

Project: Y2601141611

Date.: 2026.01.28

Ver.: A0

Antenna SPEC

Customer name: Lanzu Electronic Technology.

Customer project: SB-01

Customer P/N: _____

B&T P/N: 79220075

Spec.: Built-in Antenna - 2.4G - Spring Clip - L17.4 × W13.4 ×
H0.4mm

Sealed by corporation:

compilation	verify	approval
Xuzhangjin	Huchong	Liulihua

Sealed by customer:

check	verify	approval

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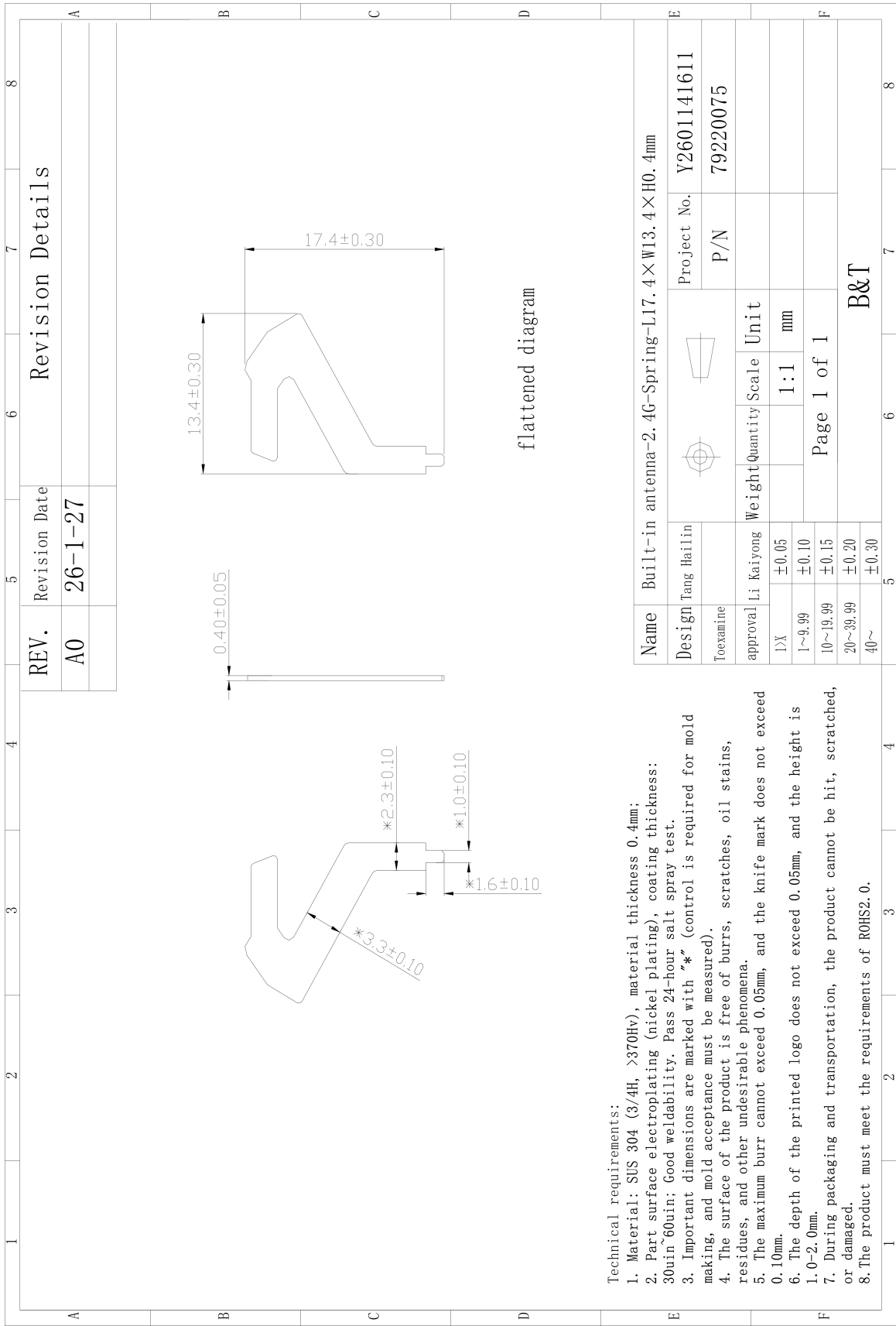
Document making / revising / abolishing resume

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3、Product drawing

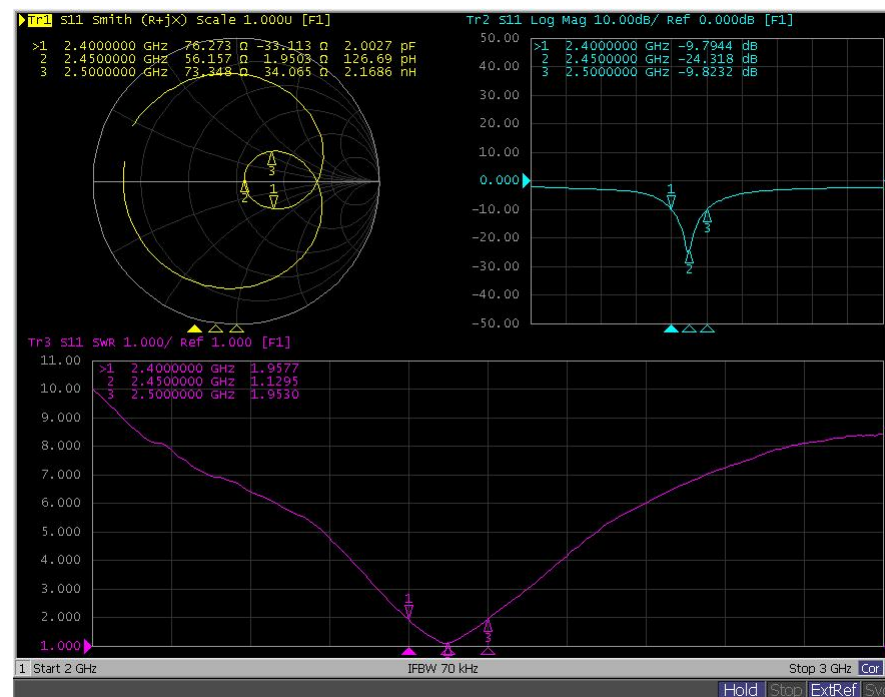


4、Properties ¶meter

Electrical parameter	
Freq Range	2400~2500MHz
Characteristic Impedance	50 Ω
VSWR	Reference project sample sealing
The Max input power	<10w
Polarization mode	Linear polarization
Radiation direction	omnidirectional
Mechanical parameter	
Length	17.4 $\pm$ 0.30
Salt spray test	24H
Environment parameter	
Operating Temp	-30 $^{\circ}$ C~65 $^{\circ}$ C

5、Electrical test report (Whole machine testing)

Antenna S11 parameter diagram



Standing wave ratio data

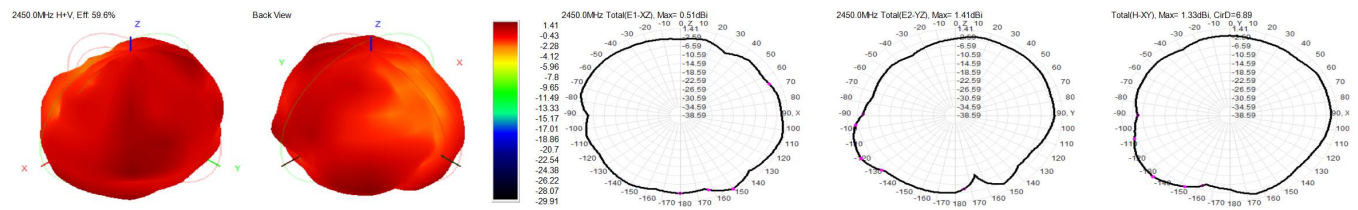
Freq/MHz	2400MHz	2450MHz	2500MHz
VSWR	1.95	1.12	1.95

Antenna darkroom test data

Frequency (MHz)		
	Gain (dBi)	Efficiency (%)
2400	0.97	54.78
2410	0.74	55.12
2420	1.33	56.78
2430	1.70	59.05
2440	1.40	61.95
2450	1.41	59.65
2460	1.15	57.86
2470	1.62	60.19
2480	2.31	60.31
2490	2.14	61.11
2500	1.46	61.72

Antenna direction diagram

24500MHz



6、List of Material Composition and Hazardous Substances

Spec ification	Texture of material	ROHS Test Results (PPM)	ICP test number						Test time	Specification
			Cd	Pb	Hg	Cr+6	PBB	PBDE		
1	shell fragment	SUS304	ND	ND	ND	ND	ND	ND	SHAPH26002286003	2026/1/30
		nickelage	ND	29	ND	ND	ND	ND	A2260003268101001R1	2026/1/25

PACKING CRITERION

P/N: 74220815

Spec: Built-in Antenna - 2.4G - Spring Clip - L17.4 × W13.4 × H0.4mm

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.)

内外标签 长10cm 宽6cm 左右

The inner and outer labels are about 10cm long and 6cm wide

需方 buyer	*****		
供方 vender	四川博安通通信技术有限公司 Sichuan B&T Technology Co., Ltd.		
物料编码 Purchase No	*****		
生产单号 Material No.	*****		
品名规格 Name specification	*****	检验员 QC	**
数量/单位 Q' ty/Unit	*****	日期 Manufacture date	****.***
追溯码 Trace code	*****	流水号 Serial number	**

二、Packing requirement

Operating description:

1. inner packing:

Product: Quantity according to actual packaging / PCS / tray (pallet packaging)

2. outer packing:

Quantity according to actual packing/carton

Notice:

- Whether to add partitions, pearl cotton;
- Labeling, such as ROHS;

8、Antenna installation position Diagram



9、Reliability test requirements

Serial Number	Reliability Test Name	Experimental conditions	Judgment criteria
1	Constant temperature and humidity test	High temperature: 70 °C, humidity: 80% RH for 24 hours; Low temperature -40 °C for 24 hours; continuous for 48 hours in total;	Appearance requirements before and after the experiment: The metal surface coating should be free of peeling, cracks, wrinkles, separation, etc. Non metallic parts should not discolor, crack, deform, or peel off; The electrical performance test meets the standard requirements;
2	High and low temperature thermal shock test	70 °C for 2 hours, -40 °C for 2 hours, 6 cycles, for a total of 24 hours;	Appearance requirements before and after the experiment: The metal surface coating should be free of peeling, cracks, wrinkles, separation, etc. Non metallic parts should not discolor, crack, deform, or peel off; The electrical performance test meets the standard requirements;

3	Salt spray test	Prepare a (5 ± 1)% NaCl solution to ensure that the pH value of the salt solution is neutral (6.5-7.2); The pressure barrel temperature is 47 ± 1 °C, the spray pressure is kept at 1.00 ± 0.1kgf/cm², and the spray volume is 1.0~2.0ml/80cm²/h; The experiment lasted for 24 hours;	The exposed area of the product surface must not have oxidation or rust; Oxidation/rusting area after salt spray test in other areas<1.0%
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