

**SPECIFICATIONS
FOR
APPROVAL**

客户: 朝陽電子(深圳)有限公司
(CUSTOMER) Zylux Elec.(ShenZhen)Co.,Ltd

型号: IA.0410.2FI

本产品不含危害物质, 符合HSF要求
(PART NO.)

器件耐熱等級 : 80° 单重: 0.51g

焊錫時間 : 3S

品牌: KINGRF

(BRAND)

朝陽料号: 1029-0000176

日期:
(DATE) 2022/9/28

提供人:
(SALESMAN) Lenapeng

☒ 环保要求	料件之所有组成物质, 必须遵守有害物质要求: ☐ HALOGEN FREE无卤 ☒ RoHS 2.0 ☒ REACH ☐ PRO65 ☐ CARB2 详细的有害物质管控限值 ☒ Zylux QMI-P40-01 ☐ Samsung0qa-2049 ☐ Sony SS-00259等
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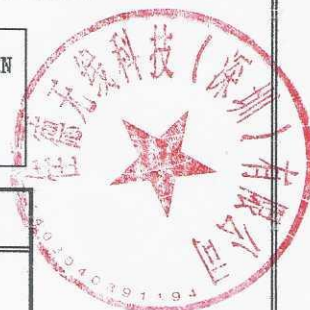
SIGNATURL OF APPROVAL

佳德无线科技(深圳)有限公司

深圳市福田区泰然六路苍松大厦北座601-602

TEL: 0755- 33353180

FAX: 0755-33353180



IA.0410.2FI

Antenna Specification

1. Application:

This application shall apply for antenna unit which shall be used such as automotive, conventional communications, smart home, etc..

1. Electrical Specification:

Those specifications were specially defined for customer's model, and all characteristics were measured under the model's handset testing jig .

2-1. Frequency Band:

Frequency Band	MHz
BT 2.4G	2400-2500

2-2. Impedance

50 ohm nominal

2-3. VSWR

2-3-1.Measurement frequency points and VSWR value

Frequency Band(MHz)	2400	2500
2-3-3. Typical Value:	1.43	1.15

2-3-2. VSWR

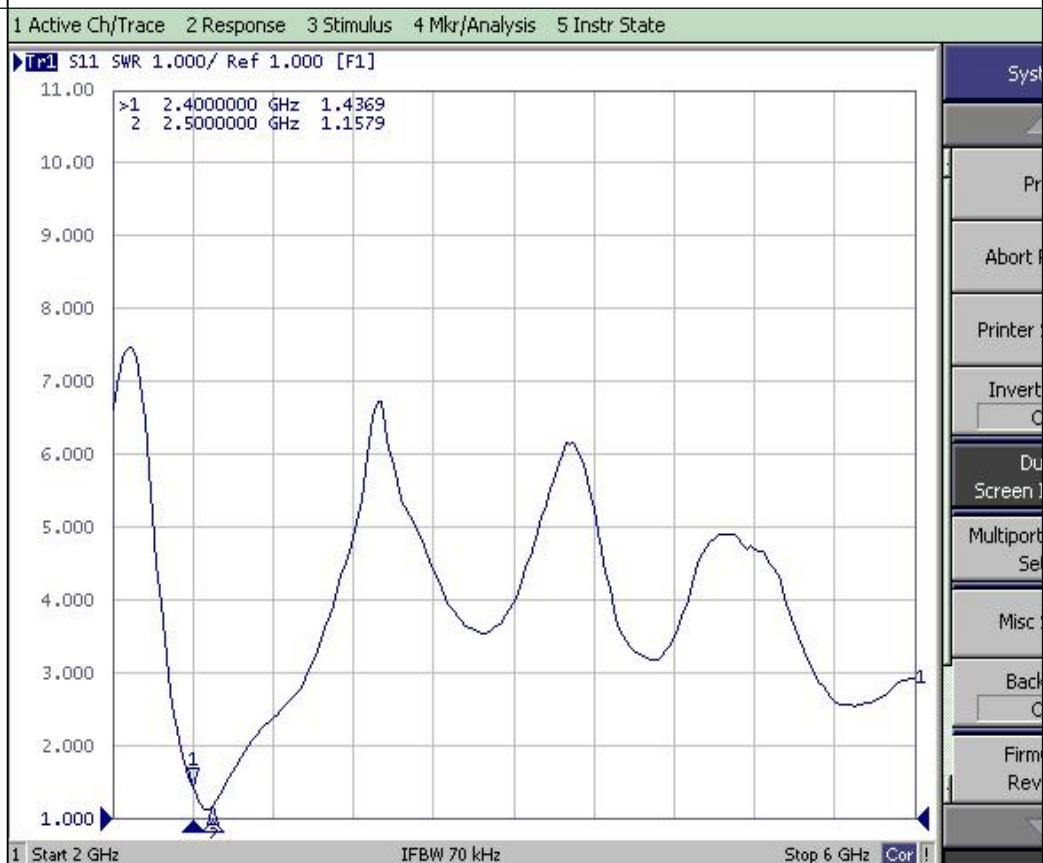
Frequency Band(MHz)	2400	2500
2-3-3. Typical Value:	≤ 2	≤ 2

UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±		 KINGRF TECHNOLOGY CO., LTD.
SCALE:	UNIT: mm	
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2-3-4 Measuring Method

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR.
2. Keeping this jig away from metal at least 20 cm

2-3-5 Picture



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ANGLES=± HOLEDIA=±

SCALE: UNIT: mm

DRAWN BY: LU CHECKED BY: YS

DESIGNED BY: JINTIAN APPROVED BY: YS



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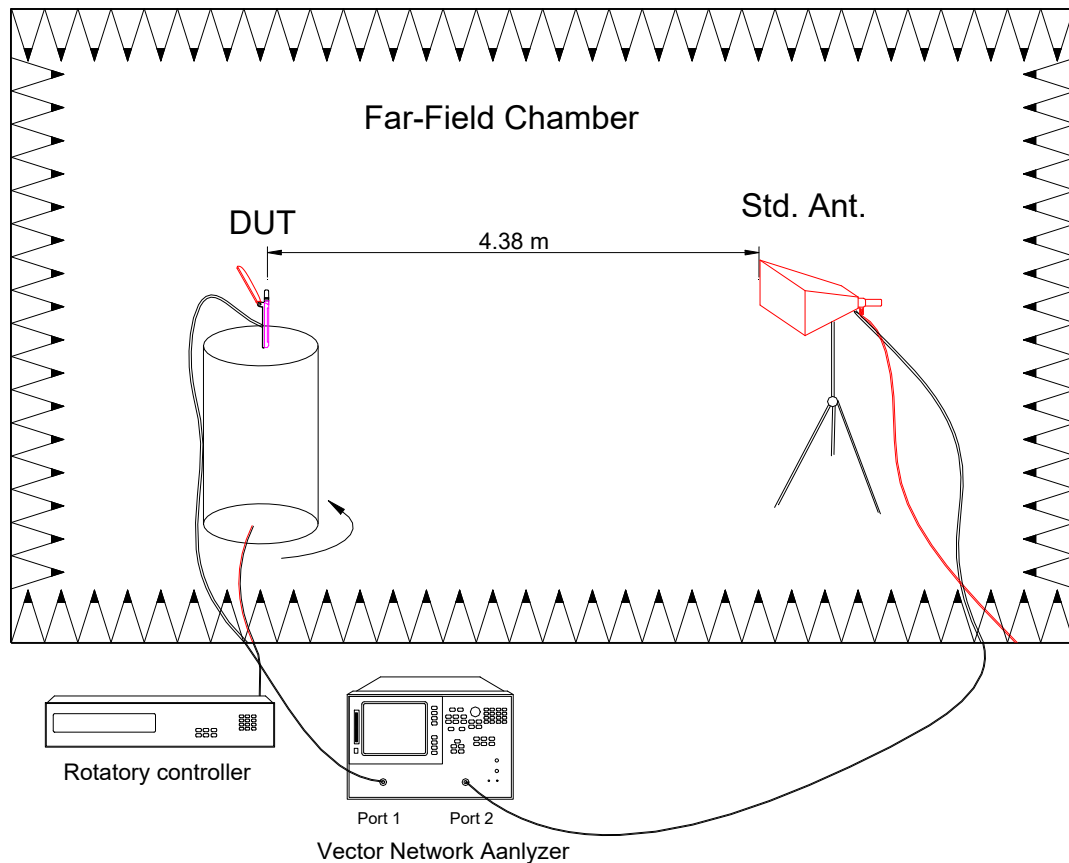
P0

2-4. Efficiency and Gain

4-5.1 Measure method

1. Using a low loss coaxial cable to link a standard handset jig
2. Fixed this handset jig on chamber's rotator plane
3. Linking jig into network analyzer port and using a probing horn antenna to collect data.
4. Using another standard gain horn antenna to calibrated those data

4-5.2 Chamber definition



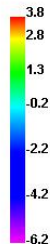
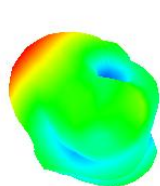
1. An anechoic chamber (7mx4mx3m) which satisfied far-field condition was applied to avoid multi-path effect
2. The quite room region is 40cmx40cmx40cm at the center of rotator
3. The distance between DUT and standard antenna is 4.38 m
4. Probing antenna (9120D horn antenna) and standard gain horn antenna (BBHA9120 LPF 700MHz ~6GHz)

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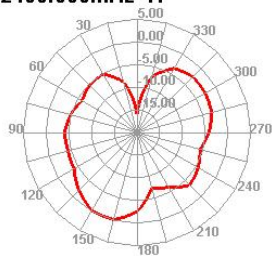
2-4-1 Efficiency and Gain

Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	54.45	-3.52	3.84
2410	51.71	-3.8	3.59
2420	50.58	-3.92	3.7
2430	49.15	-4.07	3.55
2440	50.59	-3.92	3.81
2450	47.11	-4.31	3.45
2460	51	-3.87	3.64
2470	46.44	-4.38	2.98
2480	54.93	-3.47	3.64
2490	56.8	-3.3	3.7
2500	63.12	-2.75	4.21

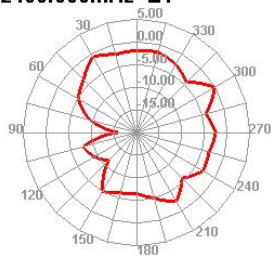
2400.000MHz



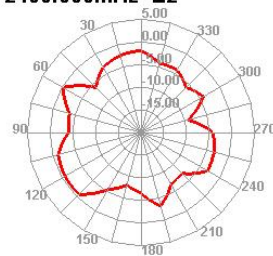
2400.000MHz H



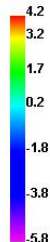
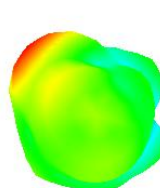
2400.000MHz E1



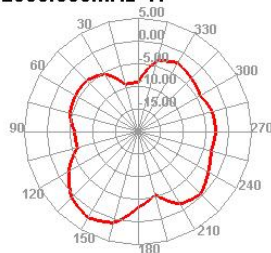
2400.000MHz E2



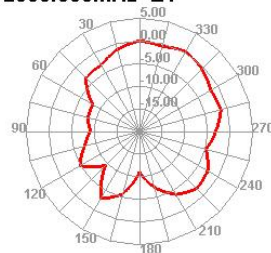
2500.000MHz



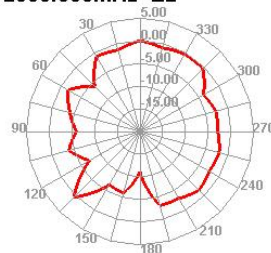
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



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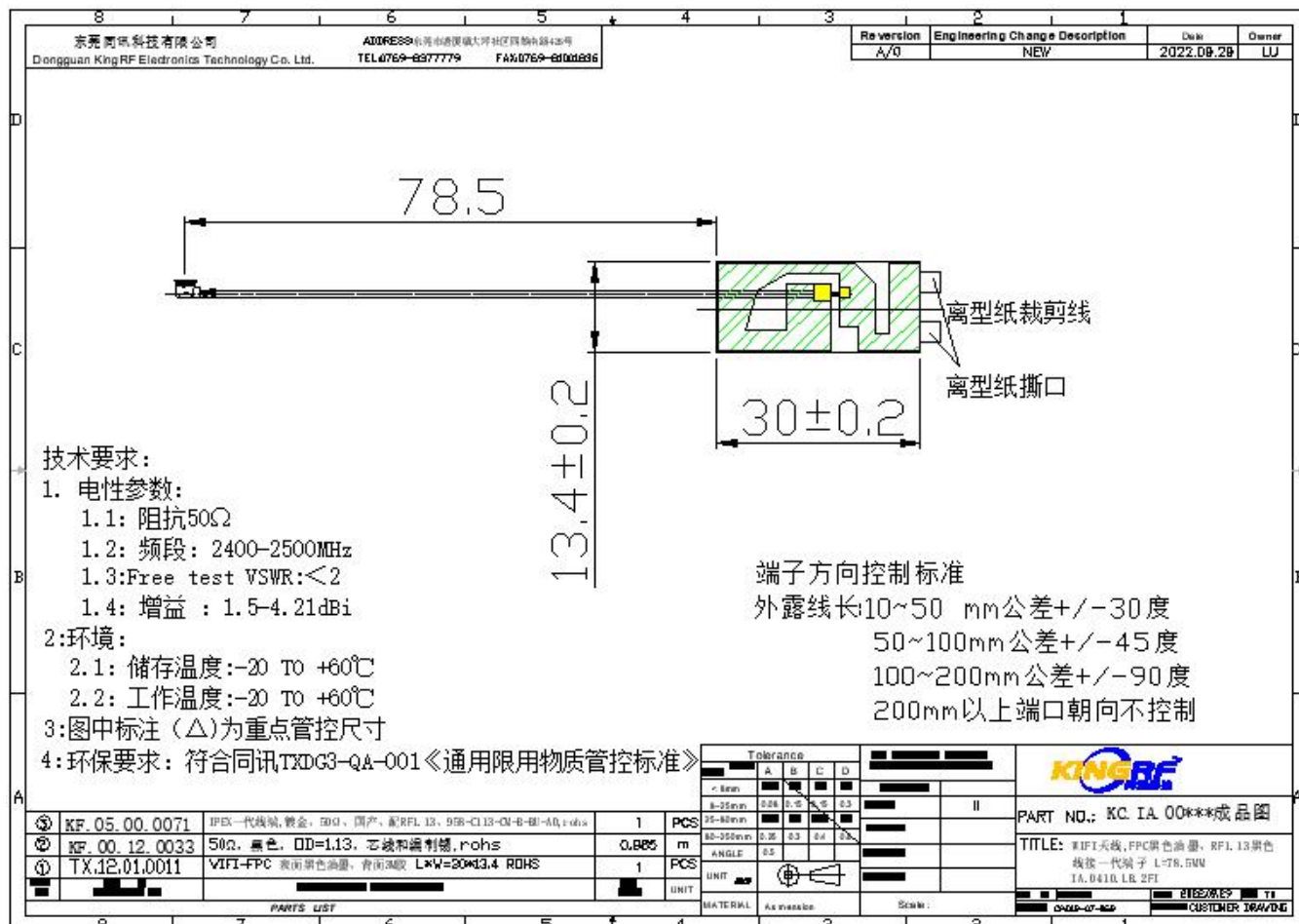
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3. Mechanical Specification:

3-1. Mechanical Configuration (Unit: mm)

The appearance of the antenna is according to drawing



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5.包装规格:

产品料号: **xxx**产品型号: **xxx**

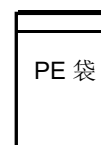
一、标签要求:

需方	xxx		
供方	xxxxxx		
物料编码	xx		
产品型号	xx		
数量/单	xxx PCS	出厂日期	X 年 X 月 X 日
备注/其他			

二、装箱要求:

作业说明:

1. 内包装:

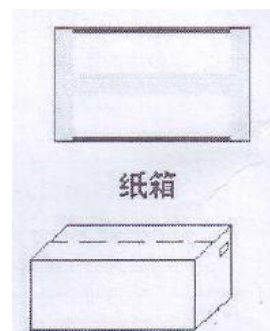
产品 **XXpcs** 一袋, 放入小 **PE** 袋;

2. 外包装:

XxPCS 一箱;

3. 注意事项:

- a. 是否要增设隔板、珍珠棉;
- b. 标签的帖附, 如 **ROHS** 等;



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