

Antenna Specification

1 PRODUCT INFORMATION

1.1 Manufacturer Information

Manufacturer	Shenzhen Changtai Fuyuan Electronics Co., LTD
Address	3rd Floor, Building G, No. 2070, Jincheng Road, Haoxiang Community, Shajing Street, Baoan District, Shenzhen

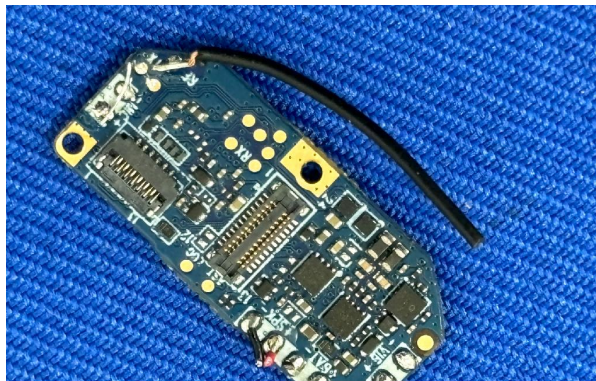
1.2 General Description for Equipment under Test (EUT)

Model Name Under Test	2.4G BT-ANT
Antenna Type	Wire Antenna
Dimensions	25mm*0.4mm
MAX. Gain	4.59dBi
Antenna Type	Wire

1.3 Technical Information

Frequencies	2400~2500MHz
Test Frequencies	2400MHz, 2410MHz, 2420MHz, 2430MHz, 2440MHz, 2450MHz 2460MHz, 2470MHz, 2480MHz, 2490MHz, 2500MHz

1.4 Antenna shape

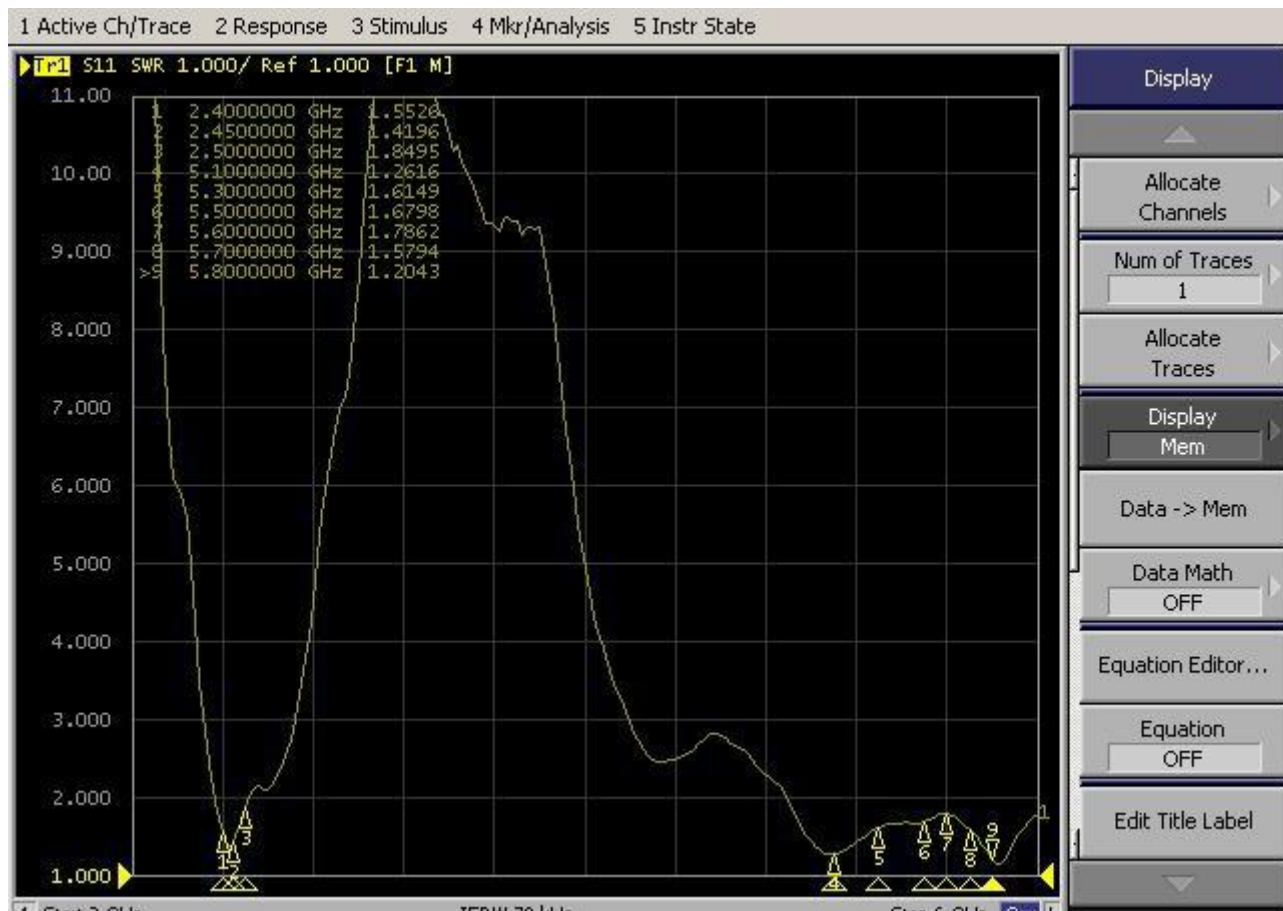


Tested by: Luo Youning

Checked by: Li Chenjia

Approved by: Sally Yu

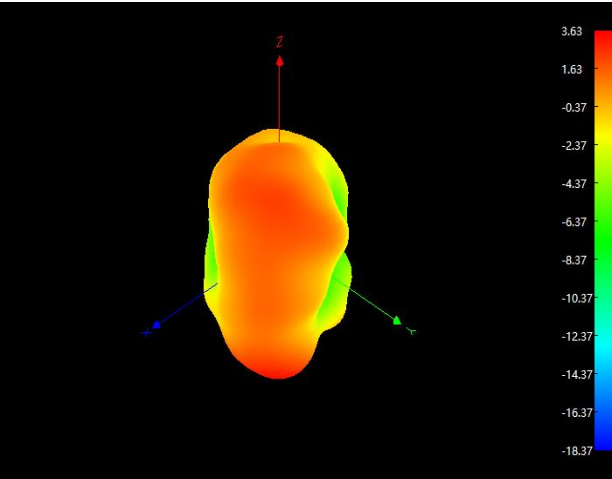
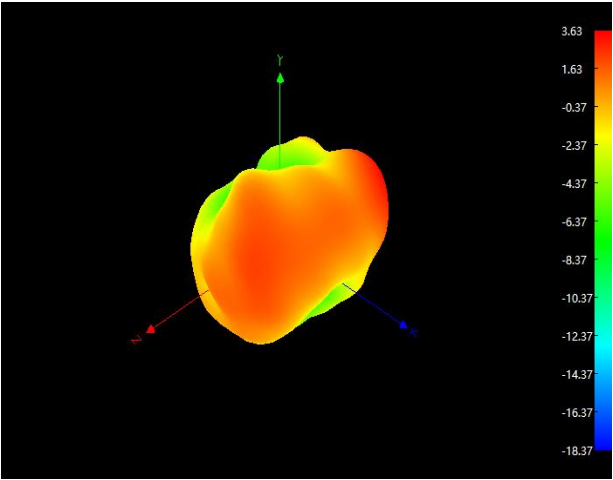
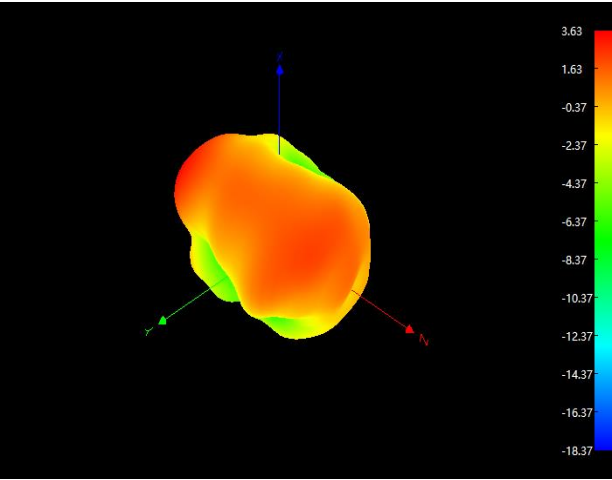
2. Antenna performance



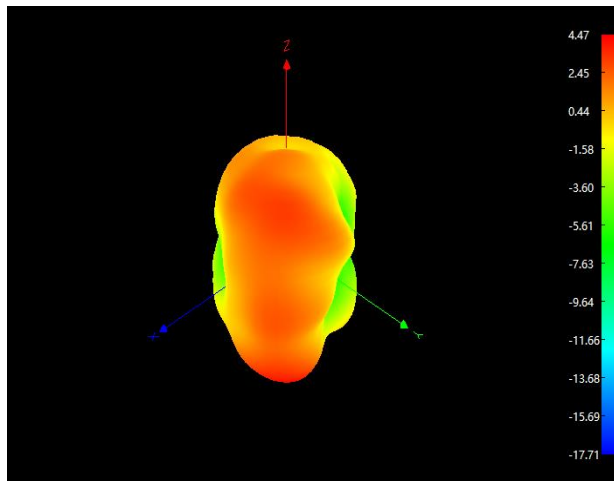
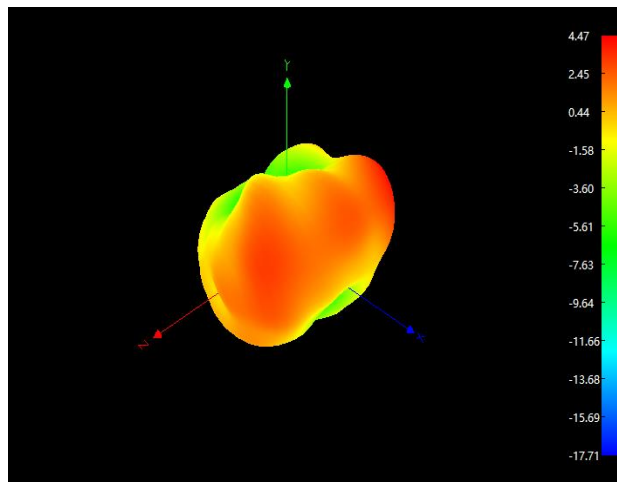
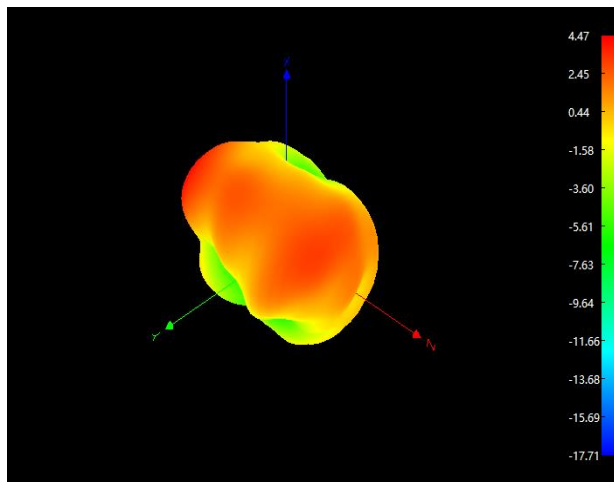
3. Antenna Gain and Efficiency

Frequency /	Gain/ dB
2400	3.63
2410	3.69
2420	3.84
2430	3.94
2440	4.22
2450	4.47
2460	4.57
2470	4.57
2480	4.49
2490	4.55
2500	4.59

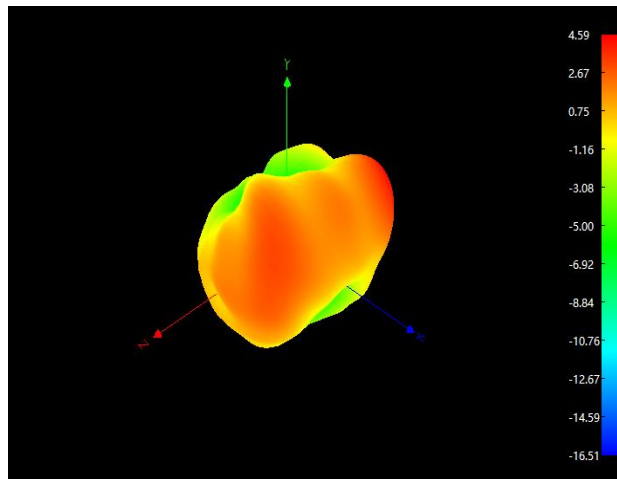
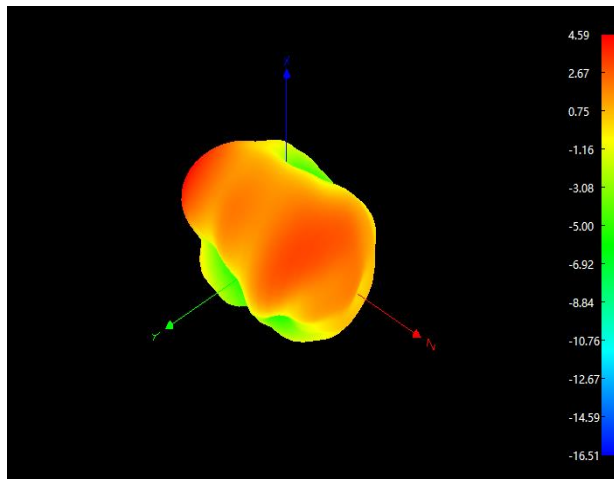
2400MHz

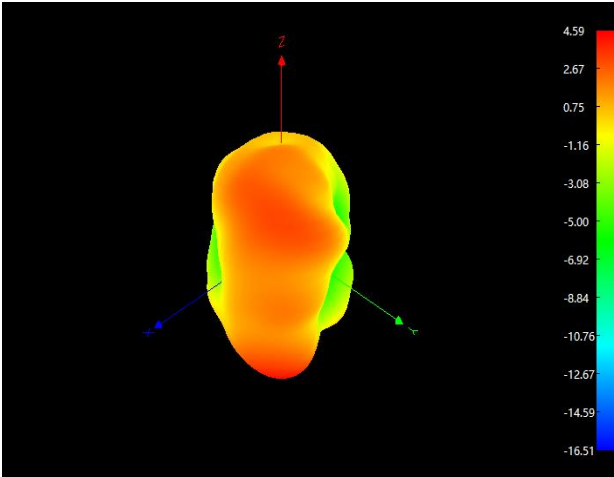


2450MHz

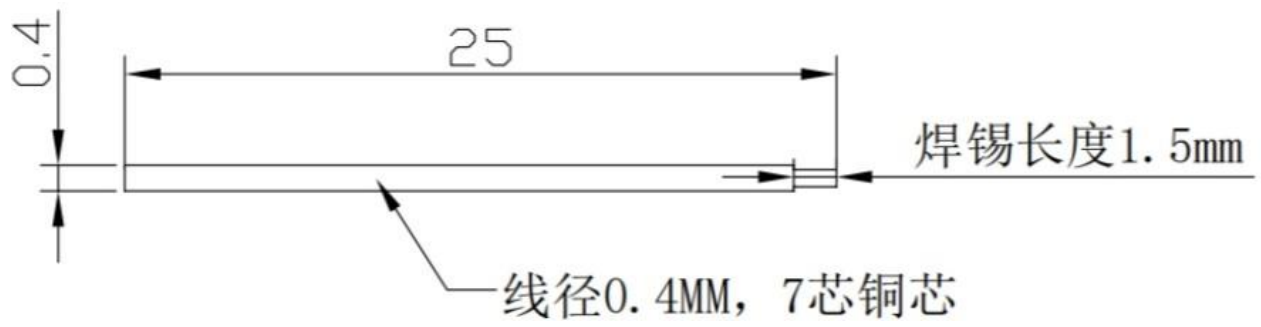


2500MHz





4.ANT SIZE (UNIT MM):



RF113 规格

1. 适用范围
- 本规格书制定了电线的结构和电气特性

1. Scope
- This specification covers the construction and the electrical properties of wire.

同轴线
AWG 32

Coaxial Wire
AWG 32

2. 结构/Construction

单位/Unit: mm

项目/Item		单位/Unit	详细资料/Details
Conductor 导体	材料/Material	-	绞合镀银铜丝 Silver-coated copper wire
	构成/Composition	(No./mm)	7/0.08
	外径/OD.	mm	0.24
	绞向/Orientation	-	S
Insulation 绝缘层	材料/Material	-	FEP(进口料)
	绝缘颜色/Insulation color	-	本色/Natural
	标称绝缘厚度/ Nom. Thickness	mm	0.22
	绝缘线径/OD.	mm	0.69
Braid Shield 编织	材料/Material	-	镀锡铜丝 Tinned copper wire
	构成/Composition	(No./mm)	16/4/0.05
	编织密度/Coverage	(%)	>=90
Jacket 外被	材料/Material	-	FEP
	标称绝缘厚度/ Nom. Thickness	mm	0.12
	外径/OD.	mm	1.13±0.10

3. Electrical Properties (at 20℃) /电气特性(20℃时)

项目/Item	单位/Unit	详细资料/Details
导体电阻/Conductor Resistance	Ω/km	571 (Max.)
绝缘电阻/Insulation Resistance	MΩ • km	100 (Min.)
耐压强度(AC)/Dielectric Strength(AC)	V/ 1 Min	500
特性阻抗/Impedance	Ω	50±3
耐温等级/ Temperature	℃	200
额定电压/rated voltage	V	30

4. 电线截面图示如下:

