

Antenna Specification

Product Model: Tapo C520WS

Manufacturer: TP-Link Systems Inc.

Date: 2024.8.14

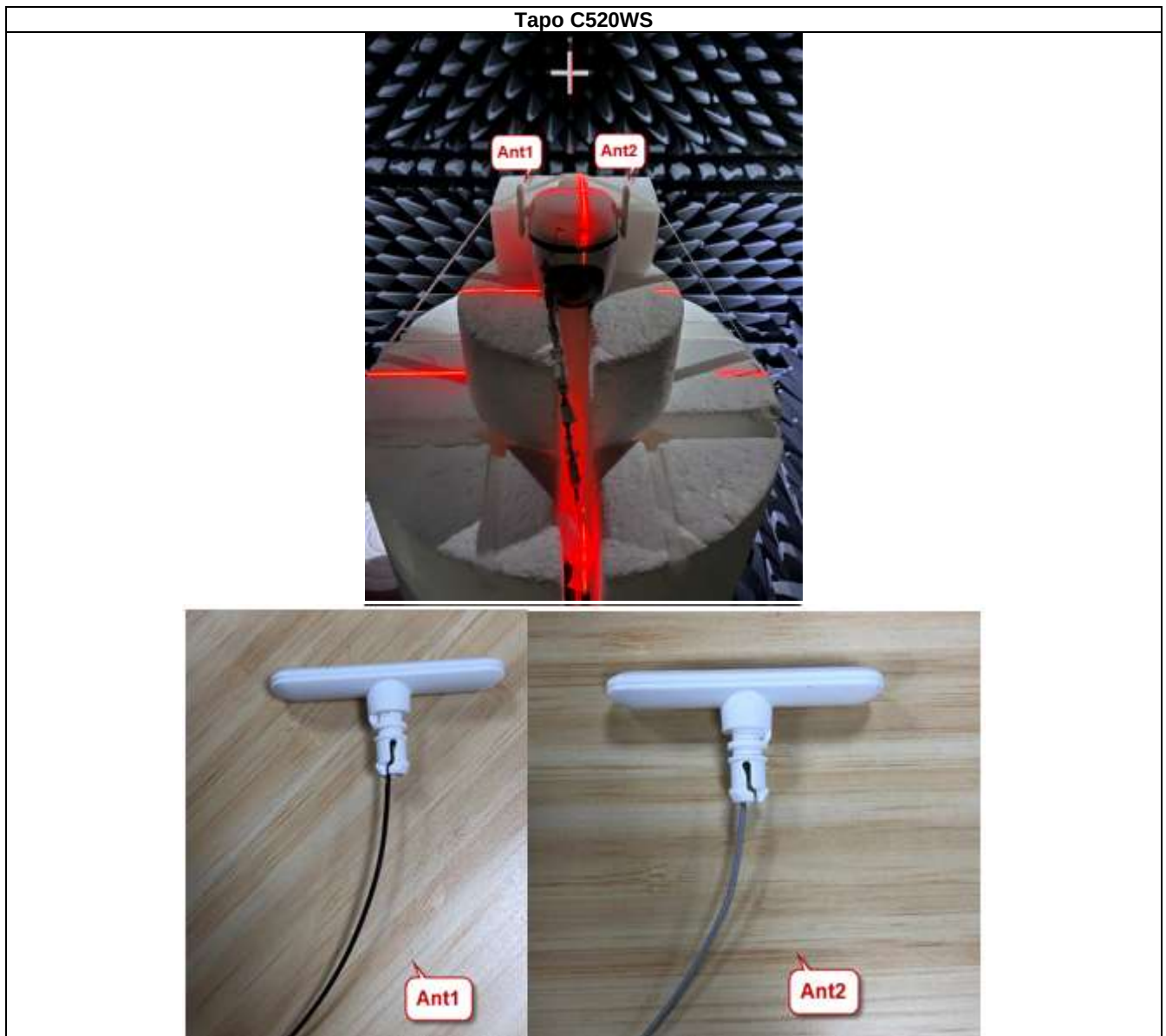
Checked By: Fang Chao 

TP-Link Systems Inc.
10 Mauchly, Irvine, CA 92618

Index

1.	Antenna Distribution.....	3
2.	Electrical Characteristics	3
3.	S Parameter Test Data	4
4.	Antenna Peak Gain.....	5
5.	Antenna Radiation Pattern	5

1. Antenna Distribution



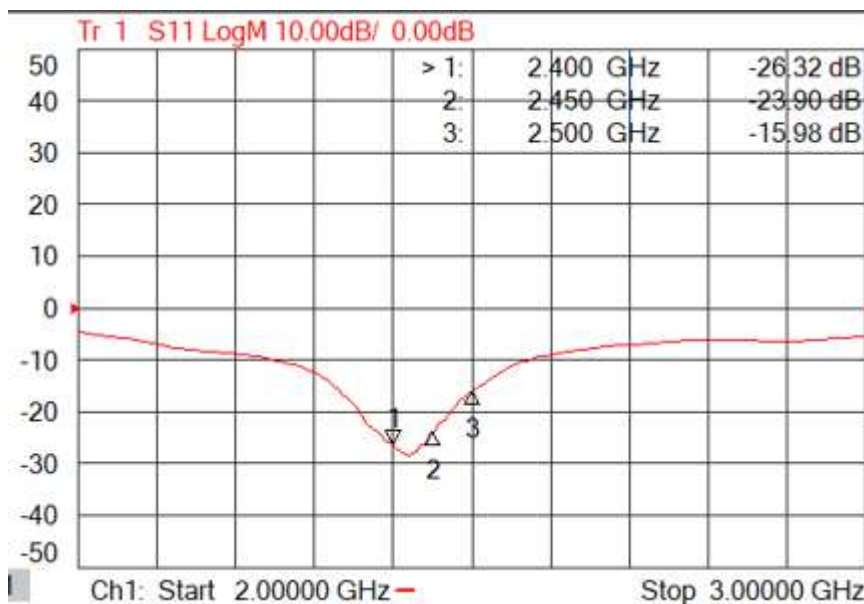
2. Electrical Characteristics

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

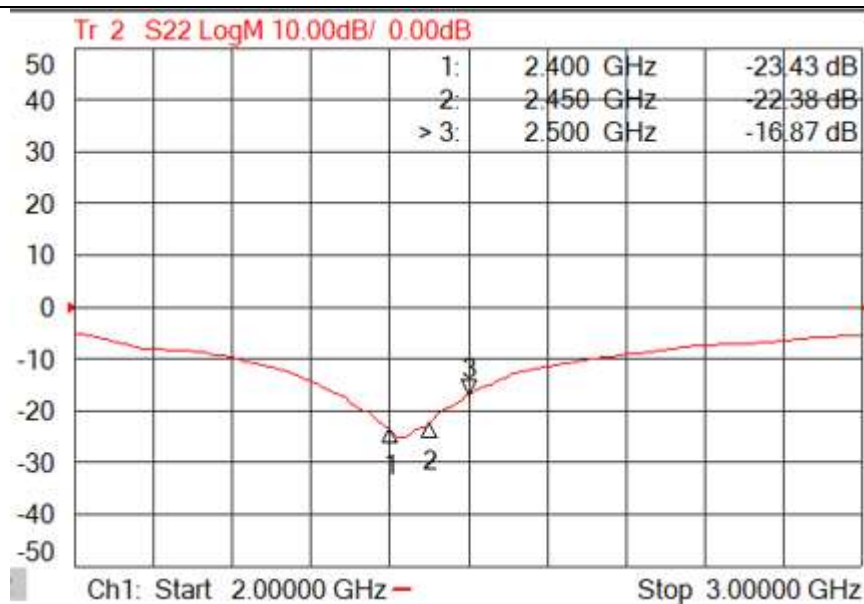
Ant2	
Frequency	2400~2500MHz
Impedance	50Ohm
Antenna Type	dipole
Antenna Gain	0.5dBi

3. S Parameter Test Data

Ant1



Ant2



4. Antenna Gain

4.1 Peak Gain

Frequency(GHz)	2.45GHz 2400~2500MHz
Ant1 MaxGain(dBi)	0.5
Ant2 MaxGain(dBi)	0.5
Ant1 Polarization/ Φ (°) / θ (°)	Theta/90/90
Ant2 Polarization/ Φ (°) / θ (°)	Theta/120/110
Max Gain(dBi)	0.50

5. Antenna Radiation Pattern

