



承认书

SPECIFICATION FOR APPROVAL

客户 Customer: Shenzhen Welldy Technology Co., Ltd

品牌 Brand: DONGGUAN □ QY □ TECHNOLOGY,CO.,LTD

品名 Description: BT-2.4G 天线

规格/型号

Specification

/part no: ES300/内置天线/50 Ω /2400-2500MHz/4.0
dBm/RG113 黑色双锡线 L=90mm/I-PEX 一代
端子/黑色 FPC 内置 BT 天线

日期 Date: 2024.08.01

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客户签字盖章:

拟制/日期 CHECKED/DATE	审核/日期 AUDITOR/DATE	批准/日期 APPROVED/DATE



Specifications

客户料号

Customer P/N: 110.023.00011

规格描述

Specification: ES300/内置天线/50 Ω /2400-2500MHz/4.
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供应商 Supplier: DONGGUAN □ QY □ TECHNOLOGY,CO.,LTD

生产商 Producer: DONGGUAN □ QY □ TECHNOLOGY,CO.,LTD

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拟制/日期 CHECKED/DATE	审核/日期 AUDITOR/DATE	批准/日期 APPROVED/DATE
Zhang Bingxiang 2024.08.01	Wu Qianjin 2024.08.01	Luo Daxun 2024.08.01



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一. 天线图片 (Picture) :



(图片样品仅供参考,以图纸为准)

二. 电气参数 (Electrical parameters) :

Frequency 频率范围	2.4~2.5GHz
Impedance 特性阻抗	50Ω
S.W.R. 电压驻波比	≤2.0
Antenna Gain 增益	4.64dBi
Polarization 极化形式	垂直极化
Return Loss 回波损耗	-9.2dB MAX

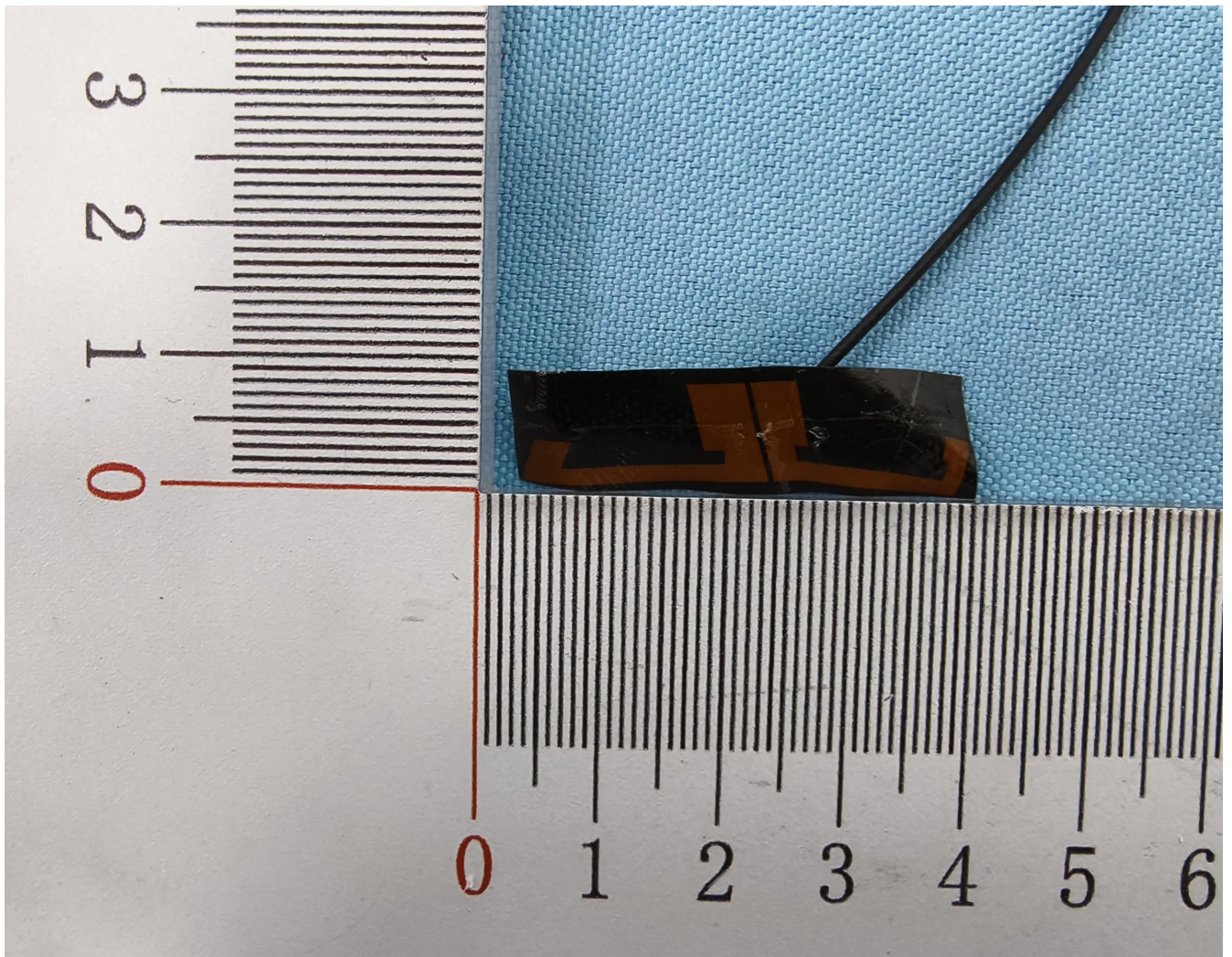
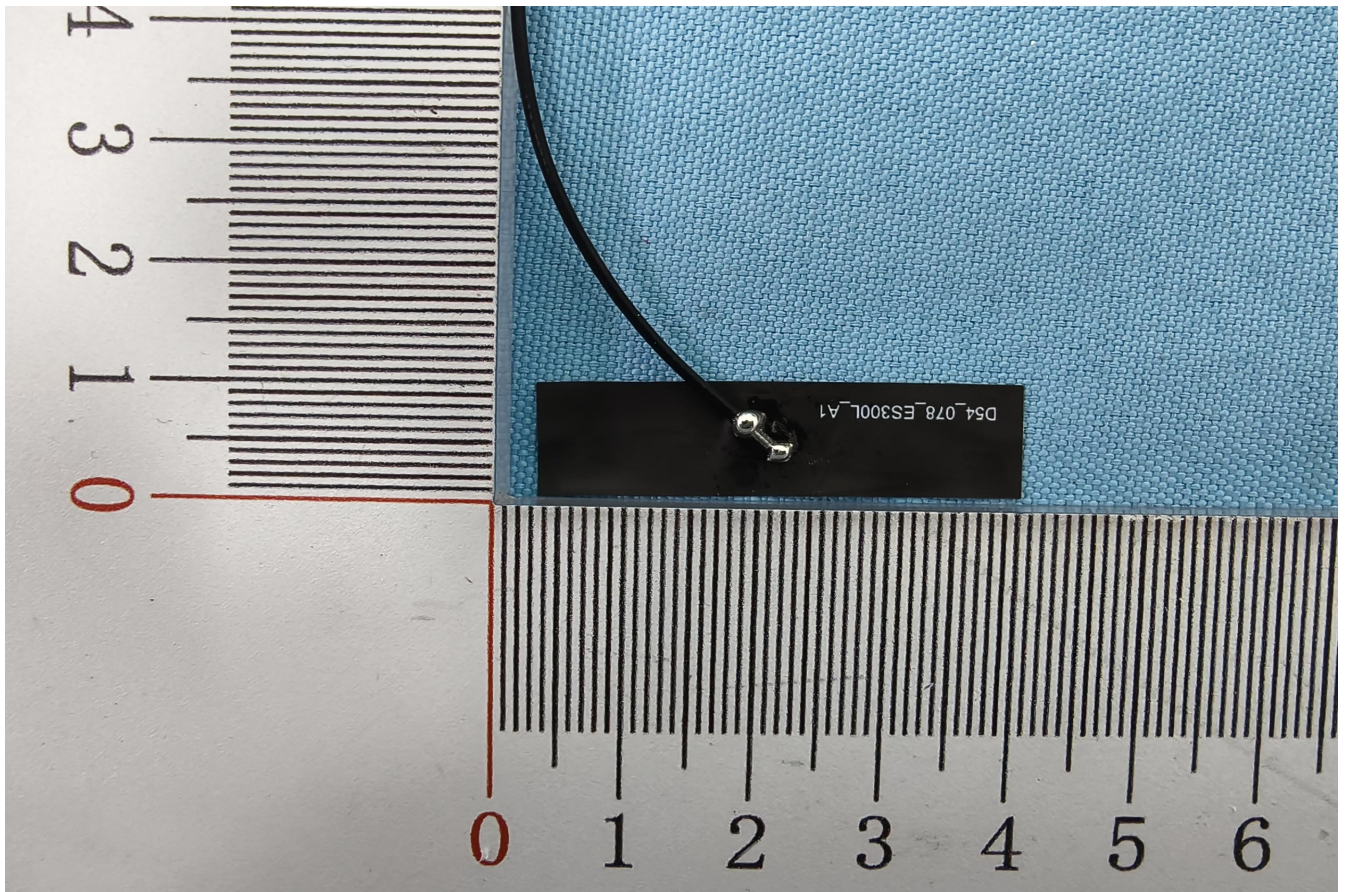
二. 机械参数(Mechanical parameters):

Antenna Colour 天线颜色	黑色
RF Cable Model 射频线型号	RG1.13, 黑色
Connect Type 接口方式	IPEX 一代端子

三. 工作/储存温度 (Operating/ Storage Temperature) :

Operating Temperature 工作温度	-40~85℃
Storage Temperature 储存温度	-40~85℃

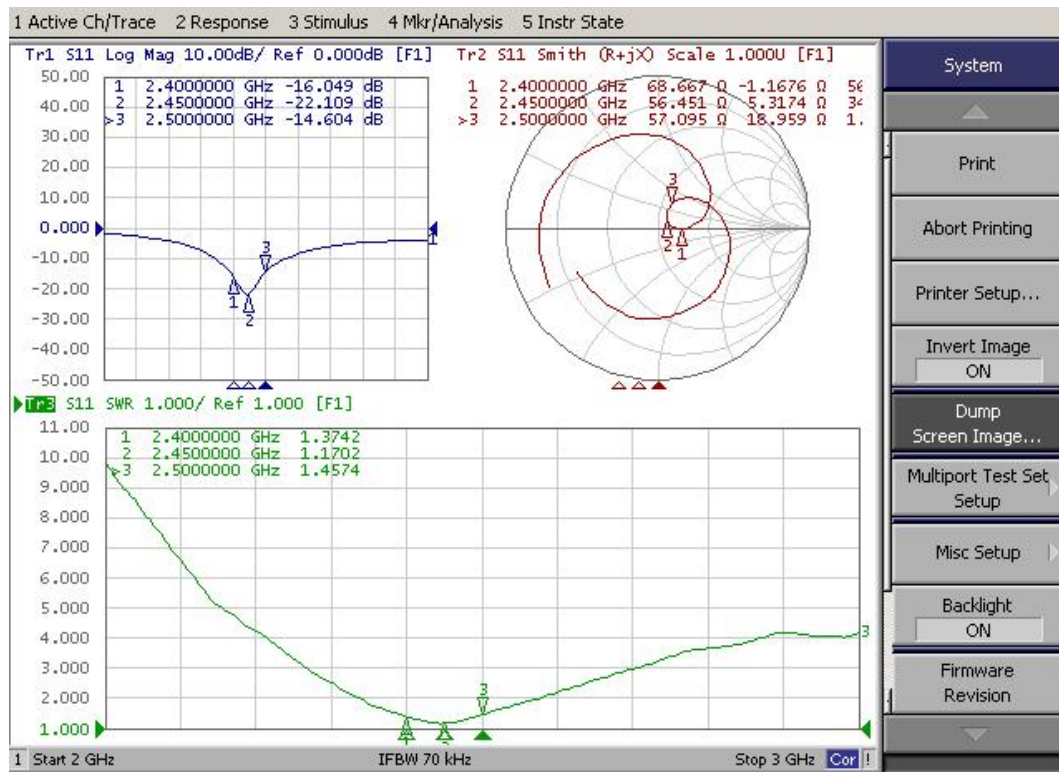
Structural drawings





四. Test Parameters

1, V.S.W.R&Return Loss

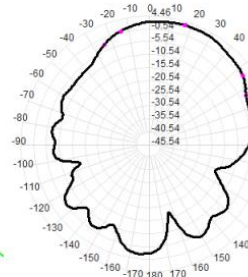
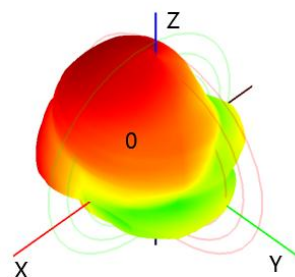


2.Gain & Efficiency

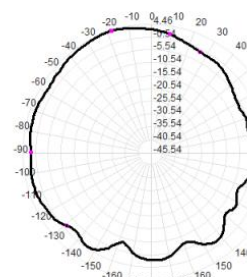
FEITUKEJI ANT 1											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	4.52	4.46	4.51	4.49	4.32	4.46	4.61	4.64	4.51	4.55	4.34
Efficiency (%)	54.50	55.95	55.23	56.94	56.74	57.35	56.87	56.34	55.66	54.94	54.92

2D、3D Radiation Patter

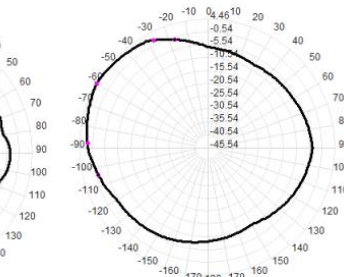
2450MHz



E1-平行横切面(XOZ)



E2-平行横切面(YOZ)



H-垂直横切面(XOY)