

BT Antenna Test Report



Customer	绿联
Project	TS252B(S6充电盒)
Product Description	

Report Date	2024.11.1	Prepared by	Hao_li
Report Version	V2	Checked by	

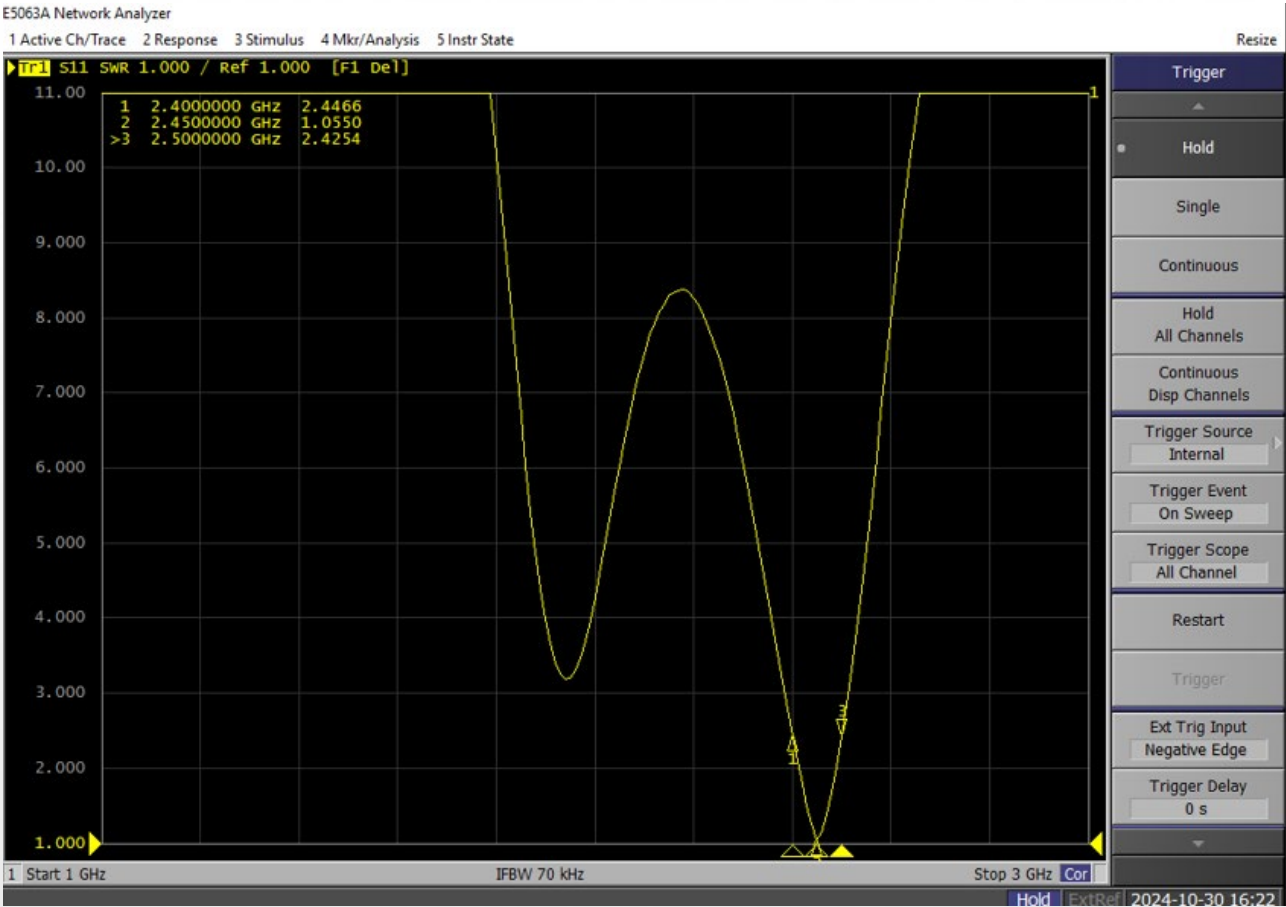
I. Test Condition

II. Test Result

III. Conclusion

II. Test Result

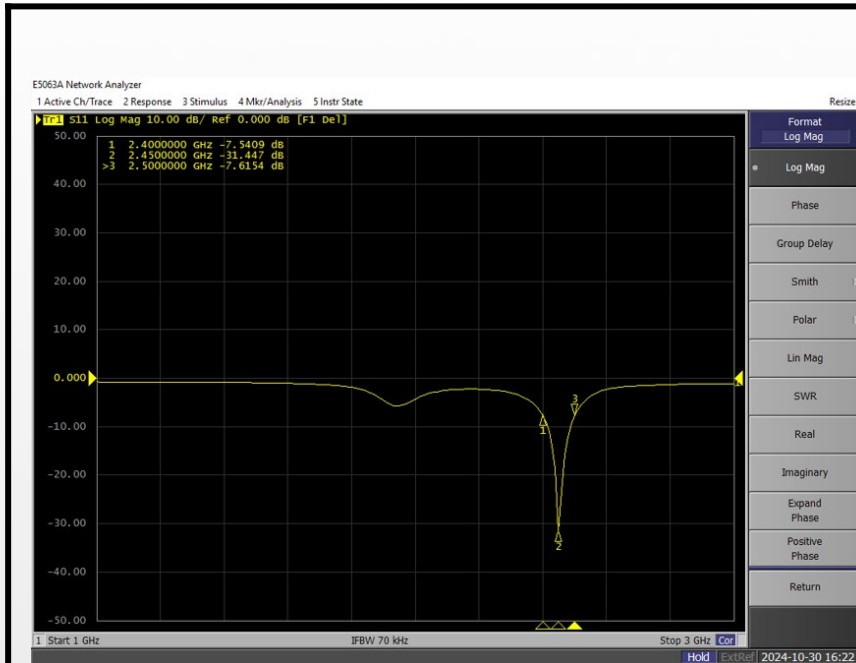
2.1 Antenna VSWR



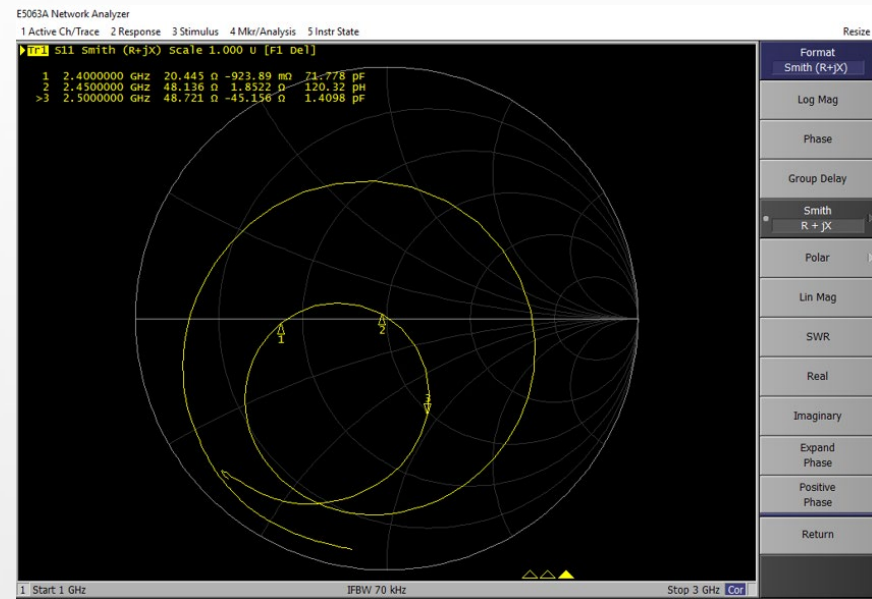
Frequency (MHz)	2400	2450	2500
VSWR	2.4	1.05	2.42

II. Test Result

2.2. Antenna S-Parameter



Return loss

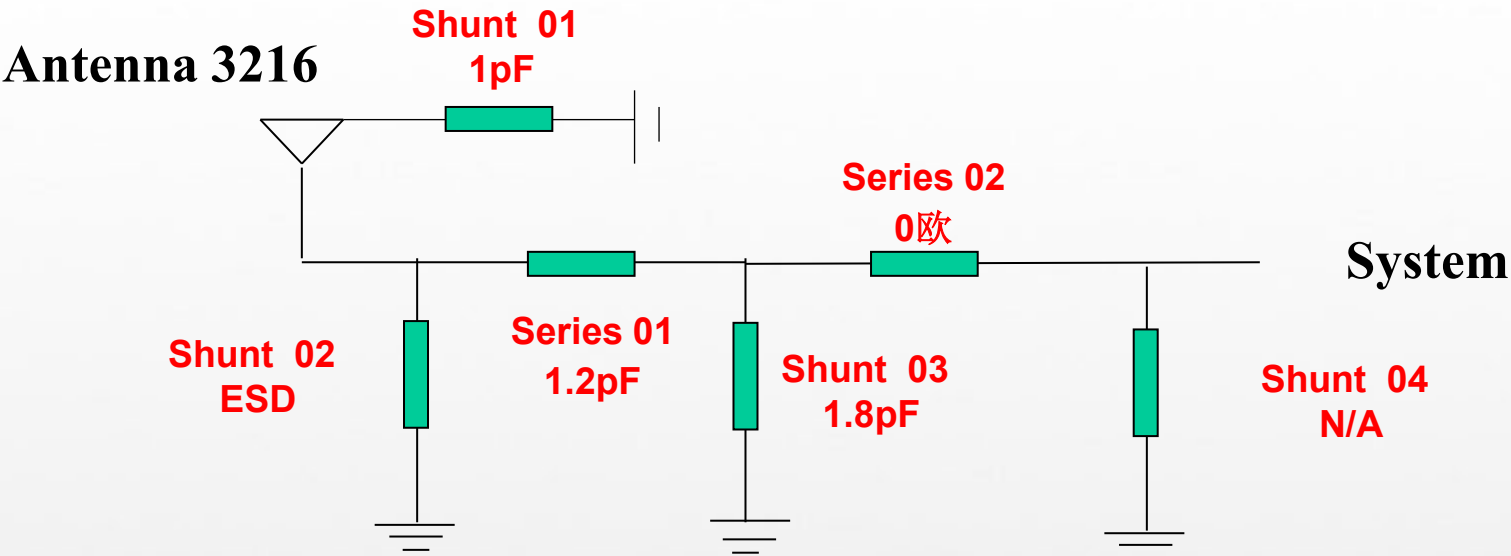


Smith-Chart

II. Test Result

2.3 BT Antenna Matching

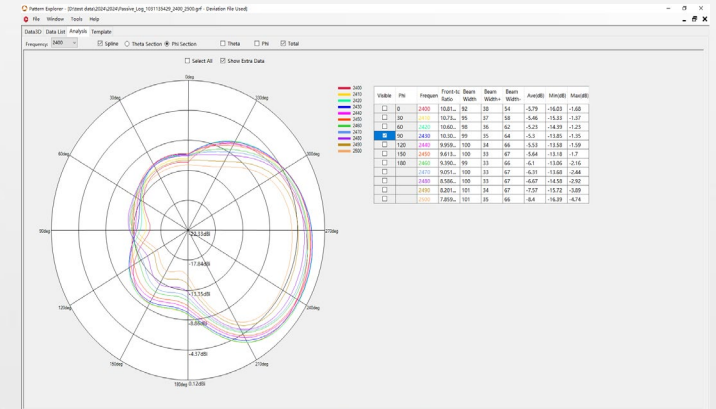
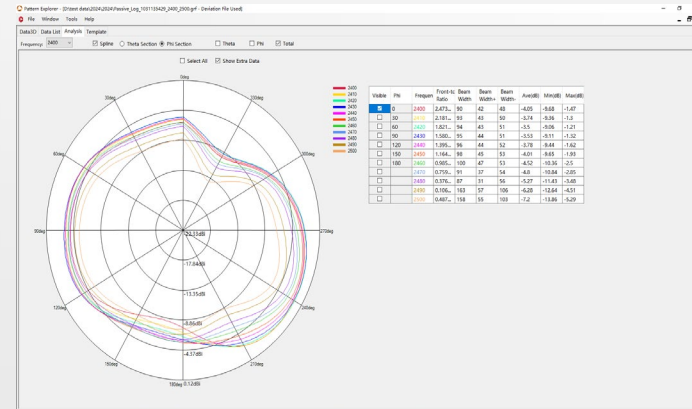
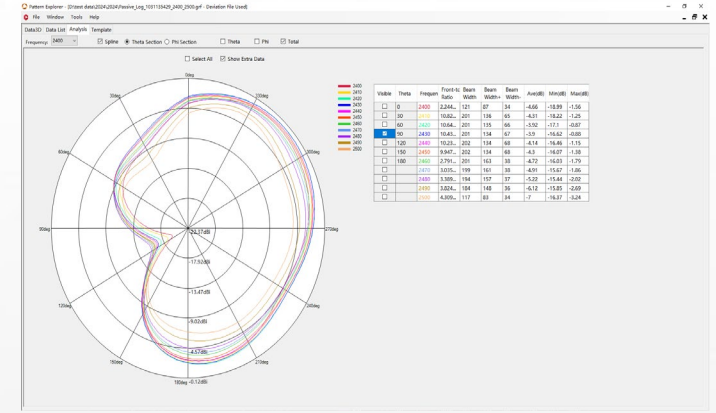
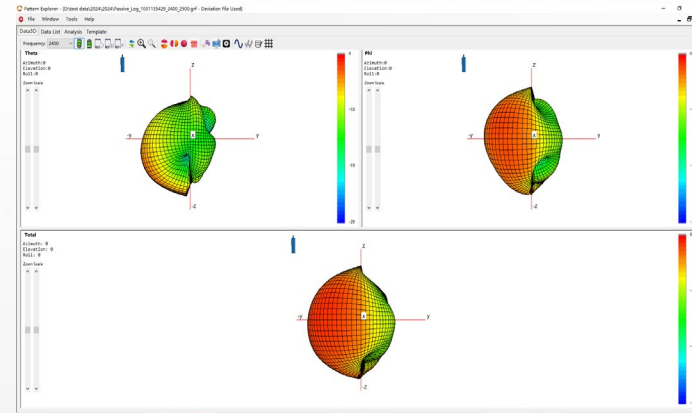
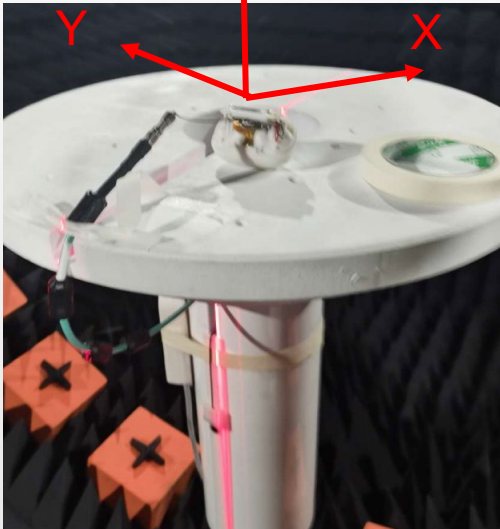
TS252B(S6充电盒最新版本)



Location	Description	Vendor
Series 01	1.2pF	Murata(精度1%)
Series 02	0Ω	Murata
Shunt 01	1pF	Murata(精度1%)
Shunt 02	ESD	/
Shunt 03	1.8pF	Murata(精度1%)

II. Test Result

2.4 2D/3D Gain Pattern



2.5 Antenna Active (OTA)

TS252B(S6充电盒)

Test Project	TS252B(S6充电盒)		
Channel	0	39	78
Frequency (MHz)	2402	2441	2480
TRP(dBm)	5.3	6.4	4.8
TIS(dBm)	-85.6	-88.7	-86.4

2.6 Efficiency And Peak Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	30.9	-0.5
2420	35.5	-0.1
2440	33.6	-0.5
2450	32.4	-0.8
2460	29.1	-1.3
2480	27.3	-1.8
2500	27.2	-1.6



悦尔之声 连接世界

Connecting the world with Swetz Sound

The End