



Shenzhen Yuhong Industrial Co., Ltd

Part specification

Customer name:	Dolphin Electronics (DongGuan) Co., Ltd.
Product Model:	TA201
Risuntek P/N:	Y2000931
Version:	A
Prodcut Name:	LDS antenna
Description:	Shabik Stand +LDs
date:	2023/4/17

(Customer Signatures)

(PM)	(ME)	(QE)

(Inner Signatures)

(QE)	(ME)	(RF)

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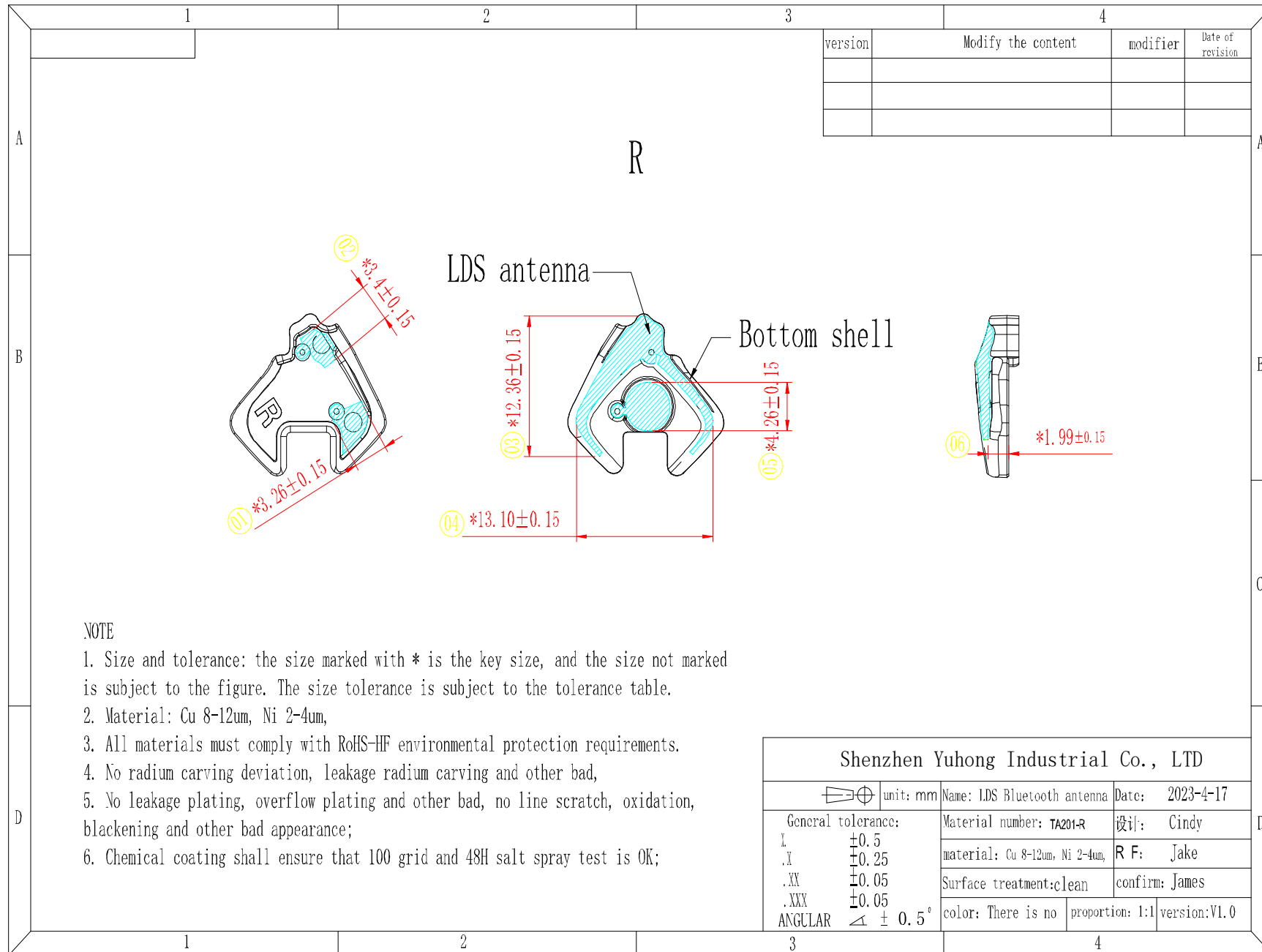
catalogue

- 一、 resume
- 二、 Product drawing
- 三、 Specification of electrical
and mechanical properties

一、 Prepare/revise the resume

version	Revision page	Change time	Change of person	Reason and content of change	remarks
A0	—	2023/4/17	Cindy	First version of the antenna form	
A1					
A2					
A3					
A4					
A5					
A6					

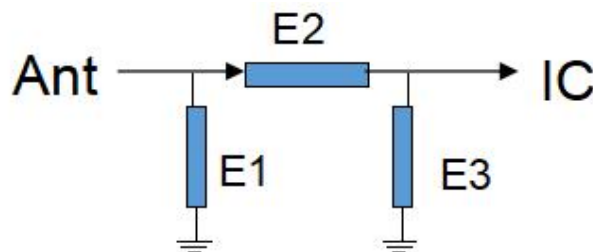
二、Product drawing



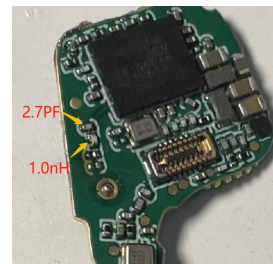
三、 Specification of electrical and mechanical properties

1、 Match the circuit diagram

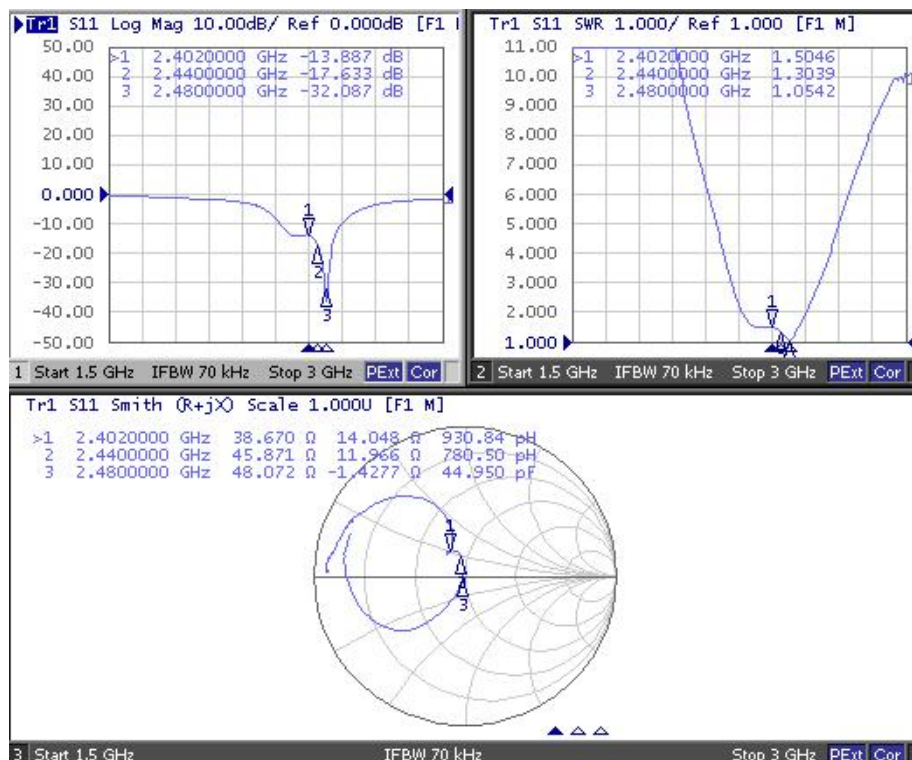
Antenna matching circuit description



Element	Value
E1	NC
E2	1.0nH
E3	2.7PF



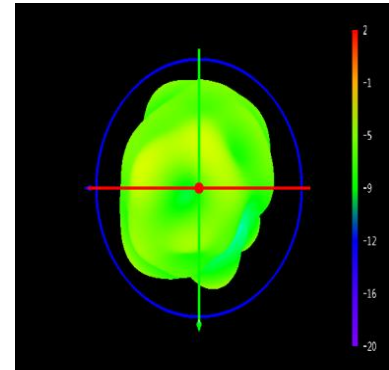
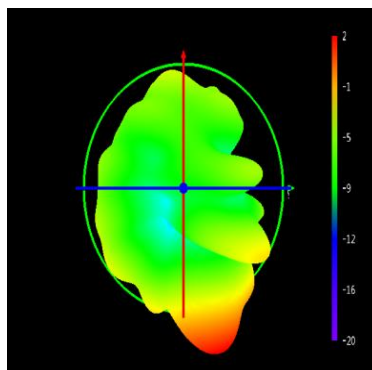
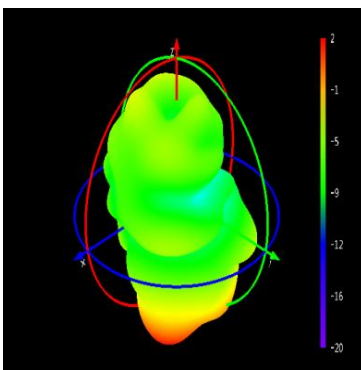
2、 S11 parameter



3、Passive efficiency

Frequency point MHz	Free space		Head die	
	gain(dBi)	efficiency (dB)	gain(dBi)	efficien cy(dB)
2400	0.36	-5.61	-2.36	-10.26
2410	0.39	-5.71	-2.74	-10.37
2420	0.35	-5.86	-2.56	-10.59
2430	0.27	-6.03	-2.25	-10.11
2440	0.14	-6.2	-2.84	-9.56
2450	0.36	-6.29	-2.36	-9.37
2460	0.51	-6.34	-2.49	-9.14
2470	0.49	-6.37	-2.74	-9.52
2480	0.14	-6.39	-2.16	-10.47
2490	0.38	-6.43	-2.42	-10.09
2500	0.17	-6.52	-2.96	-10.24

4、Gain graph



5、 Active OTA data

R	channel	TRP (dbm)	TRP (dBm)
freedom	0	0.7	-87.5
	39	0.4	-86.4
	78	0.6	-86.0
R	channel	TRP (dbm)	TRP (dBm)
Head die	0	-5.8	-81.5
	39	-6.0	-81.3
	78	-6.1	-81.8