

小澈CW05 Antenna Report

Project name 项目名称	CW05	RF Engineer 射频工程师	
Project phase 项目阶段		TEL	

时间 Time	报告版本 Report version	主要内容 Main content
2023-09-03	V0.1	初步无源调试报告 Preliminary passive debugging report

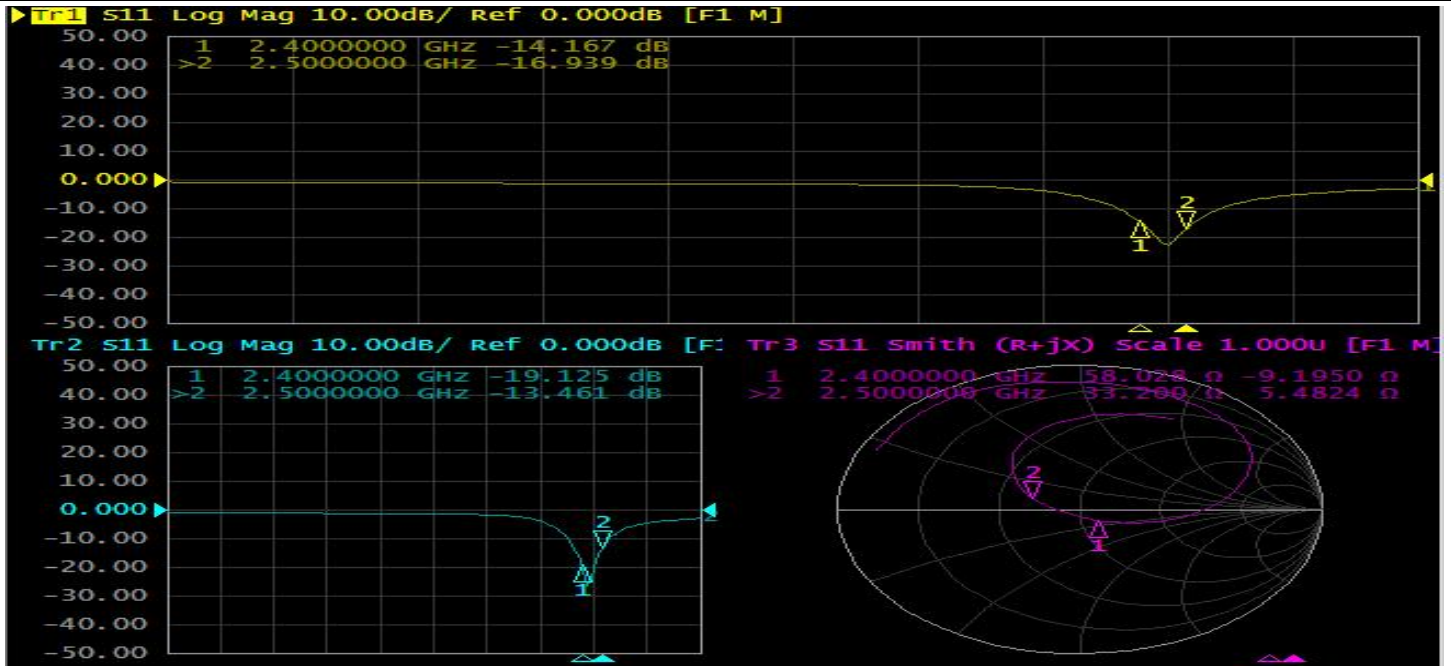
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Antenna Report

报告主要内容
The main content

无源调试结果: 1、Arm BT 天线效率调试10%左右
Passive debugging result: 1. Arm BT antenna efficiency debugging is around 10%.

BT天线 (图档 VSWR) BT antenna (graph VSWR)



天线效率参数测试情况
Antenna efficiency parameter testing situation

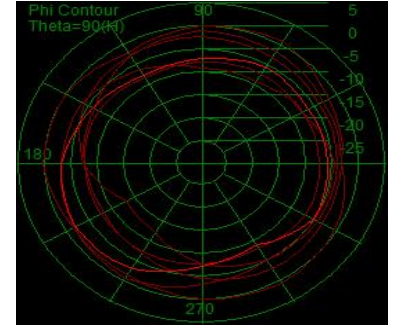
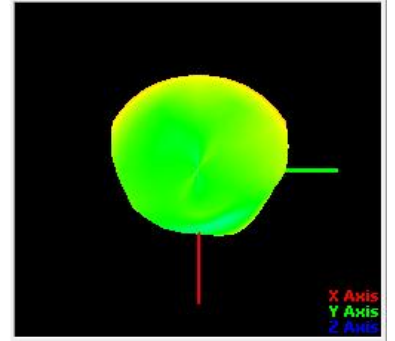
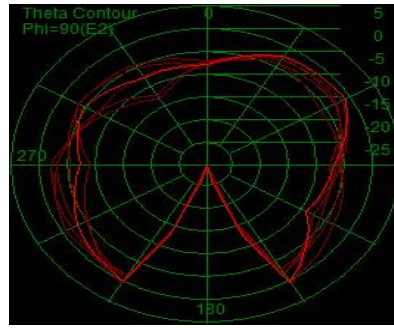
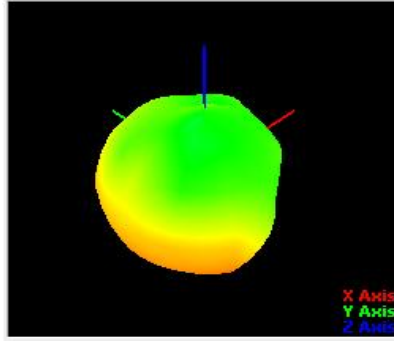
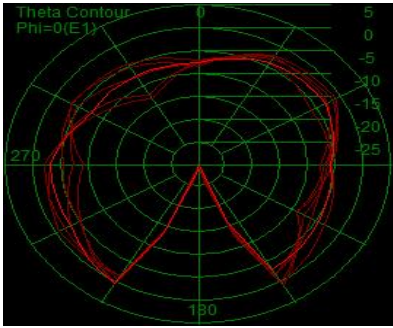
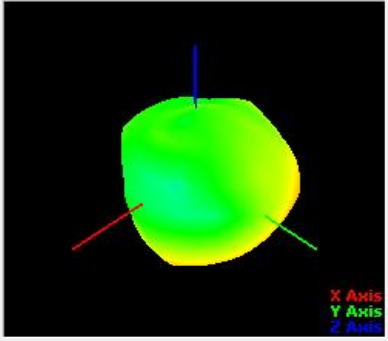
	频点 channel frequency	效率% efficiency percentage	效率db efficiency	增益 Gain
BT Arm	2400	7%	-11.3	-4.5
	2410	8%	-11.1	-4.4
	2420	8%	-10.9	-4.6
	2430	9%	-10.7	-4.2
	2440	9%	-10.5	-4.1
	2450	10%	-9.9	-3.9
	2460	10%	-10.0	-4.0
	2470	9%	-10.4	-4.1
	2480	9%	-10.7	-4.3
	2490	8%	-11.1	-4.5
	2500	7%	-11.4	-4.5

Antenna Information	Antenna Manufacturer	Shenzhen Yusheng Communication Equipment Co., Ltd
	Antenna Manufacturer Address	Room 411, Building 2, South Taiyun Chuanggu Park, Southeast of the intersection of Guangming Avenue and Dongchang Road, Tangwei Community, Fenghuang Street, Guangming District, Shenzhen
	Antenna Model	CW05
	Antenna Type	PIFA
	Antenna Part Number	604003-TH0T
	Antenna Frequency Range	2400MHz-2500MHz
	Antenna Input Power Limitation	2W

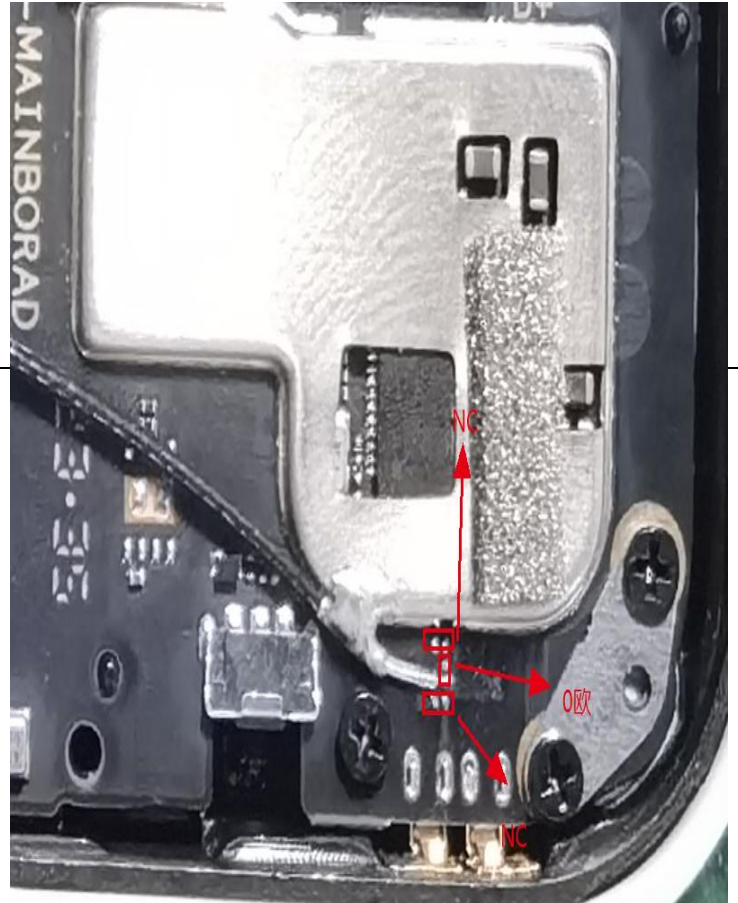
Antenna Appearance and dimensional information

尺寸为重点管控尺寸, 未标注公差参照图例默认公差标准

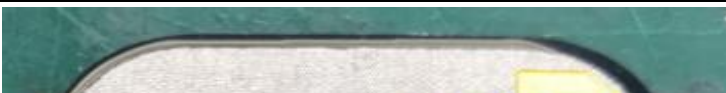
2450MHZ无源方向图/场型图
2450MHz passive radiation pattern/field pattern.

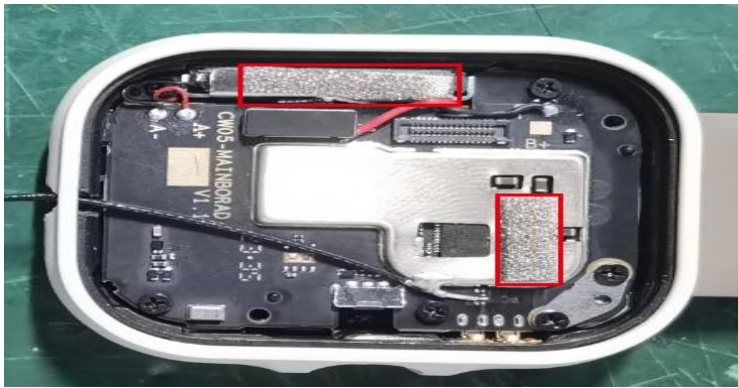
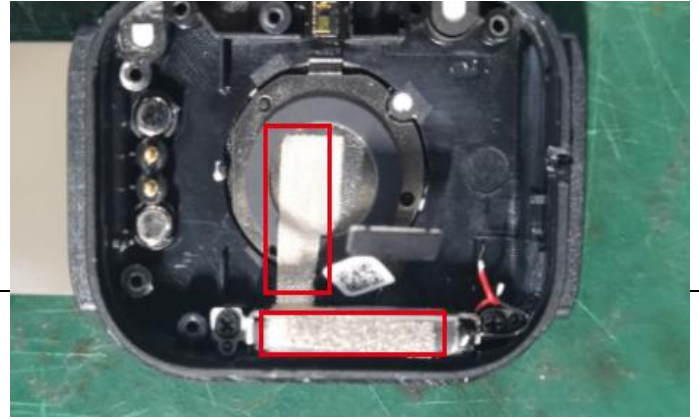
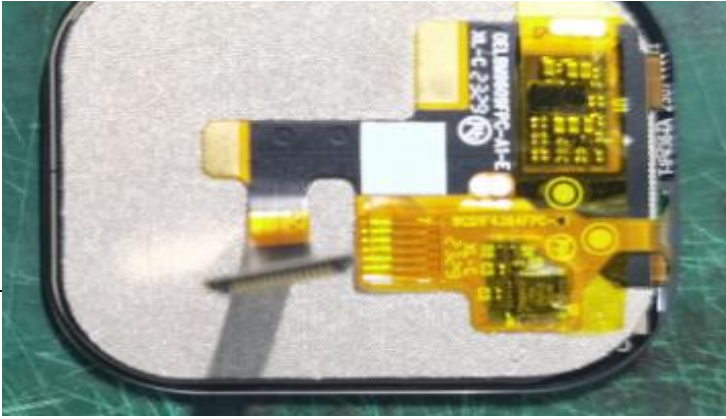


主板匹配
motherboard compatibility



环境处理
environmental treatment





- 1、导电布屏蔽屏FPC
 - 2、心率铁片与喇叭用导电布接地
 - 3、主板屏蔽罩加海绵与屏接地
 - 4、喇叭加海绵与屏接地
- 1, Conductive cloth shielding FPC
 2, Grounding the heart rate iron piece and speaker with conductive cloth
 3, Adding sponge and grounding the mainboard shielding cover with the screen
 4, Adding sponge and grounding the speaker with the screen

天线测试环境
 antenna testing environment

