

AUT Report

Product Model: Tapo D235

Manufacturer: BIG FIELD GLOBAL PTE. LTD

Test Date: 2023.12.14

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1. Antenna Distribution

NX510v *按照机型命名填写,不需要带有版本和区域编号



2. Electrical Characteristics

*按天线编号分别单独列表给出。

Ant1	
Frequency	2400~2500MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	0dBi@2400~2500MHz
Radiation pattern	Omni-Directional
P/N	

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

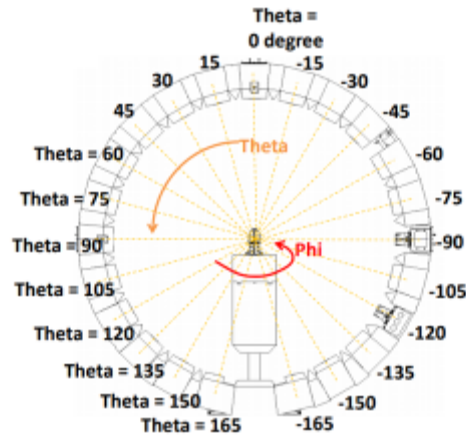


Figure 3-2

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

*需提供测试时的样机状态图，如图 3-4。

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



Figure 3-3

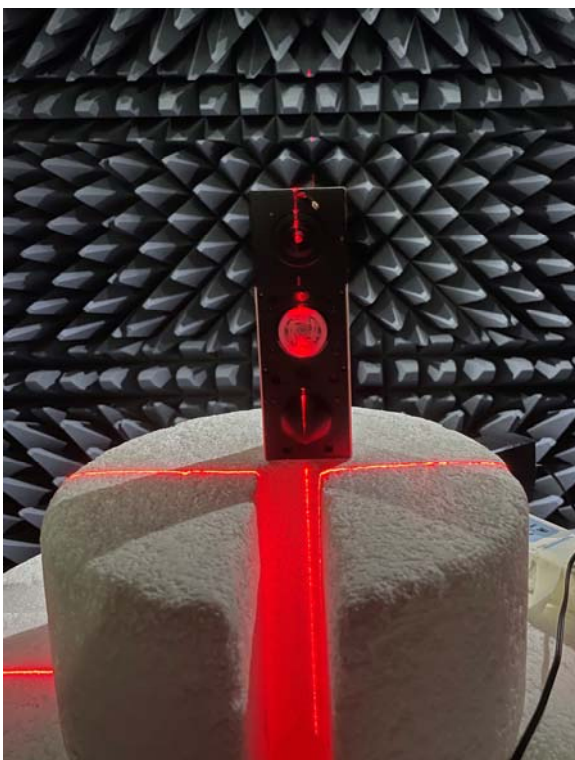
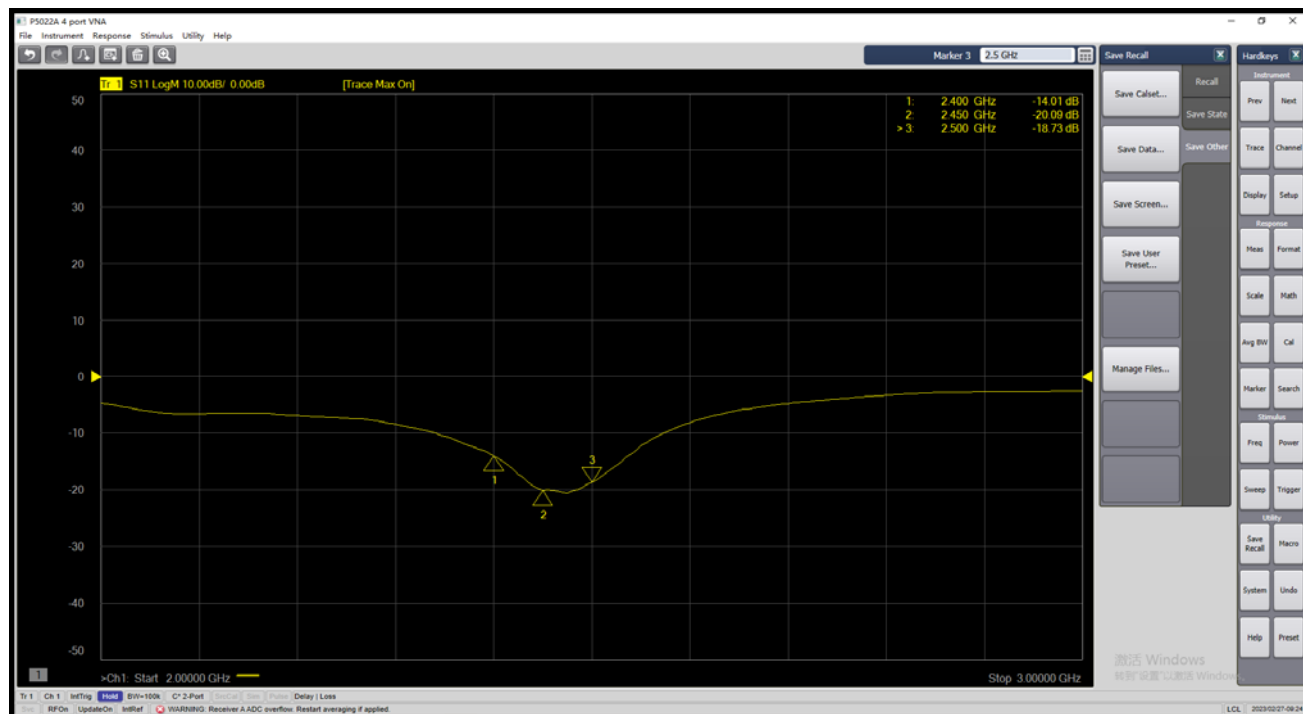


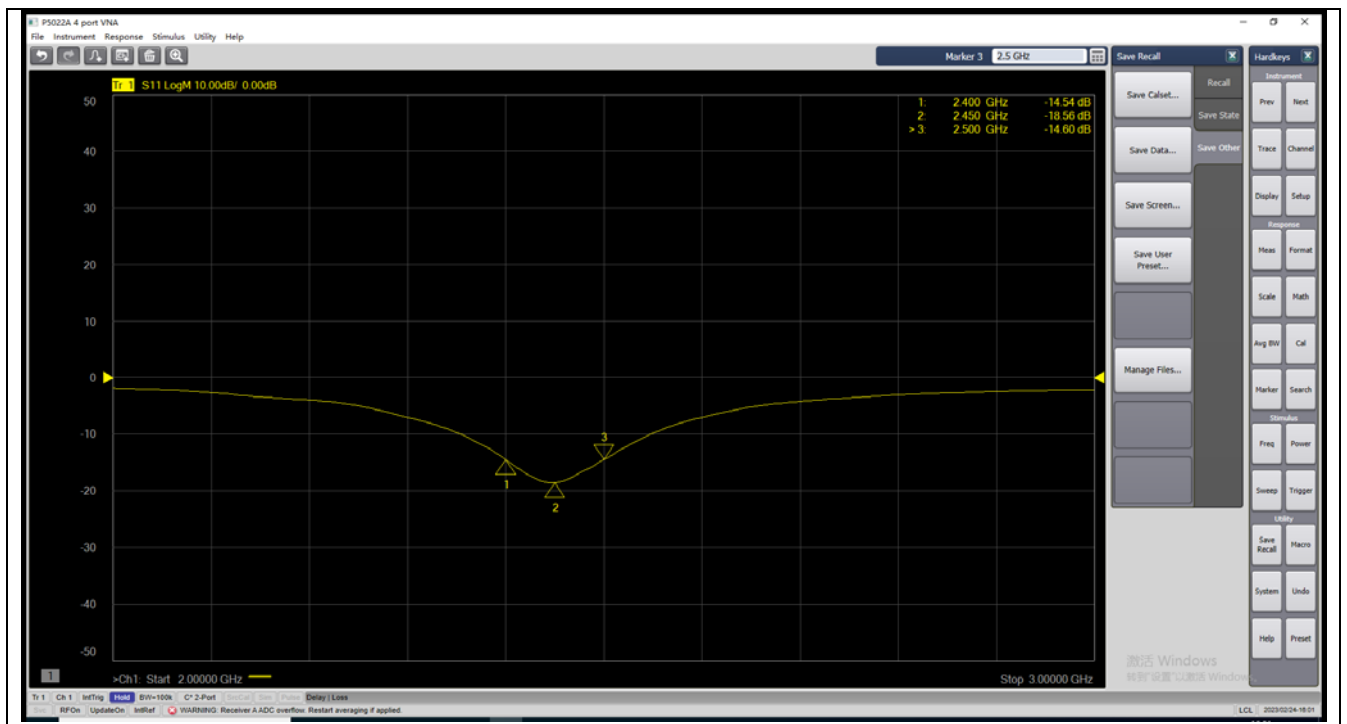
Figure 3-4

3.3 S Parameter Test Data

Ant1



Ant2



3.4 Antenna Peak Gain

Frequency(GHz)	2.45
Ant1 MaxGain(dBi)	-0.11
Ant2 MaxGain(dBi)	-0.14
Ant1 Polarization/ Φ (°)/ θ (°)	Theta/90/90
Ant2 Polarization/ Φ (°)/ θ (°)	Phi/165/105
Max Gain(dBi)	-0.11

3.5 Antenna Radiation Pattern

