

Part acknowledgement Part Approval Sheet

Customer name:	HANK ELECTRONICS CO., LTD HANKAI ELECTRONICS., LTD
Product Model:	B06-L
Risuntek P/N:	108.01.00449
Version:	A
Prodcut Name:	B06 antenna-L
Description:	A pair of semi electrolytic copper materials, adhesive backed3M9471, 2.4-2.5GHZ L
Date:	2022/9/16

(Customer Signatures)

(PM)	(ME)	(QE)

(Inner Signatures)

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

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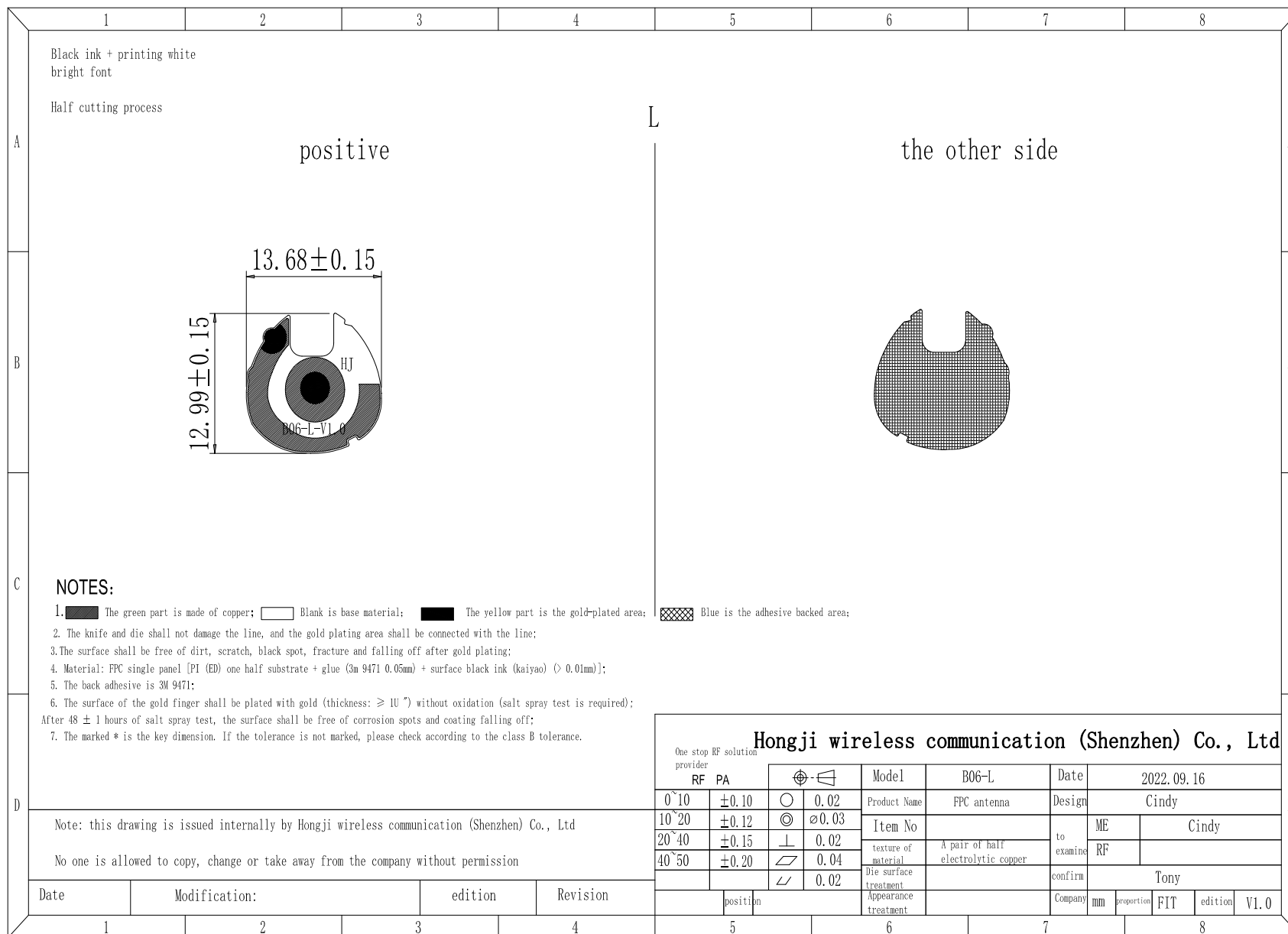
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一、Preparation / revision of change record

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

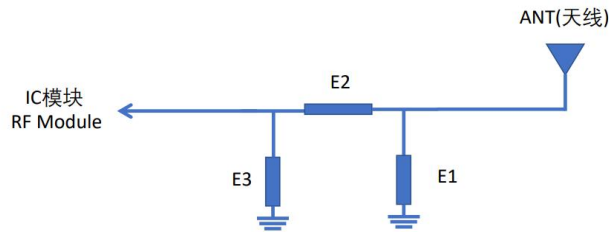


negative

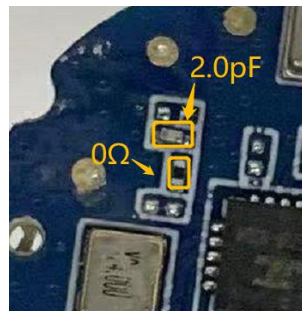
Description of electrical and mechanical properties

1、Matching circuit diagram

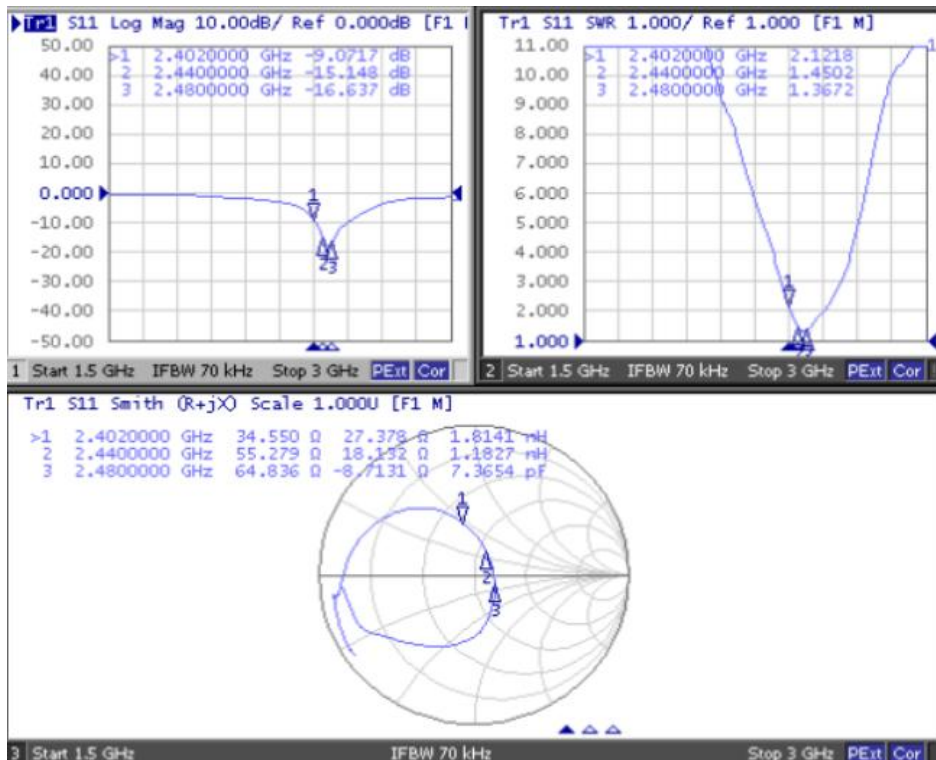
天线匹配电路说明Antenna circuit matching description



Element	Value
E1	2.0pF
E2	0Ω
E3	N/A

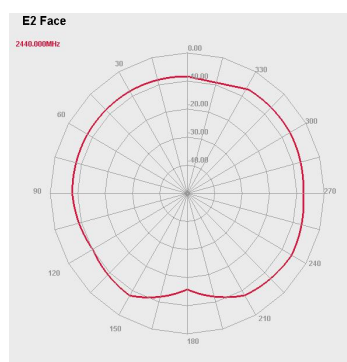
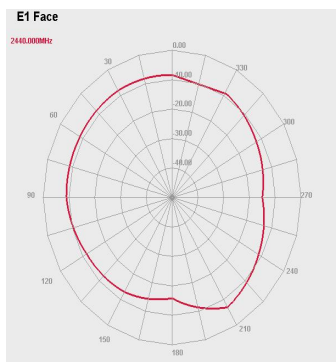
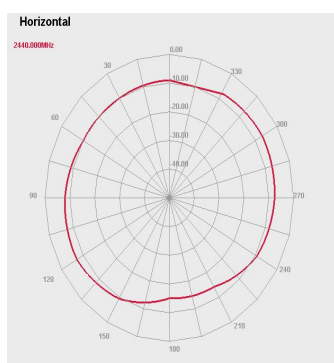


2、S11 parameters



3、Passive efficiency

Freq[MHz]	Efficiency(%)	Gain(dBi)
	free space	free space
2400	18.19	-3.95
2410	19.86	-3.72
2420	20.59	-3.59
2430	22.03	-3.57
2440	21.08	-3.78
2450	21.67	-3.42
2460	22.46	-3
2470	20.92	-3.22
2480	20.79	-3.36
2490	19.28	-3.81
2500	19.71	-3.89



4、Active OTA data

L	信道	TRP (dBm)	TIS (dBm)
自由空间	0	-0.80	-78.66
	39	-0.91	-79.04
	78	-0.44	-79.27

五、CPK Report

Hongji wireless communication (Shenzhen) Co., Ltd

Project name	B06-L			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	12.99							
Upper Limit	13.83	13.14							
Lower Limit	13.53	12.84							
1	13.73	13.03							
2	13.71	13.03							
3	13.77	12.99							
4	13.71	13.03							
5	13.75	13.04							
6	13.73	13.00							
7	13.76	13.04							
8	13.75	13.04							
9	13.73	13.00							
10	13.73	13.07							
11	13.75	13.08							
12	13.72	13.05							
13	13.71	13.05							
14	13.76	13.00							
15	13.70	13.00							
16	13.74	13.01							
17	13.69	13.01							
18	13.75	13.04							
19	13.75	13.02							
20	13.68	12.99							
21	13.75	13.01							
22	13.73	13.00							
23	13.69	13.03							
24	13.73	13.00							
25	13.68	13.00							
26	13.75	13.00							
27	13.74	13.01							
28	13.75	13.00							
29	13.71	13.00							
30	13.75	13.05							
31	13.70	13.08							
32	13.72	13.07							
MAX.	13.77	13.08							
MIN.	13.68	12.99							
AVERAGE	13.73	13.02							
STDEV	0.02	0.03							
CP	2.01	1.94							
Cpk	1.36	1.50							
TOOLING	calipers	calipers							

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

六、Expanded list of environmental management substance parts

The Parts List of Environmental Management Substances

Product Information		Supplier Contact Information		Report type		Confirmation results		remarks
Part name	FPC antenna	Compony Name	Hongji wireless communication (Shenzhen) Co., Ltd	<input checked="" type="checkbox"/>	RoHS 2.0	<input type="checkbox"/>		Metal provides 4 RoHS items and other 10 items
Risuntek P/N	108.01.00449	Contact Name/Title	Aston	<input checked="" type="checkbox"/>	HF	<input type="checkbox"/>		CL & br for non-metallic parts
Supplier's P/N	b06-L	Date:YY/MM/DD	2022/9/16	<input checked="" type="checkbox"/>	CP65	/		Parts in contact with skin
Manufacturering site	Dongguan	E-mail address		<input checked="" type="checkbox"/>	REACH	/		According to the latest SVHC list
Total weight (g)		Tel. No.	13714345069	<input checked="" type="checkbox"/>	other ()	/		Such as be, pops, PFOS / PFOA, etc
				<input checked="" type="checkbox"/>	MSDS	<input type="checkbox"/>		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	PBD E	Cl	Br	DEHP	DBP	BBP	DIBP		
1	108.01.00449	base material	Cai lungedi	SHAEC2202460504	2022. 2. 21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	电解中文ROHS (1).PDF	基材MSDS.pdf
2		printing ink	Youli black oil	ETR21805816	2021/9/6	ND	ND	ND	ND	ND	ND	434	ND	ND	ND	ND	ND	ETR21805816 PS-800黑色油墨.pdf PS800-SGS(德黑)黑色系列).pdf	MSDS_PS-800黑色油墨.pdf
3		Gummed paper	3M9471	SHAEC2118730101	2021/9/4	ND	ND	ND	ND	ND	ND	162	ND	ND	ND	ND	ND	2470-SGS-9471L E(9472LE, 9671LE).pdf 2470-SGS-9471L E(9472LE, 9671LE).pdf	MSDS_3M9471 白色.pdf
4		gold-plated	Get rich	A2210513116101001E / A2210513116102001E	2021/12/10	ND	ND	ND	ND	ND	ND	124	ND	ND	ND	ND	ND	中文版FPC埋锡金层MSDS.pdf 中文版埋锡金层MSDS.pdf	中文版FPC埋锡金层MSDS.pdf
5		White ink	Chuan Yu	ETR21A04957M01	2021/10/29	ND	ND	ND	ND	ND	ND	625	ND	ND	ND	ND	ND	ETR21A04957M01 ZSR-150白色油墨.pdf	MSDS_ZSR-150 白色文字油墨.pdf