

Acknowledgement

SPECIFICATION FOR APPROVAL

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

PRODUCT NAME: 2.4G internal antenna L=65/65mm

CUSTOMER P/N:

Ren Feng P/N: U00T02S000N03046 REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Huang Lei	
AUDITOR BY:	Huang Chao	
APPROVED BY:	Yao Dingjun	
DATE:	2023-02-27	

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一、 Change of resume

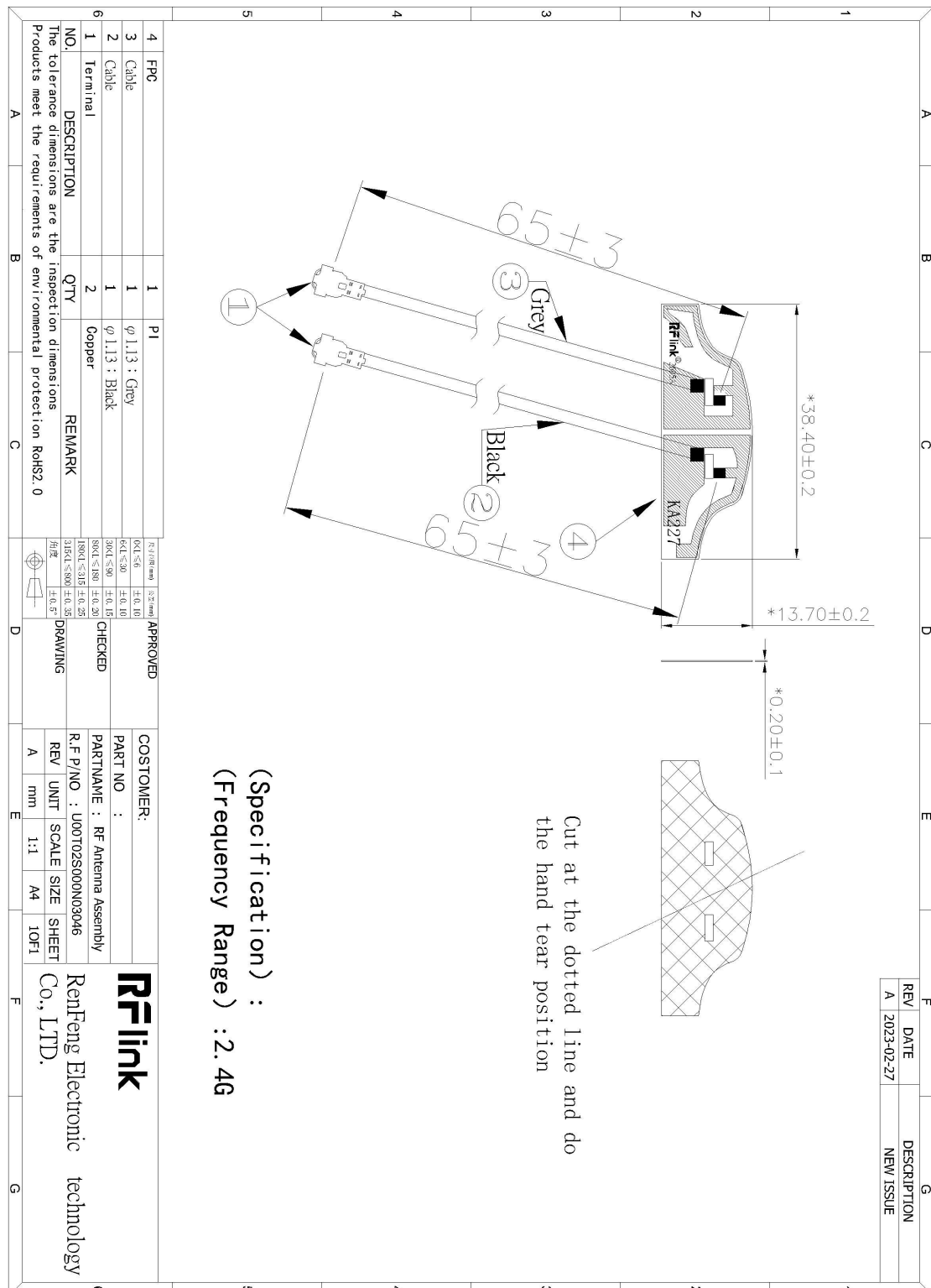
REV	DATE	Change record
A	2023-02-27	Initial release

二、Specification sheet:

Product main technical parameters

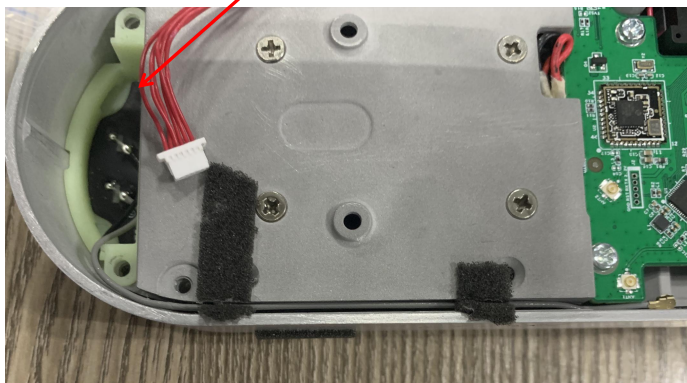
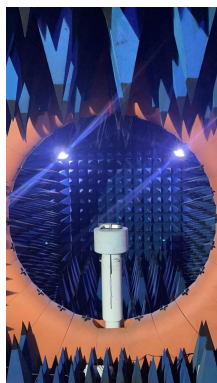
Main technical specifications		Main technical specifications	
Frequency Range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Impedance(Ω)	50	Impedance(Ω)	50
Peak Gain(dBi)	WIFI $\leq$ 3.26 BT $\leq$ 2.27	Peak Gain(dBi)	WIFI $\leq$ 3.26 BT $\leq$ 2.27
VSWR	$\leq$ 2.0	VSWR	$\leq$ 2.0
Radiation	Omni-directional	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:



四、Antenna placement

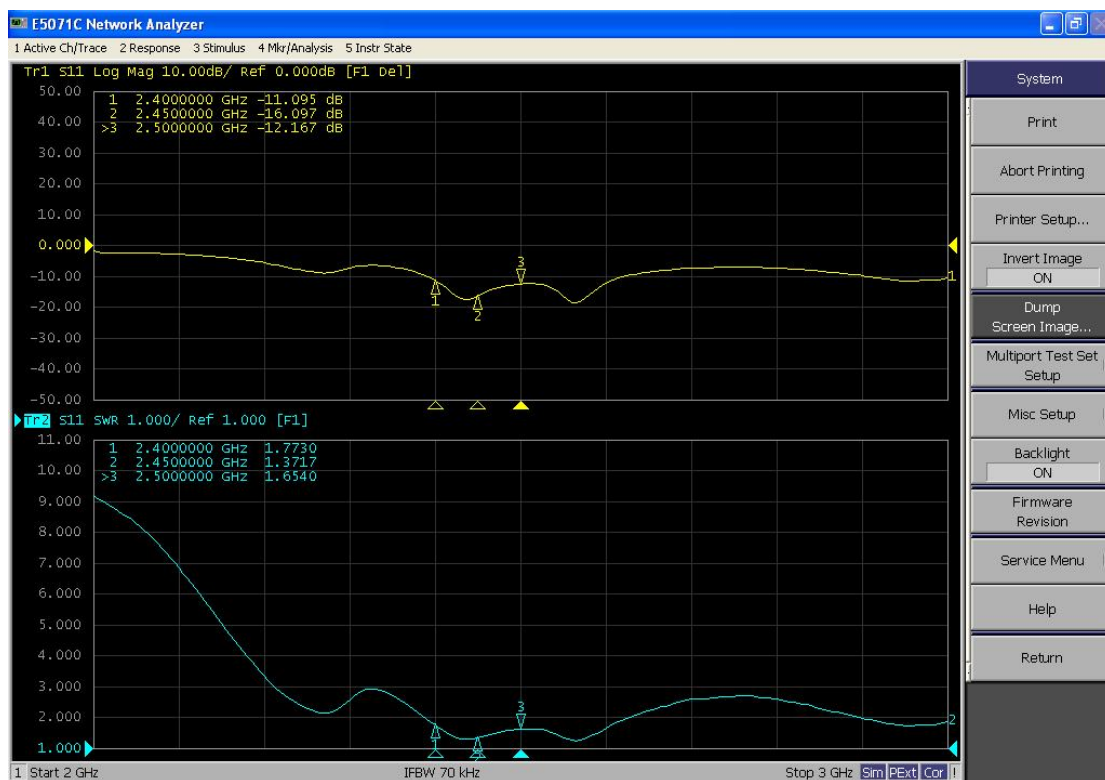
Antenna position



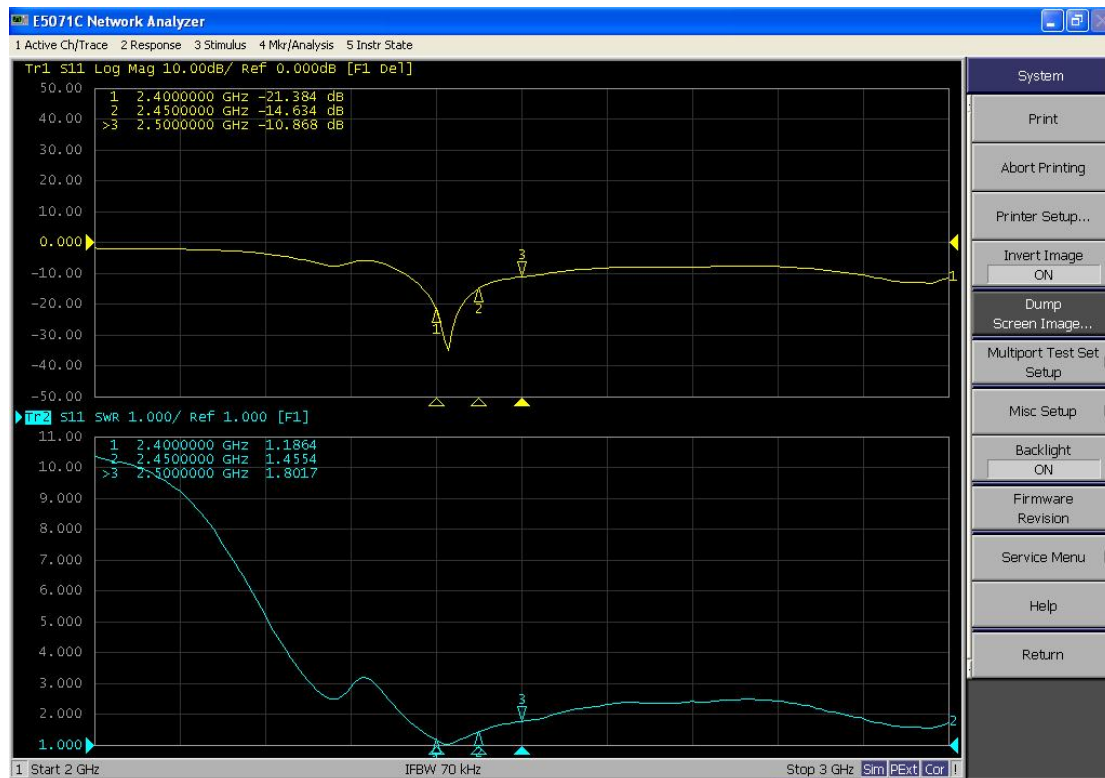
五、Test report

5.1: Network analyzer test report

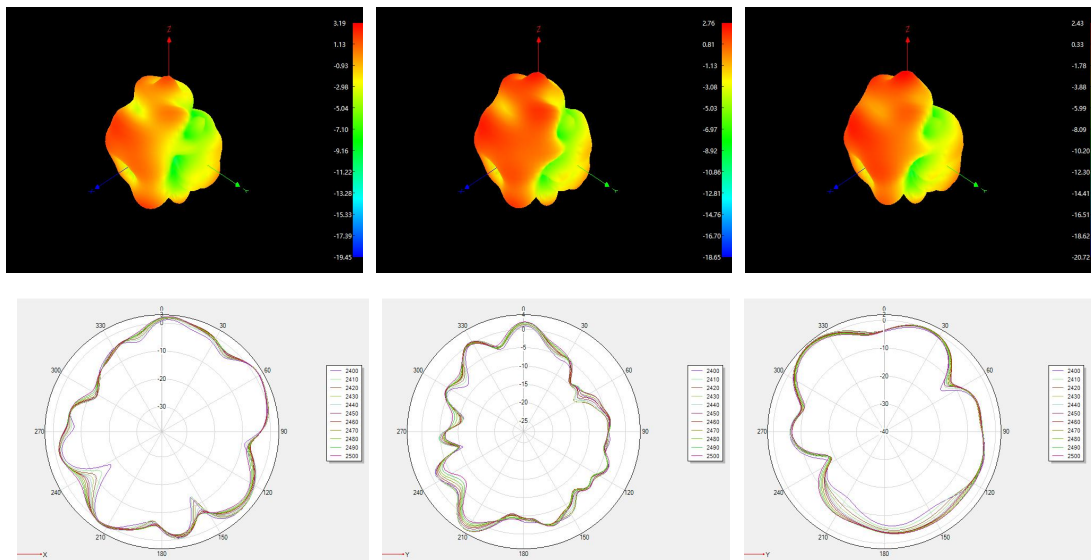
WIFI



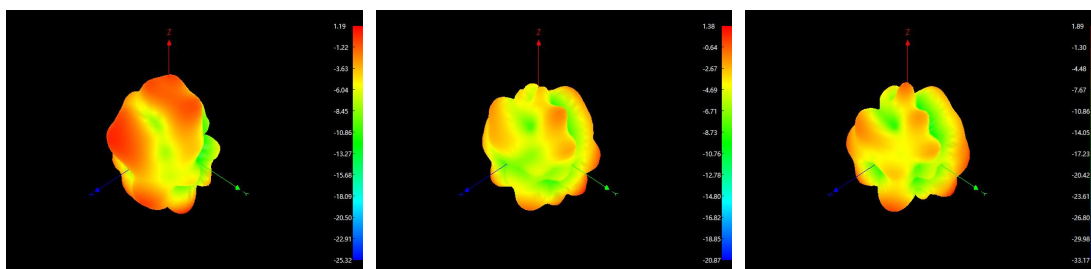
BT

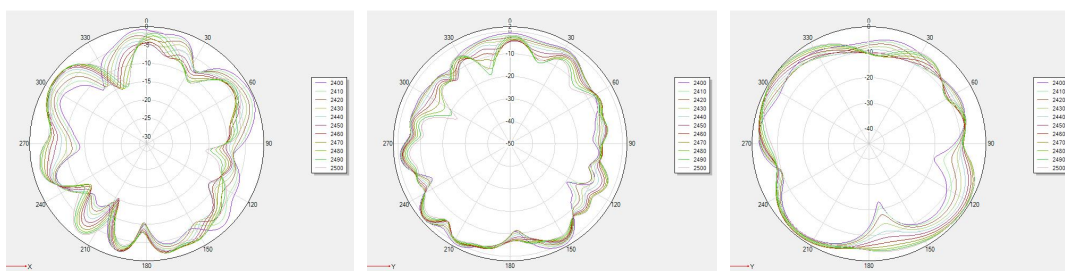


WIFI



BT





WIFI			BT		
Frequency MHz	Efficiency %	Gain dBi	Frequency MHz	Efficiency %	Gain dBi
2400	55.89	3.19	2400	51.97	1.19
2410	56.97	3.21	2410	54.22	1.17
2420	55.59	3.26	2420	53.27	1.21
2430	57.41	3.22	2430	53.88	1.26
2440	58.48	3.08	2440	54.51	1.16
2450	57.68	2.76	2450	55.65	1.38
2460	55.85	2.39	2460	56.9	1.85
2470	58.33	2.29	2470	57.93	2.16
2480	53.46	2.31	2480	58.37	2.27
2490	59.64	2.3	2490	57.93	2.13
2500	57.35	2.43	2500	56.24	1.89

五、ROHS/ Raw Material List:

Meet RoHS requirements。

Component number	Component name	Material	QTY	Unit	Material manufacturer	UL
1	FPC	PI	1	pc	Junyi	/
2	φ 1.13 Cable	Tinning/FEP	2	pc	China Ocean Unicom	/
3	Terminal	Copper	2	pc	CAI Mei/Kechinol	/