

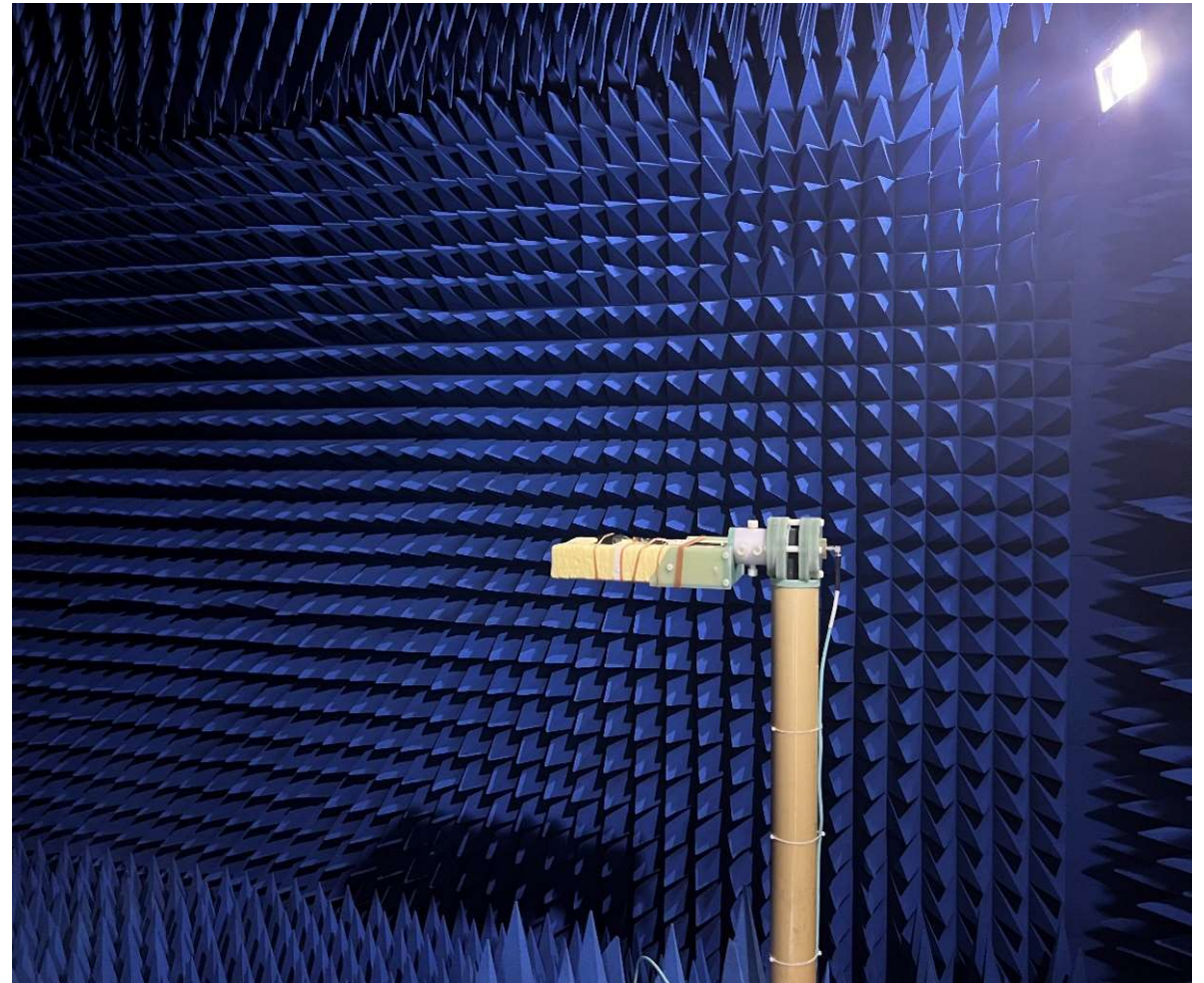
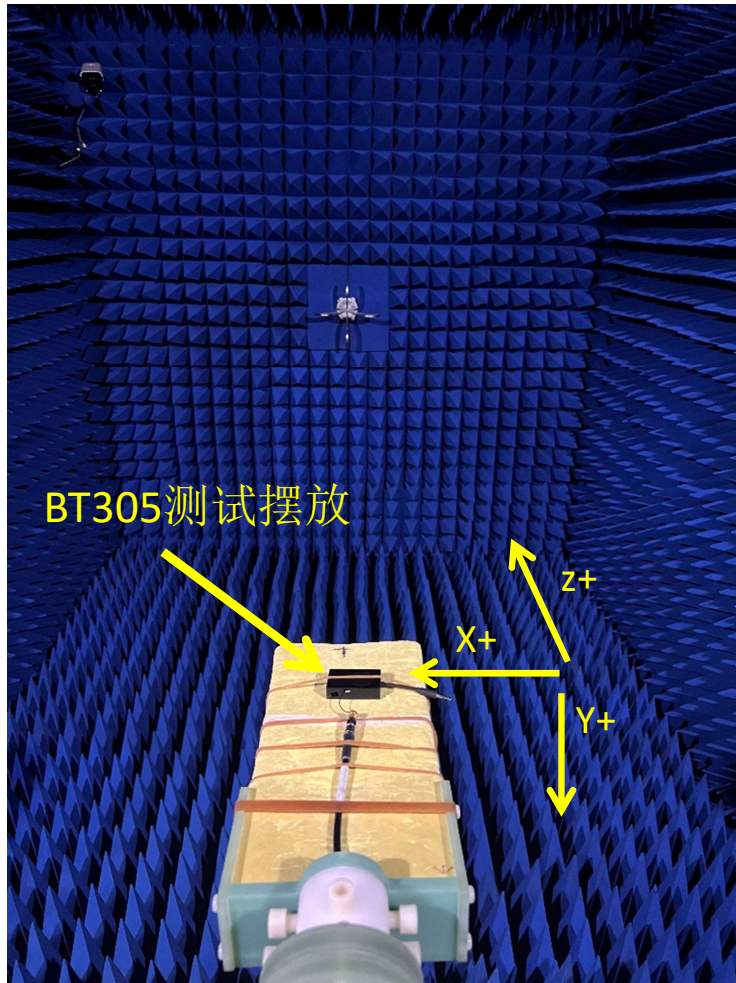
深圳市福伯特电子有限公司



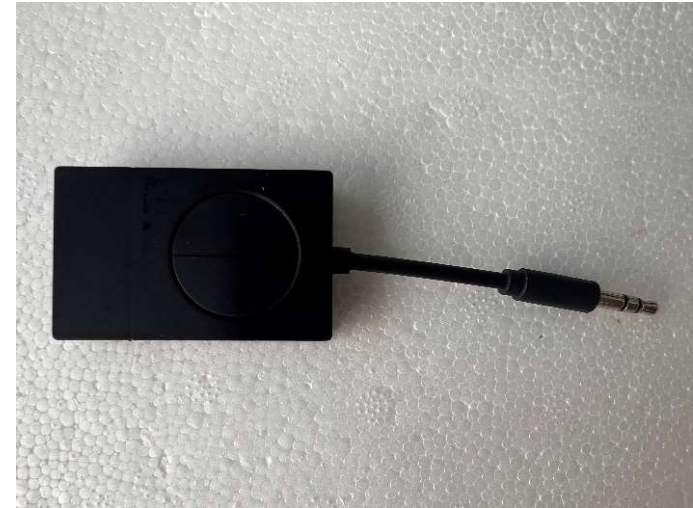
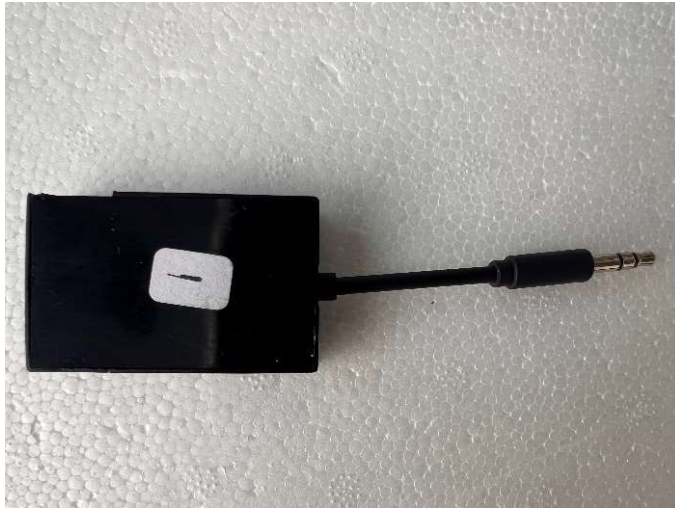
BT305 BT天线性能报告

项目名称	BT305	
天线工程师	熊工	
联系方式		
报告版本及日期	2025/6/19	
测试设备	CMW500	
机器状态	样机类型	试产版
	天线版本	
	其他	

测试场景 Test Scene



项目样机展示 Project prototype display



天线安装 Antenna installation

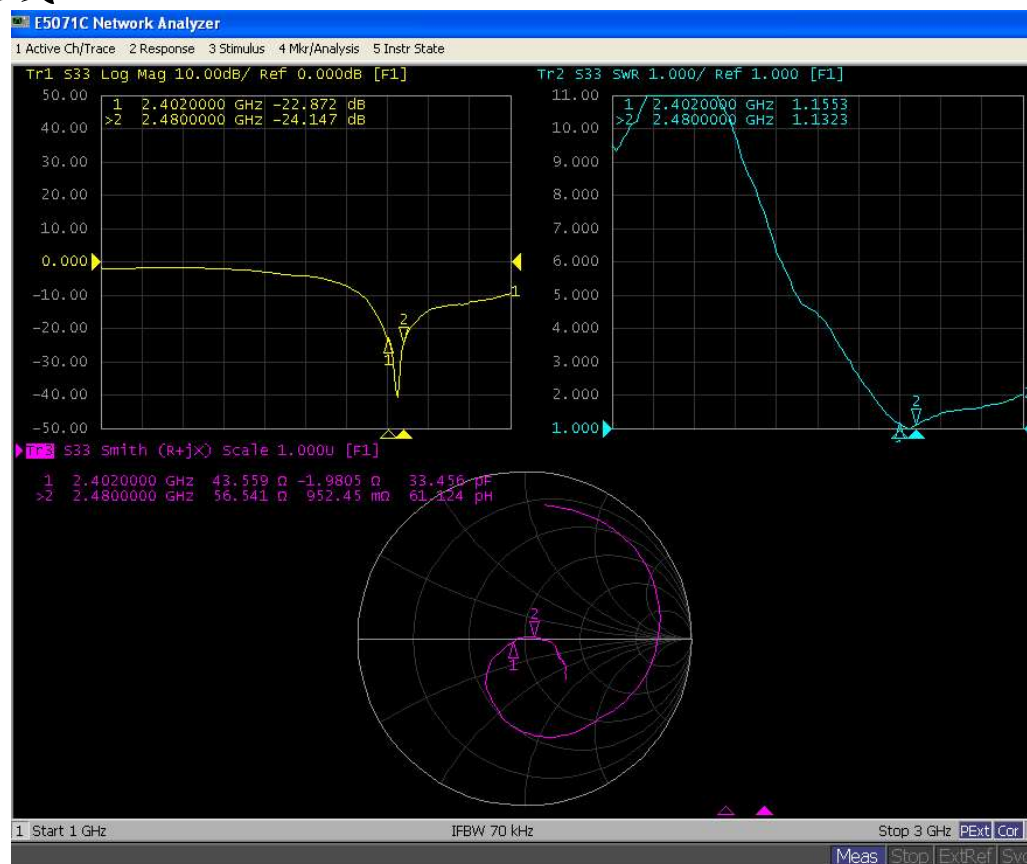


BT天线



S11测试 S11 Test

BT天线



Freq	2402Mhz	2480Mhz
VSWR	1.15	1.13
Log Mag	-22.87	-24.14

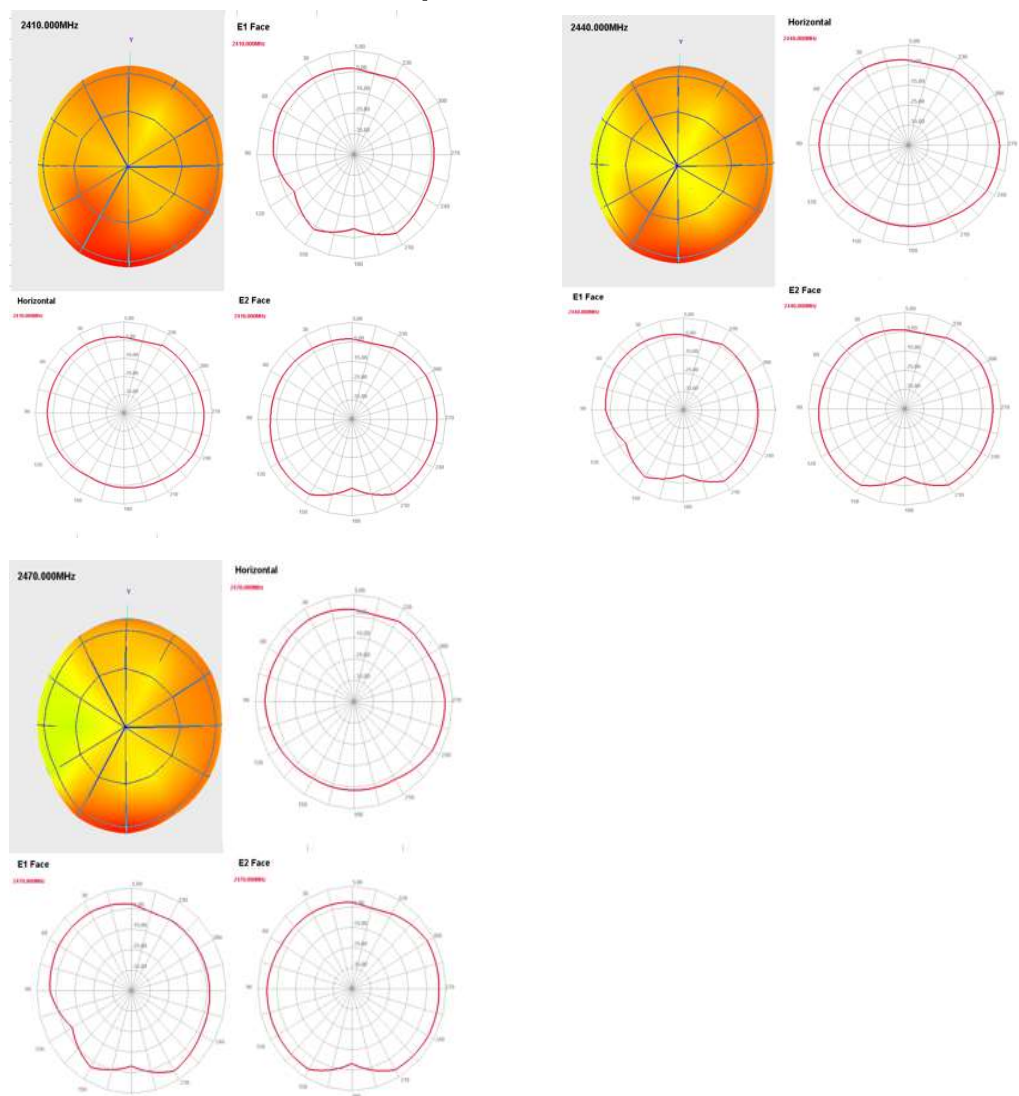
无源测试数据 Passive test data



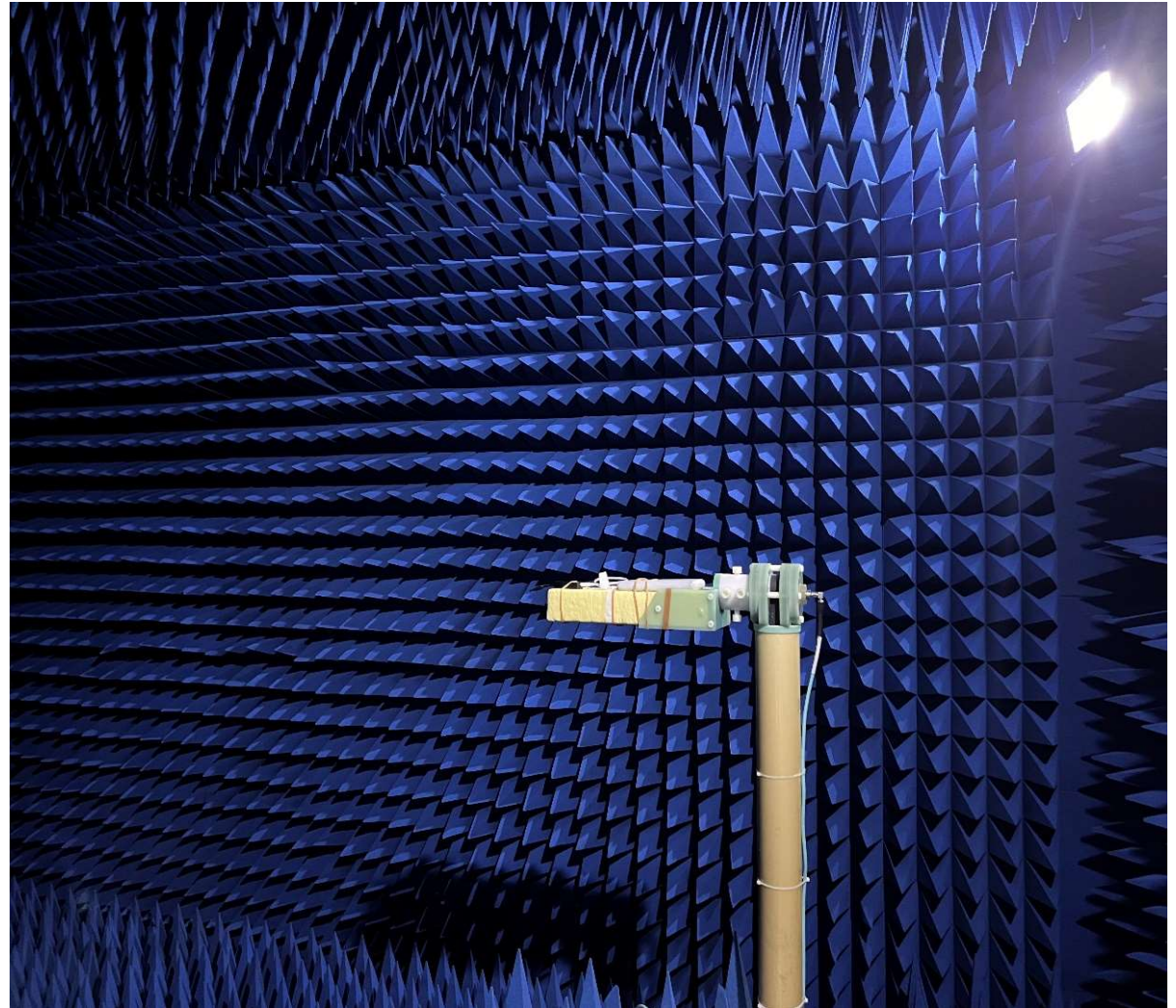
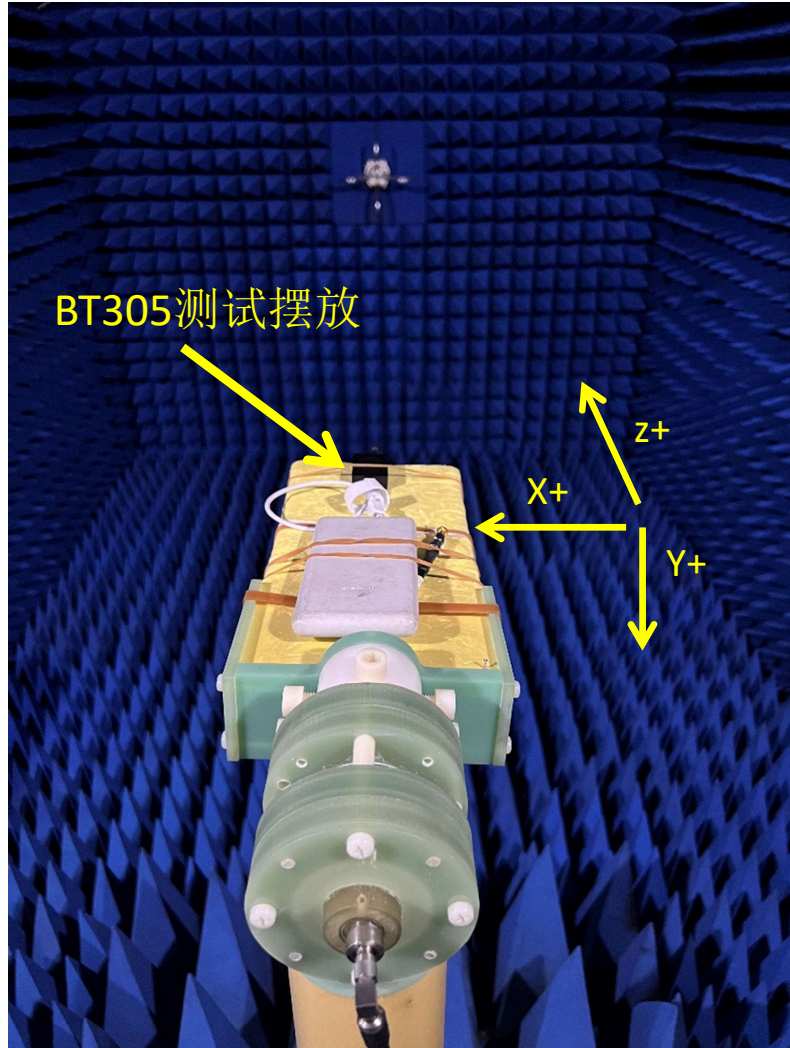
BT天线

Frequency/ Mhz	Efficiency / %	MaxGain/ dBi
2400	55.25	-0.54
2410	53.51	-0.85
2420	53.56	-0.92
2430	58.11	-0.63
2440	61.26	-0.36
2450	66.74	0.1
2460	64.44	0.1
2470	62.29	0.24
2480	61.64	0.48

2D /3D Radition pattern



OTA测试场景 OTA Test Scene



有源测试数据 Active test data

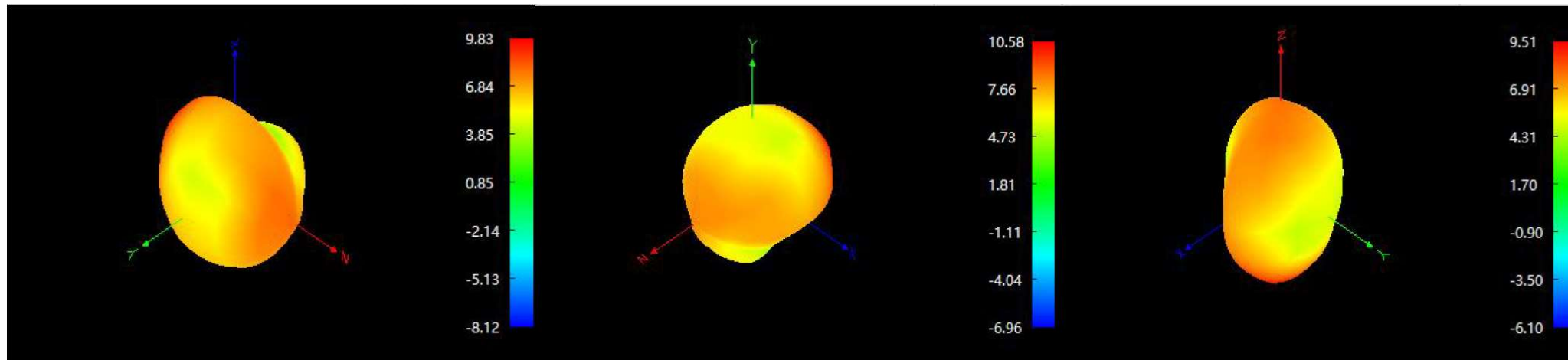


Item	Measurement	Channel	Frequency	Total
1	TRP	0	2402	6.44
2	TRP	39	2441	6.71
3	TRP	78	2480	6.68
4	TIS	0	2402	-90.16
5	TIS	39	2441	-90.51
6	TIS	78	2480	-90.18

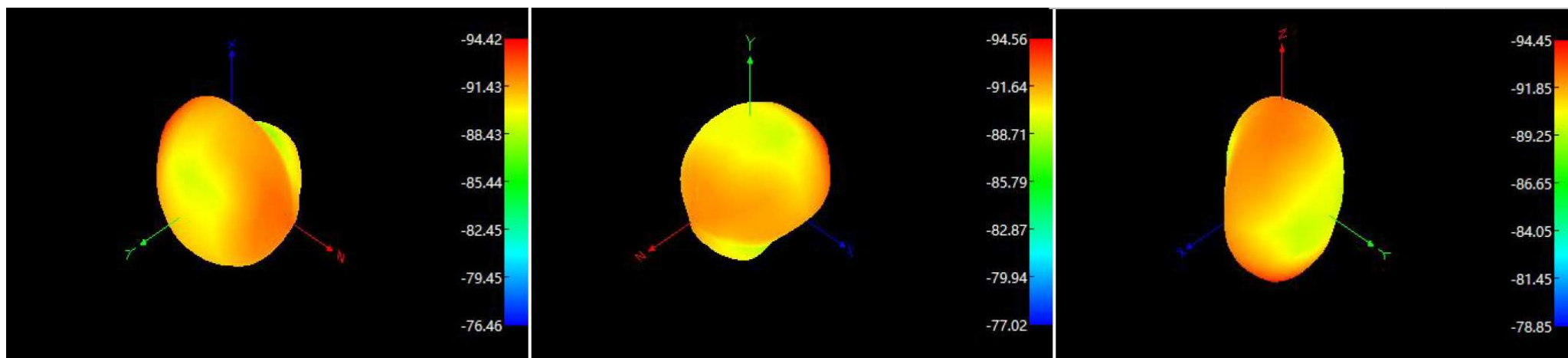
有源测试数据 Active test data



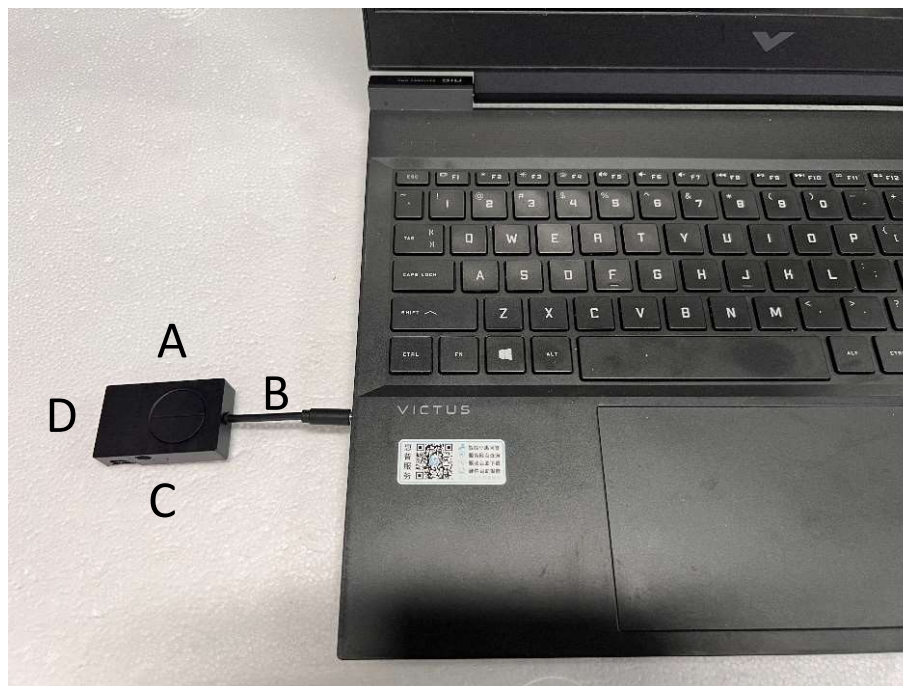
TRP 3D Radition pattern



TIS 3D Radition pattern



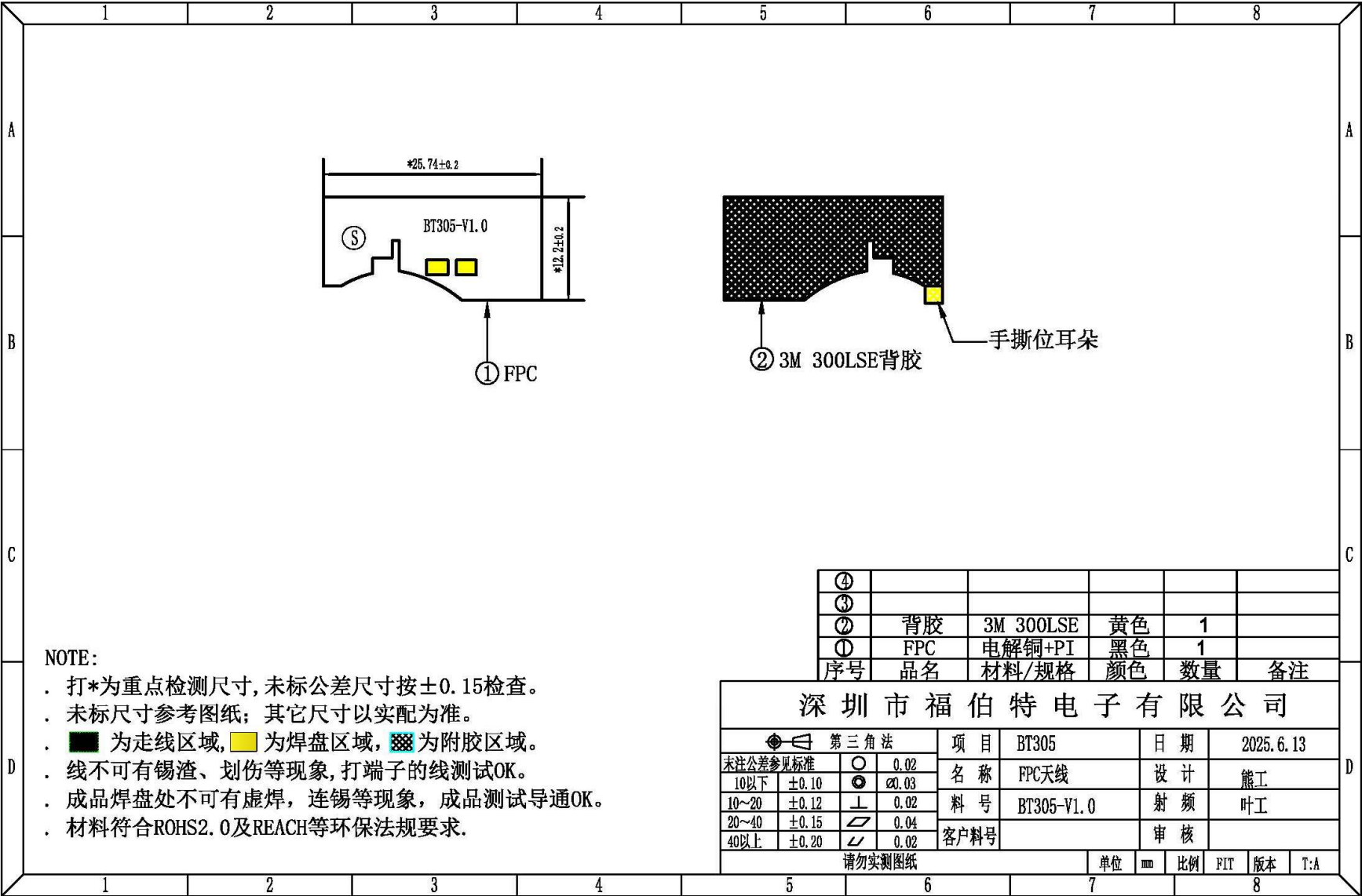
实测拉距 Measured drawing distance



连接蓝牙耳机测试拉距，笔记本播放音乐，测试人员佩戴耳机做移动拉距距离测试。

BT305设备	A面 (米)	B面 (米)	C面 (米)	D面 (米)
1号机器	20.5	19.2	18	18.6

天线图纸 Antenna Diagram



结论 Conclusion



BT305的BT天线无源、有源性能都很好，实测距离也达到客户要求。



谢谢，合作愉快！

Thank You!

The Concepts National Income And National Product Have Roughly
The Same Value And Can Be Used Interchangeably If Our Interest Is In
Their

