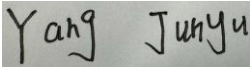


Antenna Specification

Product Model: Tapo C566WB

Manufacturer: TP-Link Systems Inc.

Date: 2025.5.26

Checked By: Yang Junyu 

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

Tapo C566WB



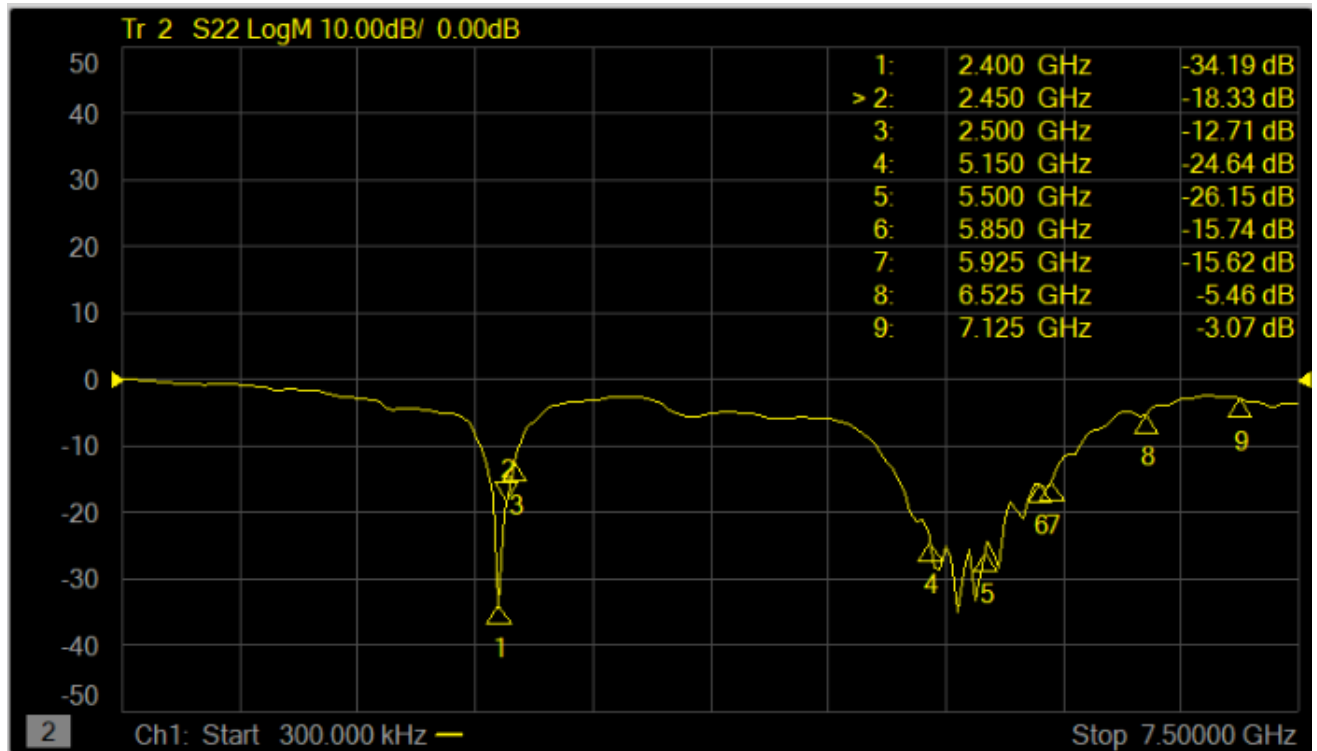
2. Electrical Characteristics

Ant1	
Frequency	2400~2500 & 5150~5895MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	3.06dBi@2400~2500MHz 3.40dBi@5150~5250MHz 3.40dBi@5250~5350MHz 3.06dBi@5470~5725MHz 3.04dBi@5725~5895MHz
Radiation pattern	Omni-Directional
P/N	NC

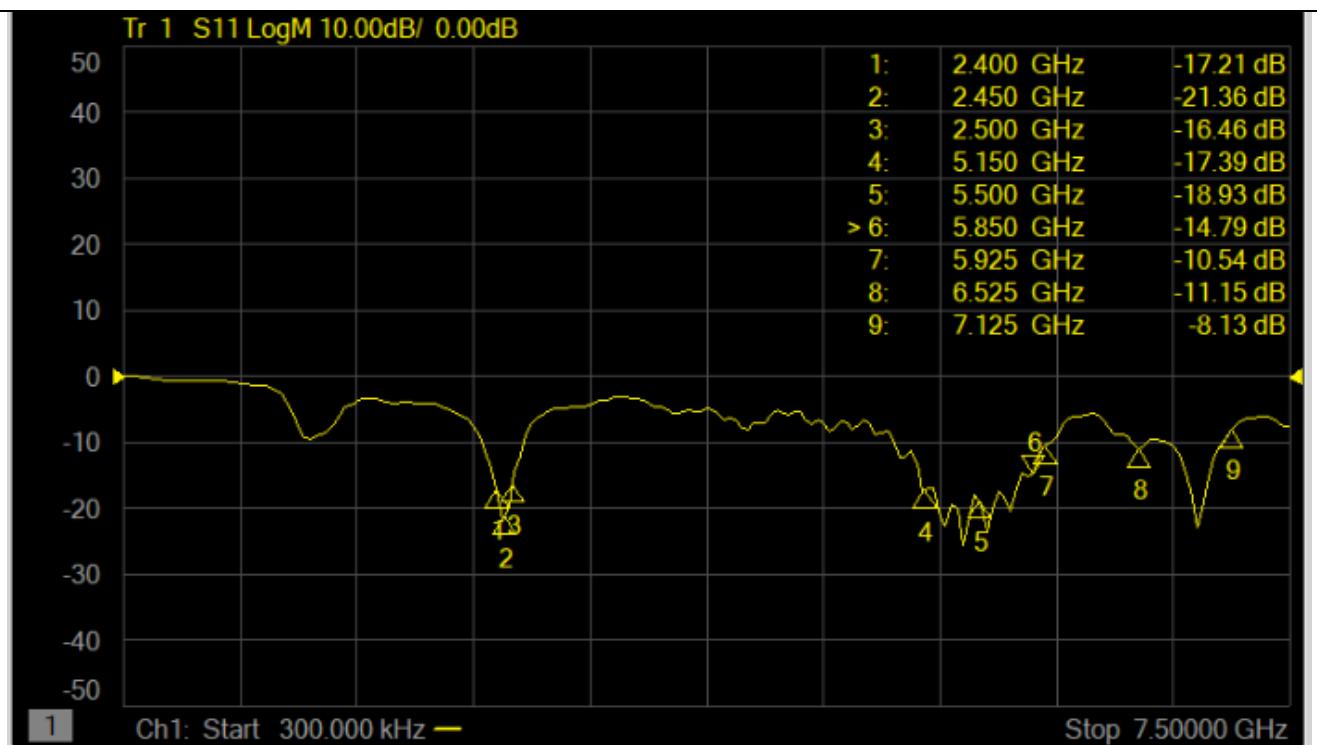
Ant2	
Frequency	2400~2500 & 5150~5895MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.52dBi@2400~2500MHz 1.65dBi@5150~5250MHz 1.99dBi@5250~5350MHz 2.47dBi@5470~5725MHz 2.21dBi@5725~5895MHz
Radiation pattern	Omni-Directional
P/N	NC

3. S Parameter Test Data

Ant1



Ant2



4. Antenna Gain

4.1 Peak Gain

Frequency	2.45GHz 2400~2500MHz	5.2GHz 5150~5250MHz	5.3GHz 5250~5350MHz	5.6GHz 5470~5725MHz
Ant1 MaxGain(dBi)	3.06	3.40	3.40	3.06
Ant2 MaxGain(dBi)	1.52	1.65	1.99	2.47
Max Gain(dBi)	3.06	3.40	3.40	3.06

Frequency	5.8GHz 5725~5895MHz
Ant1 MaxGain(dBi)	3.04
Ant2 MaxGain(dBi)	2.21
Max Gain(dBi)	3.04

5. Antenna Radiation Pattern

