



深圳市宇鸿实业有限公司

Shenzhen Yuhong Industrial Co., LTD

零件规格书

Specification of parts

客户名称/Customer name:	东莞市和乐电子有限公司 Dongguan Hele Electronics Co., LTD
产品机型/Product Model:	TW11
客户料号/Risuntek P/N:	10.157.000124
版本/Version:	A0
零件名称/Prodcut Name:	FPC天线/FPC antenna
产品描述/Description:	FPC天线 TW11_R ANT+TOUCH V1.9 宇鸿 FPC antenna TW11_R ANT+TOUCH V1.9 Yuhong
日期/Date:	2023/9/7

客户签署
(Customer Signatures)

项目 (PM)	结构 (ME)	品质 (QE)

我司签署
(Our signature)

品质 (QE)	结构 (ME)	射频 (RF)
杨进	张清花	毛路平

地址: 深圳市龙华新区民治大道与工业西路交汇展滔科技大厦A座1308
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Prepare/revise the resume

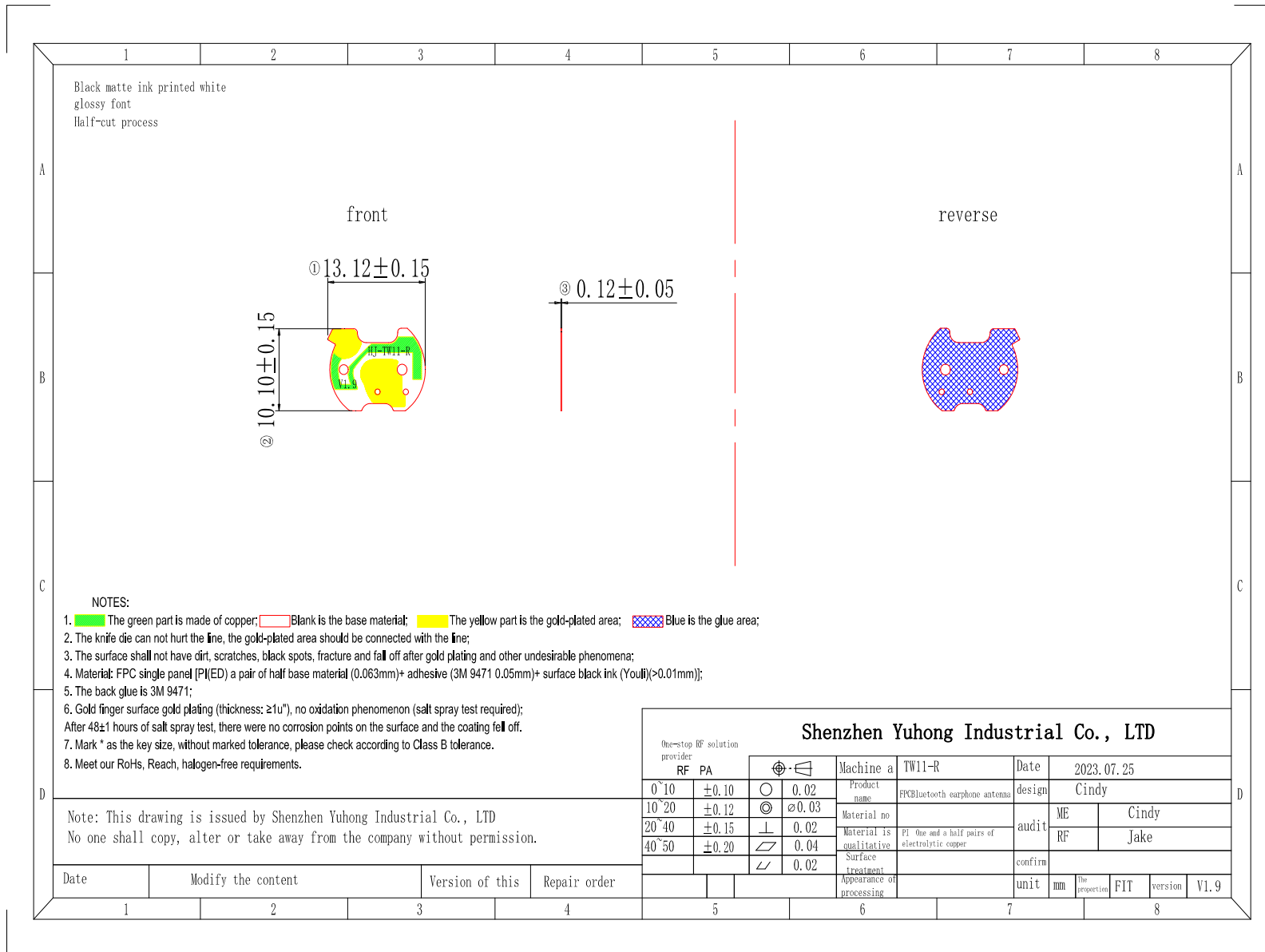
二、产品图纸
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三、电气、机械性能说明
Electrical and mechanical properties

一、制/修订变更履历表
Prepare/revise the resume

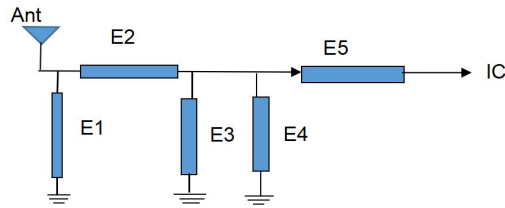
版本 edition	修订页面 Revision page	变更时间 Change time	变更人 Alteration party	变更原因及内容 Reason and content of change	备注 remark
A0	—	2023/9/7	Cindy	初版天线形式 First version of the antenna form	
A1					
A2					
A3					
A4					
A5					
A6					
A7					
A8					
A9					

二、产品图纸 Product drawing



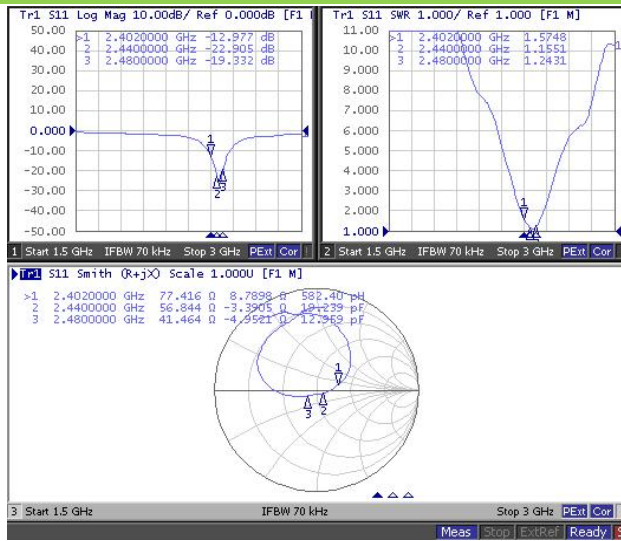
三、电气、机械性能说明 Electrical and mechanical properties

1、匹配电路图/Match the circuit diagram



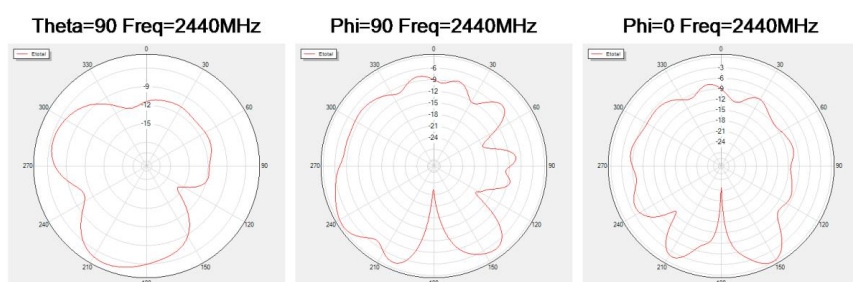
Element	Value
E1	3.0PF
E2	0Ω
E3	NC
E4	NC
E5	0Ω

2、S11参数/S11 Parameters



3、无源效率/Passive efficiency

频点MHz	增益(dBi)自由	效率(%)自由	增益(dBi)头模	效率(%)头模
	Gain (dBi) freedom	Efficiency (%) Freedom	Gain (dBi) head die	Efficiency (%) head mold
2400	-1.14	24.58	-3.29	9.78
2410	-1.29	25.69	-3.57	10.24
2420	-1.78	25.47	-3.96	10.8
2430	-1.49	26.34	-3.74	11.23
2440	-1.14	26.5	-3.45	11.78
2450	-1.22	25.3	-3.26	11.96
2460	-1.3	24.87	-3.74	11.04
2470	-1.47	25.69	-3.56	10.56
2480	-1.05	24.74	-3.7	10.22
2490	-1.56	24.58	-3.63	9.35
2500	-1.12	23.56	-3.52	9.57
平均值	-1.23	25.21	-3.58	10.59



4、有源OTA数据/Active OTA data

R	信道/channel	TRP (dbm)	TRP (dBm)
自由空间 Free space	0	0.45	-84.88
	39	1.56	-86.23
	78	1.73	-85.74
R	信道/channel	TRP (dbm)	TIS (dbm)
二代头模 Second generation head die	0	-2.83	-81.45
	39	-2.71	-81.78
	78	-2.66	-81.57