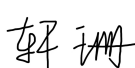


AUT Report

Product Model: BP2200

Manufacturer: tp-link

Test Date: 2023.12.12

Tested By: Xuan Shan 

TP-Link Corporation Limited

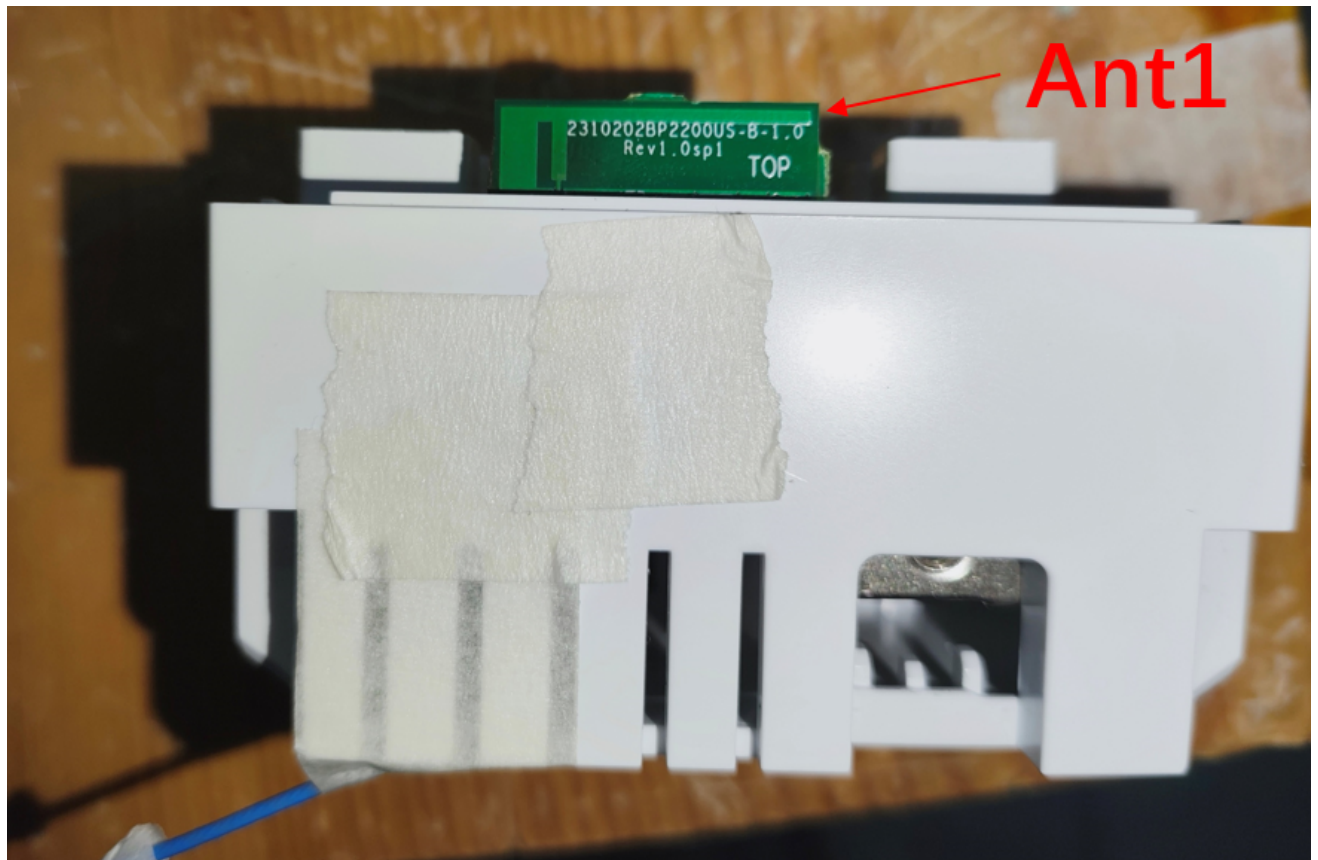
Room 901, 9/F. , New East Ocean Centre,
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1. Antenna Distribution

BP2200



2. Electrical Characteristics

Ant1	
Frequency	2400~2500MHz
Impedance	50Ohm
Antenna Type	IFA
Antenna Gain	2.19dBi@2400~2500MHz
Radiation pattern	Omni-Directional
tp-link P/N	NA

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 θ direction, and the EUT rotated in the ϕ 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

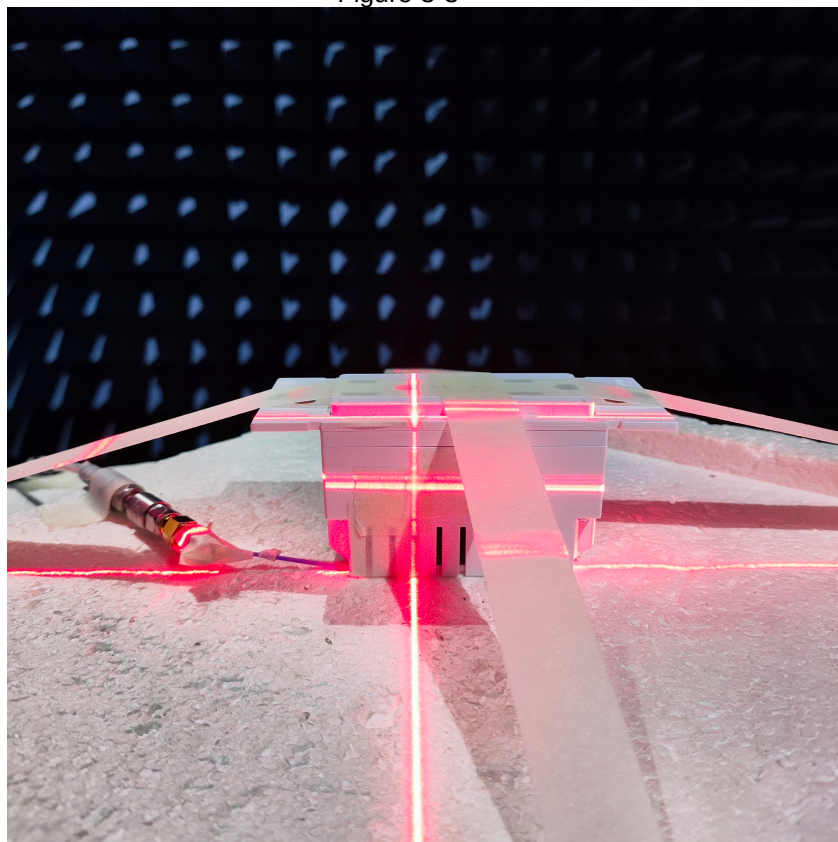
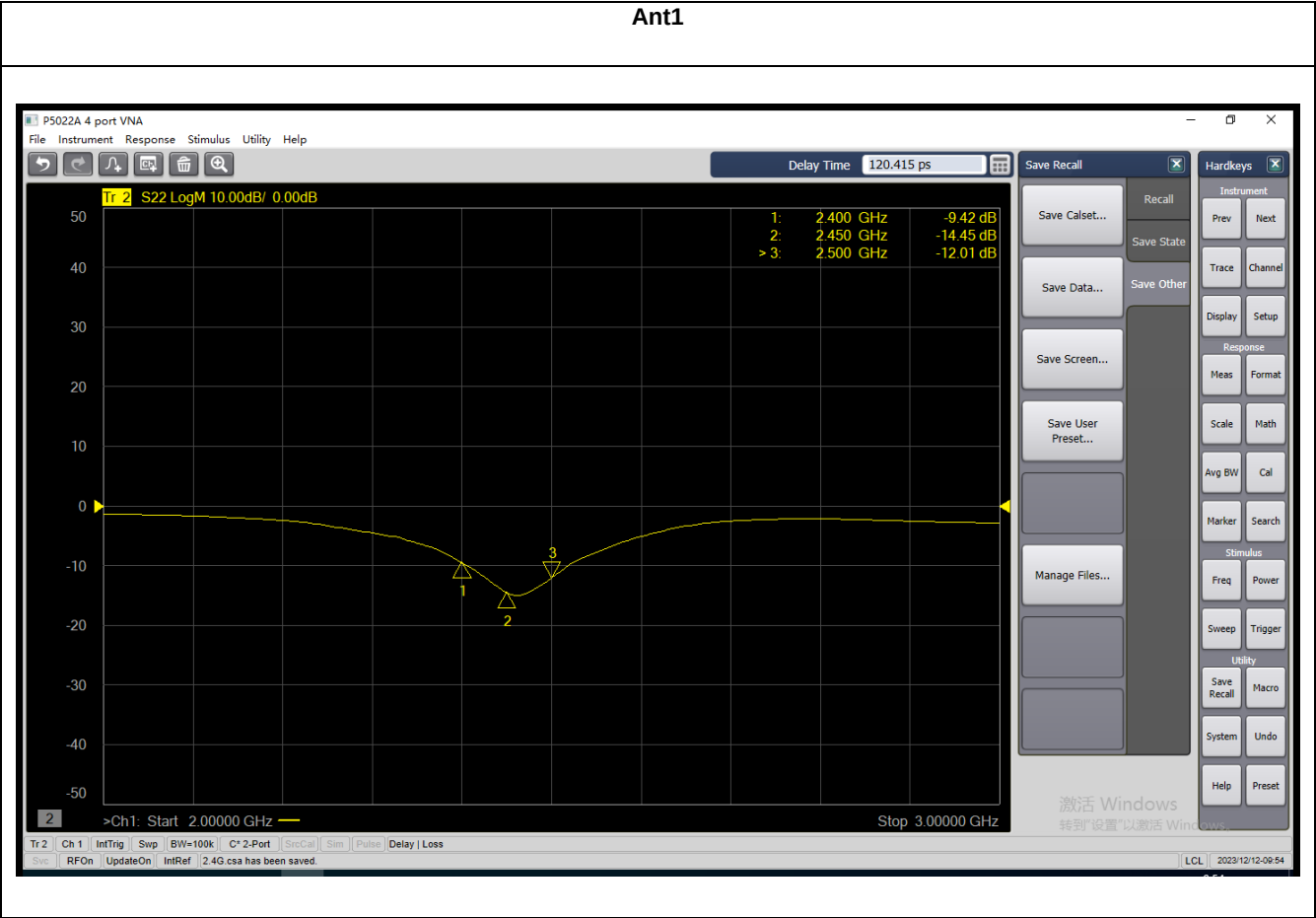


Figure 3-4

3.3 S Parameter Test Data



3.4 Antenna Peak Gain

Frequency(GHz)	2.45
Ant1 MaxGain(dBi)	2.19
Ant1 Polarization/Φ (°) / θ (°)	Linear/105/150
Max Gain(dBi)	2.19

3.5 Antenna Radiation Pattern

