



TYW 天有为电子

| 积极主动 | 团队协作 |

春风12.3 蓝牙PCB天线测试

哈尔滨研究院硬件部

- 一、制造商及地址 **Manufacturer & address**
- 二、测试环境 **Test environment and setup**
- 三、蓝牙天线及测试点 **PCB antenna of BT & Test point**
- 四、测试结果 **Test results**



一、制造商及地址 Manufacturer & address

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制造商: 无棣源通电子科技有限公司

地址: 山东省 滨州市 无棣县 新汽车站南500米

Manufacturer: Wudi Yuantong Electronic Technology Co., Ltd.

Address: 500 meters South of New Bus Station, Wudi County, Binzhou City, Shandong Province

测试仪表 Instruments used for test

矢量网络分析仪 E5080B
Keysight Network Analyzer E5080B



OTA天线测试系统
通用测试 RayZone® 2800



待测整机 DUT

Side A

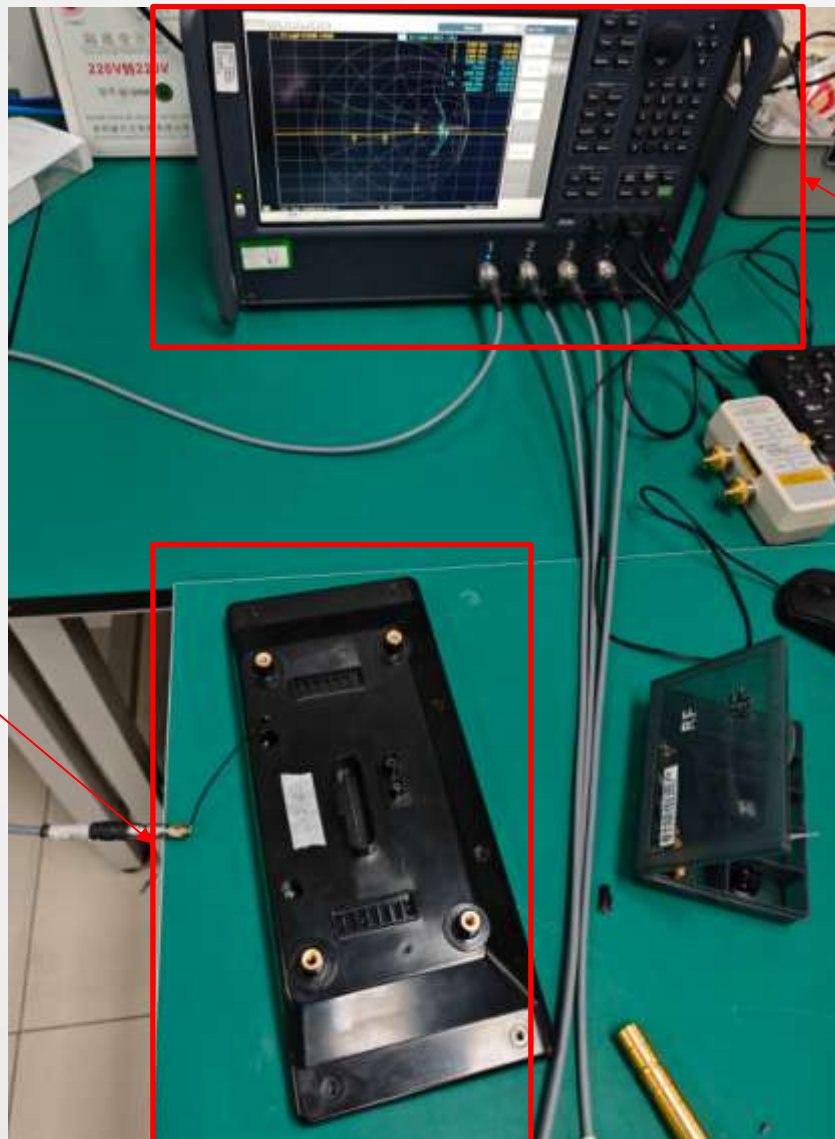


Side B



S11测试环境 Setup of the S11 test

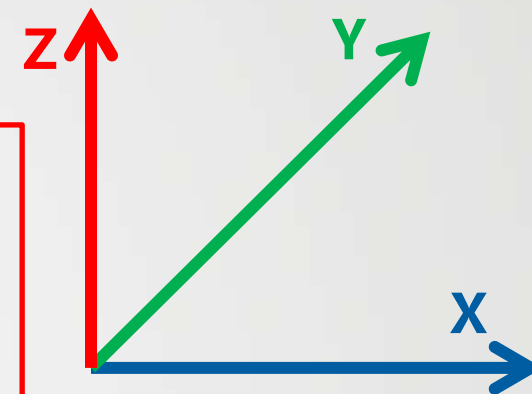
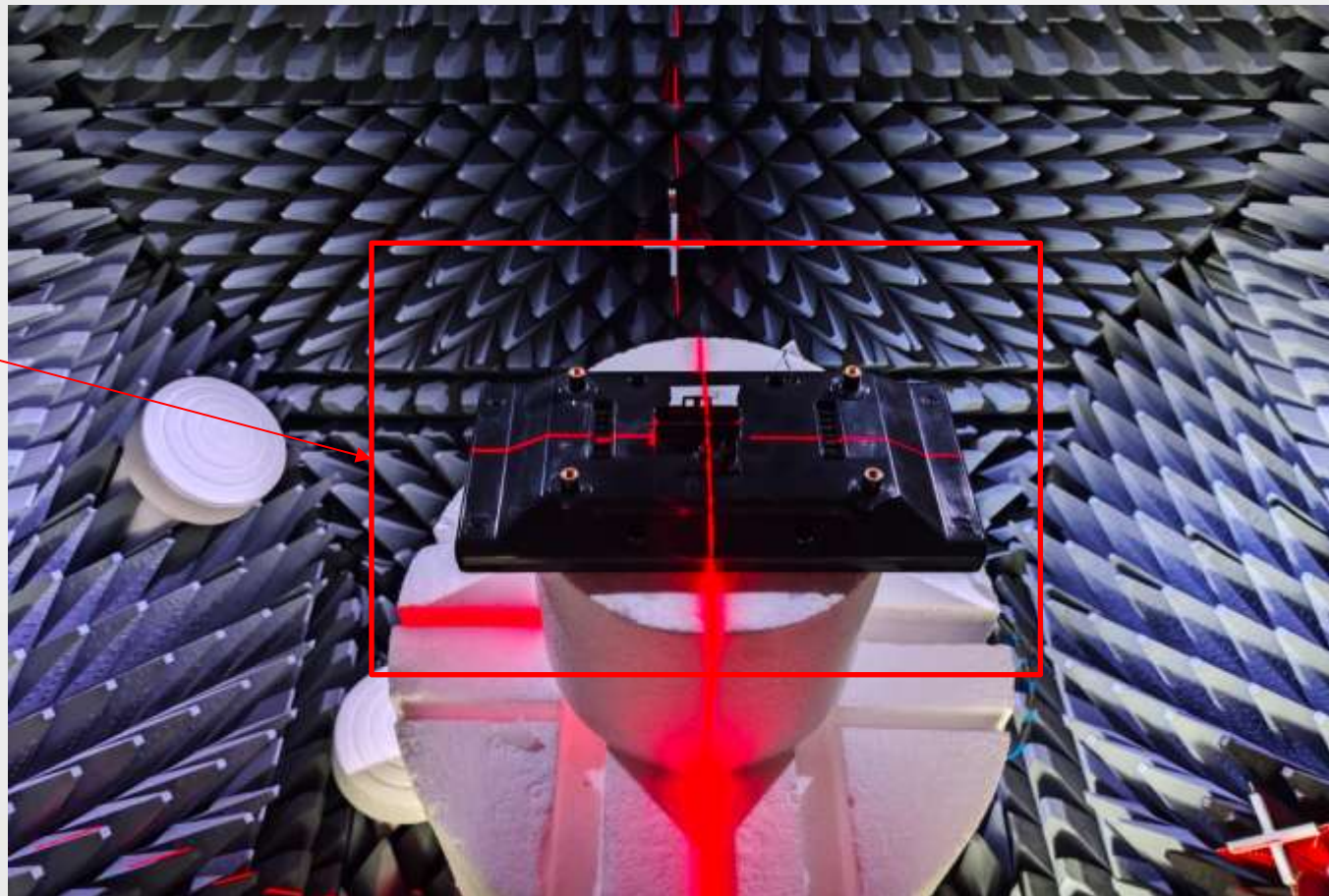
待测整机
DUT



矢量网络分析仪
ENA

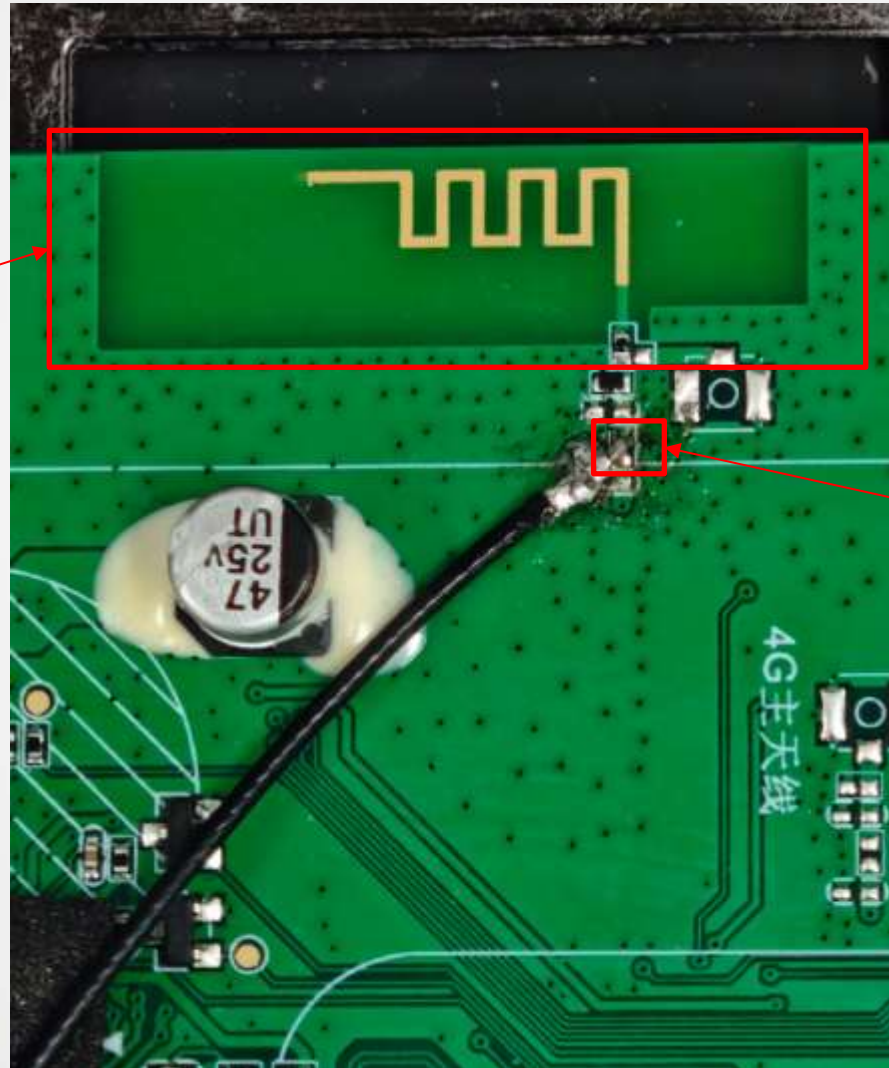
OTA测试环境 Setup of the OTA test

待测整机
DUT



暗室OTA系统
GTS2800

PCB蓝牙天线
PCB antenna of BT

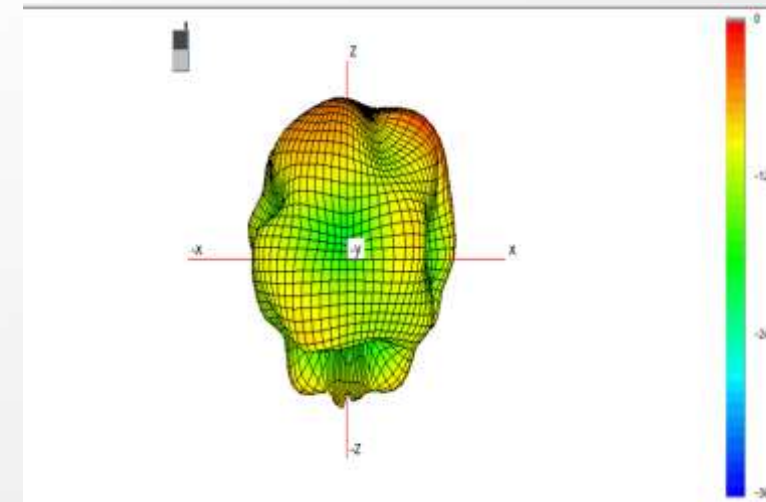
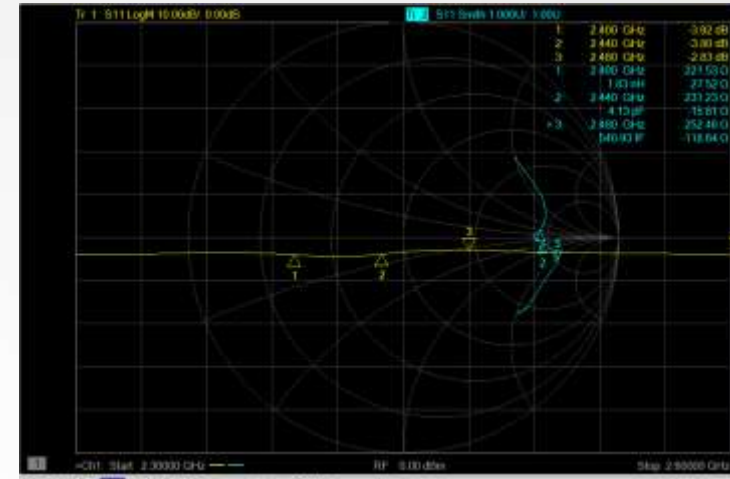


天线效率测试点
Test point

S11及OTA结果 S parameter & OTA performance

Freq. /MHz	S11 /dB
2400	-3.92
2440	-3.8
2480	-2.83

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2390.00	-1.40	-8.13	15.39
2400.00	-1.06	-7.99	15.88
2410.00	-0.79	-7.93	16.12
2420.00	-0.69	-8.01	15.80
2430.00	-0.93	-8.26	14.94
2440.00	-0.64	-8.38	14.51
2450.00	-0.59	-8.47	14.22
2460.00	-0.51	-8.42	14.39
2470.00	-0.53	-8.44	14.32
2480.00	-0.66	-8.41	14.43
2490.00	-0.77	-8.40	14.44





/ THANKS /

|Proactive | Team Work|