

Project : Y240314760

Date. 2024.03.20

REV: A0

Antenna SPEC

Customer name: Guangzhou Shikun Electronic Technology Company Limited

Customer project: L570

Part Number: 004.032.0052914

B&T P/N: 74300195

B&T P/N : Built-in antenna - 2.4 / 5G-grey 1.13 tin wire -1
generation terminal -L=195mm-FPC-26.2×25.4mm

Sealed by corporation:

compilation	ver if y	approval
Huangfeihui	LuJie	Liulihua

Contact information of B&T:

Contact person for sales: Longmingguo	MB:18576042661	E-mail: longmg@tech-now.com
Contact person for technical: LuJie	MB:13530413724	E-mai: lvj@tech-now.com
Contact person for Quality: zengkang	MB:18188400229	E-mail: zengk@tech-now.com

Company Address : No.2&3, 5/F, Building 8, No.218, Wenwu Middle Road, Tangxun Street,
Economic Development Zone, Mianyang, Sichuan Province, P.R.China

Form no. : B&T- qr-en-002 version: B3

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3、 Product drawing

REV.	Revise	Date
A0	24-3-20	

BAT-MT926-WIFI

Screen printing font bright white The release paper breaks the wire

Technical requirement

- The antenna welding part is firm, the cable size is accurate (terminal maintenance force $\geq 1\text{Kg}$).
- Screen printing color is bright white, the font is clear and not easy to fall off.
- "*" is the IQC key inspection size.
- Packaging and quality standards refer to Boantong packaging specifications and Boantong quality standards respectively.
- The material meets the requirements of ROHS2.0.
- The terminal mouth does not face the direction.

Number	Part name	Material/technology	Designer	Xiemeiquan	Weight	Quantity	Scale	Unit	Name	Project No.	Part No.
①	I generation RF terminal		Verify								
②	Coaxial line		Approval				1 : 1	mm		Y240314760	74300195
③	FPC										

Built-in antenna - 2.4 / 5G-grey 1.13
 tin wire -I generation terminal
 -L=195mm-FPC-26.2×25.4mm

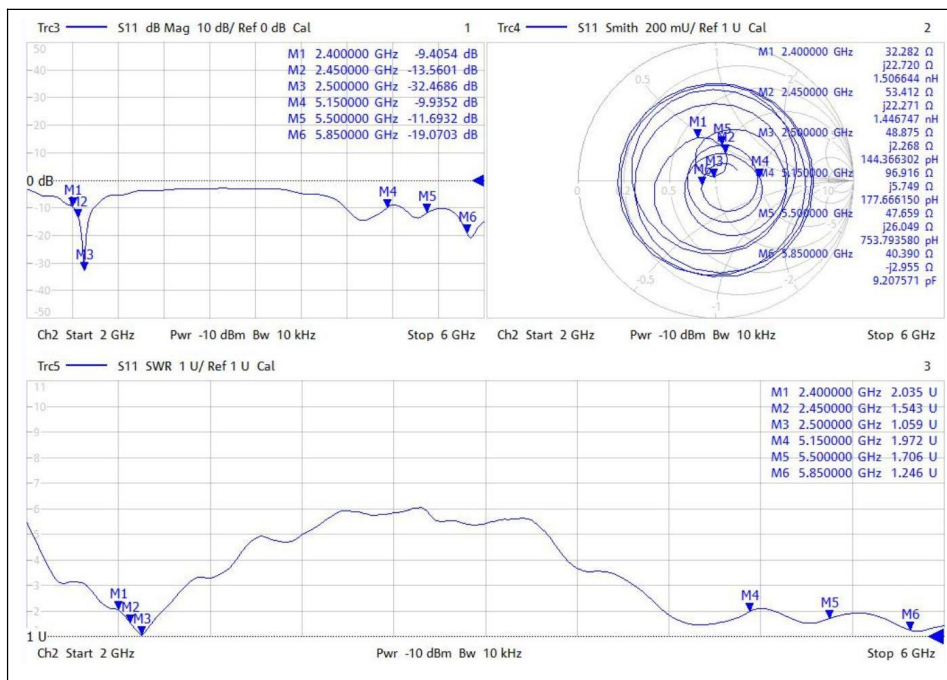
Page 1 of 1							
ZHONGSHAN B&T TECHNOLOGY HOLDINGS Co., Ltd							

4、Properties ¶meter

Electrical Parameter	
Freq Range	2400~2500/5150~5850MHz
Characteristic Impedance	50 Ω
VSWR	sample of reference project
The Max input power	<10w
Polarization mode	Polar linearization
Radiation mode	Omni directional
Connector style	terminal
Mechanics Properties	
Length	195 $\pm$ 3mm
Maintain the force	$\geq$ 1 kgf
Coaxial cable	Grey 1.13 tin tin wire
Salt spray test	24H
Environment parameter	
Operating Temp	-30 $^{\circ}$ C~65 $^{\circ}$ C

5、Electrical test report (Complete machine)

S11 Parameter



Standing wave ratio data

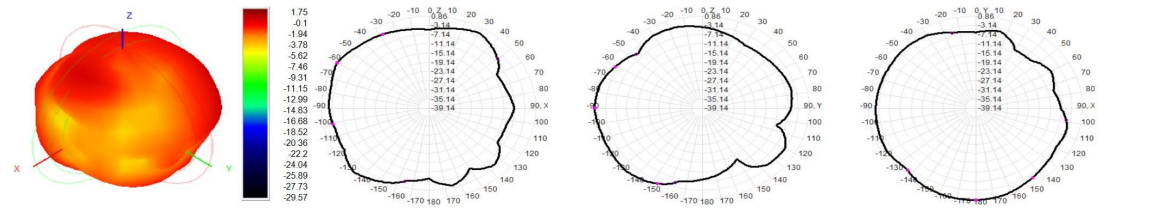
Freq	2400MHz	2450MHz	2500MHz	5150MHz	5500MHz	5850MHz
VSWR	2.03	1.54	1.05	1.97	1.70	1.24

Efficiency&Gain

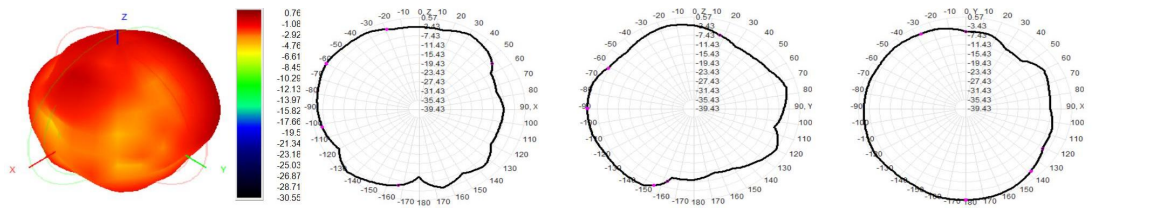
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.01	1.75	50.04
2410.0	-2.95	1.47	50.66
2420.0	-2.99	1.23	50.25
2430.0	-2.97	1.22	50.47
2440.0	-3.08	0.93	49.22
2450.0	-3.13	0.76	48.67
2460.0	-3.17	0.65	48.21
2470.0	-3.19	0.70	47.92
2480.0	-3.20	0.81	47.87
2490.0	-3.30	0.80	46.77
2500.0	-3.36	0.91	46.16
5150.0	-2.53	4.18	55.80
5200.0	-2.58	3.93	55.24
5250.0	-2.65	3.78	54.37
5300.0	-2.67	4.05	54.12
5350.0	-2.71	4.00	53.62
5400.0	-2.79	4.00	52.58
5450.0	-2.77	4.24	52.84
5500.0	-2.82	3.70	52.28
5550.0	-2.80	4.17	52.50
5600.0	-2.92	3.66	51.09
5650.0	-2.81	4.16	52.36
5700.0	-2.97	4.62	50.45
5750.0	-3.00	4.55	50.09
5800.0	-2.75	4.89	53.04
5850.0	-3.02	4.44	49.93

Radiation pattern

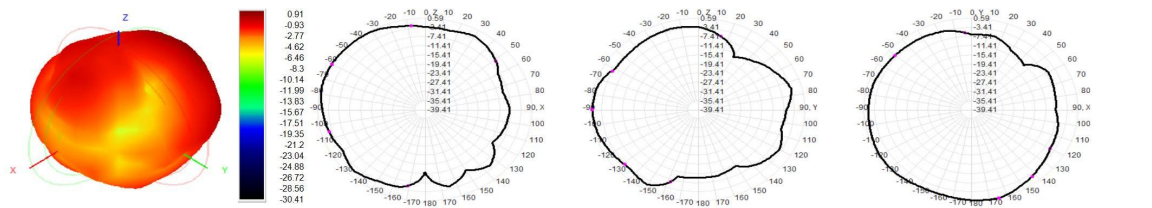
2.4GHz



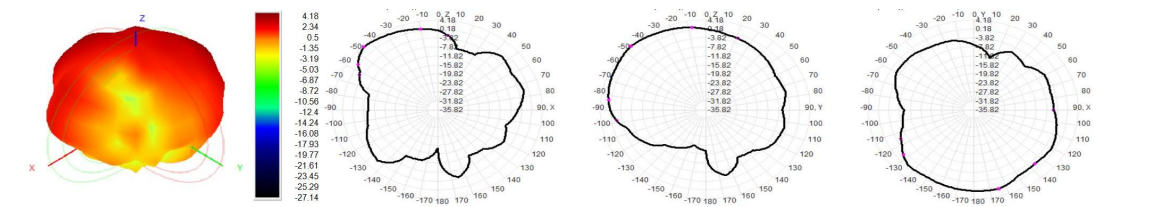
2.45GHz



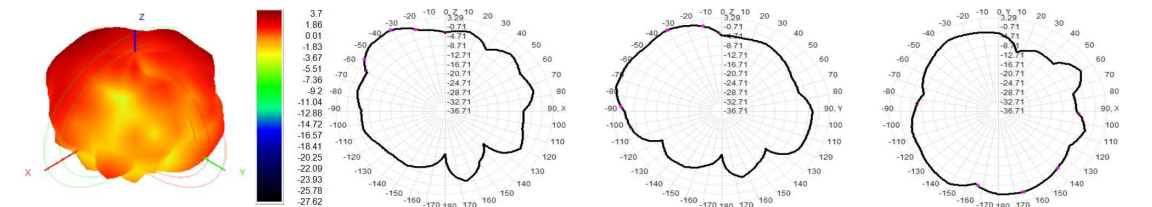
2.5GHz



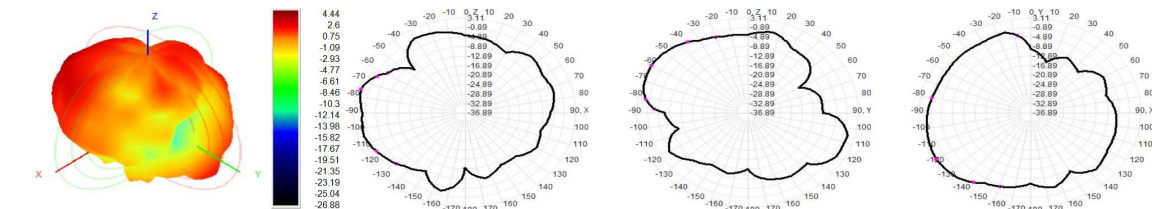
5.15GHz



5.5GHz



5.85GHz



6、Material composition and hazardous substances list

原材料测试清单 Raw Material Test List																	
客户编码 (Customer P/N):		物料名称 (Part Name)										供应商 (Vendor) 四川博安通信息技术有限公司		供应商料号 (Vendor P/N):			
No (序号)	Raw Material Name (原材料名称)	Raw Material Model (原材料型号)	Raw Material Supplier (原材料供应商)	Banned Substance Content/ppm (禁止物质含量/ppm)										Test Lab 检测机构	Test Report Number (检测报告号)	Test Date (测试日期)	第三方测试报告附件
				Pb (铅)	Cd (镉)	Hg (汞)	Cr+6 (六价铬)	PBBs (聚溴化苯)	PBDEs (聚溴化苯醚)	邻苯二甲酸二(2-乙基己基)酯 (DEHP)	邻苯二甲酸二丁酯 (DBP)	邻苯二甲酸丁基苯酯 (BBP)	邻苯二甲酸二异丁酯 (DIBP)				
1	1.13线	镀锡铜线	微波通	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	SGS	CANEC23005577501	2023/7/7	
2		FEP	微波通	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	SGS	WCBPC24000131241	2024/1/16	
3	端子	磷青铜	彩类	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	SGS	CANEC24000977301	2024/1/22	
4		PET	彩类	3.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	CTI	ETR23705930	2023/8/4	
5	FPC	PI	博永凯	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	SGS	SHARC24000428805	2024/1/12	
6		背胶	博永凯	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	SGS	CANEC2227657306	2023/5/30	

1. 上述均质材料如果属非金属，还需回答三个问题：①是否含卤素： ☐ 含有YES ☒ 不含有NO ②是否含红磷： ☐ 含有YES ☒ 不含有NO ③是否含三氧化二锑： ☐ 含有YES ☒ 不含有NO
2. 上述材料或材质如果属于涂料、油墨、胶粘剂或清洗剂，请将其VOC测试报告编号填写到对应备注栏里，同时将此报告附于原材料检测清单下面

7、Prohibited substance warranty

禁用物质保证(Certification of Restricted Substance)

我方保证所提供的物料，完全遵守签核的广州视源电子科技有限公司/或其子公司的质量和环保协议中的各项条款，物料中禁用物含量，符合最新版《有害物质管理规范》中的各项标准。

We hereby certify that all the Material fully conform to the requirements of the ShiRuan/or its affiliated companies Declaration of Conformity that had been signed, and the maximum concentration value of restricted substance in Materials comply with the latest 《Regulations on the management of hazardous substances.》



PACKING CRITERION

P/N: 74300195

Spec.: Built-in antenna - 2.4 / 5G-grey 1.13 tin wire -1 generation terminal -L=195mm-FPC-26.2 × 25.4mm

一、contents of label(according to the customer's name, refer to the corresponding finished product label production requirements. If there is no requirement, it will follow the ordinary label requirements.)

Label for PE bag/ carton, L:10cm;W:6cm

buyer	*****		
vender	Zhongshan B&T Communication Technology Co., Ltd. Sichuan B&T Communication Technology Co., Ltd.		
Purchase No	*****		
Material No.	*****		
Part name	*****	QC	**
Q'ty/Unit	*****	Manufacture date	****.*.*
Trace code	*****	Running water number	*****

Label for PE bag/ carton, L:10cm;W:6cm

buyer	*****		
vender	Zhongshan B&T Communication Technology Co., Ltd. Sichuan B&T Communication Technology Co., Ltd.		
Purchase No	*****		
Material No.	*****		
Part name	*****	QC	**
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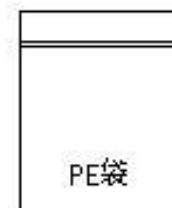
二、Packing requirement

Operating description:

1. inner packing:

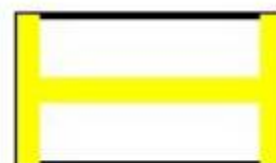
50 PCS/ small bag,

200 PCS/ big bag

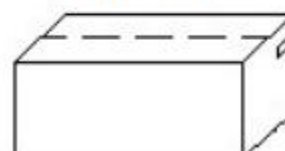


2. outer packing:

Quantity according to actual packing PCS/carton



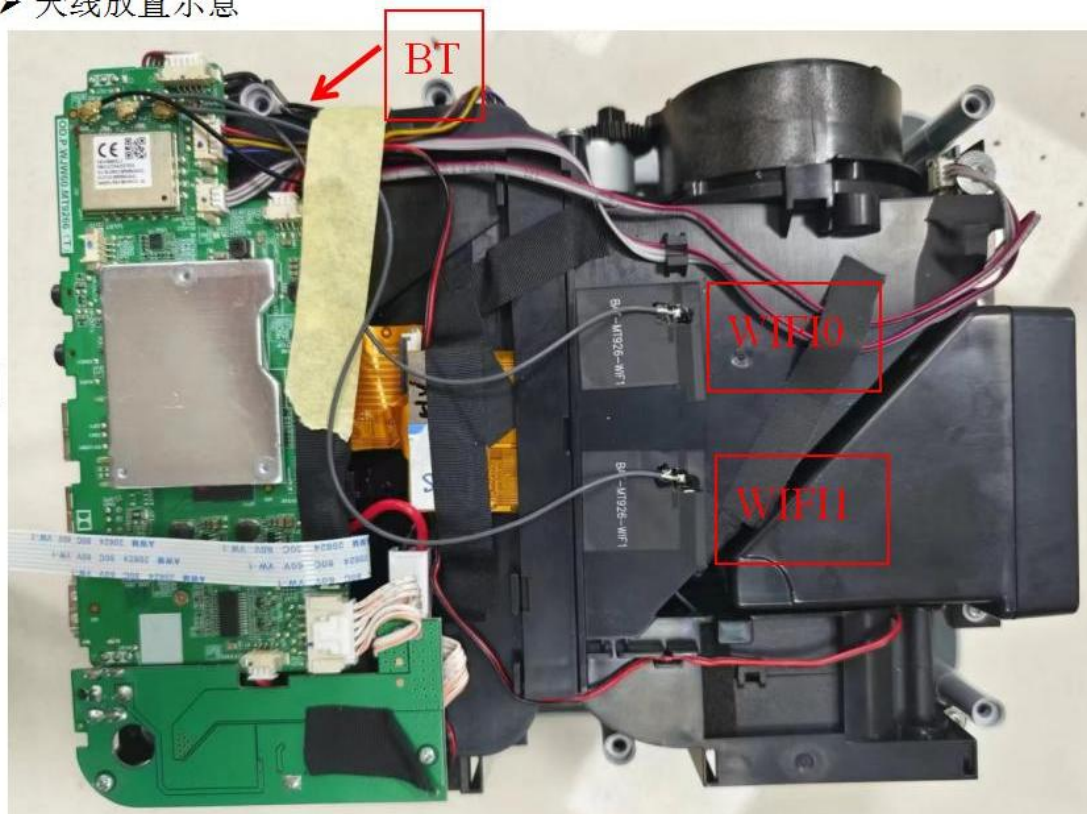
Carton



Notice:

9、Antenna installation diagram and antenna physical diagram

✎ 天线安装示意图



Antenna diagram

