

Project :Y230410307

Date.2023.06.09

REV: A0-0609

Antenna SPEC

Customer name: DNAKE

Customer project: 904M-S61

Customer P/N: 419900000151

B&T P/N: 74220181

Spec.: internal antenna -2.4G-Black-1.13 wire-terminal-L=140mm

-shrapnel-53.95×11.9×5.2mm

Sealed by corporation:

compilation	verify	approval
Huangfeihui	Yangbingwu	Liulihua

Sealed by customer:

check	verify	approval

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SUPPLIER: Sichuan B&T Communication Technology Co., Ltd.

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

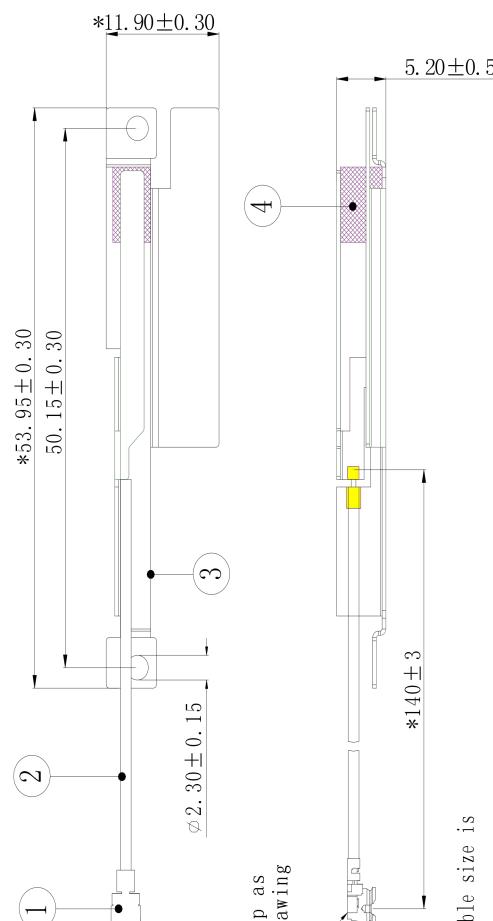
Document making / revising / abolishing resume

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3、Product drawing

	REV.	Date	Revise
	A0	23-5-23	
	Av-0608	23-6-8	Update dimensions



The terminal cup as shown on the drawing

The technical requirements

1: the antenna welding part is firm, and the cable size is accurate, (Cable maintenance force $\geq 1\text{Kgf}$).

2: "*" important dimensions;

3: Packaging and quality standards refer to BAT packaging specifications quality standards respectively;

4: Products must meet the requirements of ROHS 2.0;

5: The cup of terminal orientation requirement .

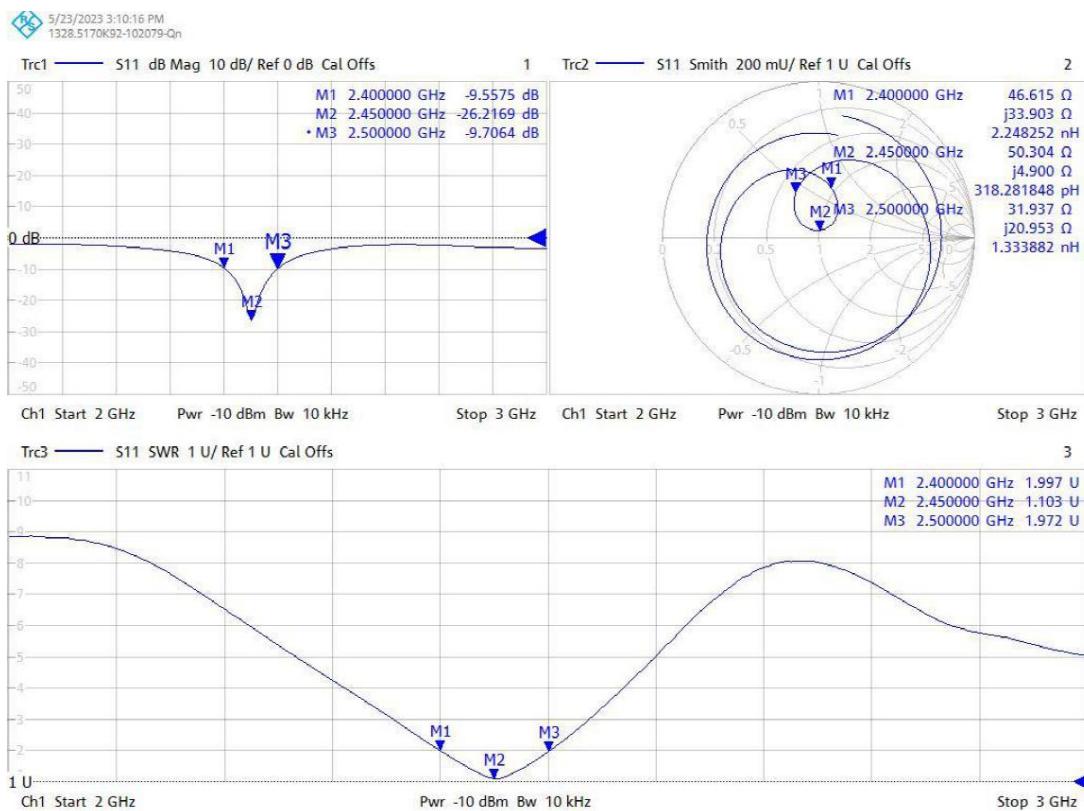
Number	Part name	Note	Designer Duqinling			Name
			Verify	Approval	Weight	
①	Generation 1 Coaxial line RF terminal		1 X	± 0.05	1 : 1	internal antenna -2, 4G-Black-1.13 wire-terminal-1-1410mm-shape1-1- 53.95×11.9×5.2mm
②	Strap		1 ~9.99	± 0.10	mm	Project No. Y230410307
③	EVA foam		10 ~19.99	± 0.15		Part No. 74220181
④			20 ~39.99	± 0.20		
			40 ~	± 0.30		
					1 Page 1 of 1	ZHONGSHAN B&T TECHNOLOGY HOLDINGS Co., Ltd

4、Properties & parameter

Electrical Parameter	
Freq Range	2400~2500MHz
Characteristic Impedance	50 Ω
Used in machines VSWR	<4. 5
The Max input power	<10w
Polarization mode	Polar linearization
Radiation mode	Omni directional
Connector style	Generation 1 RF terminal
Antenna style	shrapne
Mechanics Properties	
Length	140±3mm
Maintain the force	≥1kgf
Coaxial cable	Black 1.13 wire
Salt spray test	24H
Environment parameter	
Operating Temp	-30°C~65°C

5、Electrical test report (Fitting machine test)

S11 Parameter



Electrical Performance Test Parameter Table

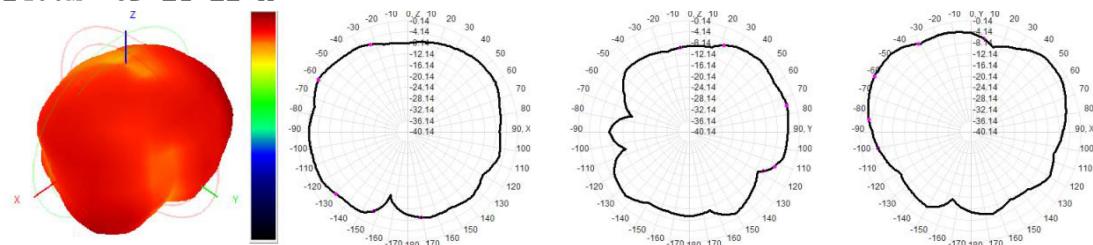
Freq/GHz	2.4	2.45	2.5
VSWR	1.99	1.10	1.97

Gain & efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400.0	0.30	30.72
2410.0	0.36	31.98
2420.0	0.72	31.63
2430.0	0.95	34.18
2440.0	1.13	36.47
2450.0	1.21	37.63
2460.0	1.33	38.68
2470.0	1.39	39.10
2480.0	1.37	38.98
2490.0	1.18	38.33
2500.0	0.82	36.46

Direction diagram

2400M 3D-E1-E2-H



PACKING CRITERION

P/N: 74220181

Spec.: internal antenna -2.4G-Black-1.13 wire-terminal-L=140mm-shrapnel-53.95×11.9×5.2mm

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

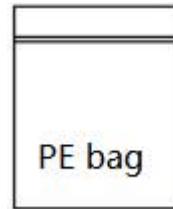
二、 Packing requirement

Operating description:

1. inner packing:

20 PCS/ small bag,

100 PCS/ big bag

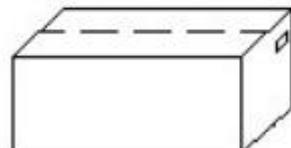


2. outer packing:

Quantity according to actual packing PCS/carton



Carton



Notice: