

## **E7 Audience US Antenna Datasheet**



#### Outline



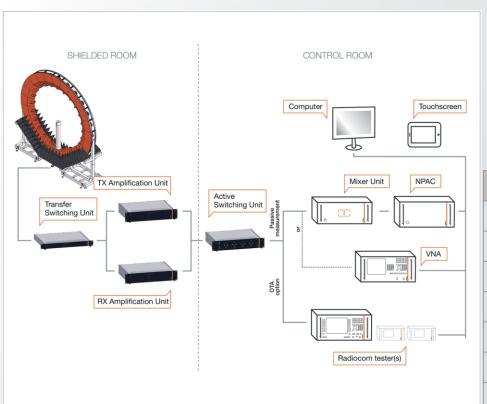
- AUT Environment
  - Instrument Information
  - Test Method
- Antenna Performance
  - 2G Antenna
  - 5G Antenna
  - 6G Antenna



# **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

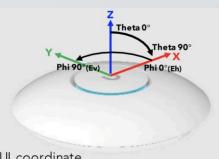
#### Test Method





#### **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-175°~Theta175° and Phi0°~Phi180°
- Frequency resolution setup depends on the different bands.



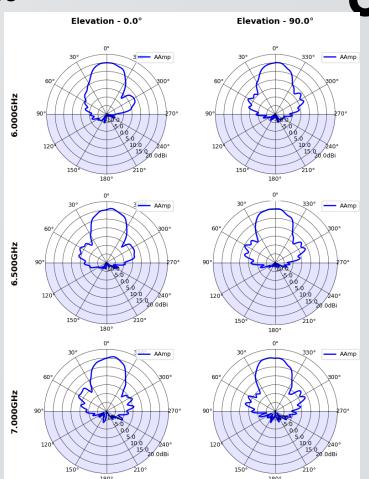
UI coordinate



# **Antenna Performance**

#### [Small Cell 6G Low Band] Antenna Performance

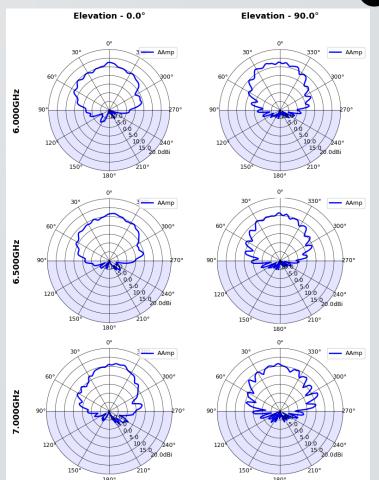
	WIFI	
Working frequency	5925 – 7125 MHz	
Antenna type	Patch 2x2	
Gain	15 dBi (Combined Gain)	
Model	117-06016	
Drawing	33 (13 (2) (19 (2) (2) (36 (37 (2) ) (10 (3) (9 (3) (8) (7) (8) (29 (2) (1) (3) (9 (3) (4) (10 (1) (1) (10 (1) (10 (1) (10 (1) (10 (1) (10 (1) (1) (10 (1) (10 (1) (1) (10 (1) (10 (1) (10 (1) (1) (10 (1) (10 (1) (1) (10 (1) (1) (10 (1) (1) (10 (1) (1) (10 (1) (1) (1) (10 (1) (1) (1) (10 (1) (1) (1) (10 (1) (1) (1) (10 (1) (1) (1) (1) (1) (10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	



## [Large Cell 6G Low Band] Antenna Performance



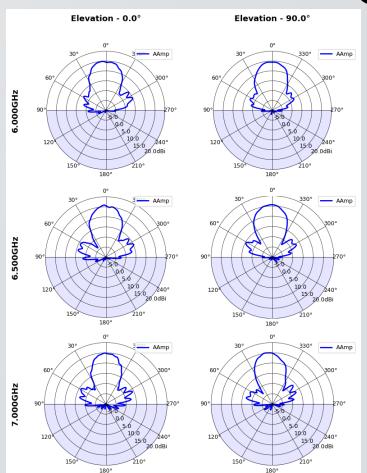
	WIFI	
Working frequency	5925 – 7125 MHz	
Antenna type	Patch 1x1	
Gain	11 dBi (Combined Gain)	
Model	117-06016	
Drawing	33 (13) (22) (19) 20) (21) (36) (37) (27) (1) (10) (31) (9) (30) (8) (7) (38) (39) (26) (25) (17) (35) (18) (18) (18) (18) (18) (18) (18) (18	



#### [Small Cell 6G High Band] Antenna Performance



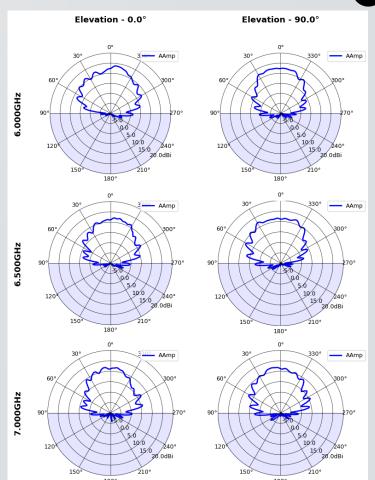
	WIFI	
Working frequency	5925 – 7125 MHz	
Antenna type	Patch 2x2	
Gain	15 dBi (Combined Gain)	
Model	117-06016	
Drawing	33 (13 (22 (19 20 (21 (36 (37) (27 (1 (10 (31) (9 (30 (8 (7) (38 (99 (26 (25 (17 (35 (14 (14 (14 (14 (14 (14 (14 (14 (14 (14	



## [Large Cell 6G High Band] Antenna Performance

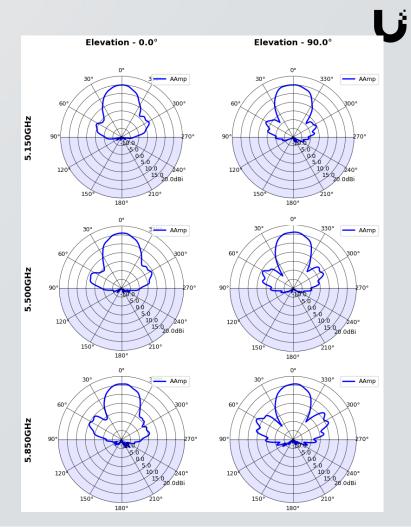


	WIFI
Working frequency	5925 – 7125 MHz
Antenna type	Patch 1x1
Gain	11 dBi (Combined Gain)
Model	117-06016
Drawing	33 (13 (22 (19 20) 21 (36 (37) 27) (1 (10 (31) 9) (30) (8) (7) (8) (39) (26 (25) (17) (35) (18) (18) (18) (18) (18) (18) (18) (18



## [Small Cell 5G] Antenna Performance

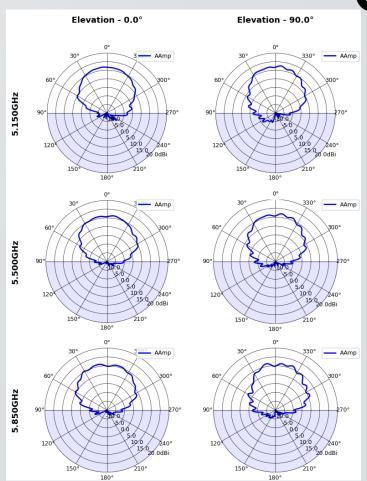
	WIFI
Working frequency	5150 – 5850 MHz
Antenna type	Patch 2x2
Gain	15 dBi (Combined Gain)
Model	117-06016
Drawing	33 (13 (2) (19 (20) (2) (36 (37) (27) (1) (10) (31) (9) (30) (8) (7) (38 (39) (26) (25) (17) (35) (18) (18) (18) (18) (18) (18) (18) (18



## [Large Cell 5G] Antenna Performance

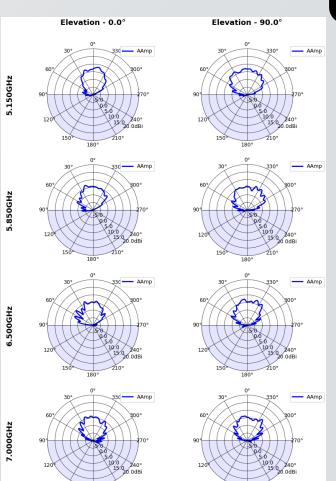
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	WIFI	
Working frequency	5150 – 5850 MHz	
Antenna type	Patch 1x1	
Gain	11 dBi (Combined Gain)	
Model	117-06016	
Drawing	33 (13) (22) (19) (20) (21) (36) (37) (27) (1) (10) (31) (9) (8) (7) (38) (39) (26) (25) (17) (35) (18) (18) (18) (18) (18) (18) (18) (18	



## [Scan Radio] Antenna Performance

	WIFI	
Working frequency	5150 – 7125 MHz	
Antenna type	Patch 1x1	
Gain	7 dBi (Single)	
Model	117-06016	
Drawing	33 (13 (22 (19 20 (21 )36 )37 (27 ) 1 (10 )31 (9 )30 (8 )7 (38 )39 (26 )25 (17 )35 (14 )40 (14 )41 (14	







Manufacturer: Ubiquiti Inc.

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