

Project :Y230410307

Date.2023.06.01

REV: A0

Antenna SPEC

Customer name Dnake (Xiamen) Intelligent Technology Co., Ltd.

Customer project: 170SD-C26

Customer P/N: _____

B&T P/N: 79300014

Spec.: internal antenna -2.4 / 5G-shrapnel-L13.55×W3.9×H5.5
×T0.3mm

Sealed by corporation:

compilation	verify	approval
Huangfeihui	Lvjie	Liulihua

Sealed by customer:

check	verify	approval

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

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
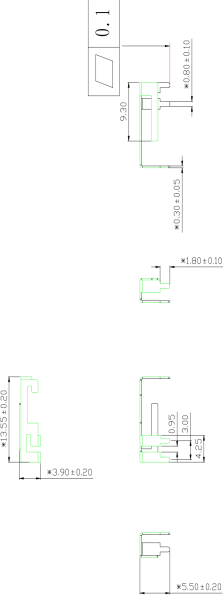
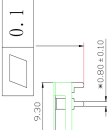

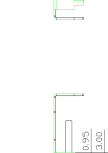




Document making / revising / abolishing resume

Edition	Date	Formulate/Revised content	Formulate	approval
A0	2023.05.31	First formulation	Huangfeihui	Lvjie/Liulihua

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3、Product drawing

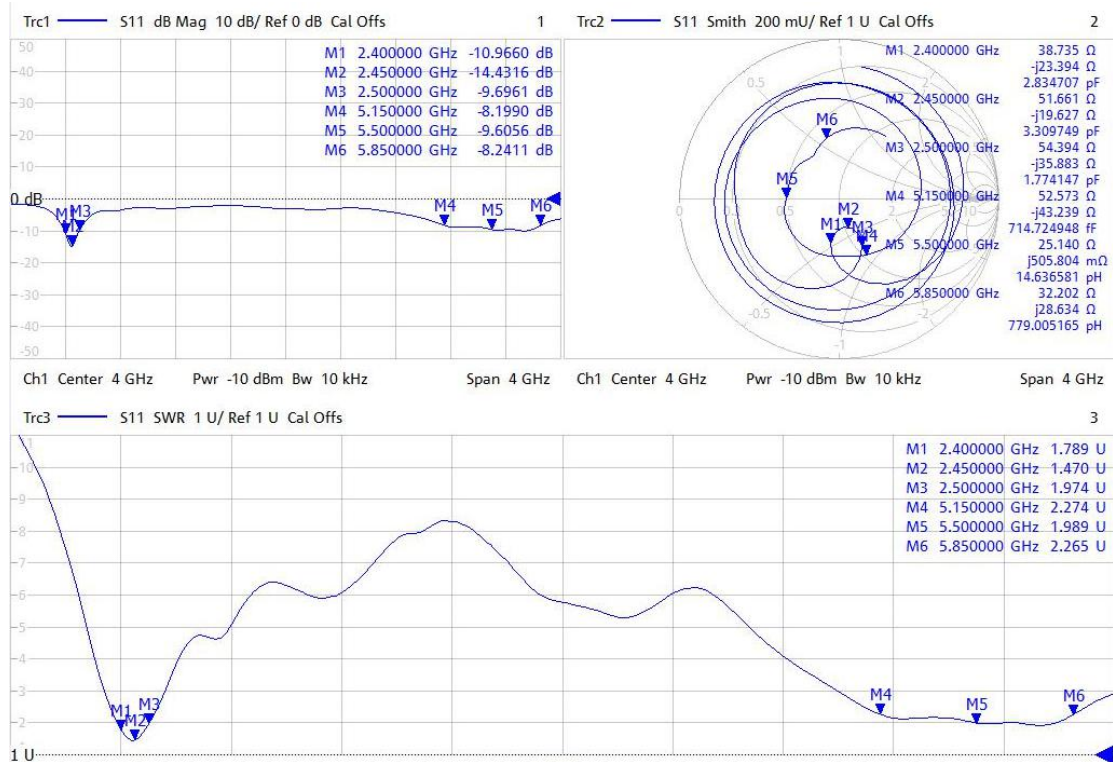
REV. A0	Date 23-05-22	Revise									
A	B	C	D	 <p>3D</p>							
E	Designer internal antenna -2.4 / 56-shrapnel-L13.55×W3.9×H5.5×T0.3mm	Verify Duoqingling	Approval		Project No. Y230302273	Part No. 79300014	Weight Quantity Scale Unit	1 > X ±0.05 1~9.99 ±0.10 10~19.99 ±0.15 20~39.99 ±0.20 40~ ±0.30	Page 1 of 1	ZHONGSHAN B&T TECHNOLOGY HOLDINGS Co., Ltd	An image file
F	<p>Technical requirements:</p> <ol style="list-style-type: none"> 1. Technical requirements: 2. Material: SUS 304(3/4H, >370HV), 0.3mm thick; 3. Parts surface plating (nickel: 200 to 800μm): 24 hours of salt spray test. 4. Important dimensions shall be marked with "*" (mould making shall be controlled and mould acceptance shall be tested). 5. No burr, scratches, oil stains, residues or other undesirable phenomena on the surface of the product. 6. The maximum burr shall not exceed 0.05mm and the knife mark shall not exceed 0.10mm. 7. The printing depth shall not exceed 0.05mm and the height shall be 1.0mm to 2.0mm. 8. In the process of packaging and transportation, the products shall not be damaged, scratched or damaged. 9. Packaging and quality standards refer to boontong packaging specifications and quality standards respectively. 10. (blister tray) 11. The product must meet the requirements of R0182.0. 										

4、 Properties ¶meter

Electrical Parameter	
Freq Range	2400~2500/5150~5850MHz
Characteristic Impedance	50 Ω
Used in machines VSWR	≤3U
The Max input power	<10w
Polarization mode	Polar linearization
Radiation mode	Omni directional
Antenna style	shrapne
Mechanics Properties	
Shrapne Length	13.55±0.2mm
Salt spray test	24H
Environment parameter	
Operating Temp	-30℃~65℃

5、Electrical test report (Fitting machine test)

S11 Parameter



Electrical Performance Test Parameter Table

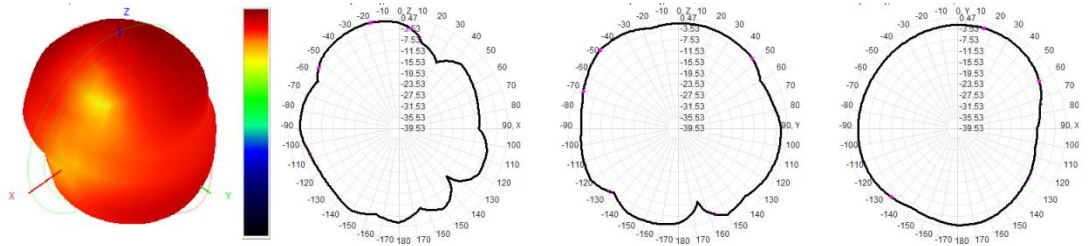
Freq/GHz	2.4	2.45	2.5	5.15	5.5	5.85
VSWR	1.78	1.47	1.97	2.27	1.98	2.26

Gain & efficiency

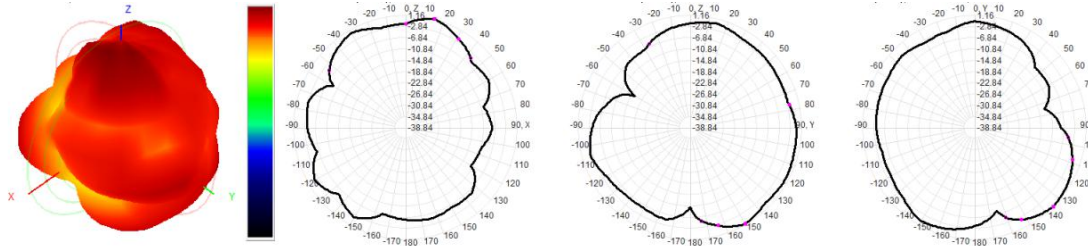
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400.0	2.09	40.90
2410.0	1.99	41.46
2420.0	1.64	40.72
2430.0	1.36	40.63
2440.0	1.23	40.62
2450.0	1.10	39.84
2460.0	1.02	39.67
2470.0	0.98	39.59
2480.0	0.86	39.61
2490.0	0.88	37.94
2500.0	0.87	38.34
5150.0	2.50	35.32
5250.0	2.62	35.50
5350.0	2.66	35.15
5450.0	1.14	34.31
5550.0	1.69	34.68
5650.0	1.63	34.82
5750.0	1.52	35.53
5850.0	2.00	35.75

Direction diagram

2.45G E1-E2-H



5.45G E1-E2-H



6、Table of Materials and Hazardous Substances

Items are	specifications	The material	RoHS The inspection results (PPM)						ICP Test number	Detection time
			Cd	Pb	Hg	Cr+6	PBB	PBDE		
1	shrapnel	SUS304	ND	ND	ND	ND	/	/	CANEC2302568106	2023/3/2
		Nickel plating	ND	69	ND	ND	ND	ND	CANEC2300336913	2023/1/12

PACKING CRITERION

P/N: 79300014

Spec.: internal antenna -2.4 / 5G-shrapnel-L13.55×W3.9×H5.5×T0.3mm

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

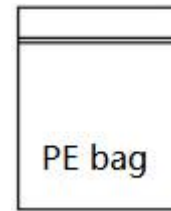
buyer	*****		
vender	Sichuan B&T Communication Technology Co., Ltd.		
Purchase No	*****		
Material No.	*****		
Part name	*****	QC	**
Q'ty/Unit	*****	Manufacture date	**** ** *
Trace code	*****	Running water number	*****

二、 Packing requirement

Operating description:

1. inner packing:

Quantity according to actual packing PCS/ tray,

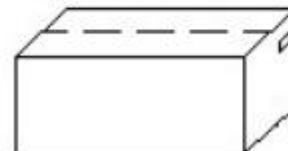


2. outer packing:

Quantity according to actual packing PCS/carton



Carton



Notice:

8、 Installation diagram of complete antenna

