
Acknowledgement

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Shenzhen Kaadas Intelligent Technology co.,Ltd.

PRODUCT NAME: 2.4G internal antenna L=100mm

CUSTOMER P/N:

Ren Feng P/N: U00T02S000N03175 REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Huang Lei	
AUDITOR BY:	Huang Chao	
APPROVED BY:	Yao Dingjun	
DATE:	2023-04-13	

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一、 Change of resume

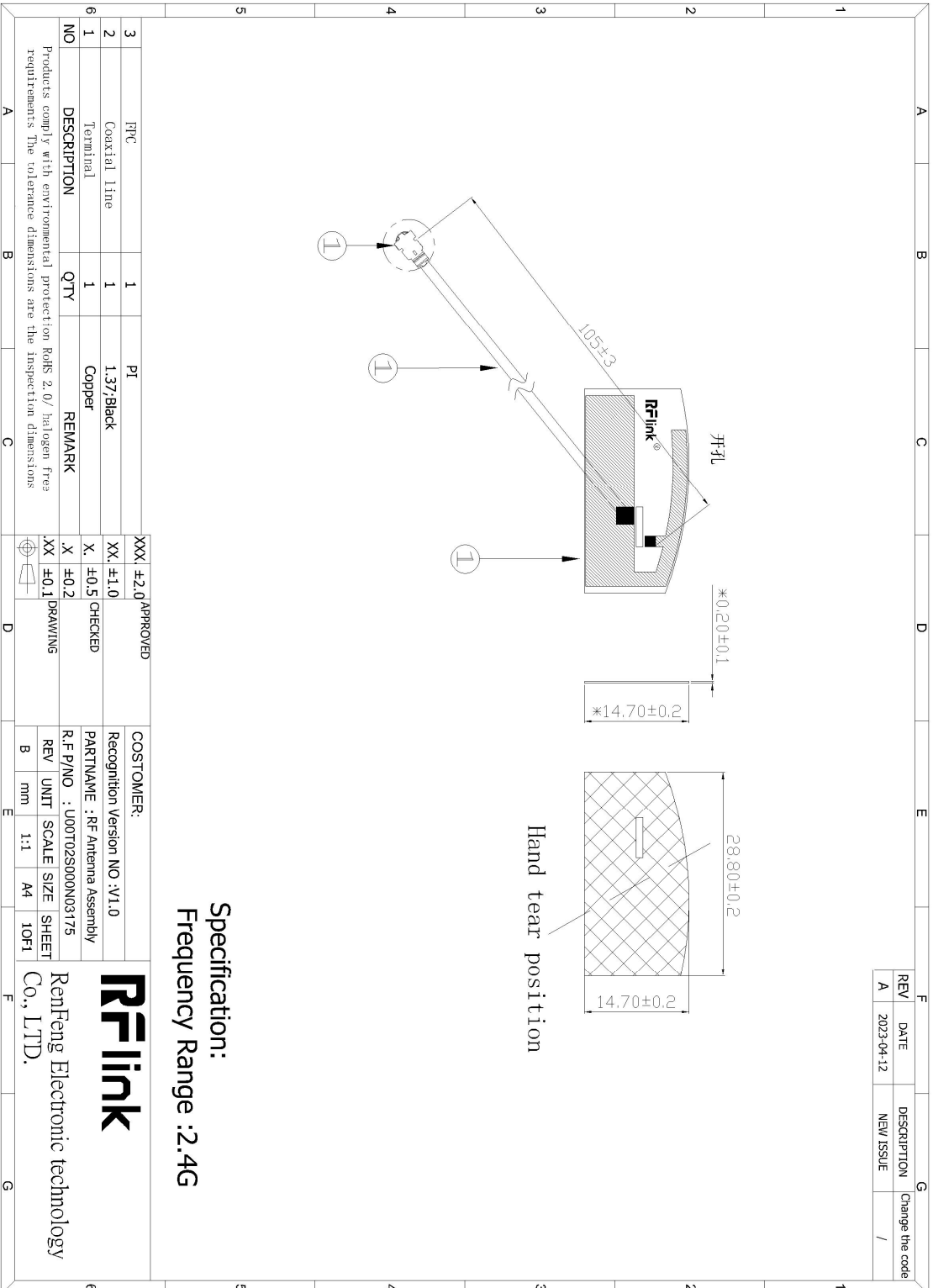
REV	DATE	Change record
A	2023-01-05	Initial release

二、 Specification sheet:

Product main technical parameters

Main technical specifications		Main technical specifications	
Frequency Range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Impedance(Ω)	50	Impedance(Ω)	50
Peak Gain(dBi)	4.47	Peak Gain(dBi)	4.47
VSWR	$\cong 2.0$	VSWR	$\cong 2.0$
Radiation	Omni-directional	Radiation	Omni-directional
Connector Type	Terminal	Connector Type	Terminal
Physical Properties		Physical Properties	
Antenna cover	FPC	Antenna cover	FPC
Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C

三、 Finished drawing:



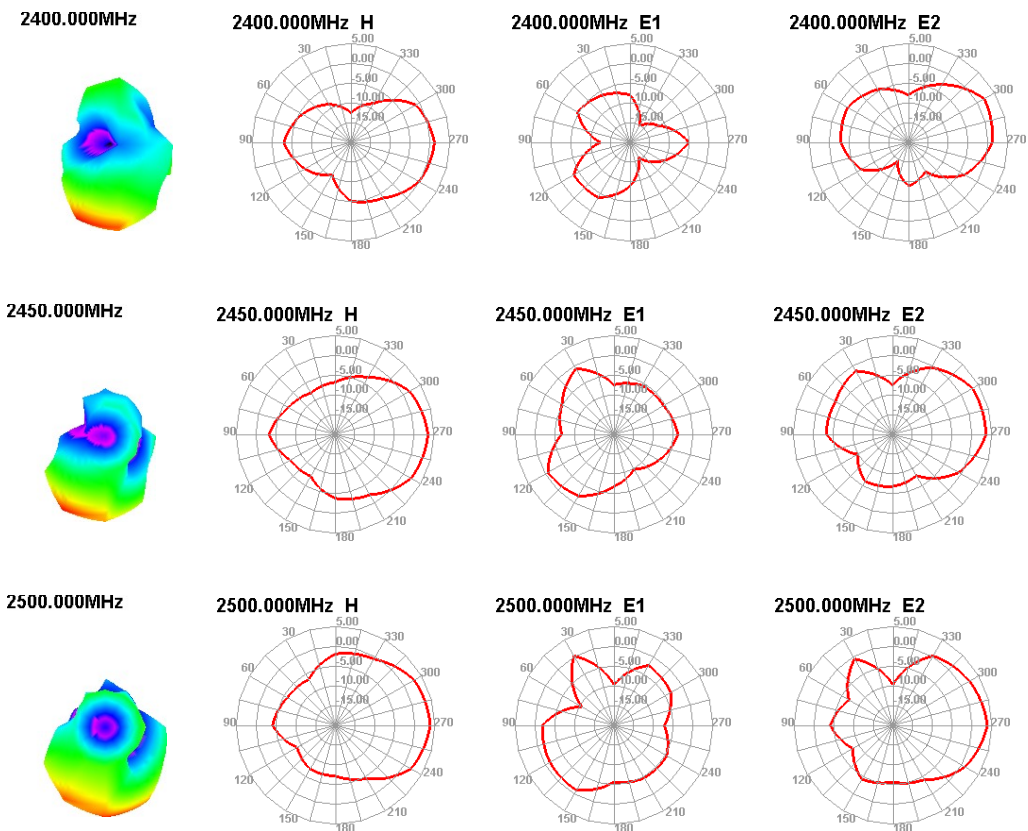
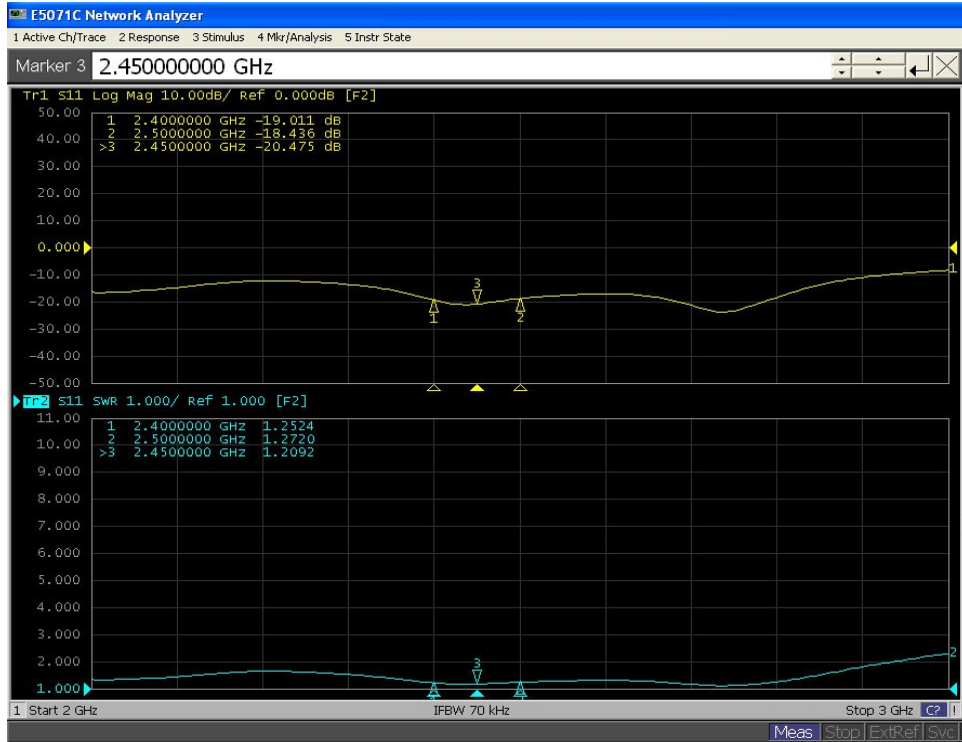
Specification:
Frequency Range :2.4G

3	IPC	1	PI	XXX: ±2.0 ^{APPROVED}	CUSTOMER:
2	Coaxial line	1	1.37/Black	XX: ±1.0	Recognition Version NO :V1.0
6	Terminal	1	Copper	X: ±0.5 CHECKED	PARTNAME : RF Antenna Assembly
NO	DESCRIPTION	QTY	REMARK	X: ±0.2	R.F P/NO : U00702S000N03175
Products comply with environmental protection RoHS 2.0/ halogen free requirements The tolerance dimensions are the inspection dimensions				XX: ±0.1 DRAWING	REV / UNIT SCALE SIZE SHEET
A	B	C	D	E	F G
				mm	1:1 A4 10F1

RF link
RenFeng Electronic technology
Co., LTD.

四、Test report

4.1、Network division test diagram





东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

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Freq (MHz)	Effi (%)	Effi (dB)
2400	68.41	3.67
2410	71.48	3.36
2420	72.39	3.86
2430	70.14	4.27
2440	73.21	4.35
2450	71.99	4.47
2460	71.52	4.46
2470	72.13	4.21
2480	72.91	4.19
2490	73.41	3.87
2500	74.77	3.83



五、ROHS/ Raw material list:

Meet RoHS requirements.

Serial number	Name	Material	QTY	Unit	Material manufacturer	UL certification number
1	FPC	PI	1	pc	Junyi	/
2	Line 1.37	Tin /FEP plating	1	pc	Cable/China Unicom	/
3	Terminal	Copper	1	pc	Koxincheng/CAI Mei	/