

Antenna Specification

Product Model: EAP650-Desktop

Manufacturer: TP-LINK CORPORATION PTE. LTD.

Date: 2024.5.21

Checked By: Cui Jiafu *Cui Jiafu*

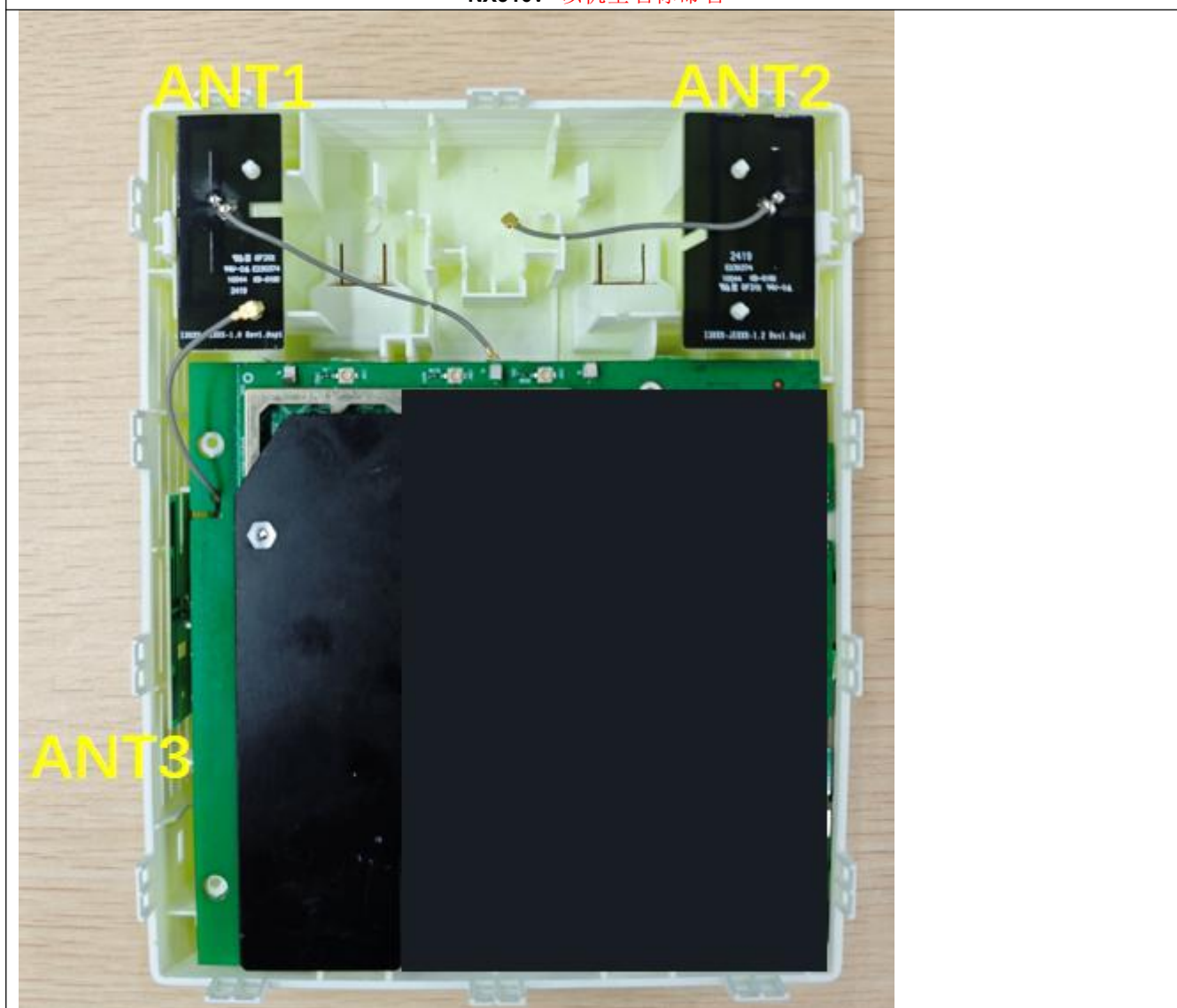
TP-LINK CORPORATION PTE. LTD.
7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987

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1. Antenna Distribution

NX510v *以机型名称命名



2. Electrical Characteristics

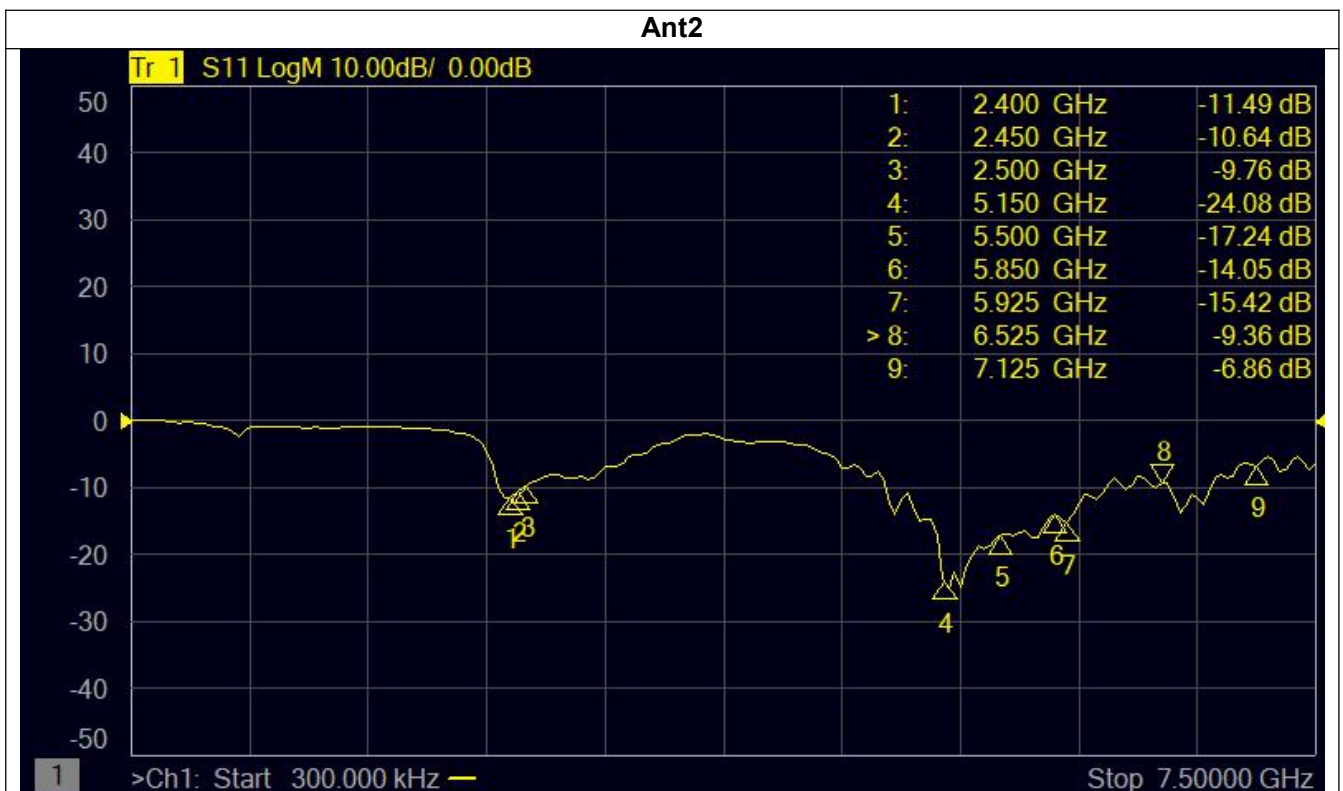
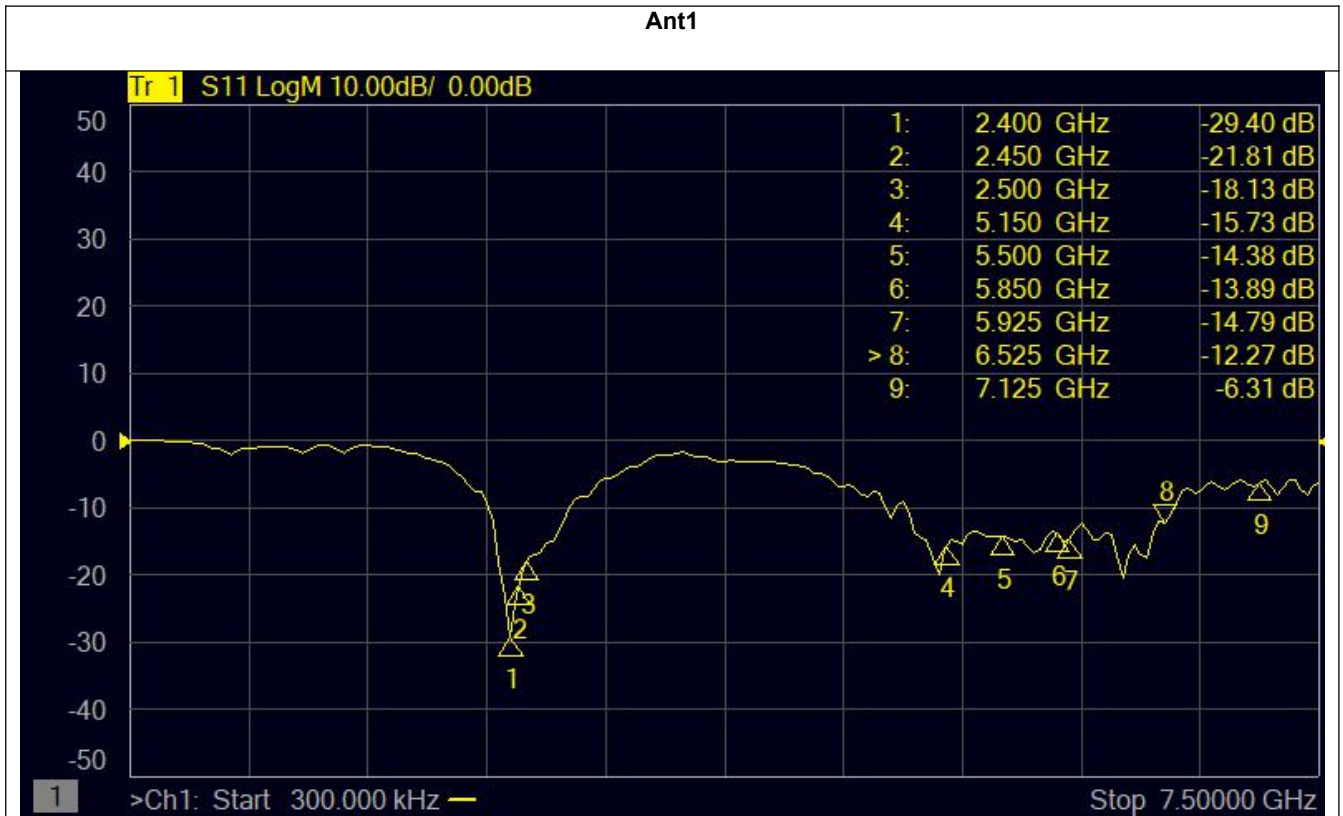
Ant1	
Frequency	2400~2500 & 5150~5895MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	3.00dBi@2400~2500MHz 0.70dBi@5150~5250MHz 0.76dBi@5250~5350MHz 1.90dBi@5470~5725MHz 2.00dBi@5725~5895MHz
Radiation pattern	Omni-Directional
P/N	EAP650-Desktop-Ant1

Ant2	
Frequency	2400~2500 & 5150~5895MHz
Impedance	50Ohm
Antenna Type	Dipole

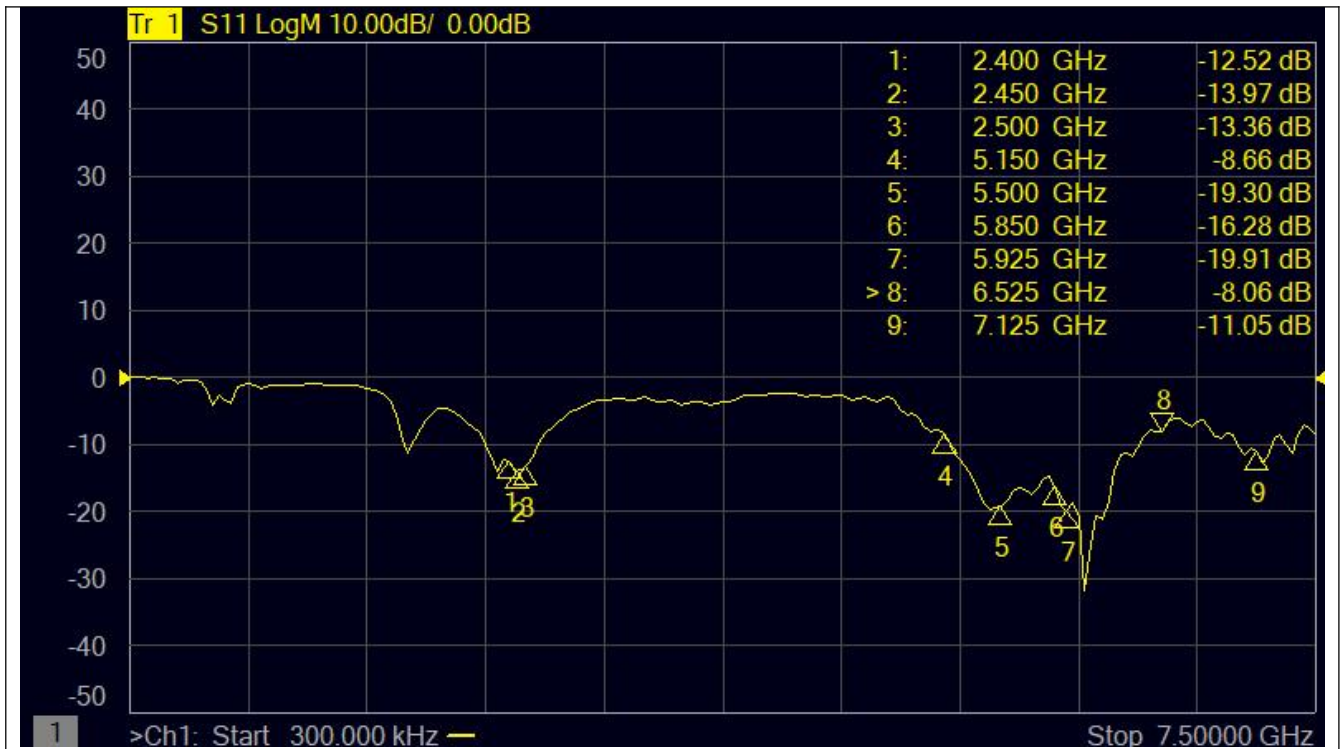
Antenna Gain	3.00dBi@2400~2500MHz 1.55dBi@5150~5250MHz 1.53dBi@5250~5350MHz 2.00dBi@5470~5725MHz 1.74dBi@5725~5895MHz
Radiation pattern	Directional
P/N	EAP650-Desktop-Ant2

Ant3	
Frequency	2400~2500 & 5150~5895MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	3.00dBi@2400~2500MHz 1.50dBi@5150~5250MHz 1.62dBi@5250~5350MHz 2.00dBi@5470~5725MHz 1.88dBi@5725~5895MHz
Radiation pattern	Directional
P/N	EAP650-Desktop-Ant3

3. S Parameter Test Data



Ant3



4. Antenna Peak Gain

*提供每个天线在对应频段的最大增益,对应的具体频点作为一个展示的频点, 并非填写该频点对应的 Gain 值。

Frequency	2.45GHz 2400~2500MHz	5.2GHz 5150~5250MHz	5.3GHz 5250~5350MHz	5.6GHz 5470~5725MHz
Ant1 MaxGain(dBi)	3.00	0.70	0.76	1.90
Ant2 MaxGain(dBi)	3.00	1.55	1.53	2.00
Ant3 MaxGain(dBi)	3.00	1.50	1.62	2.00
Max Gain(dBi)	3.00	1.55	1.62	2.00

Frequency	5.8GHz 5725~5895MHz
Ant1 MaxGain(dBi)	2.00
Ant2 MaxGain(dBi)	1.74
Ant3 MaxGain(dBi)	1.88
Max Gain(dBi)	2.00

5. Antenna Radiation Pattern

Ant1

