

Antenna Specification

Supplier name: JIADE WIRELESS

Material name: WIFI-R-1 Antenna

Specification and model: SLK-VB20WIFIR1-R-123I-B

Product Description: 2.4G&5G FPC Cable 123MM Black

Acknowledgment Version: A0 2025-07-04

PROITAV Material code:

Drawing version No: A0

Customer Signature

Supplier Signature

Quality
Department

R&D

Safety
regulations

Approval

Formulate

数字签名者: 唐
宏利
日期: 2025.07.05
10:52:09 +08'00'

Lei. Zhang

Qiang. Wang

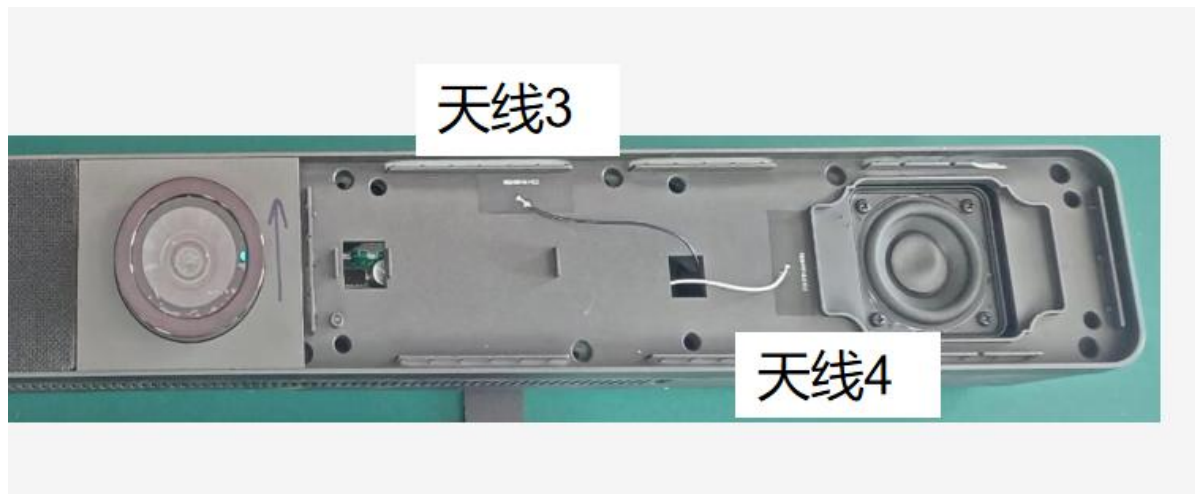
Catalogue

<i>Item</i>	<i>Description</i>
一、-----	Specification sheet
二、-----	Antenna Map
三、-----	Test Date
四、-----	Structural drawing

一、Specification sheet:

电性能指标 Main Electrical Specifications	
频率范围 Frequency Range (MHz)	2400~2500,5150~5850
频宽 Bandwidth (MHz)	2000~6000
输入阻抗 Input Impedence (Ω)	50 ± 5
电压驻波比 V.S.W.R	≤ 3.0
增益 Gain (dBi)	2.74
极化形式 Polarization Type	Vertical & Horizontal
最大功率 Max Power Capacity (w)	10
机械指标 Mechanical Specifications	
材料 Material	FPC+Cable
辐射方向 Radiation Direction	Omnidirectional
工作温度 Working Temp($^{\circ}\text{C}$)	-40~85 $^{\circ}\text{C}$
储存温度 Storage Temperature($^{\circ}\text{C}$)	-40~85 $^{\circ}\text{C}$
固定方式 Mounting	Welding

二、Antenna Map:



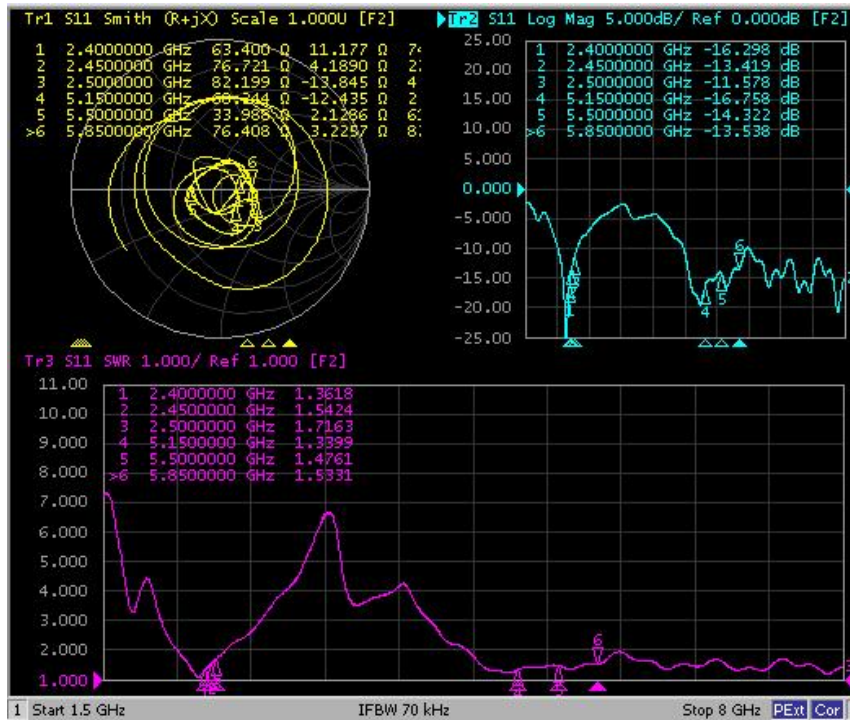
JIAD WIRELESS TECHNOLOGY (SHENZHEN) CO.,LTD

ADD: 601-602, North Building, Cangsong Building, Tairan 6th Road, Futian District, Shenzhen

TEL: 0755-3335 3180

Mobile: 135 9015 6632

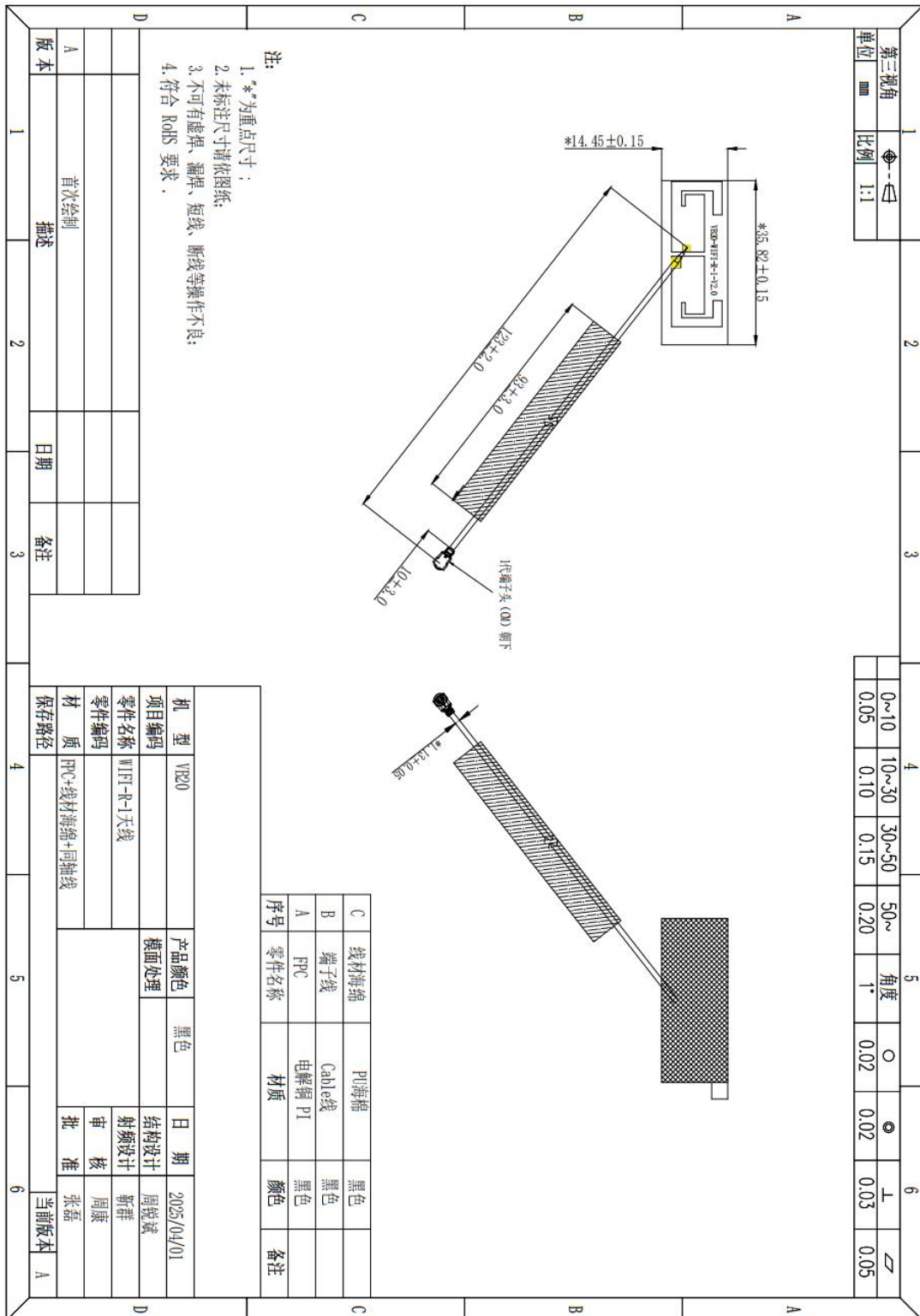
三、Test Date:



Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	52.83	-2.77	-0.15
2410	52.47	-2.8	0.08
2420	52.31	-2.81	0.49
2430	51.7	-2.87	0.71
2440	51.81	-2.86	0.93
2450	50.04	-3.01	0.97
2460	50.04	-3.01	1.03
2470	49.9	-3.02	1.09
2480	49.43	-3.06	0.99
2490	50	-3.01	1.01
2500	49.58	-3.05	1.32

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	45.17	-3.45	2.28
5250	46.55	-3.32	2.32
5350	47.01	-3.28	2.67
5450	47.81	-3.20	2.74
5550	46.77	-3.30	2.68
5650	45.25	-3.44	2.54
5750	44.49	-3.52	2.46
5850	44.11	-3.66	2.41

四、Structural Drawing:



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