
Antenna specification for approval

Customer name: TBD_x

Model : FW-01A

Antenna type : WIFI/BT antenna

Antenna frequency band: 2.4G

Material : PCB

Material Number: F1146A-1R11B-130-A Production date: 2022-09-21

Version: **A**

Admit that signature			
Confirmation Signature		Customer Approved	
Responsible		Responsible	
QC		Engineer	
Approve		Approve	
Date		Date	

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This approval sheet supports for the project. PCB antennas include in this project. This report is for the performance of WIFI/BT antenna.

- Antenna shape size: Meet the requirement of the project
- Antenna band: 2400MHz~2500MHz

Antenna performance SPEC overview

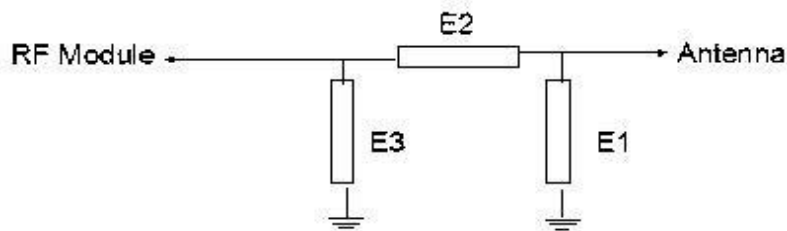
Description	2.4GHz~2.5GHz	Units
VSWR	≤ 2.0	
Average Antenna Gain	≥ 1.0	dB
Antenna Efficiency	≥ 40	%
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

● Mechanical Information

Mechanical Dimension	
Cable Length	130mm/Black
Description	WIFI/BT antenna
Material	PCB
Coaxial Cable	50Ohm/O.D.1.13mm
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

2:Match the circuit diagram, antenna images

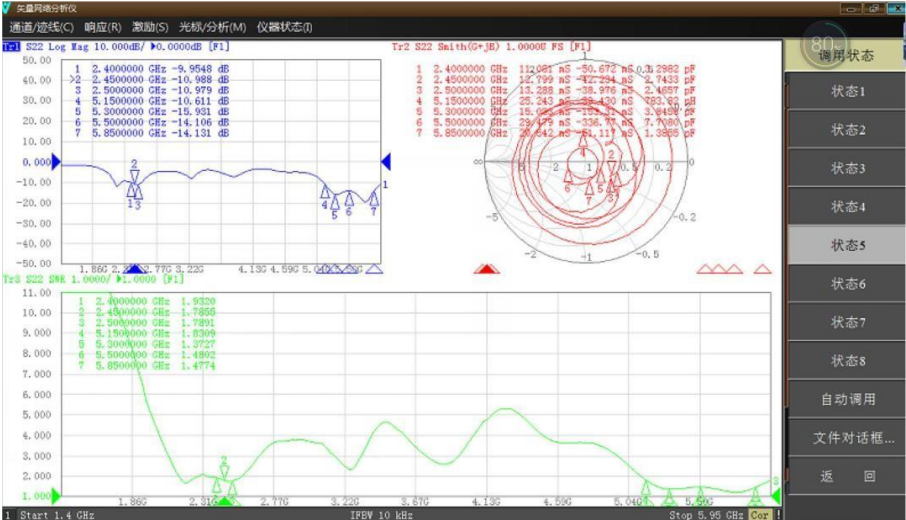
2.1 Match the circuit diagram



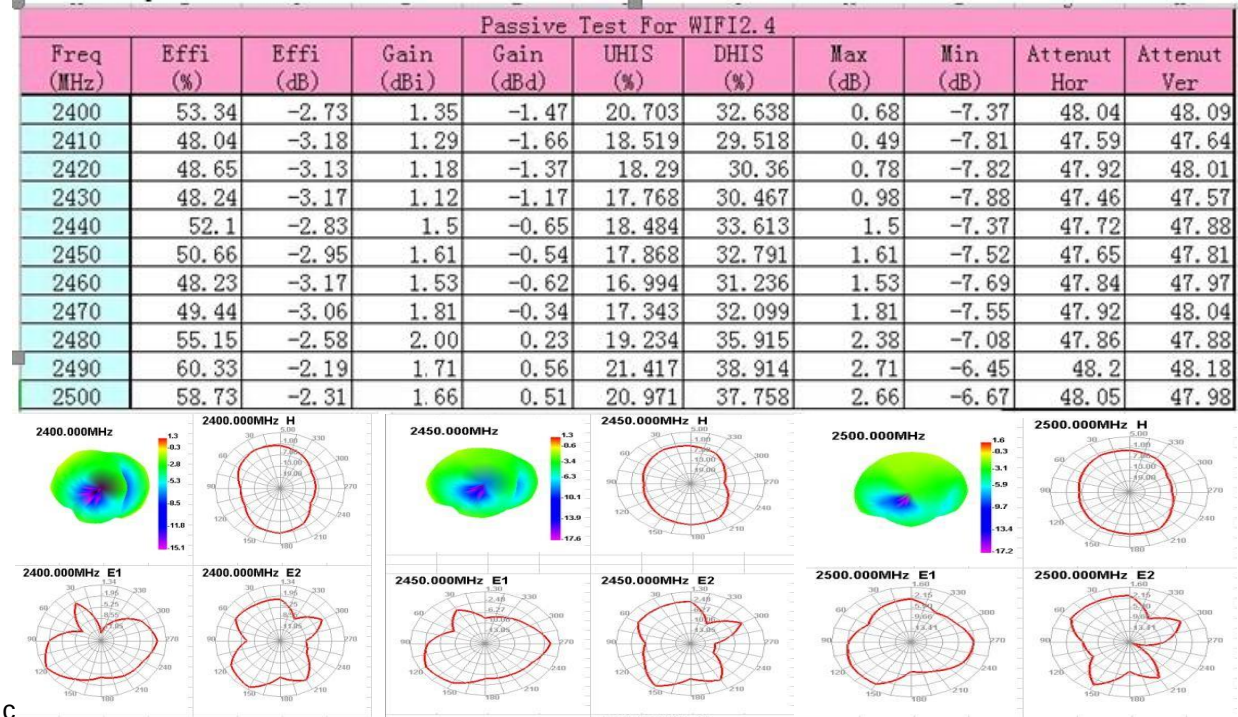
Our company did not modify the antenna matching

3: VSWR、Efficiency

3.1 VSWR



3.2 Efficiency



4:Structural drawings

