

天 线 规 格 书

Antenna specification for approval

客户名称:顺通莱

机型:D8

天线类型:WIFI天线

天线频段:2.4G

材质要求:FPC

颜色:黑色

料号:F1489A-1B2-A

制作日期:2024-11-16

Version: A

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

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一：概述

- This approval sheet supports for MID project. FPC antennas include in this project. This report is for the performance of WIFI+BT 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:

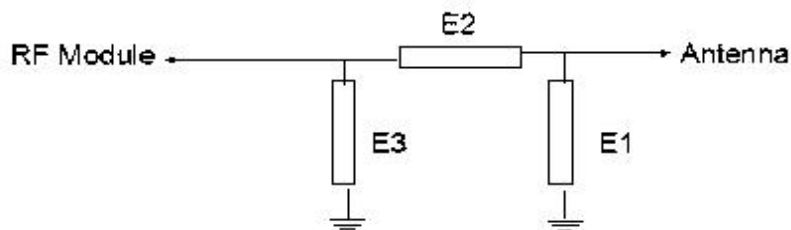
Description	2.4GHz~2.5GHz	Units
VSWR	≤ 2.0	dB
Average Antenna Gain	≥ -4.5	
Antenna Efficiency	≥ 20	
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

● Mechanical Information

Mechanical Dimension	
Cable Length	/
Description	WIFI+BT antenna
Material	FPC
Coaxial Cable	/
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

二：匹配电路图、机器图片、天线图片

2.1匹配电路图



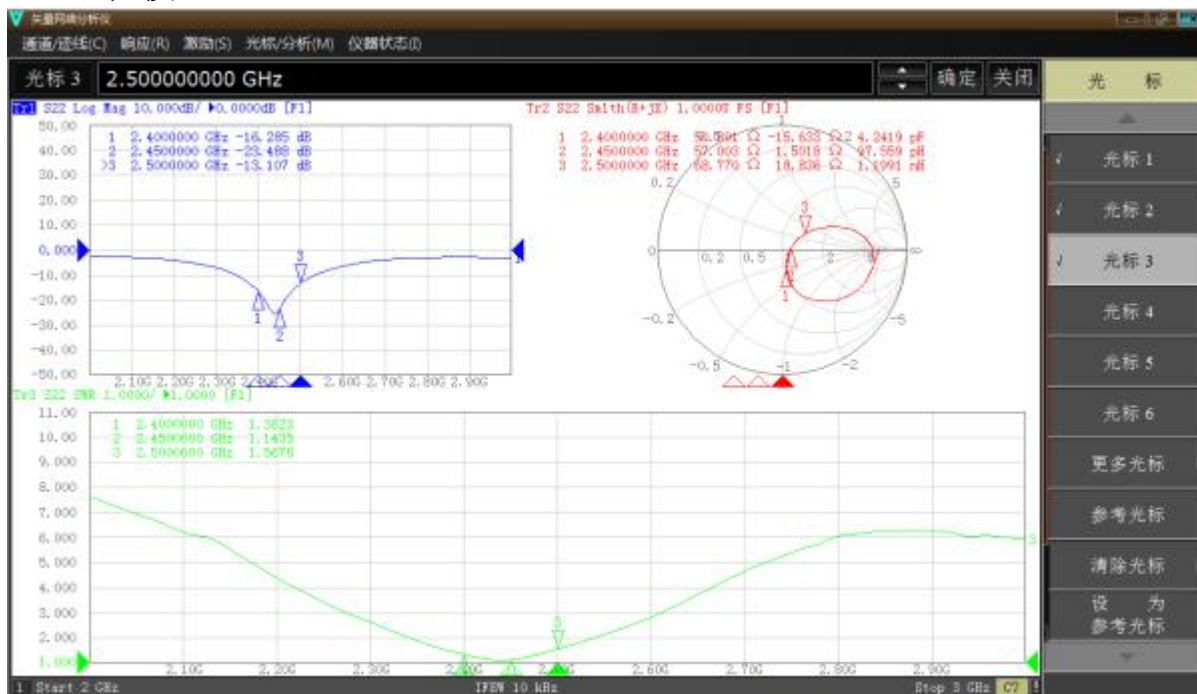
我司未对天线匹配做修改

2.1机器图片、天线图片



三：驻波比（VSWR）、效率

3.1 驻波比



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3.2. 效率、增益

Passive Test For WiFi			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	50.9	-2.9	1.2
2410	51.4	-2.9	1.3
2420	55.1	-2.6	1.9
2430	56.6	-2.5	2.0
2440	57.3	-2.4	1.9
2450	61.8	-2.1	2.2
2460	57.8	-2.4	2.4
2470	55.8	-2.5	2.3
2480	53.4	-2.7	2.2
2490	52.2	-2.8	2.1
2500	50.7	-3.0	1.8

WIFI					
Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI2.4G 802.11b	1	11Mbps	13.9	11Mbps	-81.4
	7		14.0		-82.1
	13		13.9		-81.2

四：结构图纸

