



UA-Retrofit-Reader Antenna Datasheet

Jerome Cheng

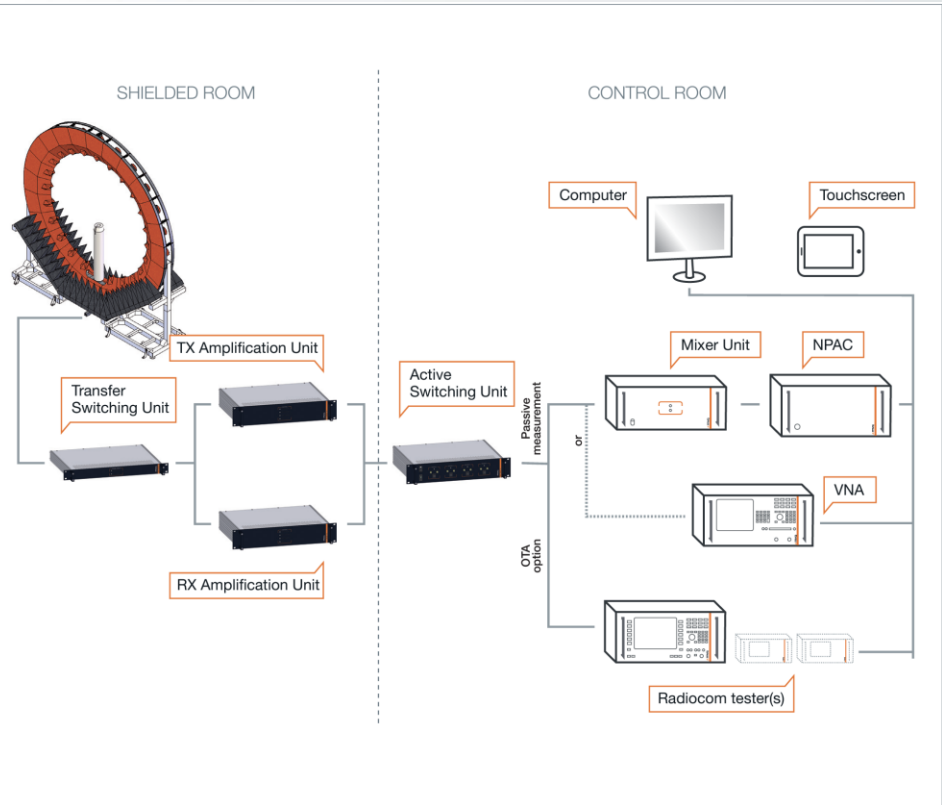


- AUT Environment
 - Instrument Information
 - Test Method
- Antenna Performance
 - BLE Antenna
 - NFC Antenna



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.

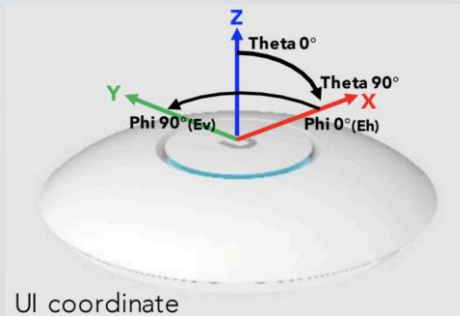
Instrument List	Model	Calibration Date	Calibration Due Date
Transfer Switching	MVG	2024/11/13	2025/11/12
TX Amplification	MVG	2024/11/13	2025/11/12
RX Amplification	MVG	2024/11/13	2025/11/12
Active Switching	MVG	2024/11/13	2025/11/12
Network Analyzer	R&S ZNB	2024/11/13	2025/11/12
Radiocom Tester	Anritsu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



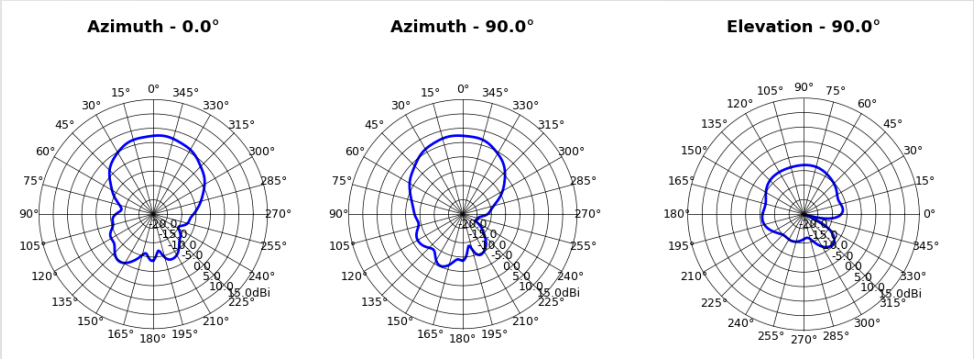


Antenna Performance

[UA-Retrofit-Reader] BLE Antenna Performance



	BLE
Working frequency	2400-2500 MHz
Antenna type	PIFA
Gain	5.0dBi
Model	117-06367
Drawing	Front View 1 22.59±0.2 2 6.00±0.2 5 0.25 max. 不含離型紙 FPA2206-2A A B C D



[UA-Retrofit-Reader] NFC Antenna Performance



	NFC
Working frequency	13.56 MHz
Antenna type	Loop
Gain	0dBi
Model	117-06368
Drawing	



Manufacturer: Ubiquiti Inc.

Address: 685 3rd Avenue Floor New York, NY 10017 United States