

Acknowledgement

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Tonly Technology Co., Ltd.

PRODUCT NAME: 2.4G Internal antenna L=205mm

CUSTOMER P/N:

Ren Feng P/N: U00T02S000N02719 REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Huang Lei	
AUDITOR BY:	Liu Xiaolin	
APPROVED BY:	Yao Dingjun	
DATE:	2023-02-13	

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一、 Change your resume

REV	DATE	Change record
A	2023-02-13	Initial release

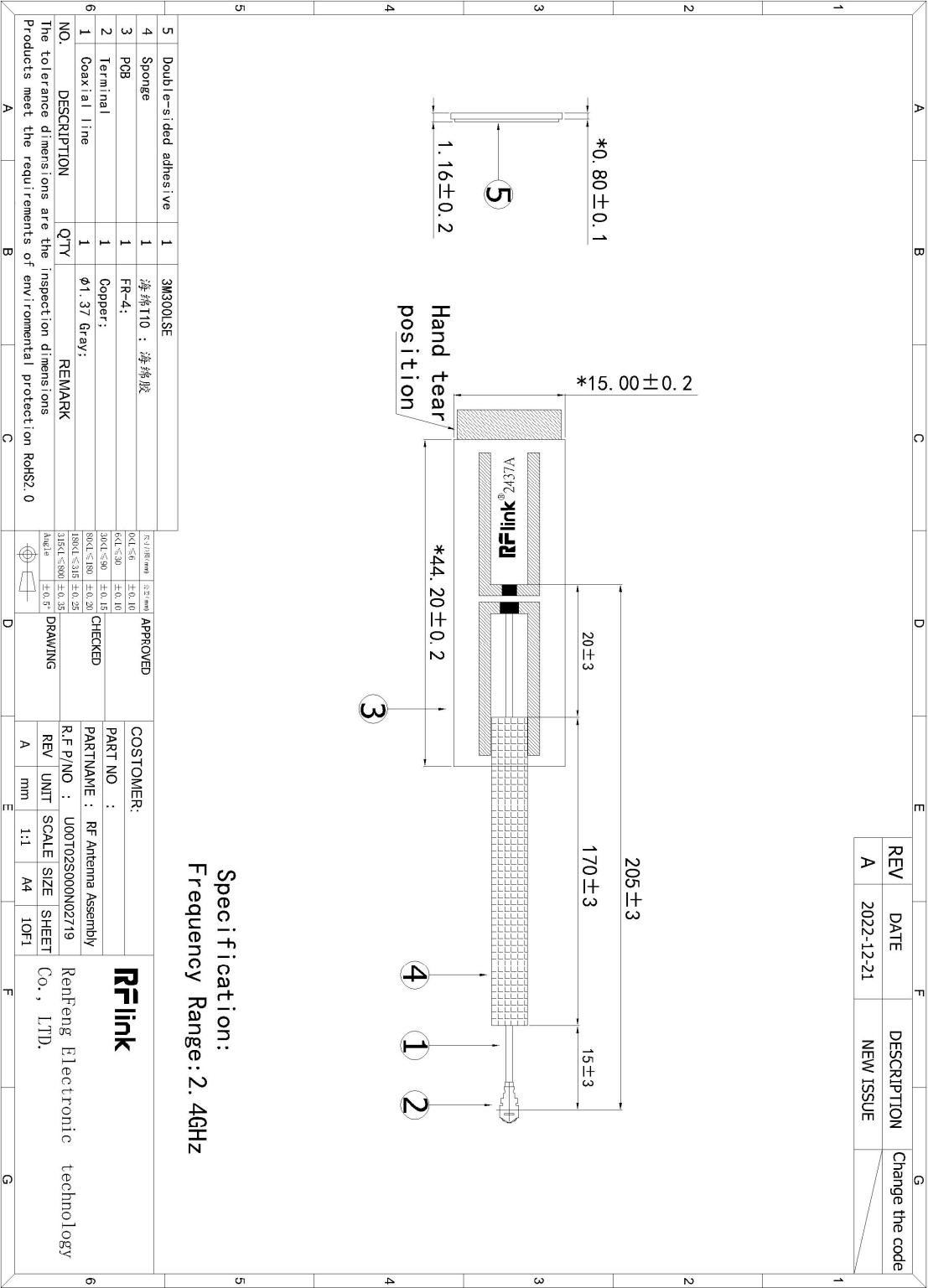
二、 Specification sheet:

Product main technical parameters

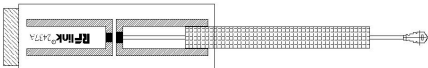
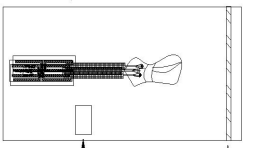
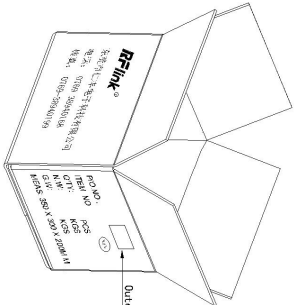
Main technical specifications		Main technical specifications	
Frequency Range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Impedance(Ω)	50	Impedance(Ω)	50
Peak Gain(dBi)	2.04	Peak Gain(dBi)	2.04
VSWR	≤ 2.0	VSWR	≤ 2.0
Radiation	Omni-directional	Radiation	Omni-directional
Connector Type	Terminal	Connector Type	MHF Plug
Physical Properties		Physical Properties	
Antenna cover	PCB	Antenna cover	FR-4
Operating Temp	-20℃~+70℃	Operating Temp	-20℃~+70℃
Storage Temp	-20℃~+70℃	Storage Temp	-20℃~+70℃

三、 Finished product drawing & packing drawing:

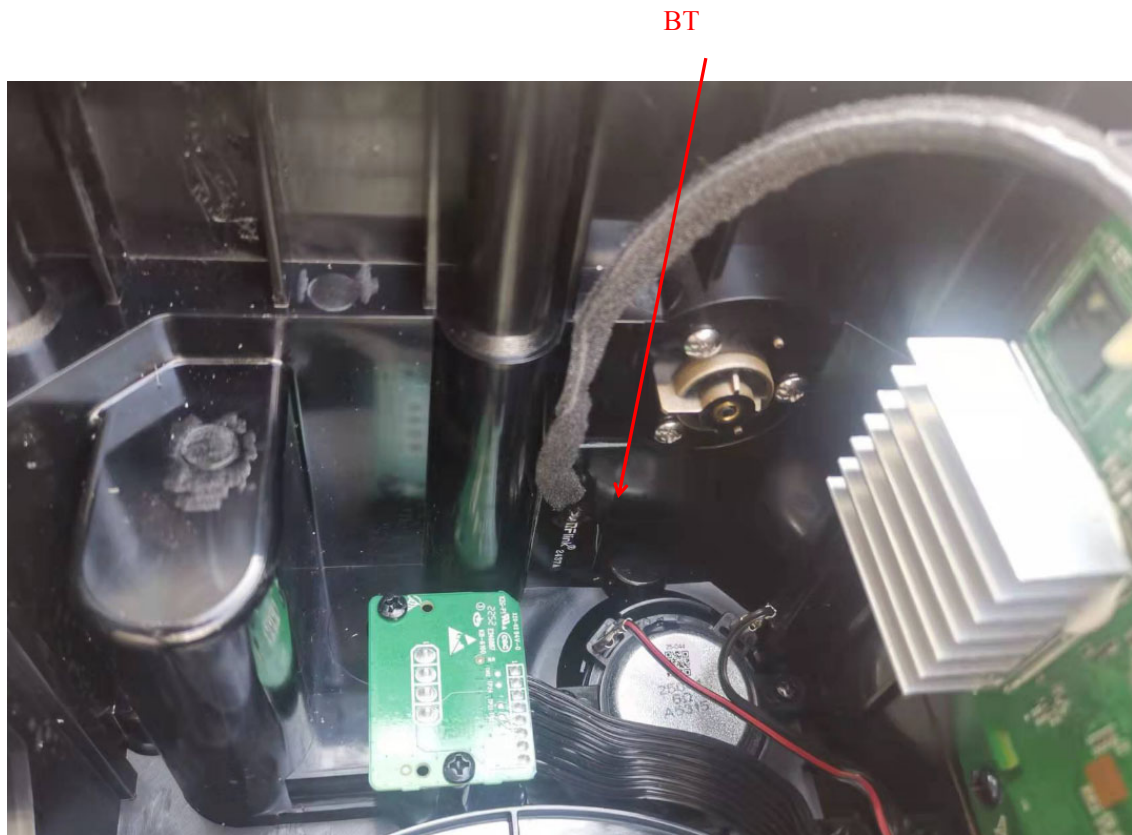
2. 1、 Antenna size diagram



2.2、Packing specification

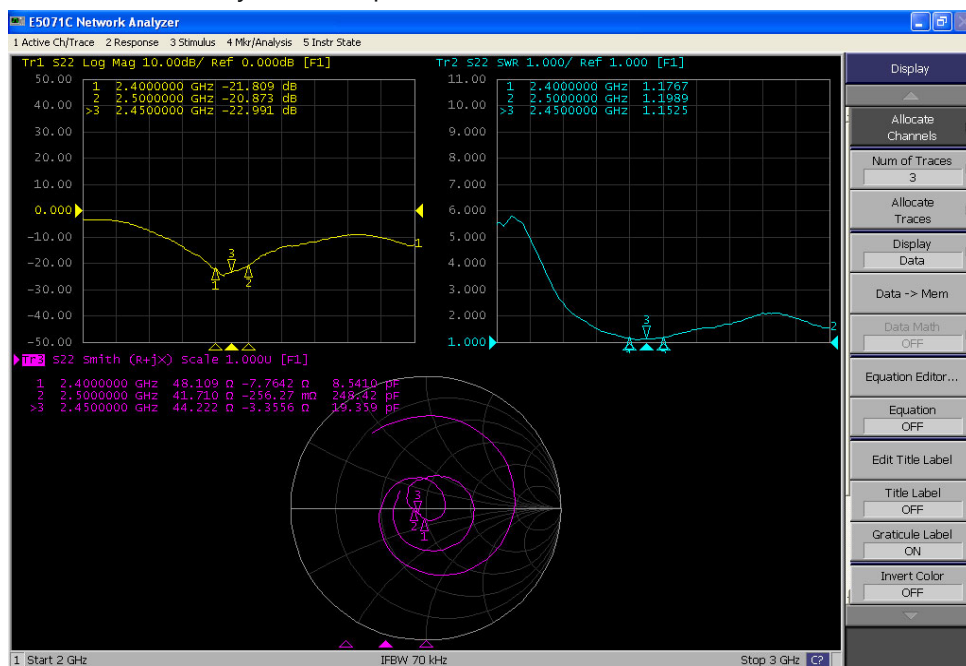
Product packaging						<table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th></th> </tr> <tr> <td>A</td> <td>2022-12-21</td> <td>NEW ISSUE</td> <td>Change the code</td> </tr> </table>		REV	DATE	DESCRIPTION		A	2022-12-21	NEW ISSUE	Change the code
REV	DATE	DESCRIPTION													
A	2022-12-21	NEW ISSUE	Change the code												
Individual product				Inner bag packing											
															
Packing instructions of inner bag: 1. Each bag contains 100pcs of products. 2. Use a pearl-cotton bag or rubber band to fix the wire 3. Each bag should be labeled accordingly				PE bag											
															
Packing instructions of the outer box: 1. RoHS label and 1pc label should be affixed to the outer box. 2. Each box contains 40 bags /4000pcs of products.				Outer box packing											
															
尺寸范围 (mm) 公差 (mm) 60.15-60 1.15.10 60.15-60 1.15.10 60.15-60 1.15.10 60.15-60 1.15.10 60.15-60 1.15.10 60.15-60 1.15.10		APPROVED PART NO : CHECKED R.F P/NO : U00T02S000N02719		CUSTOMER: PART NO : PARTNAME : REV UNIT SCALE SIZE SHEET A mm 1 : 1 A4 10F1		RF link RenFeng Electronic technology Co., LTD.									
Products meet the requirements of environmental protection RoHS2.0															

四、Antenna assembly position:

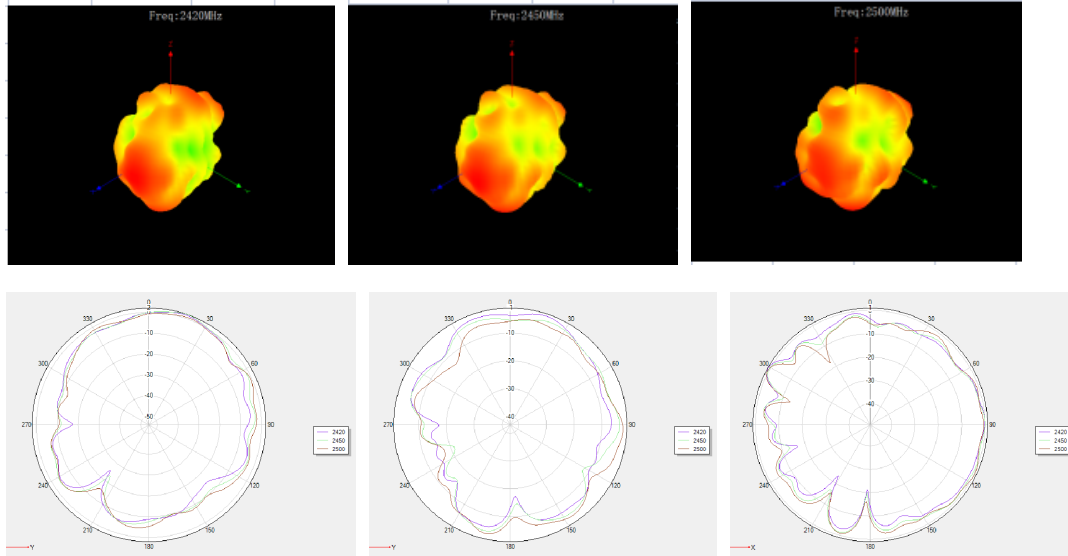


五、Test report

5.1: Network analyzer test report



5.2: Efficiency and gain



Freq (MHz)	Effi (%)	Gain (dBi)
2400	57.81	1.37
2410	59.16	1.94
2420	59.98	1.98
2430	56.1	1.88
2440	56.36	2
2450	59.43	2.04
2460	56.23	1.87
2470	54.7	1.61
2480	54.7	1.38
2490	56.1	1.59
2500	57.02	1.63

六、ROHS/ Raw material list:

Meet RoHS requirements。

Serial number	Name	Material	QTY	Unit	Supplier	UL certification number
1	PCB	FR-4	1	pc	Junyi	/
2	1.37 Coaxial line	Tinning/FEP	1	pc	China Ocean Unicom	/
3	Terminal	Phosphor bronze	1	pc	Kexincheng	/
4	Linear sponge	Sponge T10	1	pc	Pengsheng	/
5	Double-sided adhesive	3M300LSE	1	pc	Pengsheng	/