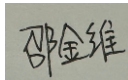


AUT Report

Product Model: Tapo D230

Manufacturer: TP-Link International Shenzhen Co., Ltd.

Test Date: 2024.3.20

Tested By: Shao Jinwei 

TP-LINK CORPORATION PTE. LTD.
7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987

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1. Antenna Distribution

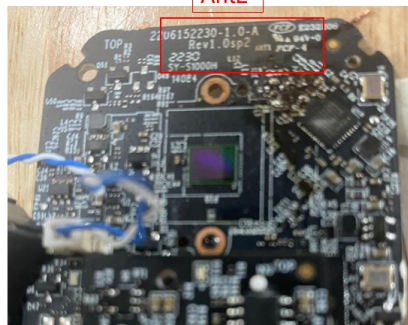
Tapo D230

Ant1



Ant2

Ant2



2. Electrical Characteristics

Ant1

	Ant1
Frequency	918~924MHz
Impedance	50Ohm
Antenna Type	IFA
Antenna Gain	-6.5dBi@918~924MHz
Radiation pattern	Omni-Directional
P/N	Tapo D230-Ant1

Ant2

	Ant2
Frequency	2400MHz~2500MHz
Impedance	50Ohm
Antenna Type	IFA
Antenna Gain	0dBi@2400MHz~2500MHz
Radiation pattern	Omni-Directional
P/N	Tapo D230-Ant2

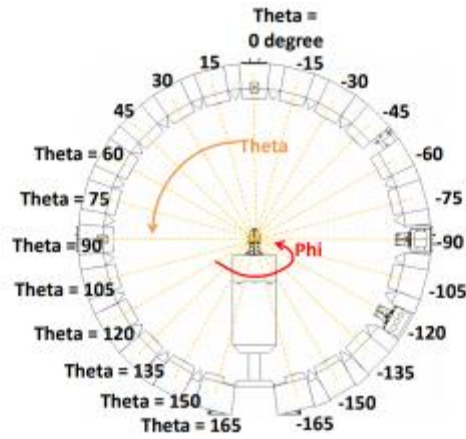


Figure 3-2

Before the measurement, calibrated the vector network analyzer, and then connected the input end of each antenna to the output end of the vector network analyzer, and evenly the antennas to be measured.

Test Equipment listed below:

Equipments	Model	Manufacturer	S/N	Cali. Interval	Cali. Due Date
Chamber	Rayzone2800	GTS(General Test System)	MY5347043 5	12months	2024/01/15
Vector Network Analyzer	E5071C	Keysight	MY46315238	24months	2024/03/13
GTS MaxSign100 Software	V2.1	GTS(General Test System)	/	/	/

3.2 Test Setup

The test setup was shown in Figure 3-3, 3-4:



Figure 3-3

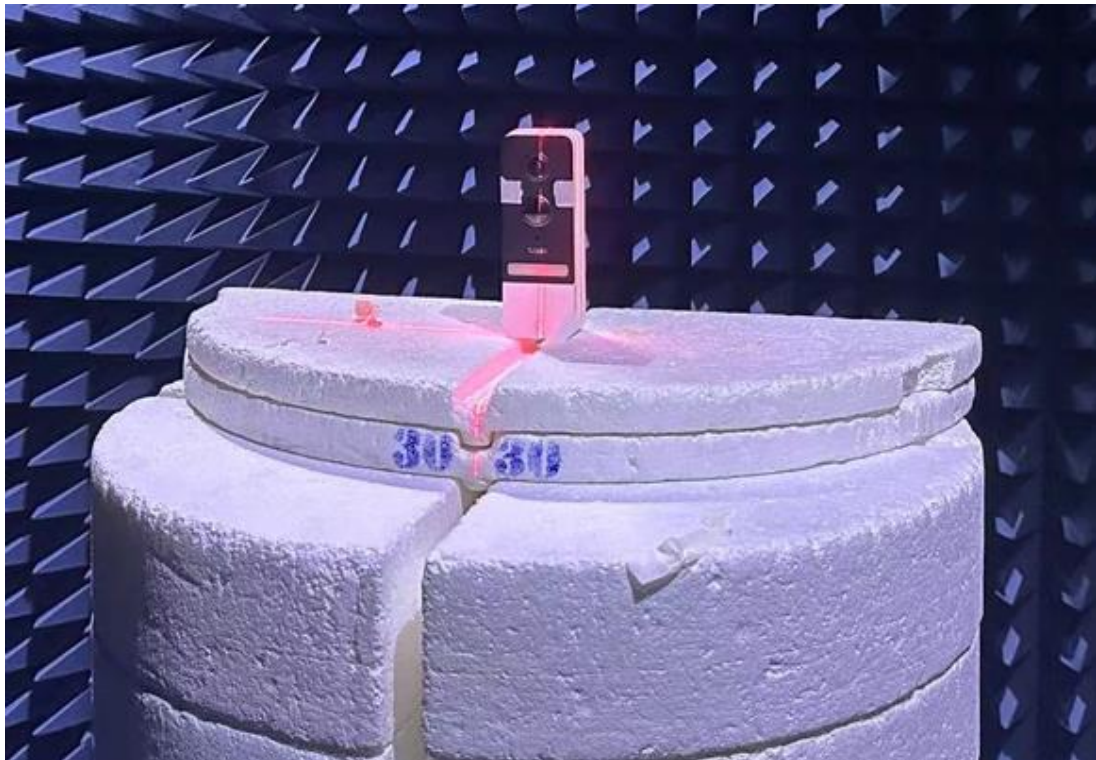
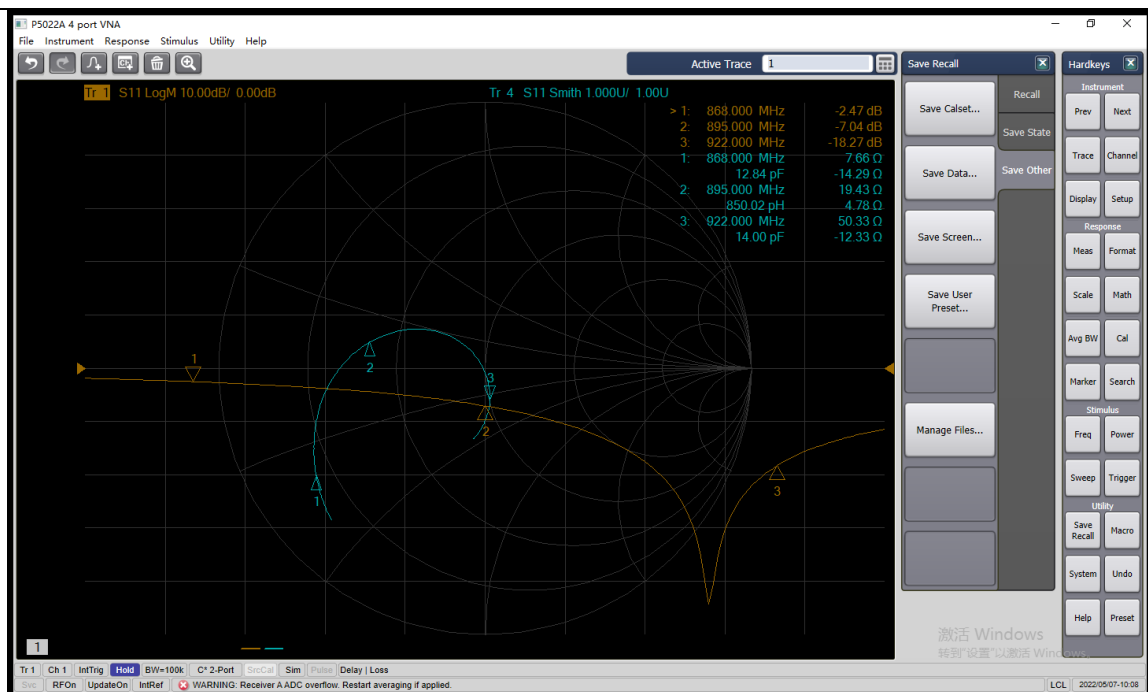


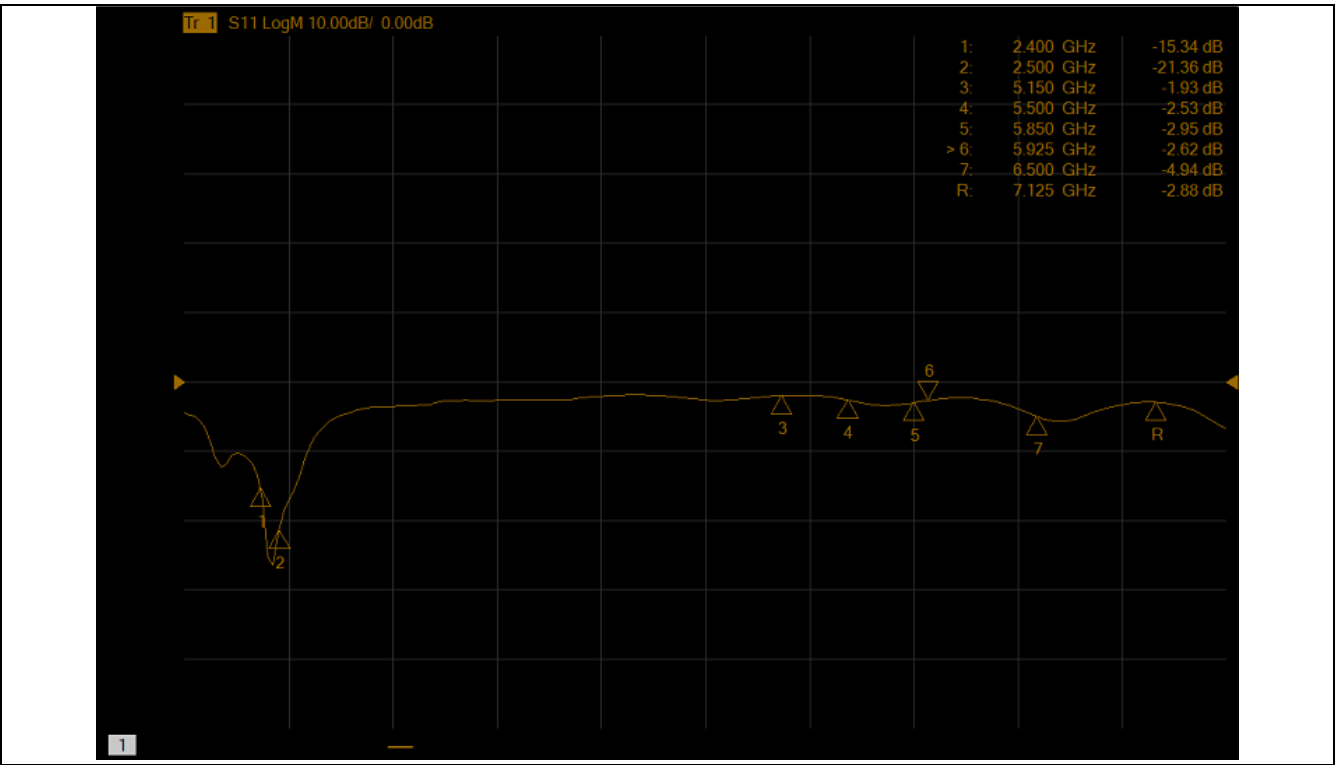
Figure 3-4

3.3 S Parameter Test Data

Ant1



Ant2



3.4 Antenna Gain

3.4.1 Peak Gain

Frequency(GHz)	922MHz	2.45GHz
Ant1 MaxGain(dBi)	-6.50	/
Ant2 MaxGain(dBi)	/	0
Ant1 Polarization/ Φ (°) / θ (°)	Theta/135/90	/
Ant2 Polarization/ Φ (°) / θ (°)	/	Theta/75/90
Max Gain(dBi)	-6.50	0

3.4.2 Horizontal plane Gain

不含 5G 频段。

3.5 Antenna Radiation Pattern

Ant1

