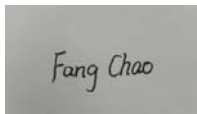


# AUT Report

Product Model: Tapo C110

Manufacturer: TP-LINK CORPORATION PTE. LTD.

Test Date: 2024.05.30

Tested By: Fang Chao 

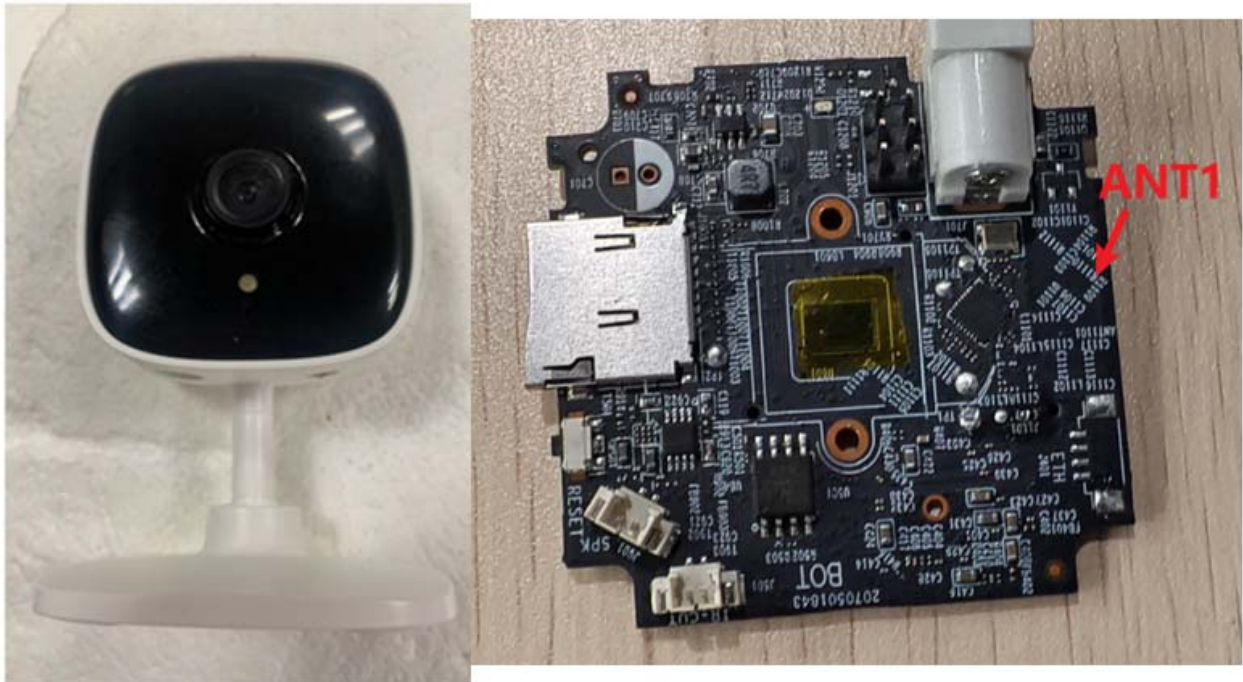
TP-LINK CORPORATION PTE. LTD.  
7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987

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# 1. Antenna Distribution

Tapo C110



## 2. Electrical Characteristics

Ant1	
Frequency	2400~2500MHz
Impedance	50Ohm
Antenna Type	IFA
Antenna Gain	0.5dBi
Radiation pattern	Omni-Directional

## 3. Gain and Radiation Pattern

### 3.1 Measurement Procedure

This measurement experiment adopted an antenna near-field measurement system, and the diagram of the measurement system was shown in Figure 3-1. The excitation signal was generated by the Keysight E5071C (300kHz-20GHz). Under the control of the central computer, the probe rotated in the  $\theta$  direction, and the EUT rotated in the  $\phi$  direction with the turntable. The probe sampling frame received and collected signals in the near-field range of the EUT. The software system which was controlled by the central computer completed the processing, output and display of the test data.



GTS MaxSign100 Software	V2.1	GTS(General Test System)	/	/	/
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## 3.2 Test Setup

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



Figure 3-3

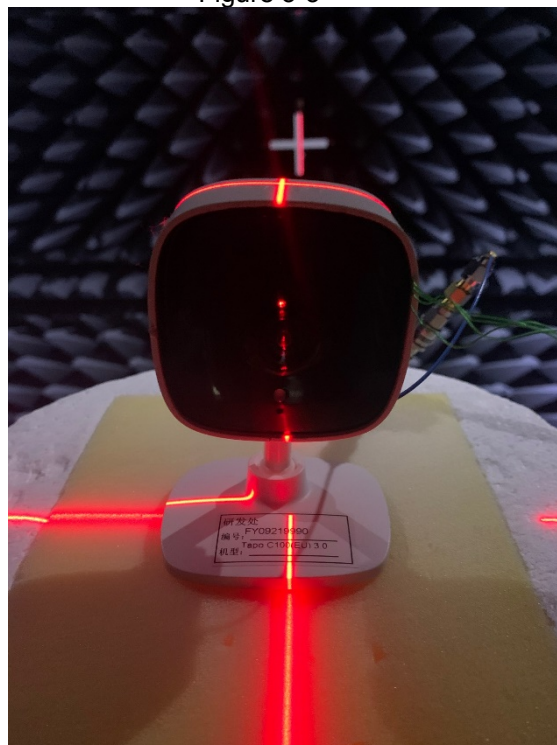
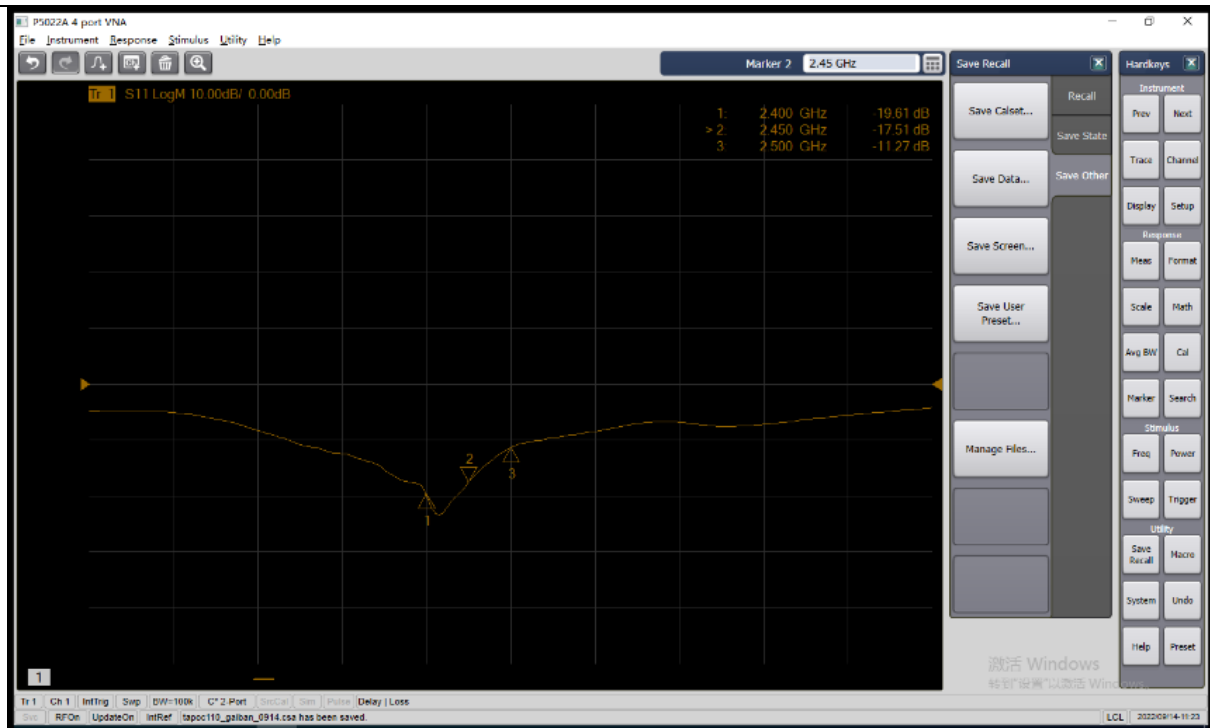


Figure 3-4

## 3.3 S Parameter Test Data

Ant1
------



### 3.4 Antenna Peak Gain

Frequency(GHz)	2.40	2.45
Ant1 MaxGain(dBi)	0.5	0.5
Ant1 Polarization/ $\Phi$ (°)/ $\theta$ (°)	Theta/90/90	Theta/90/90
Max Gain(dBi)	0.5	0.5

### 3.5 Antenna Radiation Pattern

Ant1

# 2450MHz,Horizontal

