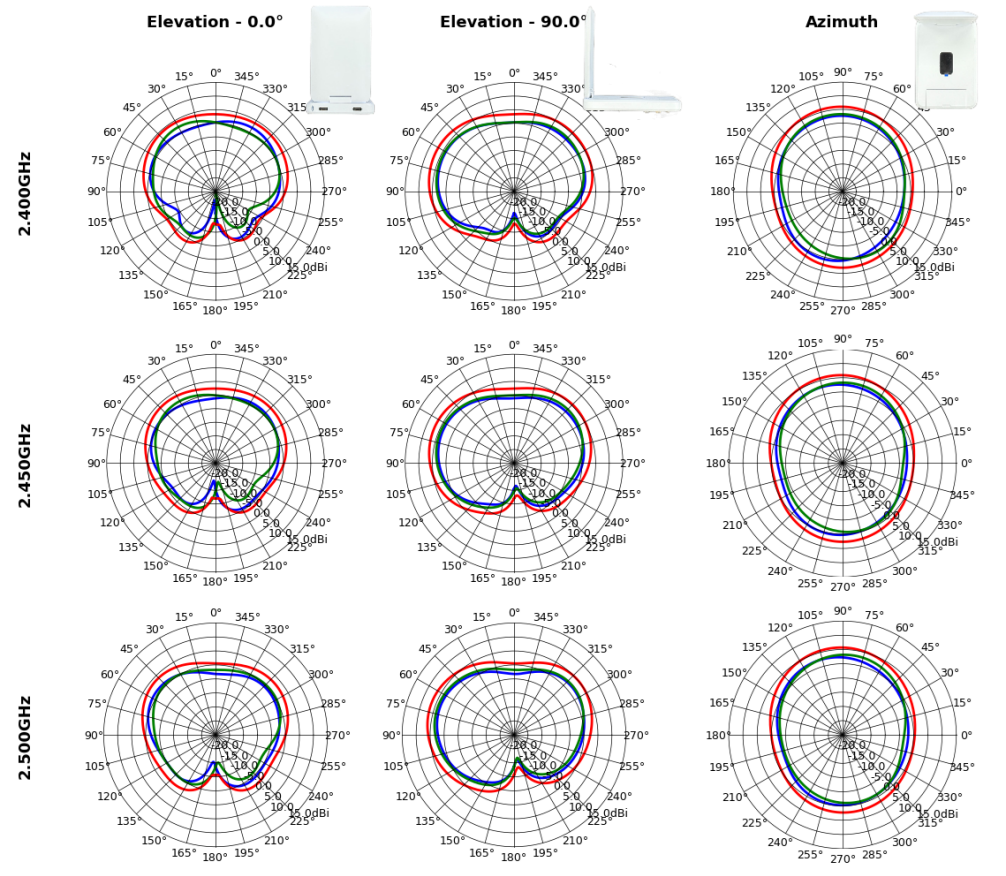


Antenna Performance

[UTR-LR] WIFI 2G Antenna Performance

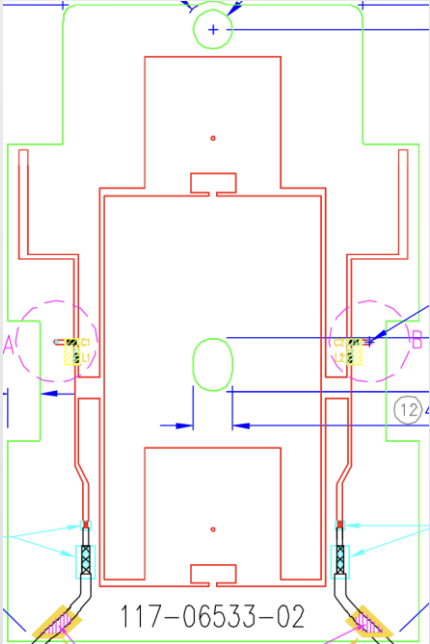


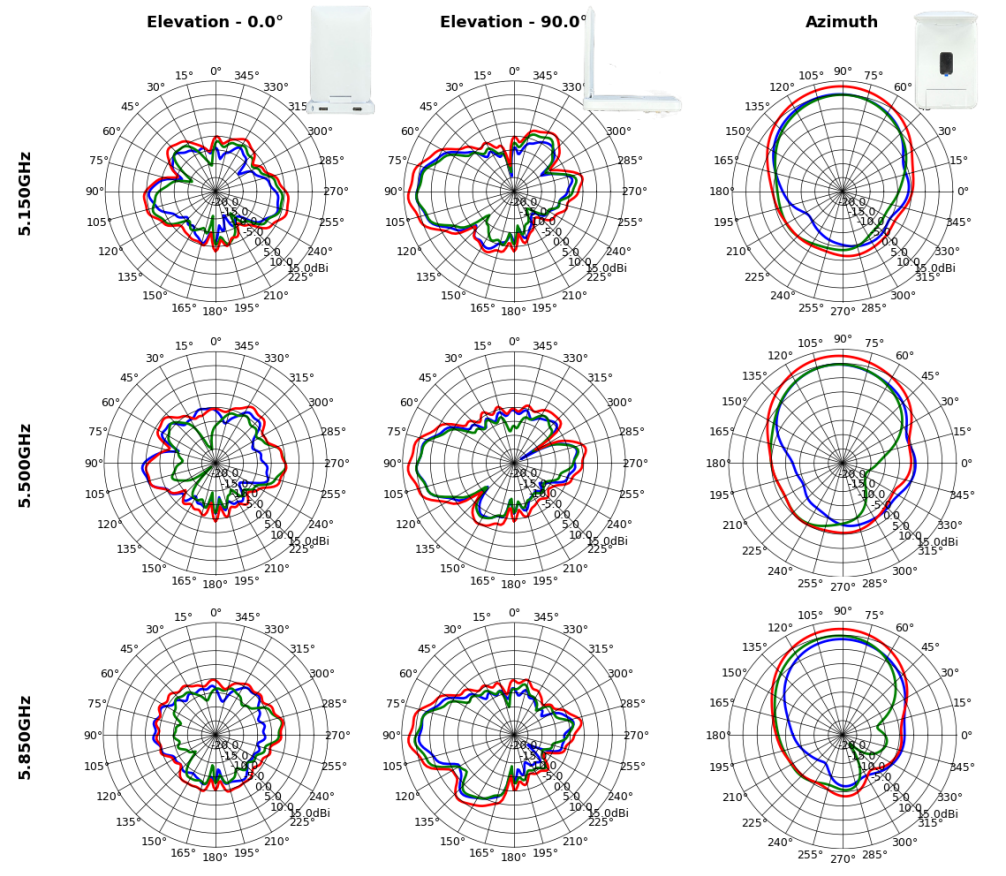
	WIFI 2G
Working frequency	2400-2500 MHz
Antenna type	Monopole
Gain	4.0
Model	117-06533
Drawing	



[UTR-LR] WIFI 5G Antenna Performance

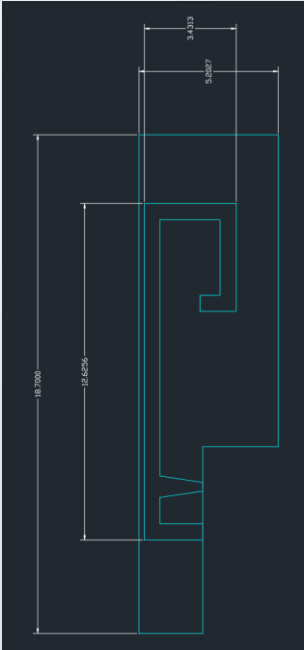


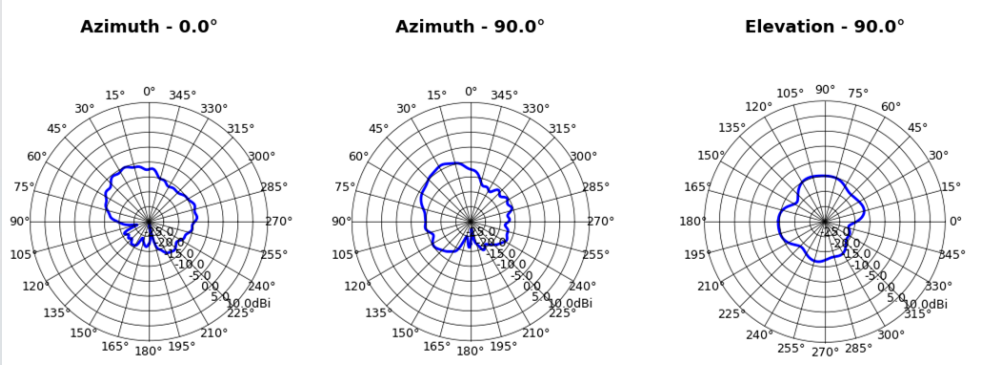
	WIFI 5G
Working frequency	5150-5850 MHz
Antenna type	Patch
Gain	10.0
Model	117-06533
Drawing	



[UTR-LR] BT Antenna Performance



	BT
Working frequency	2400-2500 MHz
Antenna type	PIFA
Gain	-6dBi
Model	117-03736
Drawing	





Manufacturer: Ubiquiti Inc.

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