



UVC-G6-Edge-Bullet Antenna Report

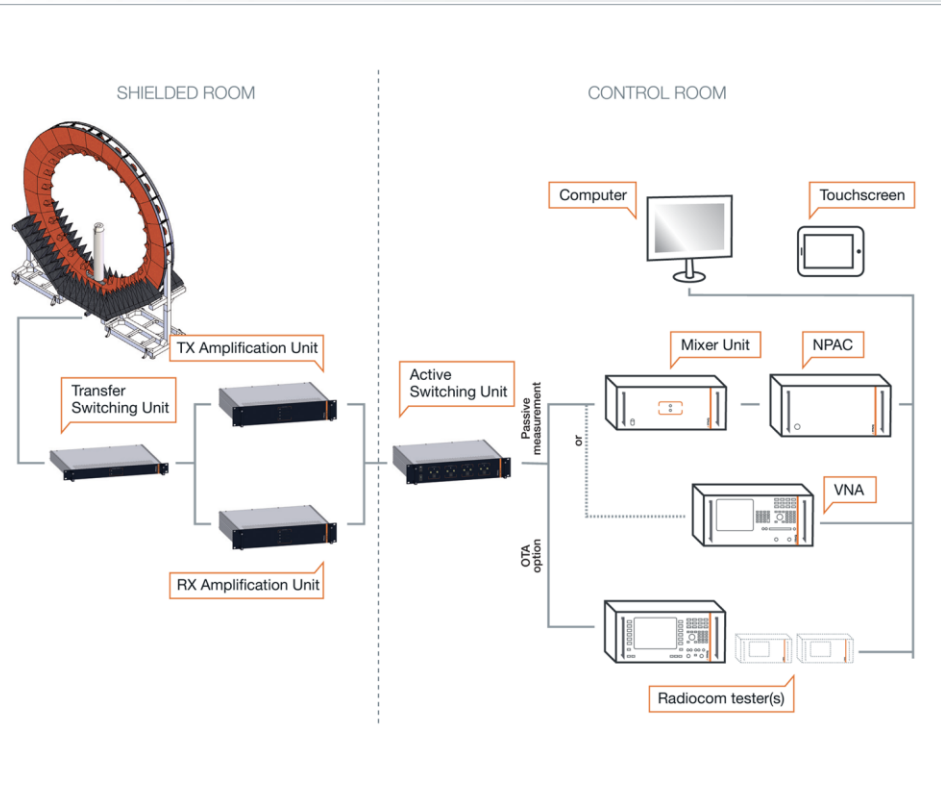
Jerome Cheng



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AUT Environment



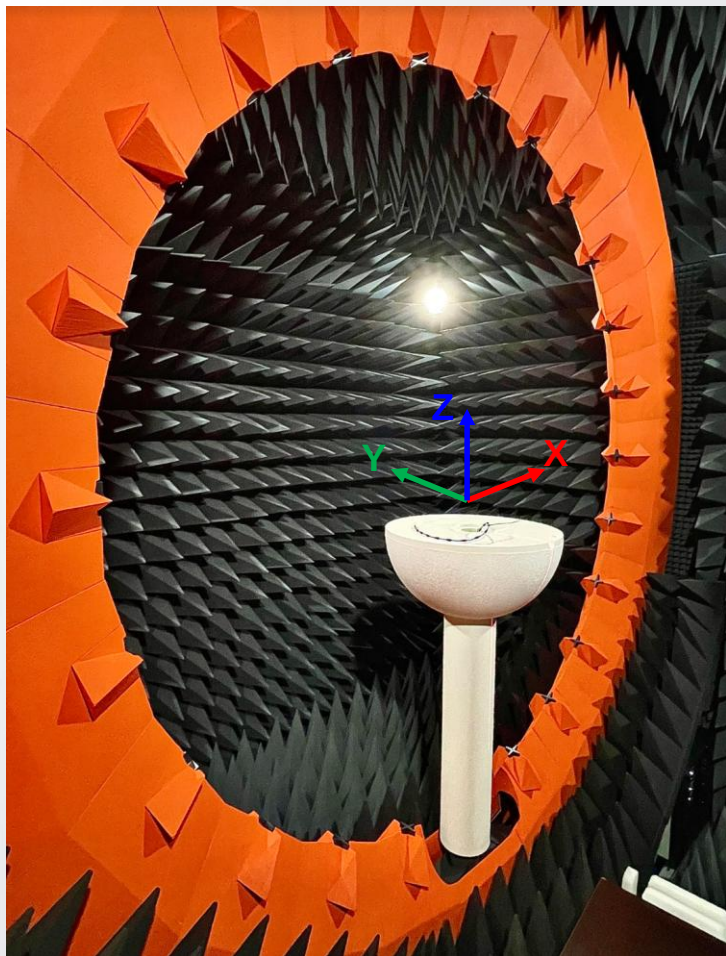
Calibration Record

- 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	Model	Calibration Date	Calibration Due Date
Transfer Switching	MVG	2026/01/13	2027/01/12
TX Amplification	MVG	2026/01/13	2027/01/12
RX Amplification	MVG	2026/01/13	2027/01/12
Active Switching	MVG	2026/01/13	2027/01/12
Network Analyzer	R&S ZNB	2026/01/13	2027/01/12
Radiocom Tester	Anritsu MT8821	2026/01/13	2027/01/12
Full System	SG24-Standard	2026/01/13	2027/01/12

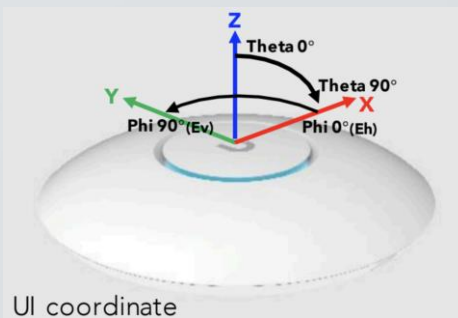


Test Method



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.



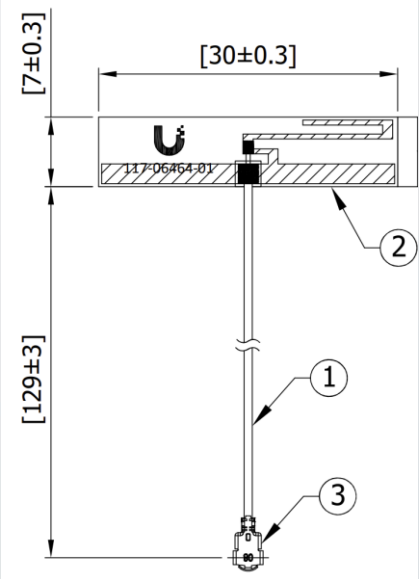
UI coordinate

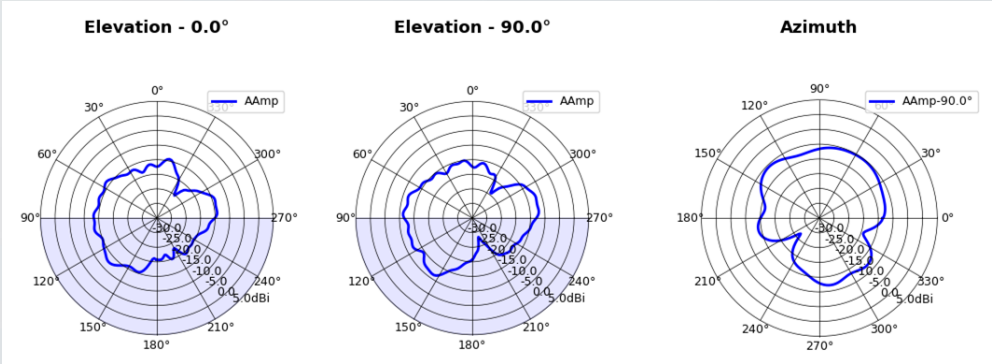


Antenna Performance

[UVC-G6-Edge-Bullet] BLE Antenna Performance



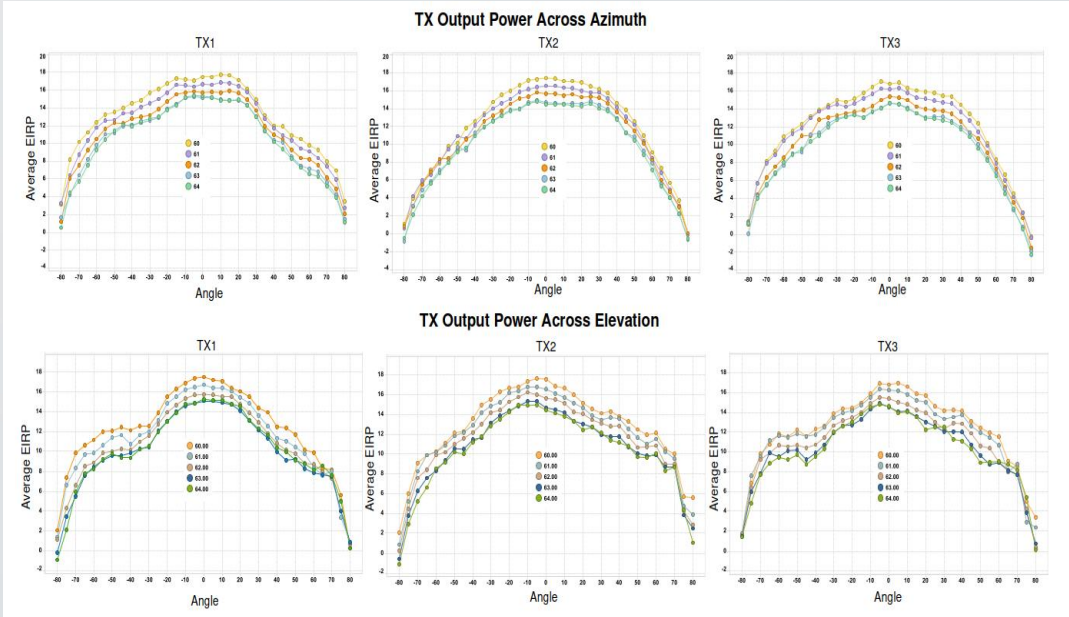
	BLE
Working frequency	2400-2500 MHz
Antenna type	PIFA
Gain	-5.0 dBi
Model	117-06464
Drawing	 Technical drawing of the antenna assembly. The drawing shows a top view of the antenna with dimensions: a width of $[7\pm0.3]$ and a length of $[30\pm0.3]$. A U-shaped antenna element is shown on a substrate. A label '117-06464-01' is present. A vertical dimension of $[129\pm3]$ is shown for the total height. Three callouts are present: (1) points to the antenna element, (2) points to the mounting bracket, and (3) points to the connector.



[UVC-G6-Edge-Bullet] 60G Antenna Performance



	60G
Working frequency	60 GHz
Antenna type	Patch
Gain	5.2 dBi
Model	IW6843AOP
Drawing	





Manufacturer: Ubiquiti Inc.
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States