

Part acknowledgement Part Approval Sheet

Customer name:	HANK ELECTRONICS CO., LTD HANKAI ELECTRONICS., LTD
Product Model:	B06
Risuntek P/N:	108.01.00450
Version:	A
Prodcut Name:	B06 antenna-R
Description:	A pair of semi electrolytic copper materials, adhesive backed3M9471, 2.4-2.5GHZ R
Date:	2022/9/16

(Customer Signatures)

(PM)	(ME)	(QE)

(Inner Signatures)

(QE)	(ME)	(RF)
Aston	Cindy	James

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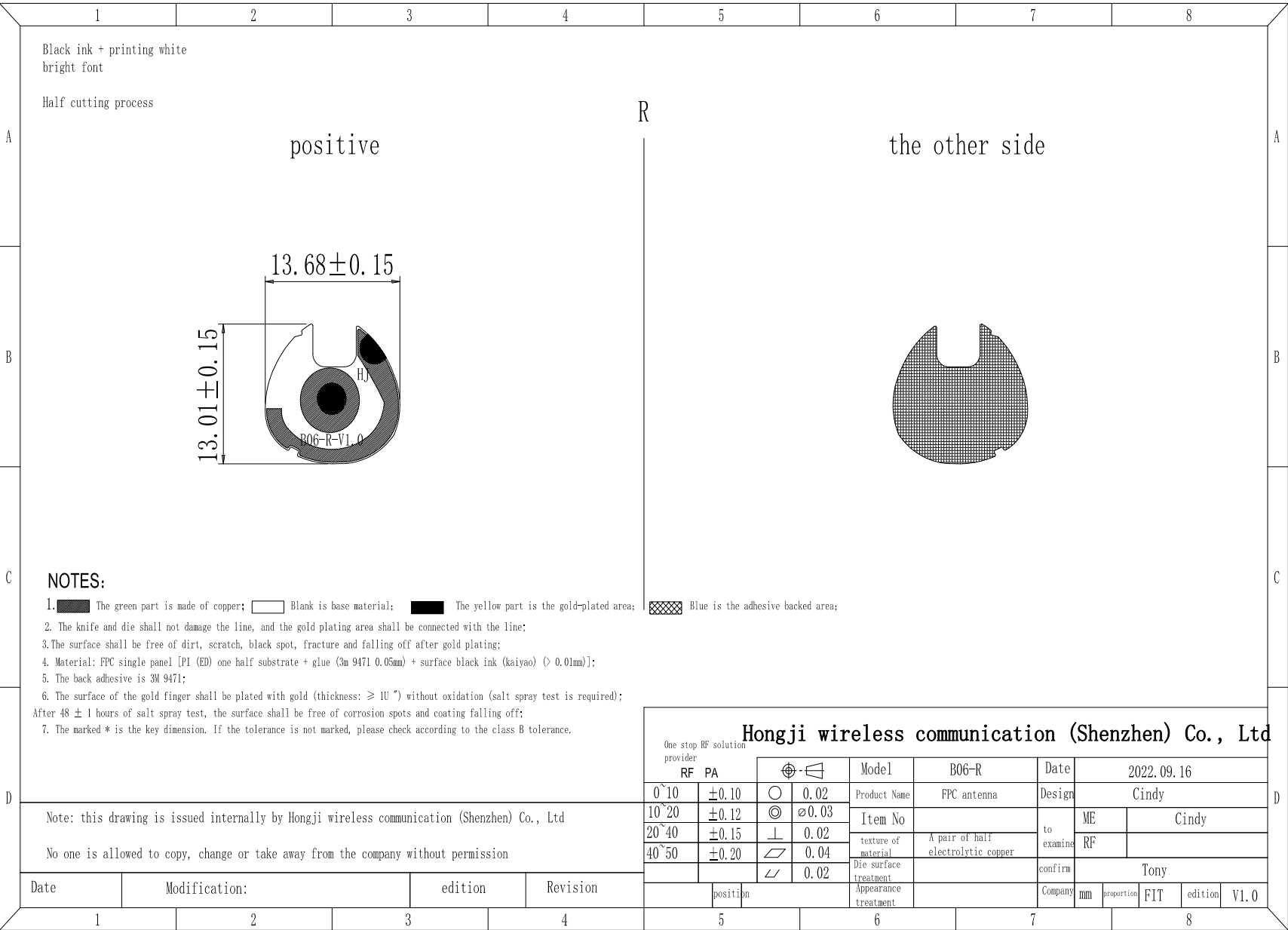
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一、Preparation / revision of change record

editi on	Revision page	Change time:	Changed by:	Reason and content of change	remarks
A0	—	2022/9/16	Cindy	First issue	
A1					
A2					
A3					
A4					
A5					
A6					

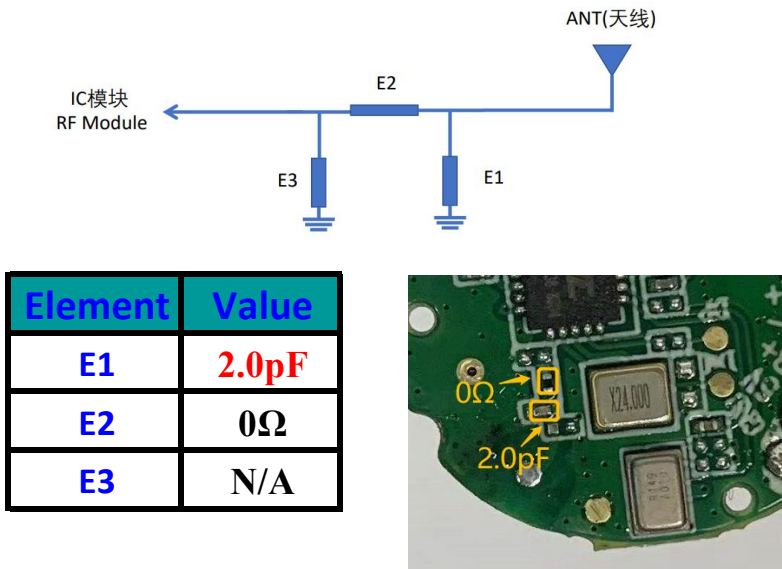
二、Product drawings



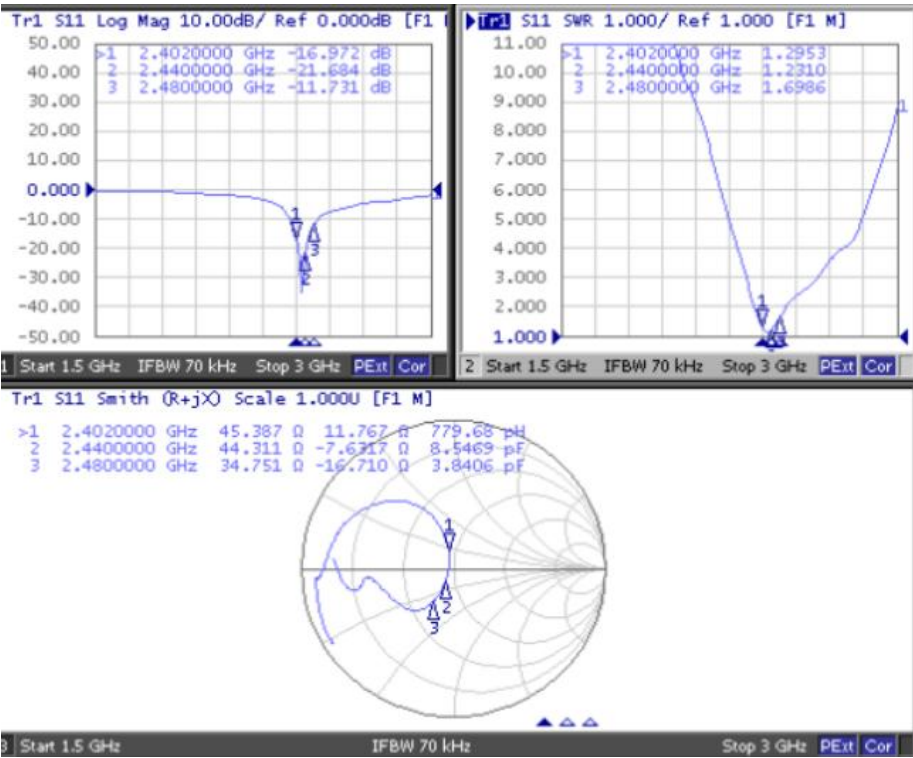
Description of electrical and mechanical properties

1、Matching circuit diagram

天线匹配电路说明Antenna circuit matching description

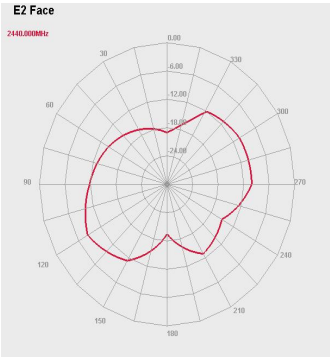
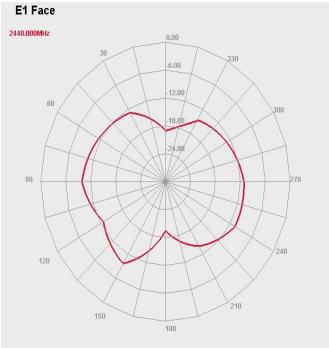
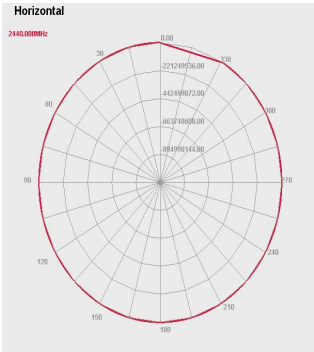


2、S11 parameters



3、Passive efficiency

Freq[MHz]	Efficiency(%)	Gain(dBi)
	free space	free space
2400	17.96	-3.95
2410	18.52	-3.74
2420	18.74	-3.59
2430	19.38	-3.63
2440	20.45	-3.57
2450	21.52	-3.78
2460	22.39	-3
2470	21.17	-3.13
2480	20.10	-3.74
2490	19.53	-3.91
2500	18.42	-3.87



4、Active OTA data

R	信道	TRP (dBm)	TIS (dBm)
free space	0	-0.33	-80.50
	39	-1.63	-80.42
	78	-1.92	-79.32

四、Full size measurement report

[illegible]

Tabulation: Cindy	to examine:James	Date:2022/9/16
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Tabulation: Cindy	to examine:James	Date:2022/9/16
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五、CPK Report

Hongji wireless communication (Shenzhen) Co., Ltd

Project name	B06-R				Customer	HANK ELECTRONICS CO., LTD HANKAI ELECTRONICS.,LTD			
Description	antenna				Inspected	Cindy			
Material	One half electrolytic copper				Inches/MM	mm			
Revision	A				Date	2022/09/16			
Dim. Designator	13.68	13.01							
Upper Limit	13.83	13.16							
Lower Limit	13.53	12.86							
1	13.71	13.08							
2	13.75	13.03							
3	13.75	13.09							
4	13.71	13.08							
5	13.69	13.03							
6	13.75	13.09							
7	13.77	13.02							
8	13.71	13.09							
9	13.69	13.06							
10	13.70	13.06							
11	13.74	13.08							
12	13.77	13.03							
13	13.73	13.08							
14	13.72	13.04							
15	13.74	13.04							
16	13.74	13.07							
17	13.75	13.05							
18	13.74	13.04							
19	13.75	13.02							
20	13.70	13.05							
21	13.69	13.06							
22	13.76	13.05							
23	13.71	13.02							
24	13.74	13.04							
25	13.73	13.09							
26	13.70	13.06							
27	13.69	13.05							
28	13.72	13.06							
29	13.74	13.06							
30	13.73	13.09							
31	13.72	13.04							
32	13.69	13.06							
MAX.	13.77	13.09							
MIN.	13.69	13.02							
AVERAGE	13.73	13.06							
STDEV	0.02	0.02							
CP	2.03	2.25							
Cpk	1.41	1.55							
TOOLING	calipers	calipers							

Prepared by : Aston Checked by : cindy Approved by : James

六、Expanded list of environmental management substance parts

The Parts List of Enviromental Management Substances

Product Information		Supplier Contact Information		Report type		Confirmation results		remarks
Part name	FPC antenna	Compony Name	Hongji wireless communication (Shenzhen) Co., Ltd	☒	RoHS 2.0	☐		Metal provides 4 RoHS items and other 10 items
Risuntek P/N	108.01.00450	Contact Name/Title	Aston	☒	HF	☐		CL & br for non-metallic parts
Supplier's P/N	B06-R	Date:YY/MM/DD	2022/9/16	☒	CP65	/		Parts in contact with skin
Manufacurering site	Dongguan	E-mail address		☒	REACH	/		According to the latest SVHC list
Total weight (g)		Tel. No.	13714345069	☒	other ()	/		Such as be, pops, PFOS / PFOA, etc
				☒	MSDS	☐		Article 17, seal, validity

No.	Customer item number	Part name	Homogeneous material	Test Report No.	Test Date (YY/MM/DD)	Test result (ppm)													Test report	MSDS
						Pb	Cd	Hg	Cr6 +	PBB	PBDE	Cl	Br	DEHP	DBP	BBP	DIBP			
1	108.01.00450	base material	Cai lungedi	SHAEC2202460504	2022. 2. 21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2		printing ink	Youli black oil	ETR21805816	2021/9/6	ND	ND	ND	ND	ND	ND	434	ND	ND	ND	ND	ND			
3		Gummed paper	3M9471	SHAEC2118730101	2021/9/4	ND	ND	ND	ND	ND	ND	162	ND	ND	ND	ND	ND			
4		gold-plated	Get rich	A2210513116101001E / A2210513116102001E	2021/12/10	ND	ND	ND	ND	ND	ND	124	ND	ND	ND	ND	ND			
5		White ink	Chuan Yu	ETR21A04957M01	2021/10/29	ND	ND	ND	ND	ND	ND	625	ND	ND	ND	ND	ND			