

BT Antenna Test Report

深圳市恒利永通电子有限公司

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Customer	中河
Project	S6
Product Description	Chip 3216

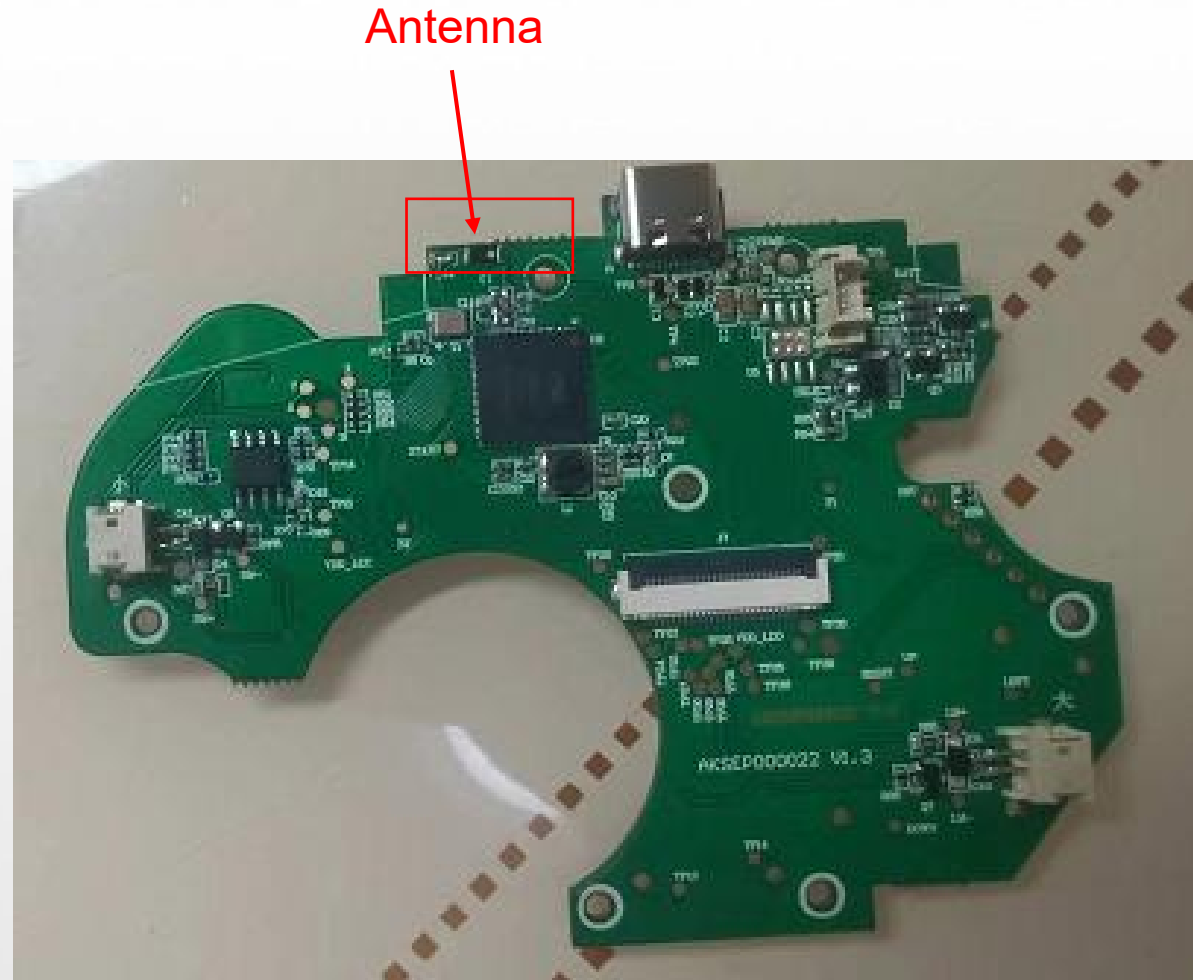
Report Date	2023.4.5	Prepared by	Hao_li
Report Version	V0	Checked by	

Introduction

I. Test Condition

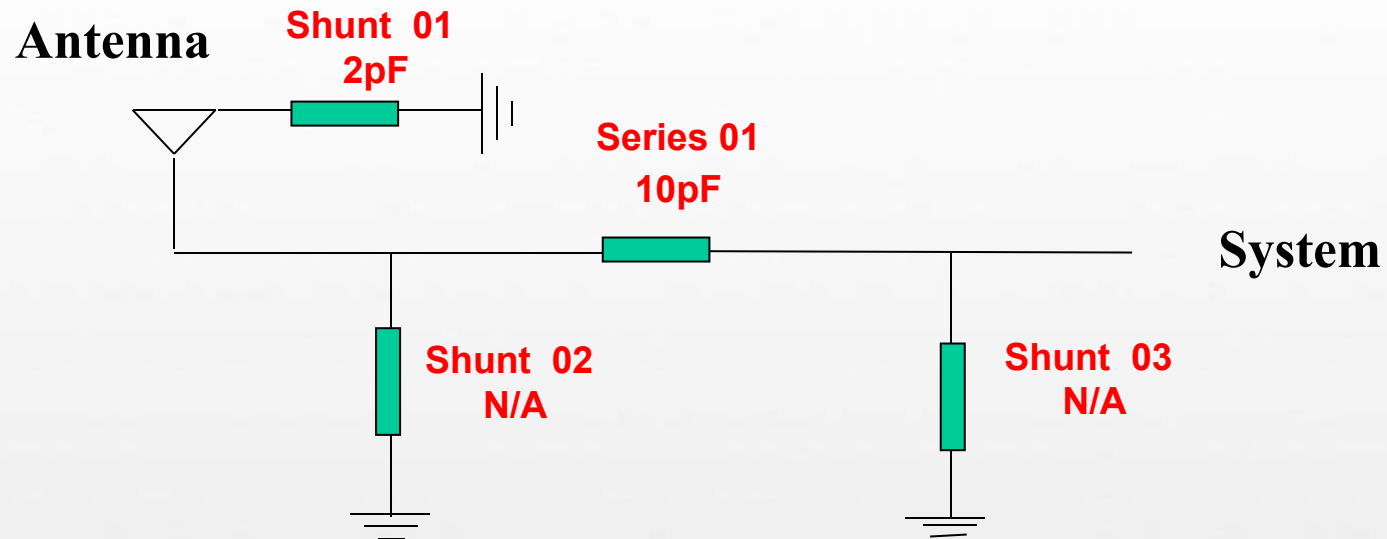
II. Test Result

I. Test Condition



II. Test Result

2.1 BT Antenna Matching



Location	Description	Vendor
Shunt 01	2pF	Murata
Series 01	10pF	Murata
Shunt 02	N/A	N/A
Shunt 03	N/A	N/A

II. Test Result

2.2. Patch Antenna S-Parameter



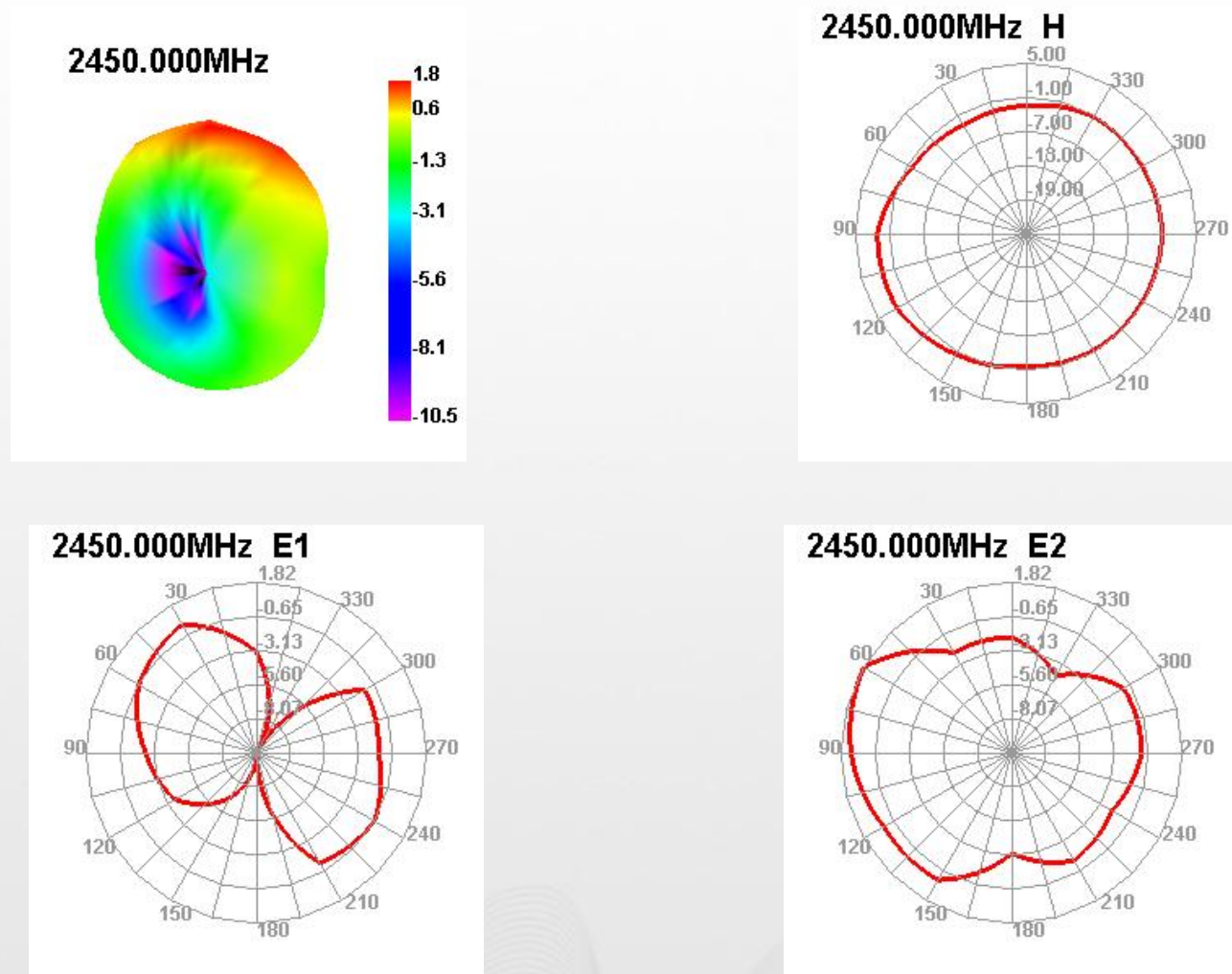
Return loss

Smith-Chart

Frequency(MHz)	Return loss (dB)	Impedance (Ω)
2400	-9.04	32.28
2450	-32.65	52.32
2500	-10.89	28.12

II. Test Result

2.3. Patch Antenna S-Parameter



II. Test Result

2.4 Efficiency And Peak Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	44.23	1.37
2420	48.43	1.45
2440	49.35	1.46
2450	50.15	1.57
2460	49.18	1.79
2480	47.16	1.54
2500	45.24	1.42



The End