

Antenna Specification

Product Model: Archer TX50U

Manufacturer: TP-Link Systems Inc.

Test Date: 2025.01.03

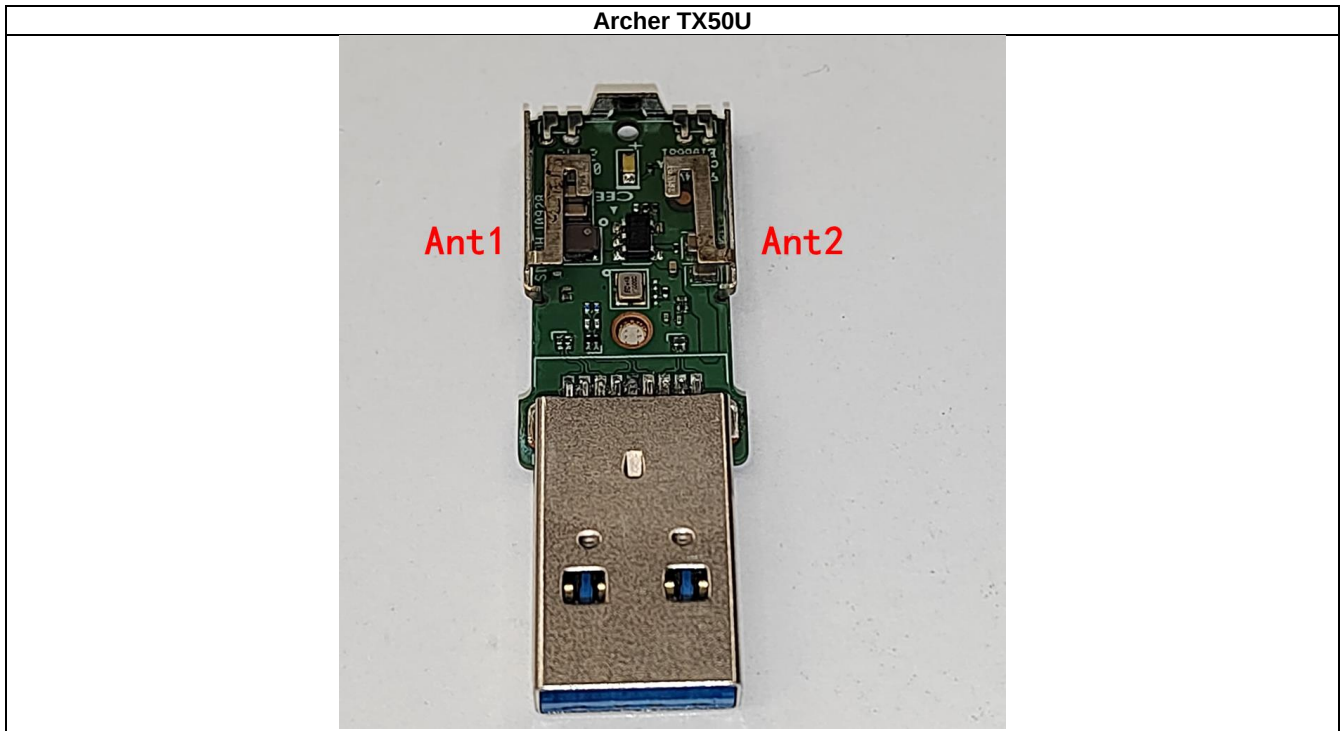
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1. Antenna Distribution

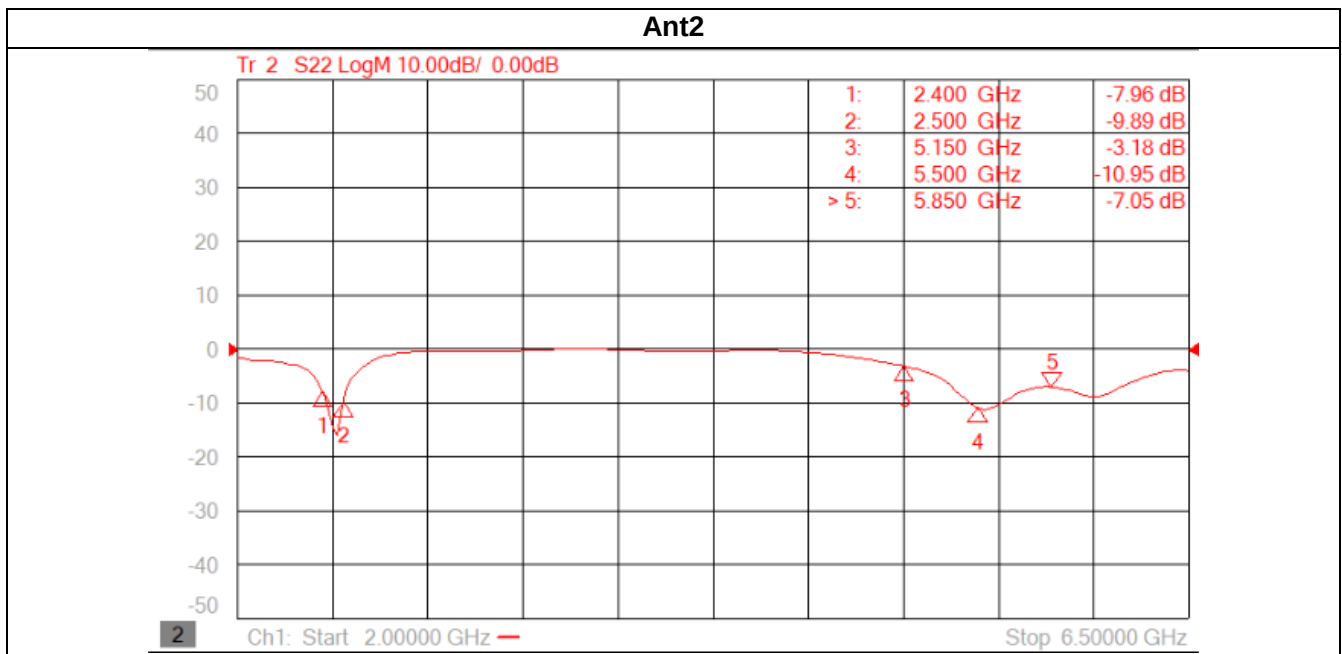
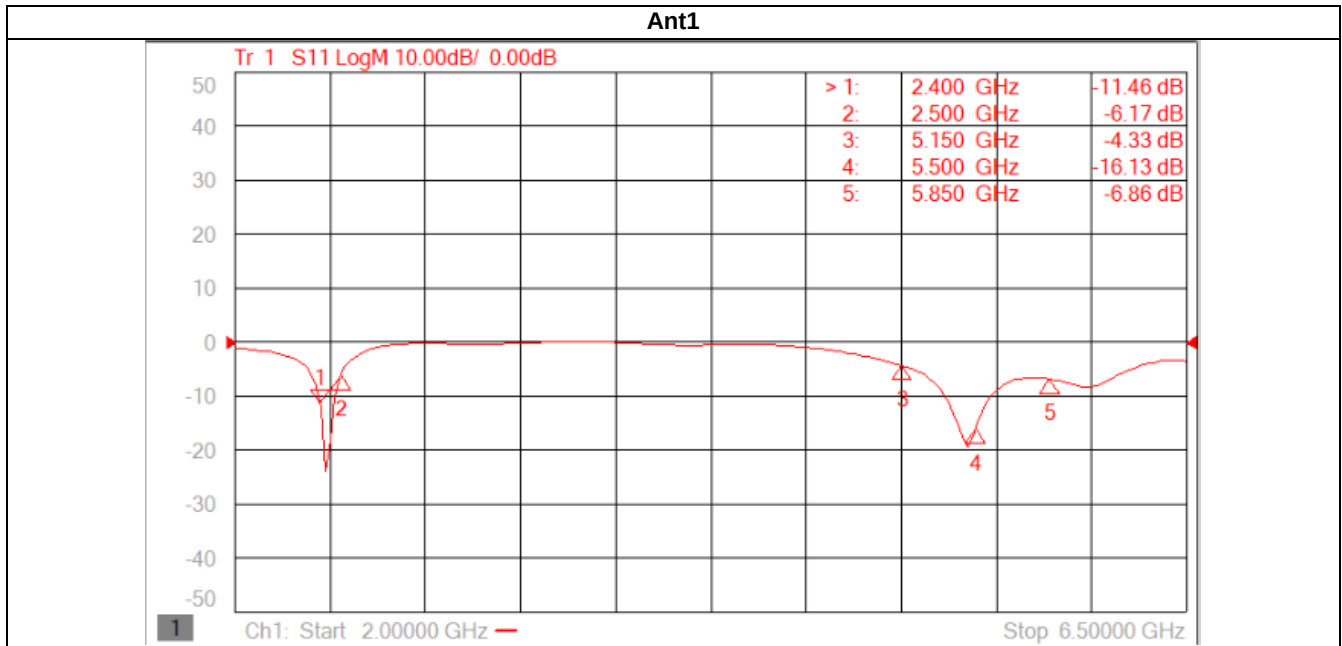


2. Electrical Characteristics

Ant1	
Frequency	2400~2500 & 5150~5895MHz
Impedance	50Ohm
Antenna Type	PIFA
Antenna Gain	0.45dBi@2400~2500MHz -1.64dBi@5150~5250MHz -0.23dBi@5250~5350MHz 2.00dBi@5470~5725MHz 1.30dBi@5725~5895MHz
Radiation pattern	Omni-Directional
P/N	6035500227

Ant2	
Frequency	2400~2500 & 5150~5895MHz
Impedance	50Ohm
Antenna Type	PIFA
Antenna Gain	0.08dBi@2400~2500MHz -0.35dBi@5150~5250MHz 0.97dBi@5250~5350MHz 1.57dBi@5470~5725MHz -0.47dBi@5725~5895MHz
Radiation pattern	Omni-Directional
P/N	6035500227

3. S Parameter Test Data



4. Antenna Peak Gain

Frequency	2.45GHz 2400~2500MHz	5.2GHz 5150~5250MHz	5.3GHz 5250~5350MHz
Ant1 MaxGain(dBi)	0.45	-1.64	-0.23
Ant2 MaxGain(dBi)	0.08	-0.35	0.97
Max Gain(dBi)	0.45	-0.35	0.97

Frequency	5.6GHz 5470~5725MHz	5.8GHz 5725~5895MHz
Ant1 MaxGain(dBi)	2.00	1.30
Ant2 MaxGain(dBi)	1.57	-0.47
Max Gain(dBi)	2.00	1.30

5. Antenna Radiation Pattern

