



## APPROVAL SHEET

CUSTOMER NAME	Yinluo	
CUSTOMER P/N	04.13.00002	
PART NAME	2.4G/5.8G 3dBi Rubber antenna black	
P/ N	YJC-60302-B05	
APPROVAL REV.	A0	
DELIVERY DATE	February 28, 2023	
PREPARED BY	Yin Feijie	
CHECKED BY	Fang Wenfeng	
APPROVED BY		
Customer Approved		
Approved By	Checked By	Prepared By

## Contact Information (factory) :

Company address: building A.C, guangming valley, hongyu guangming valley, no. 11, jiangyou magang, shiwei community, matantian office, guangming district, shenzhen

Hangzhou Office: 212, Building B, Dahua Jianghong International Innovation Park, No. 369, Internet of Things Street, Binjiang District, Hangzhou

Phone + 86-755-27810060/23192199; Fax: + 86-0755-27810057

Company website: <http://www.szsyjc.com> E-mail: [yjc@szsyjc.com](mailto:yjc@szsyjc.com)



## directory

- 1、 cover.....
- 2、 directory.....
- 3、 resumer.....
- 4、 Antenna technical parameters.....
- 5、 Antenna diagram.....
- 6、 Antenna performance test diagram.....
- 7、 ROHS Material control report.....



# Antenna plan

RoHS

Rev: A0  
Date: 2023-02-28  
Description: New edition  
Name: Yin Feijie

Requirement:

1. The finished product must be pass test 100% OK

2. The finished product shall be subject to 100% full inspection OK.

3. The finished product adopts environmental protection process.

4. Meet ROHS requirements

5. No tolerance shall be subject to general tolerances

6. The \* marks the Key dimensions.

Gain

2400-2500/5150-5850MHz

VSWR

<1.92

Polarization

Linear, Vertical

Max power rating

50W

Impedance

50Ω

Control size

General tolerance

Dimension

±0.1

±0.05

±0.03

±0.02

±0.01

Main dimension

General tolerance

Dimension

±0.1

±0.05

±0.03

±0.02

±0.01

Part name

Product name

Unit

Scale

Rev

Size

2.4G/5.8G SSB black antenna

(Joint type) female P with 178 pole length 80MM

YJC-60302-B05

YJC-60302-B05

2023-02-28

SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO.,LTD

64

85±2

10

90°

黑色胶套

母针

Material mark card must be affixed to outer box with ROHS tags each 1PCS

1

2

3

4

5

6

由 Autodesk 教育版产品制作

由 Autodesk 教育版产品制作

第 3 页 共 6 页



## Antenna technical parameters and environmental testing:

Electrical parameters of electrical apparatus			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400~2500/5725-5850 MHZ	Antenna Color	BLACK
VSWR	<1.92	Input connector	SMA(female pin)
Input Impedance	50 $\Omega$	Antenna length	85 mm
Direction	All	Working Temperature	-20℃~+70℃
Gain	3.0 dBi	Working Humidity	20~80%

## Environmental performance test:

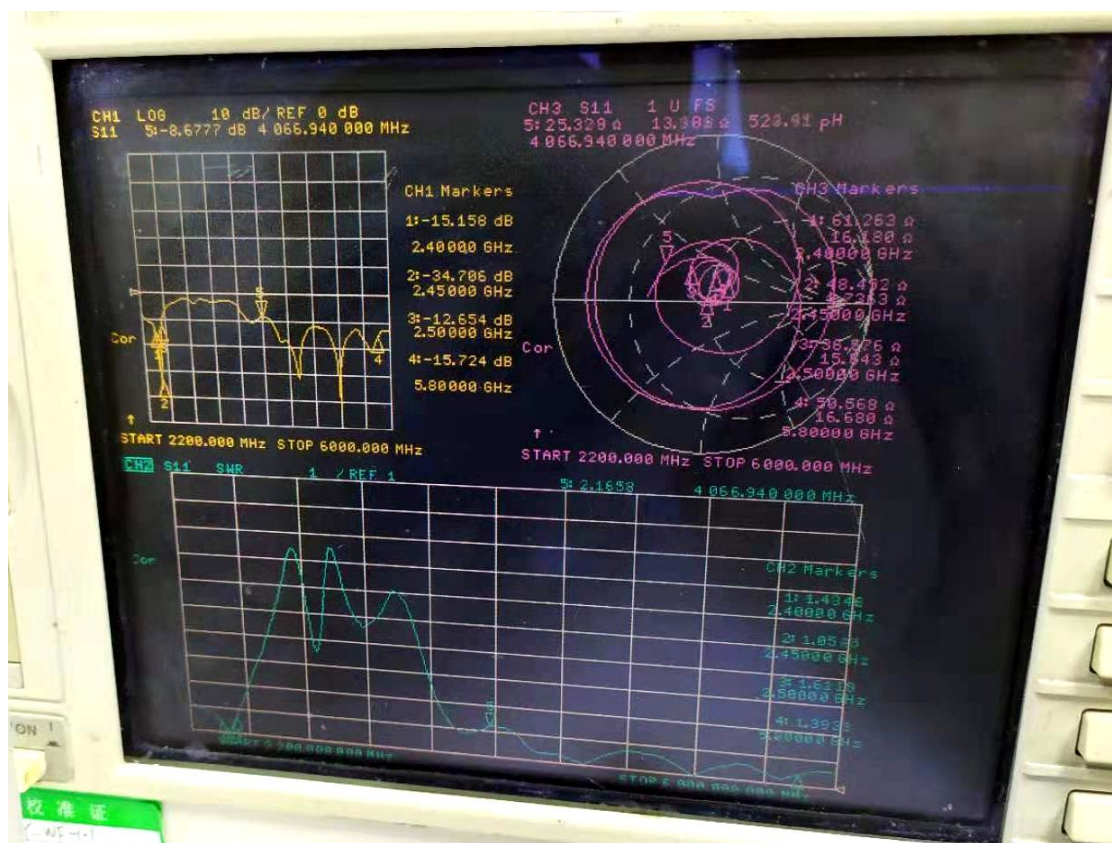
project	test condition	standard
Storage Conditions	In the absence of specified test temperature, humidity, air pressure is as follows: 1. Temperature is - 20 °C ~ + 70 °C 2. Relative humidity of 45% to 45% 3. Air pressure is 86 kpa to 106 kpa	Electrical and mechanical properties is normal
high and low temperature test	Between 70 °C and -20 °C for 5 loops, then 1-2 h under normal conditions, check the appearance quality.	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
Constant damp and hot resistance test	95 + / - 3% relative humidity, temperature test: 40 °C. Lasts 2 h after, try to take out the determination of electrical properties, within 5 min after try 1-2 h under article normal thing, check the appearance quality	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
vibration test	10-55 hz, vibration frequency range of displacement amplitude: 0.35 MM, acceleration amplitude: 50.0 M/S, sweep cycles: 30 times	Electrical and mechanical properties is normal
fall down test	1 m high altitude in accordance with the perpendicular axis free drop 3 times	Electrical and mechanical properties is normal



## Antenna diagram:



## Antenna performance test diagram:





## Material RoHS conformity declaration form

This is to certify that the delivery to your company's components, raw materials, auxiliary materials used and the additives in the production engineering are accord with RoHS environmental requirements of the restrictions on the use of hazardous substances directive (RoHS directive 2011/65 / EU)

About components used raw materials, packaging materials, auxiliary materials and additives used in the production process such as composition of the report is as follows:

Component /Part Name	Material Composition	ICP report #	Test Org.	Test Date	Content of harmful substances (ppm)						PASS?
					Cd	Pb	Hg	Cr <sup>6+</sup>	PBB	PBDE	PASS
Wire rod	Teflon coaxial cable	SZXEC2202766604	SGS	22/08/18	ND	ND	ND	ND	ND	ND	PASS
SMA	Rubber core	SHAEC22000767001	SGS	22/08/23	ND	ND	ND	ND	ND	ND	PASS
	Zinc alloy	SZXML2200496902	SGS	22/03/09	ND	19	ND	ND	ND	ND	PASS
	Nickel coating	SZXML2201289205	SGS	22/05/09	ND	19	ND	ND	ND	ND	PASS
Plastic parts	ABS	238539448h001	SGS	22/03/07	ND	ND	ND	ND	ND	ND	PASS
	TPE	TSNEC2201960703	SGS	22/07/22	ND	ND	ND	ND	ND	ND	PASS
Heatshrinka ble sleeve	Heatshrinka ble sleeve	CANEC2211474412	SGS	22/06/08	ND	ND	ND	ND	ND	ND	PASS