



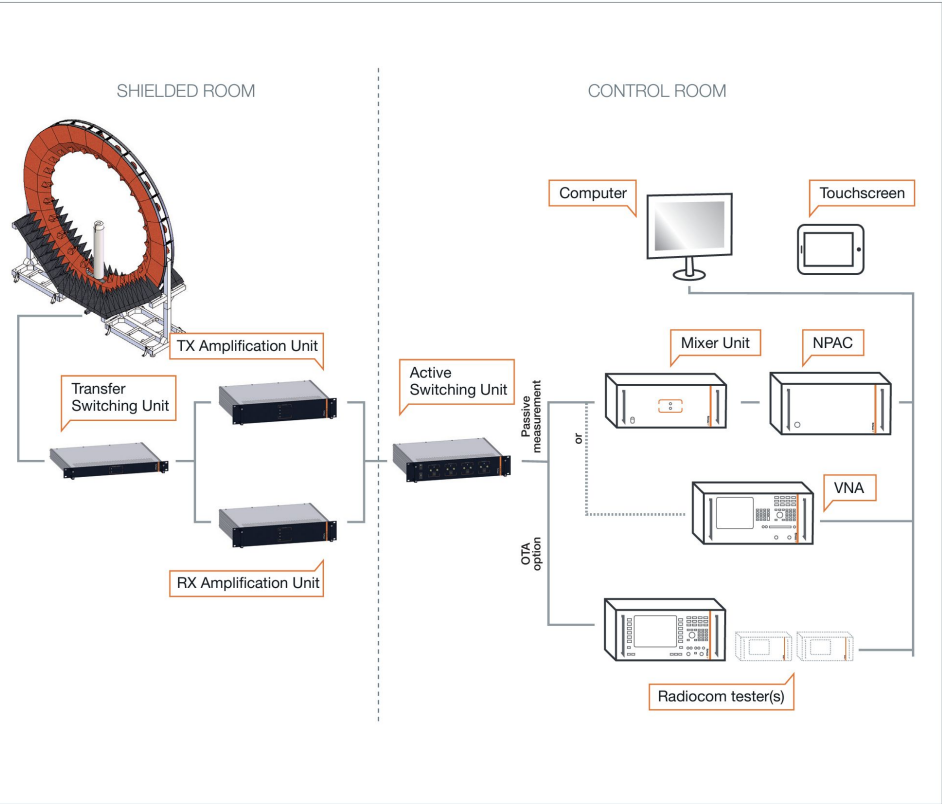
UPL-Port-W/-B Antenna Datasheet



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- Antenna Performance
 - 2G Antenna
 - 5G Antenna
 - BT 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.

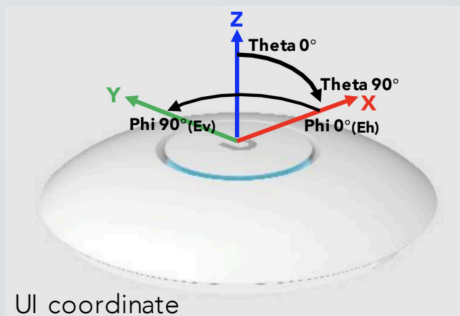
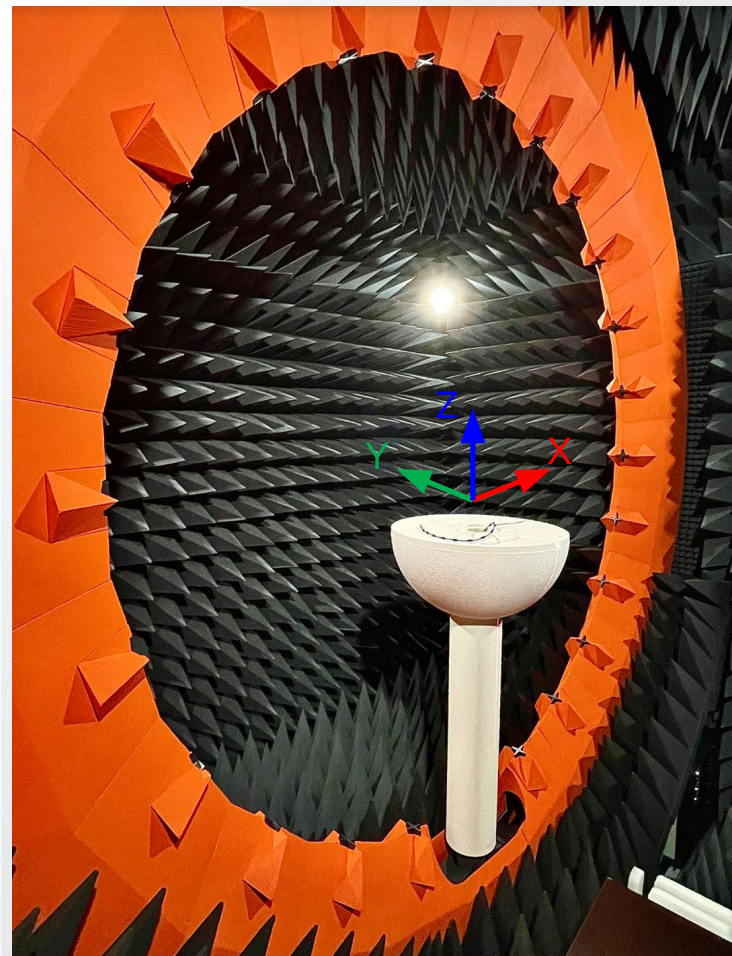
Instrument List	Manufacturer	Calibration Date	Calibration Due Date
Transfer Switching	MVG	2024/11/13	2025/11/12
TX Amplification	MVG	2024/11/13	2025/11/12
RX Amplification	MVG	2024/11/13	2025/11/12
Active Switching	MVG	2024/11/13	2025/11/12
Network Analyzer	R&S ZNB	2024/11/13	2025/11/12
Radiocom Tester	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 Phi $0^\circ \sim \text{Phi}180^\circ$
- Frequency resolution setup depends on the different bands.



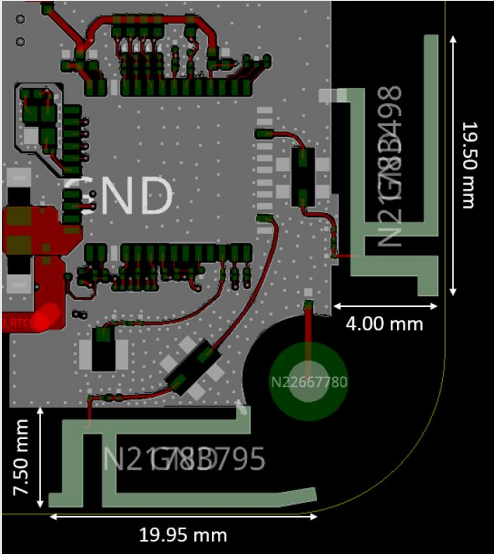
UI coordinate

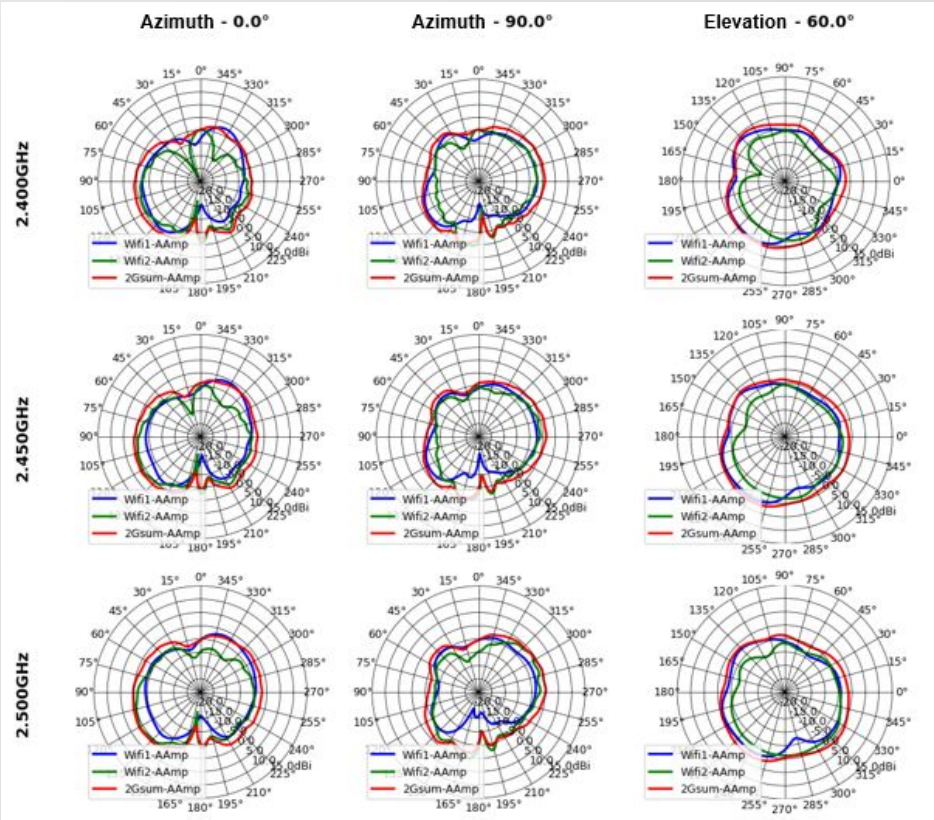


Antenna Performance

[UPL-Port] 2G Antenna Performance

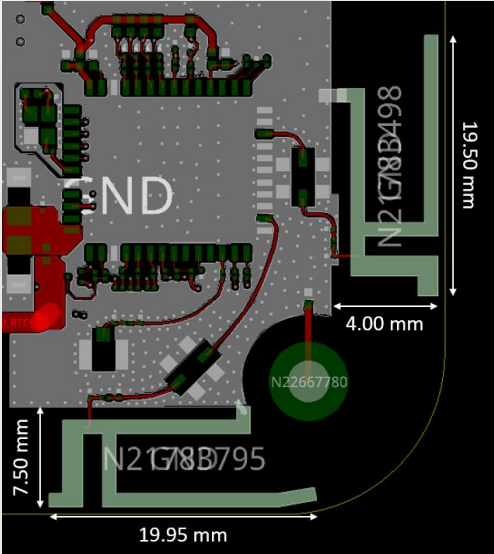


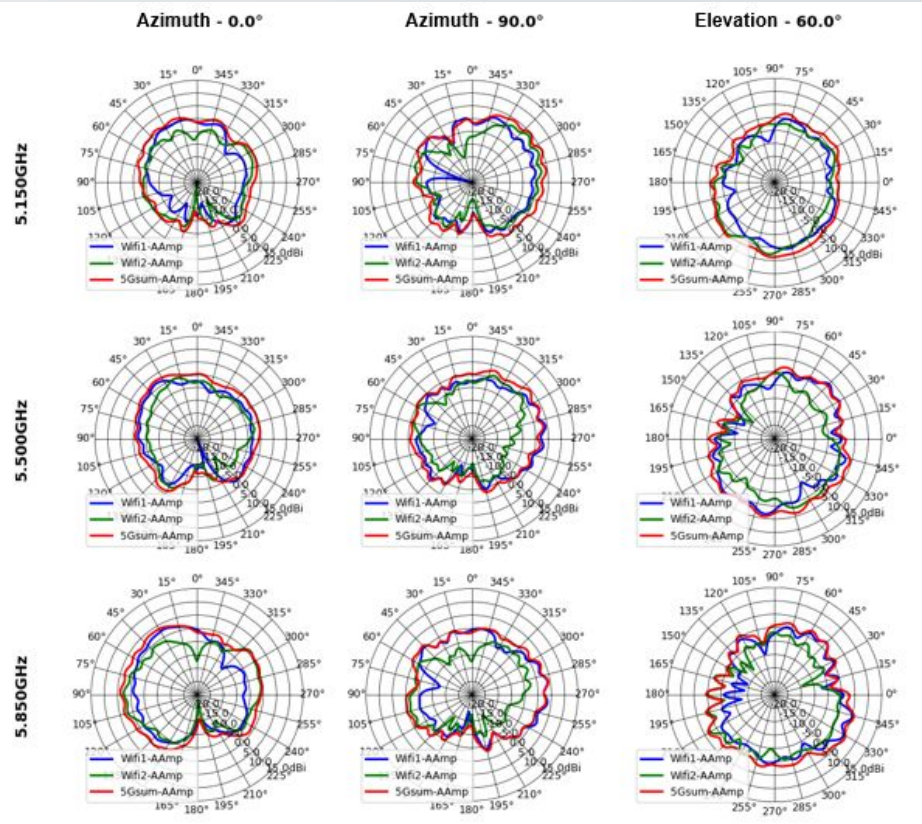
	2G
Working frequency	2400-2500 MHz
Antenna type	PIFA
Gain	2dBi
Model	117-06112 / 117-06113
Drawing	 The drawing shows a top-down view of the antenna layout on a PCB. Key dimensions include a total width of 19.95 mm, a total height of 19.50 mm, and a central circular element with a diameter of 4.00 mm. Labels include 'ND', 'N21718B498', 'N21718B795', and 'N22667780'. Various electronic components and traces are visible.



[UPL-Port] 5G Antenna Performance

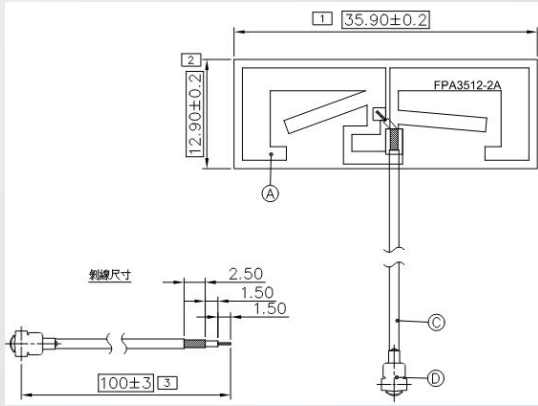


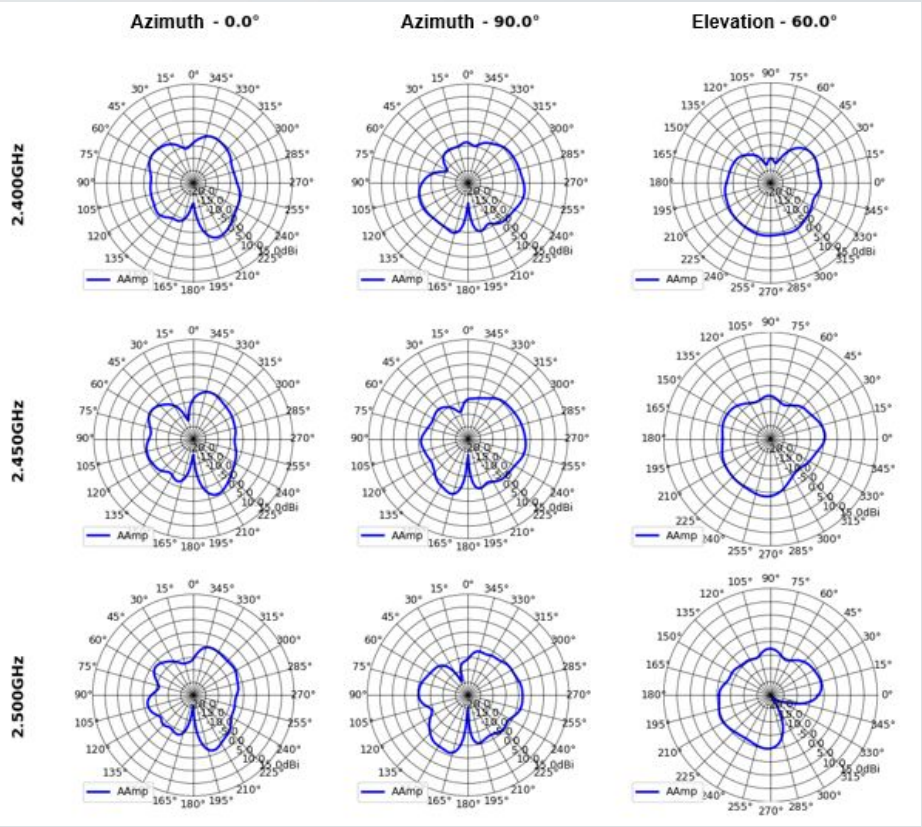
	5G
Working frequency	5150-5815 MHz
Antenna type	PIFA
Gain	6dBi
Model	117-06112 / 117-06113
Drawing	



[UPL-Port] BT Antenna Performance



	BT
Working frequency	2400-2500 MHz
Antenna type	Dipole antenna
Gain	1dBi
Model	117-06257
Drawing	





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