

天 线 规 格 书
Antenna specification for approval

Customer Name: Model:F008J

Antenna type :WIFI antenna Antenna frequency band :2.4G

Material number: Production date: Dec.18, 2025
F008J-4D11B-063-A

Version: A

承 认 签 章 Admit that signature			
云 希 承 认 Confirmation Signature		客 户 承 认 Customer Approved	
承办人 Responsible		承办人 Responsible	
品质 QC		主管 Chief	
核准 Approve		核准 Approve	
日 期 Date		日 期 Date	

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I. Overview

- This approval sheet supports for MID project. 铜管 antennas include in this project. This report is for the performance of WIFI antenna.
- Antenna shape size: Meet the requirement of MID
- Antenna band: 2400MHz~2500MHz
- Antenna material: Antenna material meet the requirement of MID
- Adhesive performance: Adhesive performance meet the requirement of MID
- Antenna performance meet the spec below:

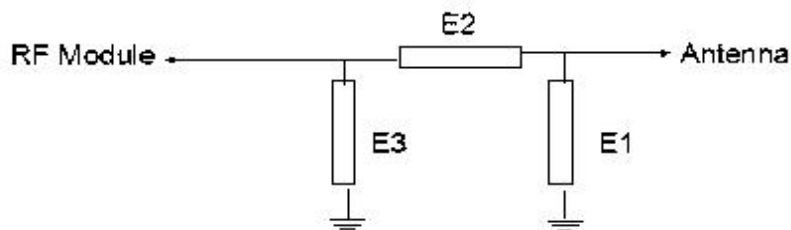
Description	2.4GHz~2.5GHz	Units
VSWR	≤ 2.0	
Average Antenna Gain	≥ -4.5	dB
Antenna Efficiency	≥ 60	%
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

● Mechanical Information

Mechanical Dimension	
Cable Length	063mm/Black
Description	WIFI antenna
Material	铜管
Coaxial Cable	50Ohm/O.D.1.13mm
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

2.Match circuit diagrams, machine pictures, and antenna pictures

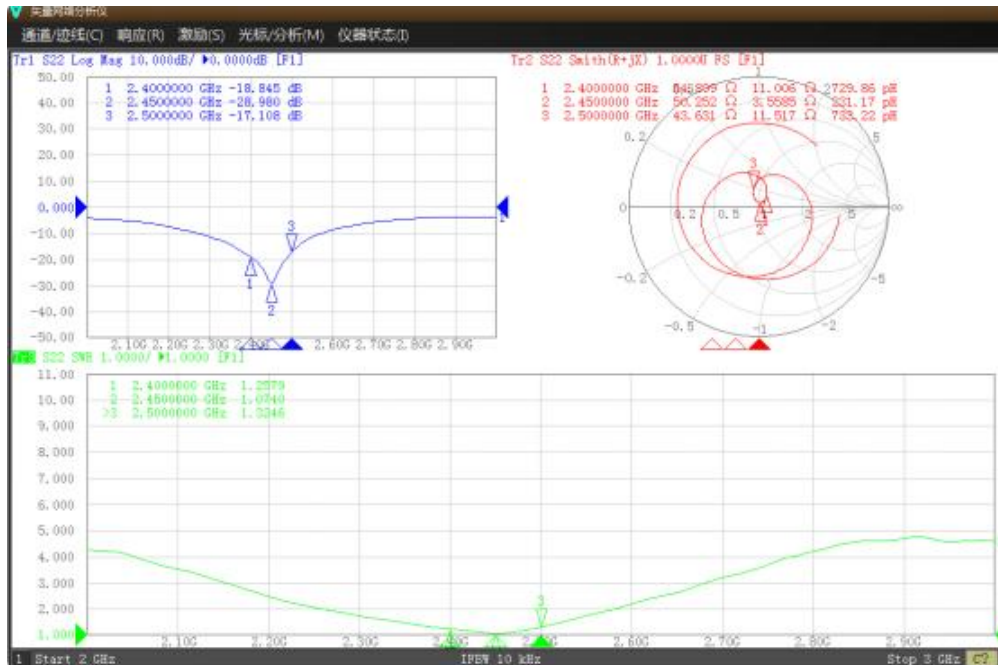
2.1 Match the circuit diagram



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3. Standing Wave Ratio (VSWR), efficiency

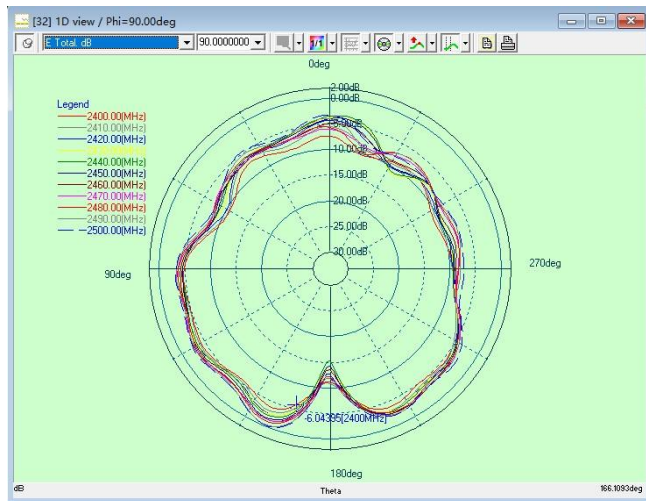
3.1 Standing Wave ratio



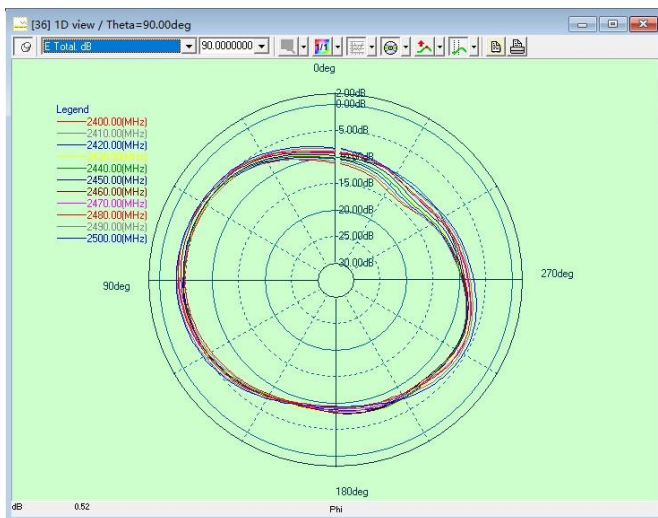
3.2. Efficiency and Gain

Passive Test For WiFi			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.8	-2.0	1.5
2410	63.3	-2.0	1.4
2420	63.9	-1.9	1.6
2430	64.2	-1.9	1.6
2440	64.4	-1.9	1.9
2450	65.3	-1.9	2.2
2460	65.7	-1.8	1.9
2470	64.1	-1.9	2.0
2480	63.4	-2.0	2.1
2490	61.7	-2.1	1.9
2500	60.8	-2.2	1.8

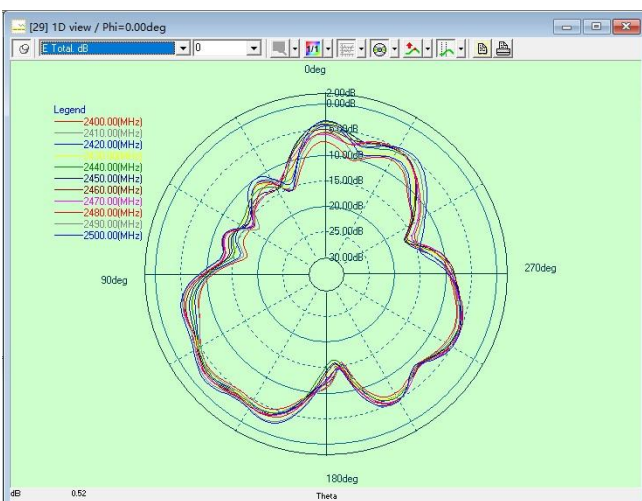
2/3D



Z-X



X-Y



Z-Y

