



Shenzhen yingjiachuang Electronic Co.,Ltd

<http://www.szsyjc.com>

# APPROVAL SHEET

## 承认书

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CUSTOMERP/N		
PARTNAME		
P/N	YJC-6N060-B112	
APPROVALREV.	A0	
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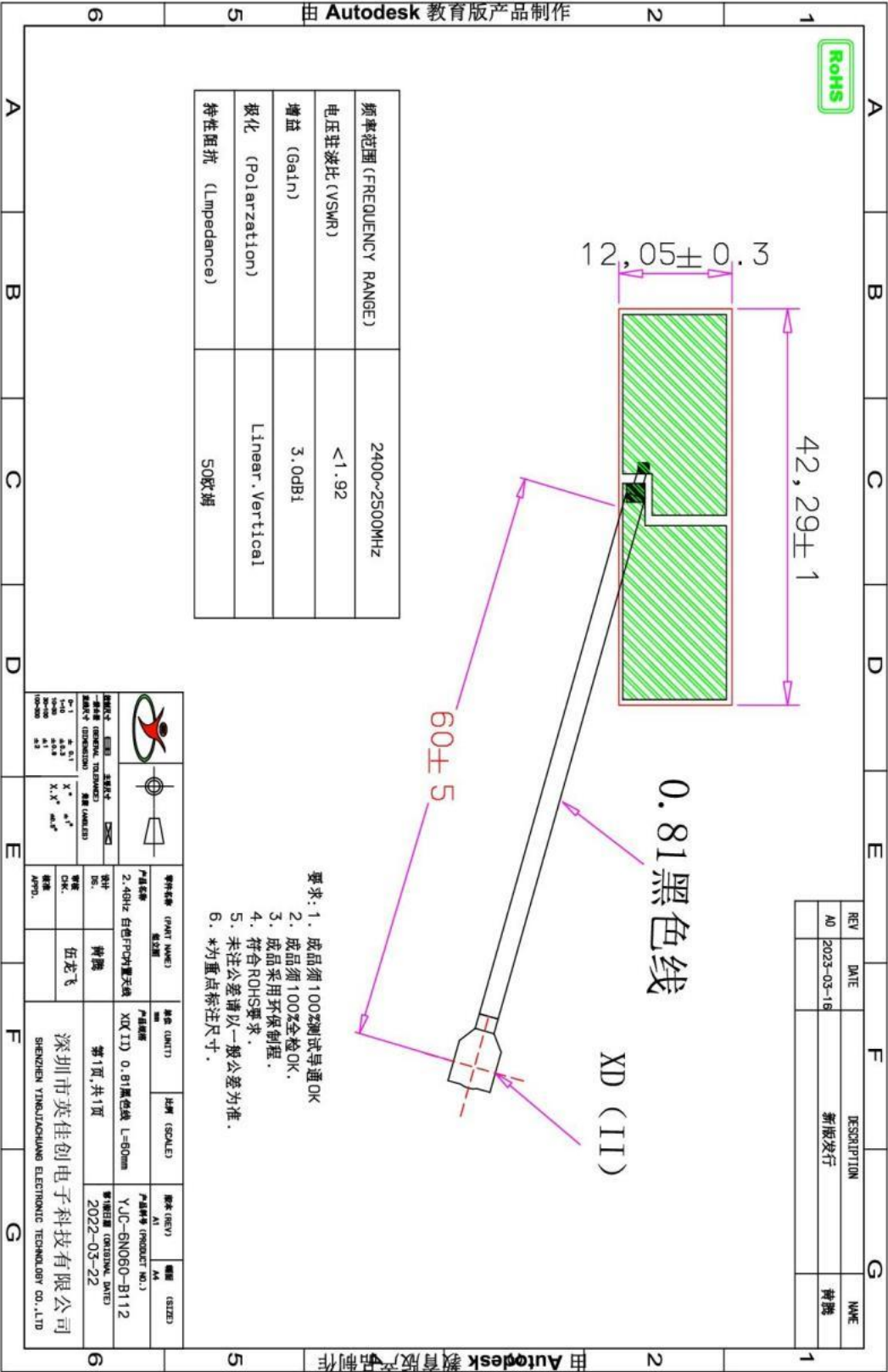


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Revised resume

[illegible]



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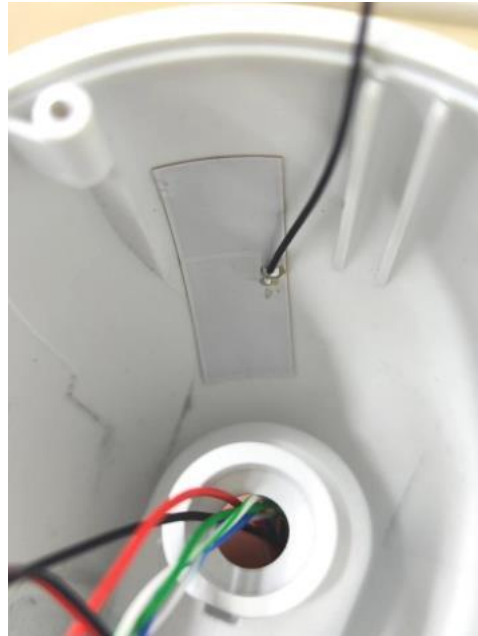
Electronic equipment technical parameter			
电性能指标		Electrical Specifications	
频率范围	2400~2500MHz	Frequency Range	2400~2500MHz
电压驻波比	<1.92	VSWR	<1.92
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益	4.06dBi	Gain	4.06dBi
机械指标		Mechanical Specifications	
天线颜色	白色	Antenna Color	White
接口形式	二代线端	Inputconnector	XD (II)
线材长度	60MM	WireLength	60MM
工作温度	-40℃~+90℃	Working Temperature	-40℃~+90℃
工作湿度	20~80%	Working Humidity	20~80%

Environment performance testing:

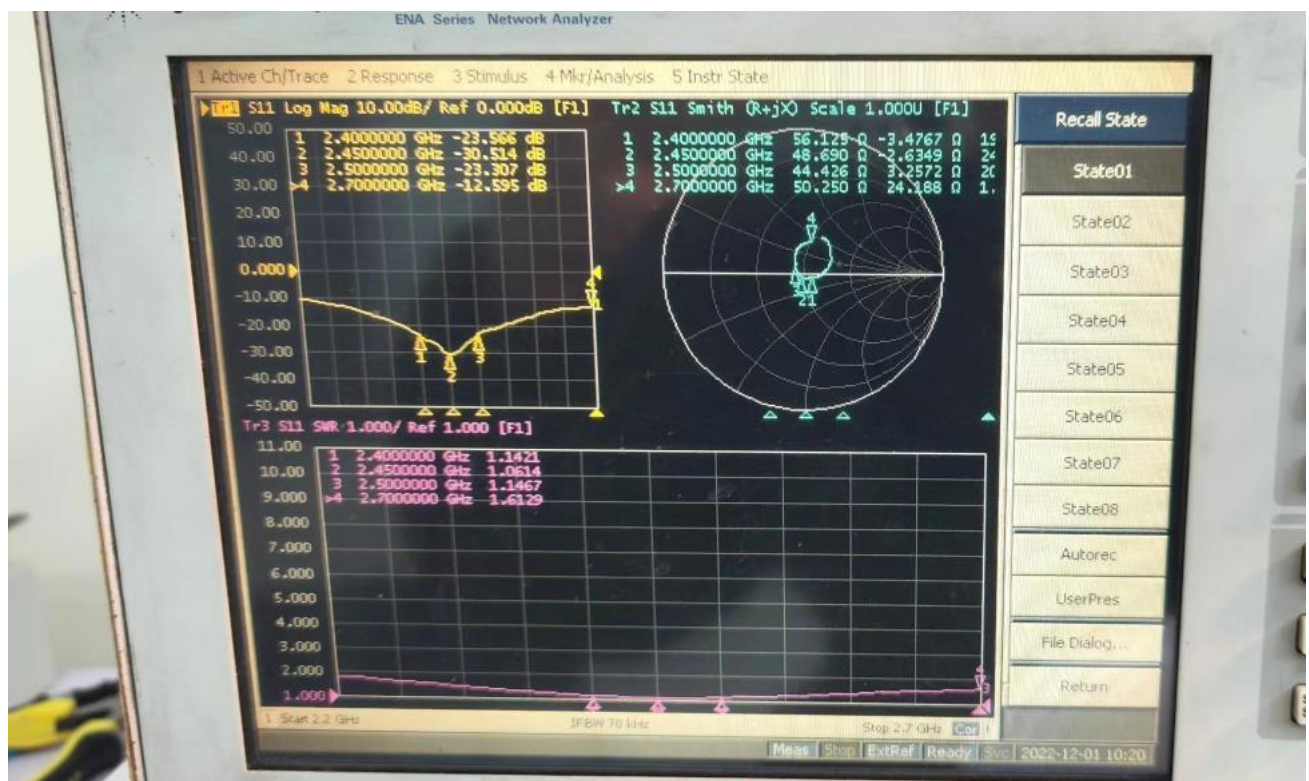
project	test condition	specification
Storage environment	test tempearture, humidity, and air pressure without specifying as fellows: 1.temperature: -30℃~+80℃ 2.relative humidity 45%-85% 3.air pressure:86kpa-106kpa	Electronic mechanical performance is normal
High & low temperature test	Between -20℃ and 70℃ go on 5 loop and in normal condition after 1 hour - 2 hours checking appearance quality	The size should meet the regulations and the mechanical and elecrical performance requirements
Constant Damp Heat Resistance Experiment	Relative humidity:95±3%, experiment temperature: 40℃.after two hous testing, , and check its appearance after 1-2 h in normal condition	The size should meet the regulations and the mechanical and elecrical performance requirements
Vibrate experiment	Oscillation range:10-55HZ, shifting amplitude 0.35MM, acceleration: 50.0M/S, sweep loop frequency: 30 times	Electrical mechanical
	Free fall from 1 meter height in the direction of mutually vertical axes for 3 times	performance is normal



Antenna figure:



Antenna performance figure:





OTA active test data statistics

Item	Measurement	Band	Channel	Frequency	Max	Min	Total
1	TRP	WIFI_B (11M)	1	2412	17.68	8.73	15.75
2	TRP	WIFI_B (11M)	6	2437	17.92	8.81	15.71
3	TRP	WIFI_B (11M)	11	2462	18.68	9.84	16.25
4	TIS(EIRP)	WIFI_B (11M)	1	2412	-66.15	-75.05	-73.14
5	TIS(EIRP)	WIFI_B (11M)	6	2437	-65.09	-74.1	-71.9
6	TIS(EIRP)	WIFI_B (11M)	11	2462	-66.25	-75.26	-72.8
7	TRP	WIFI_G (6M)	1	2412	15.76	6.9	13.92
8	TRP	WIFI_G (6M)	6	2437	16.27	7.14	14.03
9	TRP	WIFI_G (6M)	11	2462	16.8	7.71	14.34
10	TIS(EIRP)	WIFI_G (54M)	1	2412	-50.21	-59.08	-57.22
11	TIS(EIRP)	WIFI_G (54M)	6	2437	-51.49	-60.62	-58.38
12	TIS(EIRP)	WIFI_G (54M)	11	2462	-53.47	-62.63	-60.16
13	TRP	WIFI_N_ISM (6.5M)	1	2412	14.53	-8.44	10.15
14	TRP	WIFI_N_ISM (6.5M)	6	2437	16.19	-2.86	13.29
15	TRP	WIFI_N_ISM (6.5M)	11	2462	16.91	-6.69	13.84
16	TIS(EIRP)	WIFI_N_ISM (65M)	1	2412	-24.02	-47.33	-43.63
17	TIS(EIRP)	WIFI_N_ISM (65M)	6	2462	-36.26	-56.54	-53.65
18	TIS(EIRP)	WIFI_N_ISM (65M)	11	2412	-31.82	-58.50	-55.42

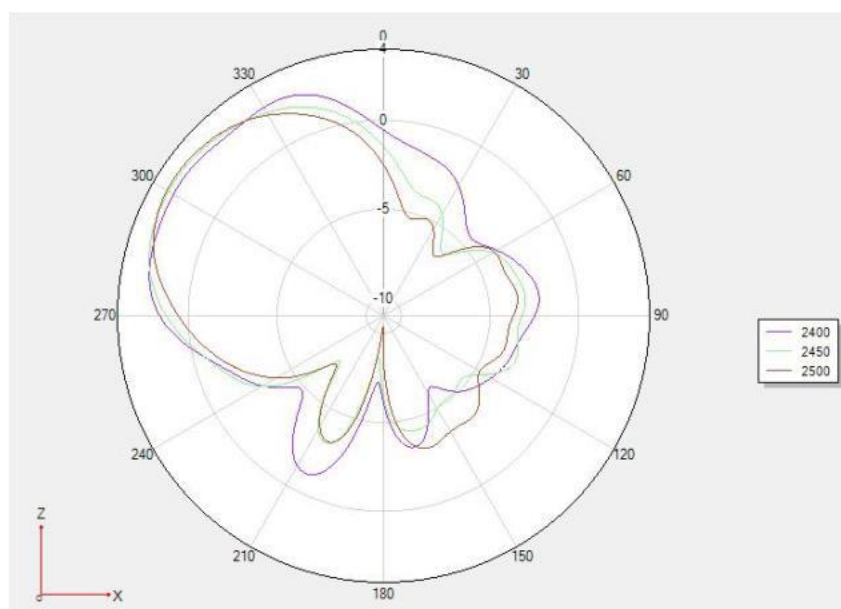




## 2D.3D (2.4G) testing data:

Frequency	Efficiency(%)	Gain. (dBi)
2400MHz	61.64	3.44
2410MHz	68.66	3.98
2420MHz	65.70	3.38
2430MHz	69.79	4.06
2440MHz	60.11	3.19
2450MHz	69.99	3.45
2460MHz	66.25	3.60
2470MHz	66.43	3.59
2480MHz	60.96	3.30
2490MHz	63.38	3.82
2500MHz	60.28	3.24

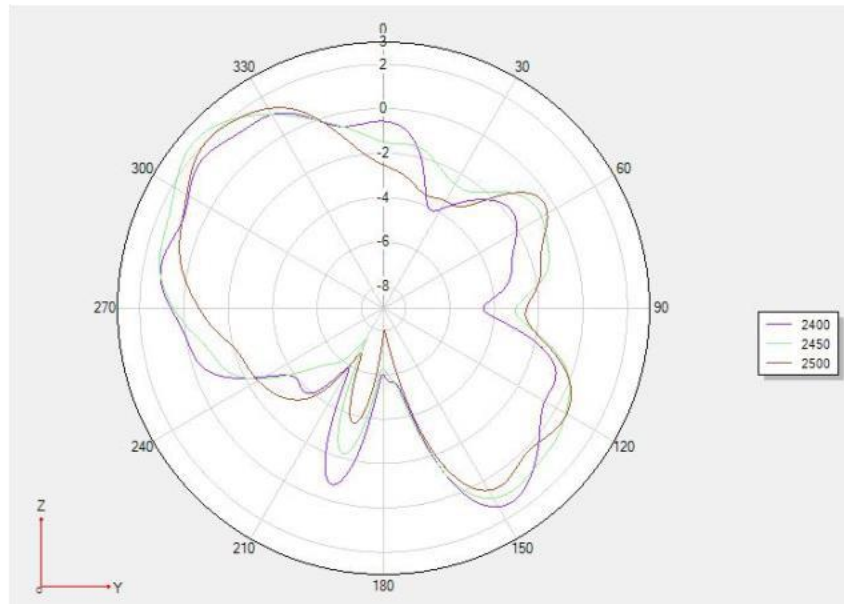
(Phi 0 2D figure)



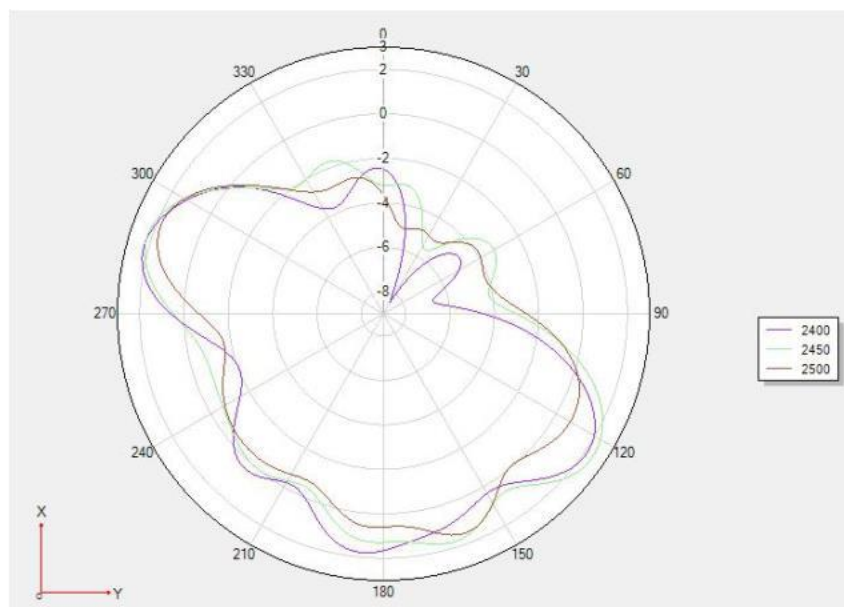




(Phi 90 2D figure)



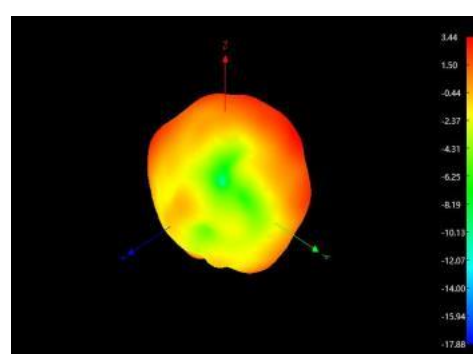
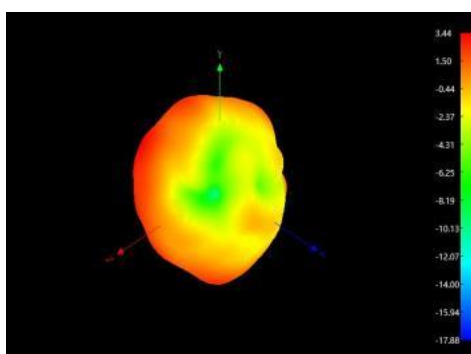
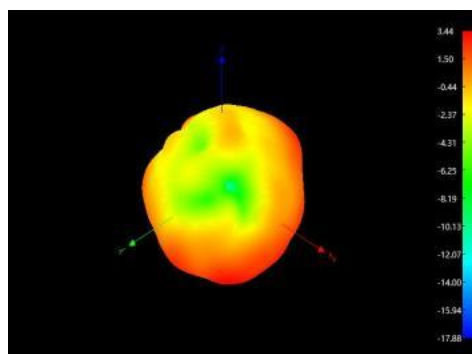
(Theta 90 2D figure)



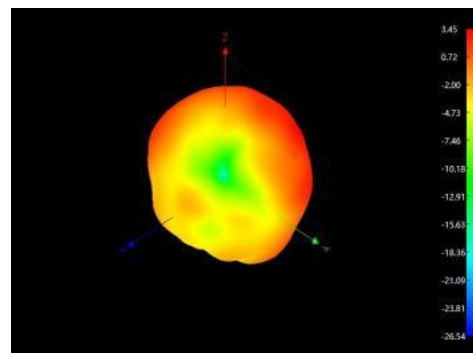
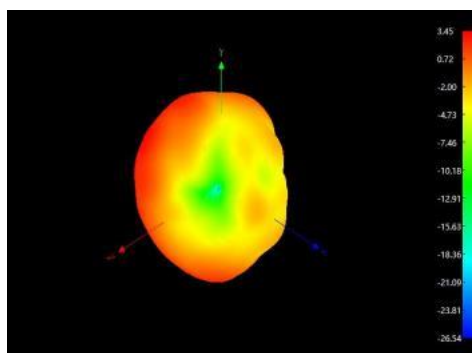
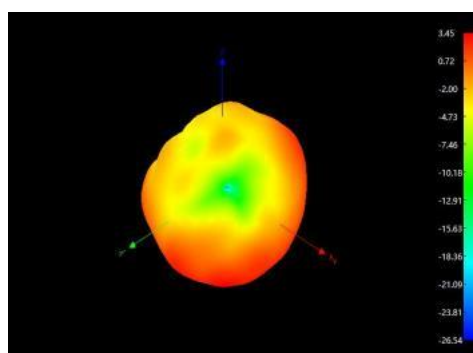


## 3D testing figure

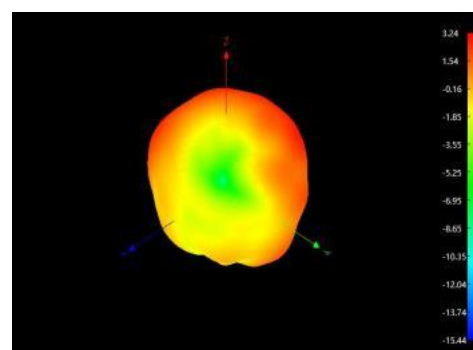
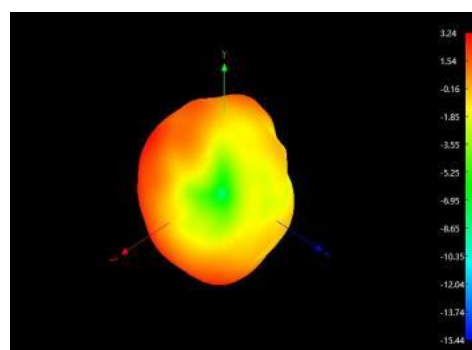
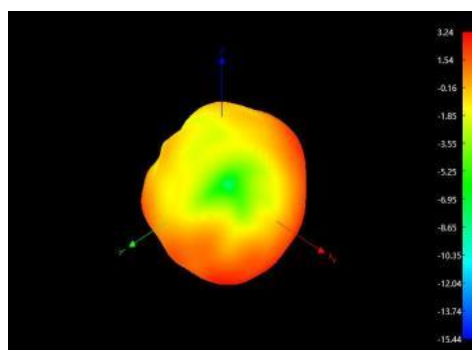
(3D 2400MHz)



(3D 2450MHz)



(3D 2500MHz)



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## material RoHS table for declaration of conformity

This is to certify that the components, auxiliary materials used, and additives used in production engineering delivered to your company comply with the environmental requirements of the RoHS Restriction on the Use of Hazardous Substances Directive (RoHS command 2011/65/EC)

The report on the composition of raw materials, packaging materials, and additives used in the production process for components and auxiliary materials is as follows:

Component /Part Name	Material Composition	ICP report #	Test Org.	Test Date	ppm						PASS?
					Cd	Pb	Hg	Cr <sup>6+</sup>	PBB	PBDE	PASS
Wire rod	Teflon Coaxial cable	SZXEC2202766604	SGS	22/08/18	ND	ND	ND	ND	ND	ND	PASS
FPC	FPC soft board	A2220205292202001E	SGS	22/06/14	ND	ND	ND	ND	ND	ND	PASS
Environmental friendly tin wire	Environmental friendly tin wire	SZXEC2203054806	SGS	22/09/19	ND	43	ND	ND	ND	ND	PASS
XD (I)	Tin phosphor bronze	SZXEC2203454507	SGS	22/10/28	ND	17	ND	ND	ND	ND	PASS
	Gold-plating	A2220404860101001C	CTI	22/09/17	ND	ND	ND	ND	ND	ND	PASS