

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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www.honant.com.cn

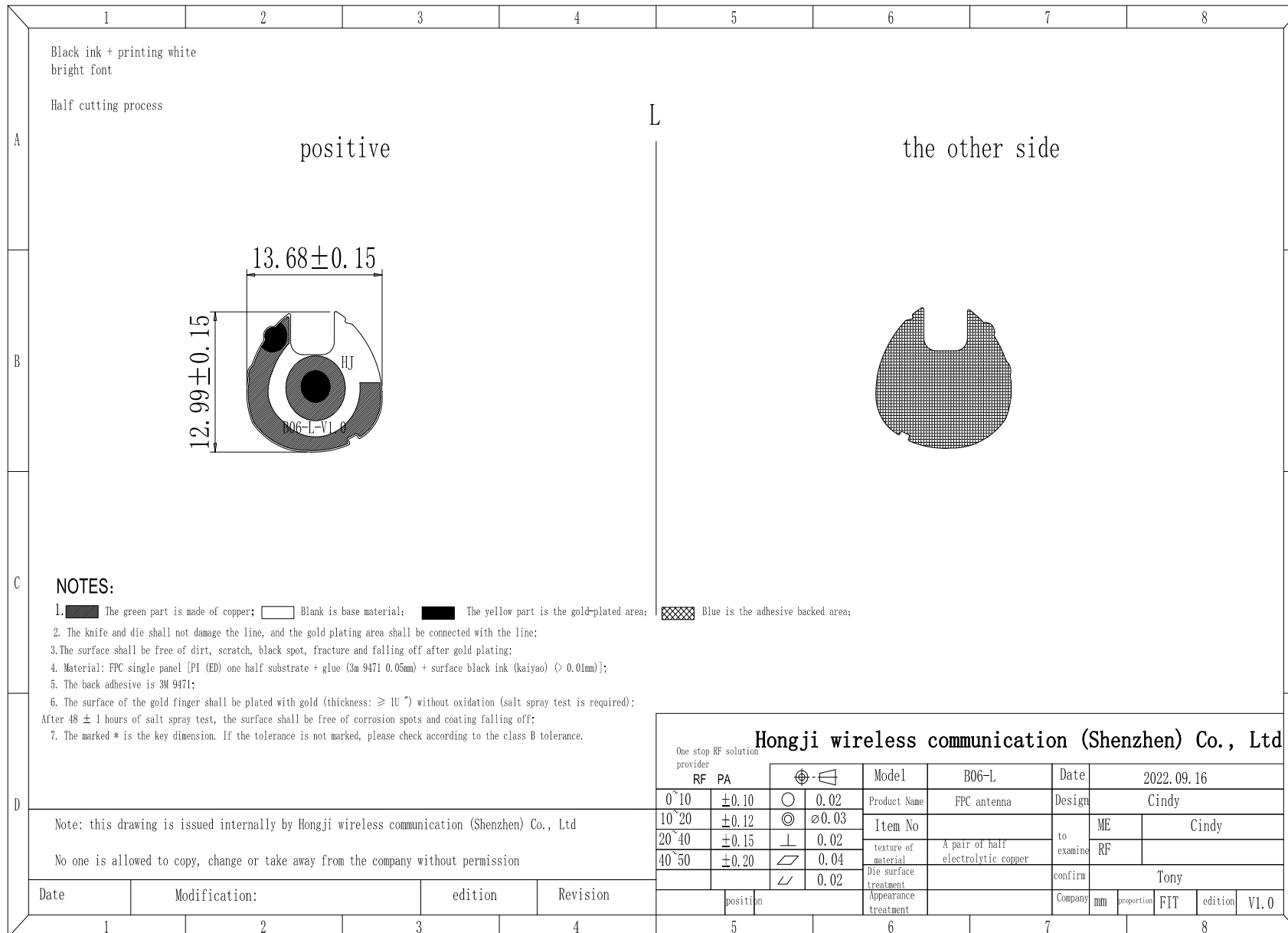
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一、Preparation / revision of change record

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					

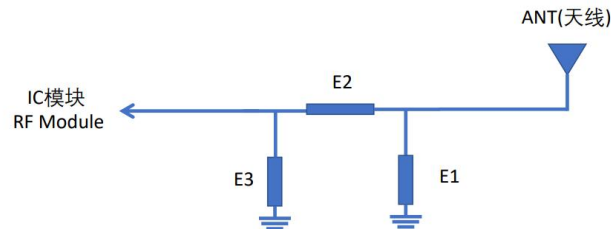
二、Product drawings



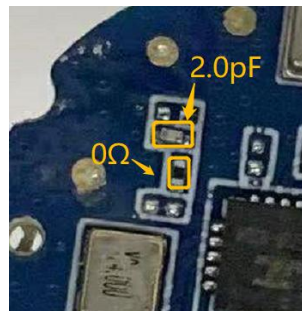
Description of electrical and mechanical properties

1、Matching circuit diagram

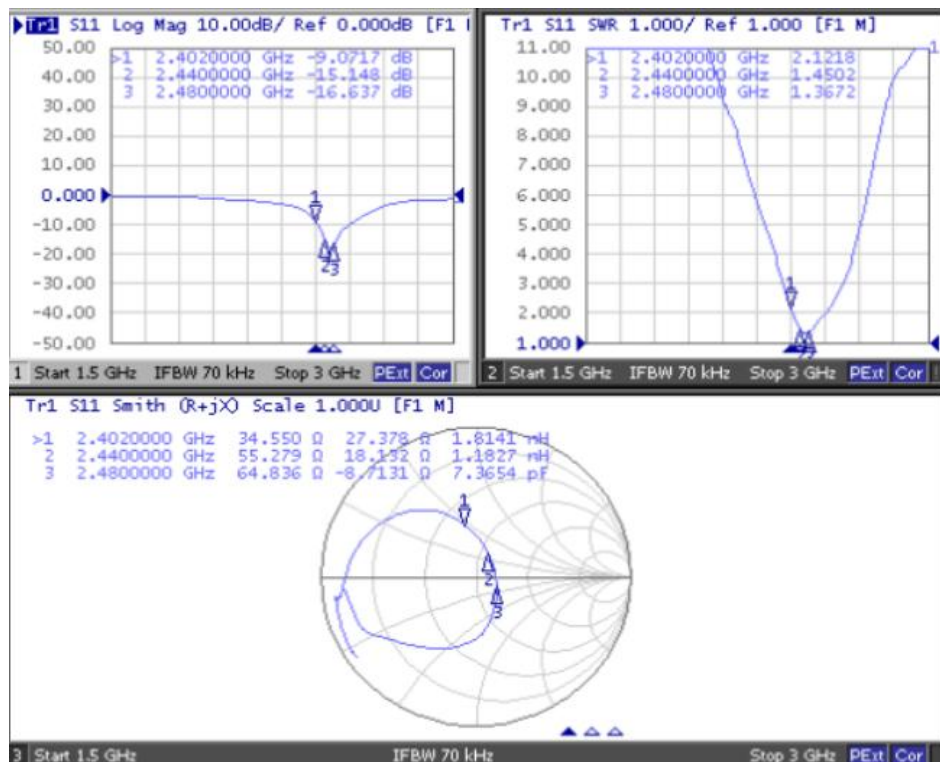
天线匹配电路说明Antenna circuit matching description



Element	Value
E1	2.0pF
E2	0Ω
E3	N/A

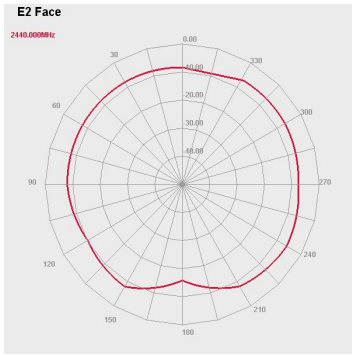
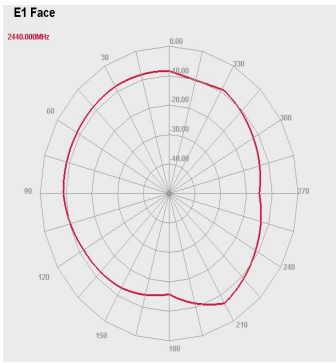
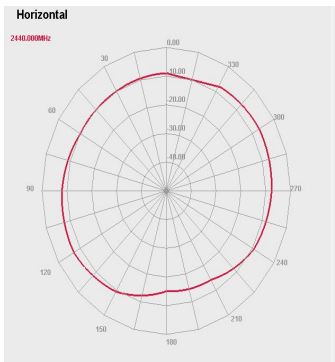


2、S11 parameters



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

四、Full size measurement report														
	code	108.01.00449		Part name		FPC antenna		Specifica tions	B06-L FPC antenna				Material Science	FPC (1 half)
	supplier	Hung Kai wireless		Measuring tools		Two dimensional element		Unit of measureme		MM			Measurement date:	2022.09.16
NO.	尺寸 (DIMENSIO N)	upper limit	+ TOL.	- TOL.	lower limit	Measured 1	Measured 2	Measured 3	Measured 4	Measured 5	Measured 6	Measured 7	UPPER ≤ 100%	LOWER ≤ 100%
B06-L	13.68	13.83	0.15	0.15	13.53	13.695	13.677	13.682	13.668	13.691	13.698	13.662	12%	12%
	12.99	13.14	0.15	0.15	12.84	13.011	13.018	12.968	12.978	12.992	12.972	13.018	19%	15%
Tabulation: Cindy to examine:James Date:2022/9/16														

to examine:James

Date: 2022/9/16

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 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	108.01.00449	Contact Name/Title	Aston	☒	HF	☐		CL & br for non-metallic parts
Supplier's P/N	b06-L	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	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			
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			