

# Shenzhen Cicent Communication Technology Co., Ltd.

## SPECIFICATION FOR APPROVAL

Customer Name	Jiangxi risound Electronics Co., Ltd
Publish Date	2023. 11. 06
Model Name	BTE-673
Product NO.	41070209
Product Name	FPC antenna-L
Description	FPC antenna -L 23.70*10.70*0.10mm, Gum backing 3M9471 Gold finger gilding, Silk screen version V5;



supplier

S I G N	APPROVED BY	CHECKED BY	DRAMN
	朱煥明 <i>[Signature]</i>	<i>[Signature]</i>	钟松枝

customer

S I G N	QE	R&D	PE

Supplier name: Shenzhen Cicent Communication Technology Co., Ltd.

Supplier Address: 505-506 .ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china

Contact person and contact information: Simon (18318811986)



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Change record			
Compile / change date	Reason for change	Changed content	Version

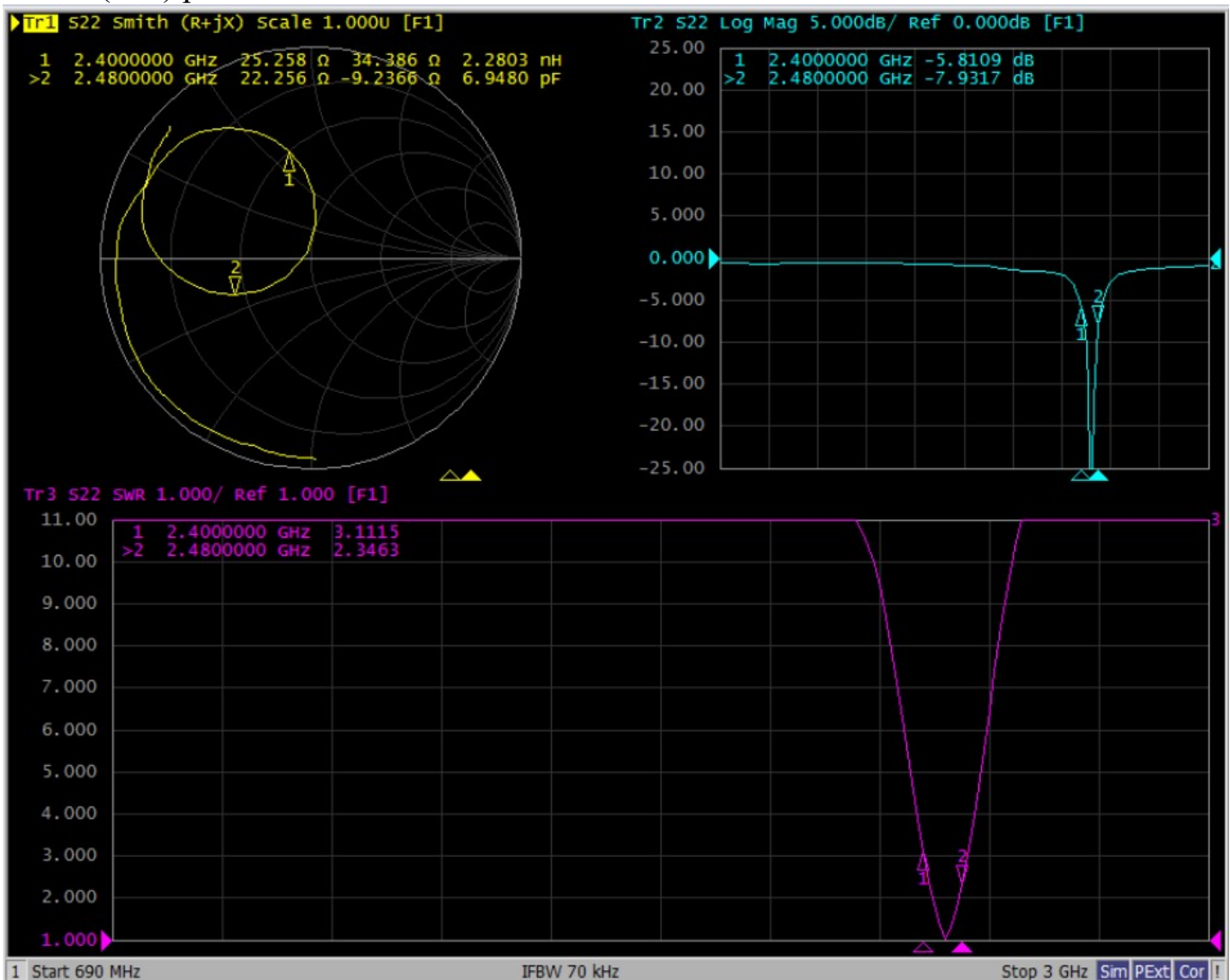


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter:



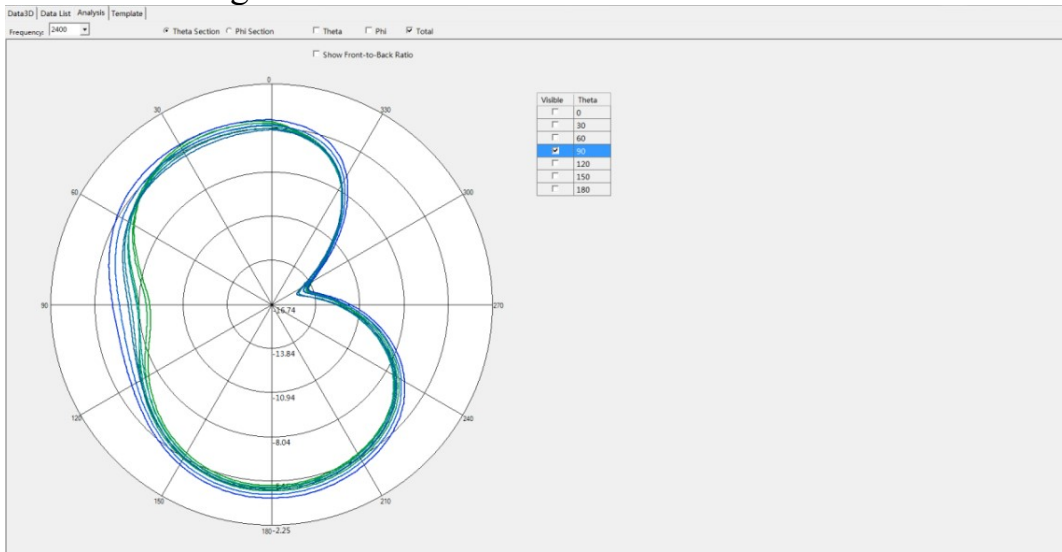


Efficiency:

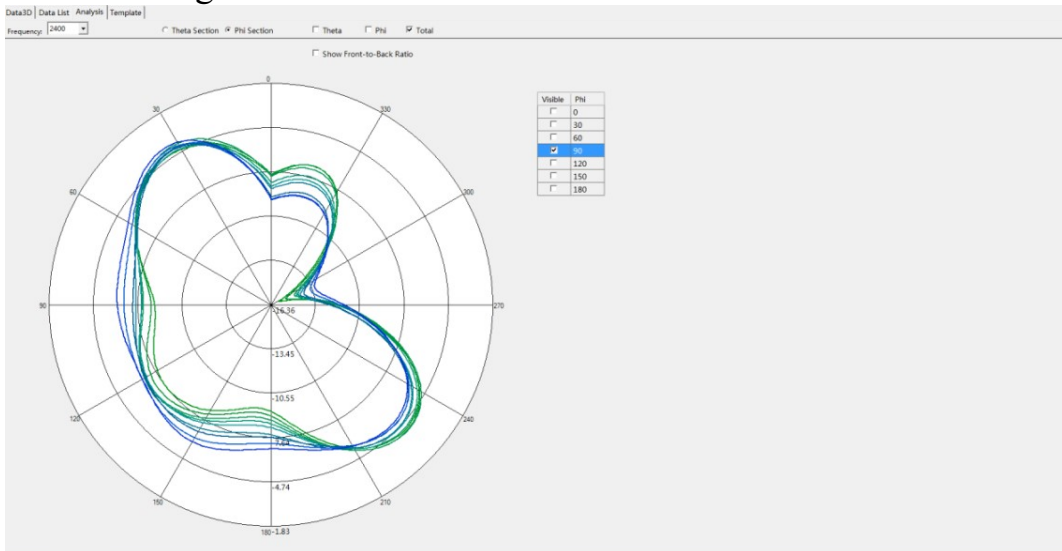
2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB )	Gain (dBi)
2400	21.4%	-6.70	-3.42
2410	21.7%	-6.63	-3.31
2420	22.1%	-6.55	-3.17
2430	22.2%	-6.54	-3.05
2440	22.7%	-6.44	-2.93
2450	23.0%	-6.38	-2.82
2460	22.3%	-6.52	-2.86
2470	22.2%	-6.53	-2.86
2480	22.1%	-6.56	-2.92
Average value	22.2%	-6.54	-3.04



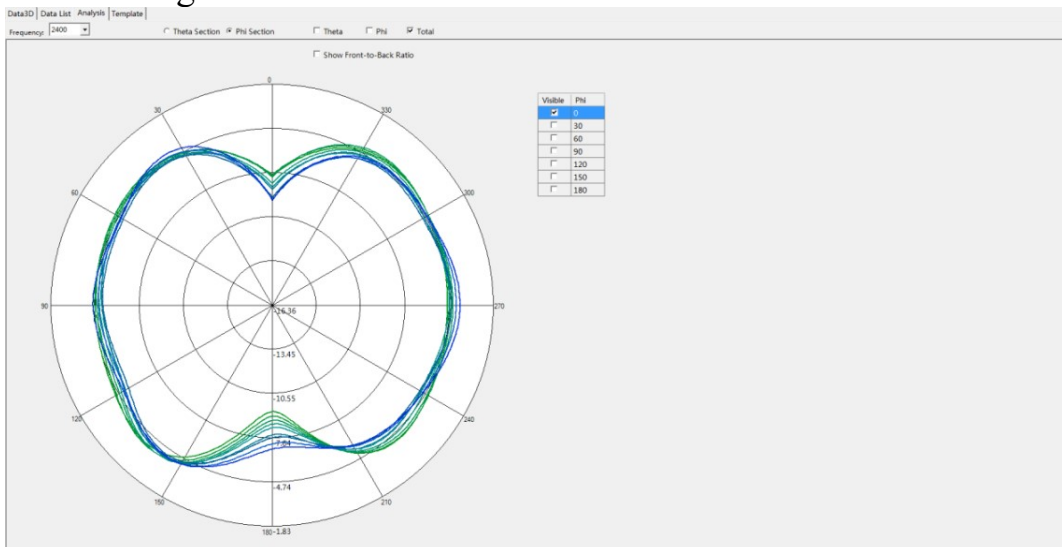
### Antenna radiation pattern: Theta=90.00deg



### Phi=90.00deg



### Phi=0.00deg





II: 3D Active test report of antenna

free space	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	6.0	-89.5
	CH 39	6.1	-89.8
	CH 78	5.3	-89.1

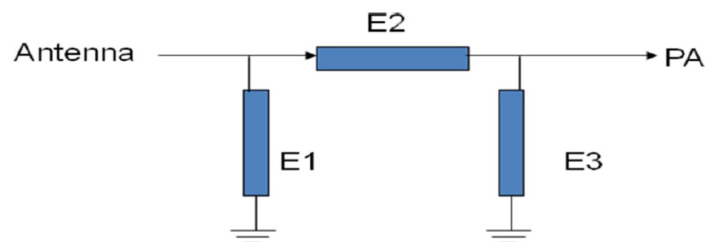
Headform	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	0.4	-84.2
	CH 39	0.5	-84.4
	CH 78	0.1	-84.4



OTA Standard Chamber

III: Matching circuit

Element	Value
E1	N/A
E2	0 Ω
E3	N/A

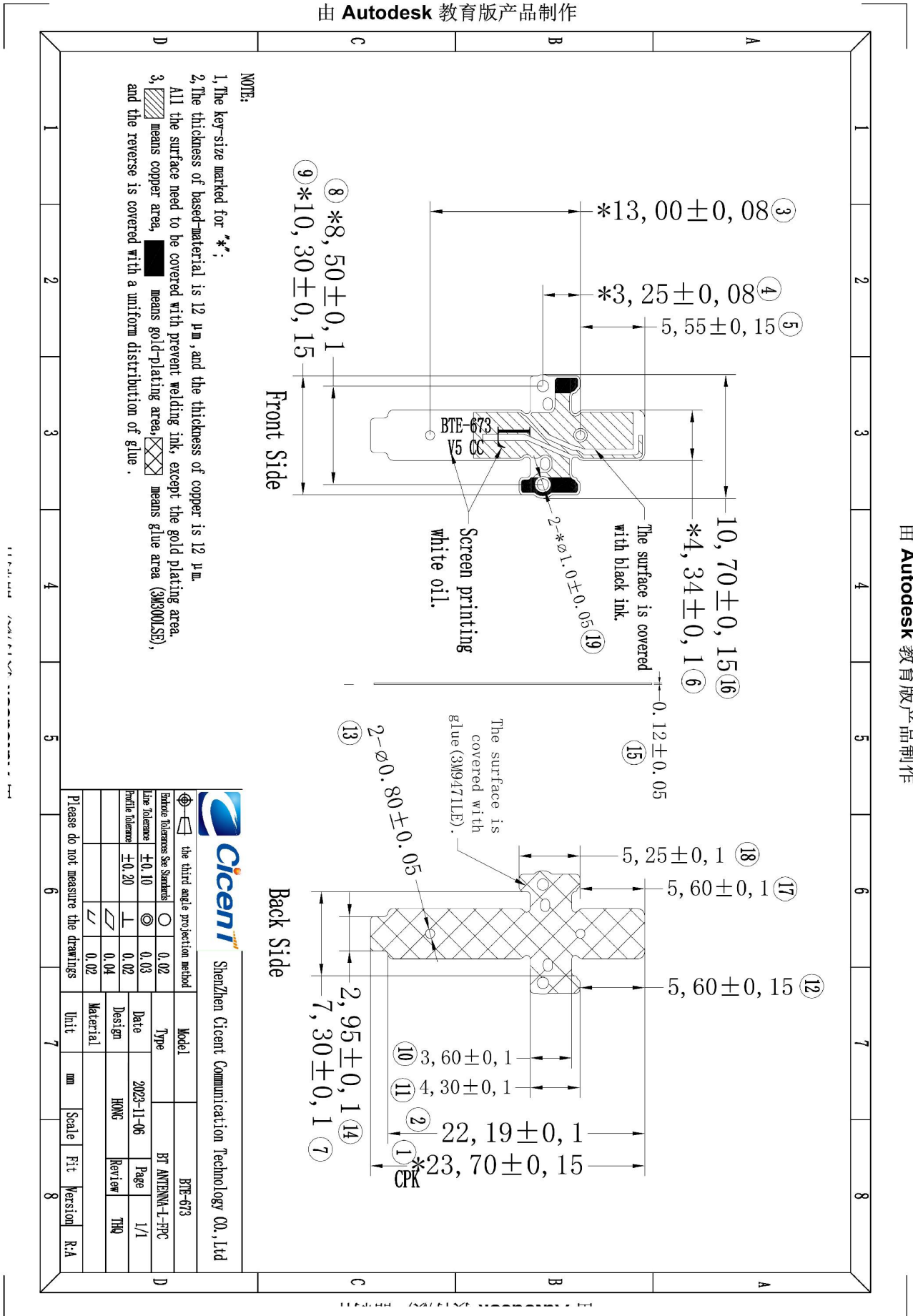




IV: Structure file

由 Autodesk 教育版产品制作

由 Autodesk 教育版产品制作





V: Sample size inspection report

## Sample Size Inspection Report

The project name: BTE-673

Type: FPC

Date: 2023-09-20

The test items		Standard	Sample inspection status					Determine	Note
			1	2	3	4	5		
appearance	scratch	According to finished product inspection specification.	√	√	√	√	√	OK	
	bruised		√	√	√	√	√	OK	
	stain		√	√	√	√	√	OK	
	variant		√	√	√	√	√	OK	
	other		√	√	√	√	√	OK	
Structure size	A1	23.70±0.15	23.75	23.68	23.72	23.76	23.74	OK	L
	A2	13.00±0.08	13.05	13.02	13.03	12.98	12.99	OK	L
	A3	3.25±0.08	3.26	3.25	3.28	3.22	3.28	OK	L
	A4	4.34±0.10	4.36	4.35	4.32	4.30	4.38	OK	L
	A5	8.50±0.10	8.55	8.53	8.48	8.48	8.53	OK	L
	A6	10.30±0.15	10.33	10.32	10.36	10.28	10.26	OK	L
	A7	1.00±0.05	1.03	1.03	1.02	0.99	0.99	OK	L

The approver: Zhang Rencun

The inspectors: Xuxiaoyan


The tester: Che Shuilan







VII: Packaging method

Packaging Catalogue	Packing Diagram
<p>Number of packages:</p> <p>The specific packaging quantity is adjusted according to the order quantity.</p>	

Packaging molding effect

	
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change	Change point	date	make	confirm
1				
2				
3				
Inspector: Zhang Rencun		Reviewed by: Lee		date: 2023.11.06





IX: Registration of harmful substances

有害物质登记表  
Registration of harmful substances

供应商名称 Manufacturer name: Shenzhen Cicent Communication Technology Co., Ltd. 物料代码 Material code: 41070209/41070210 填写人员 Completed by: 陈世贵 电话 Tel: 15913505297 填写时间 Date: 2023-09-21 填写部门 Department: Project Department 邮箱 E-mail: csg@cicent.com.cn										
有害物质清单 List of harmful substances										
产品名称 Product name	部件名称 Component name	均质材料名称 Homogeneous material name	品牌厂家 Brand manufacturer	有害物质成分 Harmful Substances	有害物质在部件中的百分比 Percentage content	Cas. No	OPP0标准 standard	有害物质作用及不可替代原因 substance's function & Irreplaceable reason	判定结论 conclusion	环保专员复核 Review
FPC antenna	Gold Finger Plating Layer	Electronickel gold	金源星	nickel	98.00%	7440-02-0	0.5ug/WECK	gold copper interval gold coating as a base to prevent gold copper displacement and oxidation	Used in the gold plating process without direct contact with the human body, judged qualified	
FPC antenna	字符油墨 Character ink	ZSR-150	川裕	F	77.7ppm	14762-94-8	No harmful fluoride	Epoxy resin is an indispensable ink material that remains during the synthesis of the main body of the product's epoxy resin	NOPPAS	

\*如果原材料成分含有有害物质，需登记在此页。  
\*If the ingredients contain harmful substances, you need to register on this page.