

Specifications

for

TT-6000 BT antenna

Customer part number

02.40030047

Material No.

WYT-BT-F-0001

Prepared by: Zeng Xiaofeng

Reviewed

by: Li Ming Date:

September 17, 2022

**Shenzhen WYT
Technology Co., Ltd.**

West 508, Building 64, Jinlong
Industrial City, Majialong, Nanshan
District, Shenzhen City

Mailbox **649945563@qq.com**

Tel: 139 2650 2297

Catalog

Specifications

**Shenzhen Weiyoute
Technology Co., Ltd.**

Catalog

1. Confirmed by both parties

2. General matters

**3. General product
specifications**

4. Product specification details

4.1 Product structure

**4.2 Product electrical
performance test data**

5. Product packaging method

6. Document History

1. Confirmed by both parties

1.1 customer confirmation

Customer

Customer	Signature of	Date of confirmation
Hardware/RF		
Structure		
Project Manager		
Business/Procurement		
Audit		

1.2 WYT confirms

Department/Position	Signature of	Date of confirmation
Antenna engineer		
Structural engineer		
Project Manager		
QA		
Audit		

2. General matters

2.1 Scope of application

2.4G/5.8G WIFI antenna

2.2 Operating temperature range

The operating temperature range of this product is $-20 \sim +65^{\circ}\text{C}$

2.3 Storage temperature range

This product is stored at $-30 \sim +75^{\circ}\text{C}$

3. General product specifications

NO.	ITEMS	DETAILS
1	Model	STB1-BT
2	Frequency band	2400-2500MHz
3	VSWR	≤ 1.3
4	GAIN	3dBi
5	Resistanc	50Ω
6	Antenna class	Single Pole
7	Antenna solid	FPC
8	Antenna picture	

4. Product specification details

4.1 Product structure parameters

4.11 Appearance

The appearance of the product is good, and there are no defects that seriously affect the appearance, such as scars, sweat marks, protrusions, etc.

4.12 Structural dimensions

Refer To
product

4.2 Product electrical performance test data

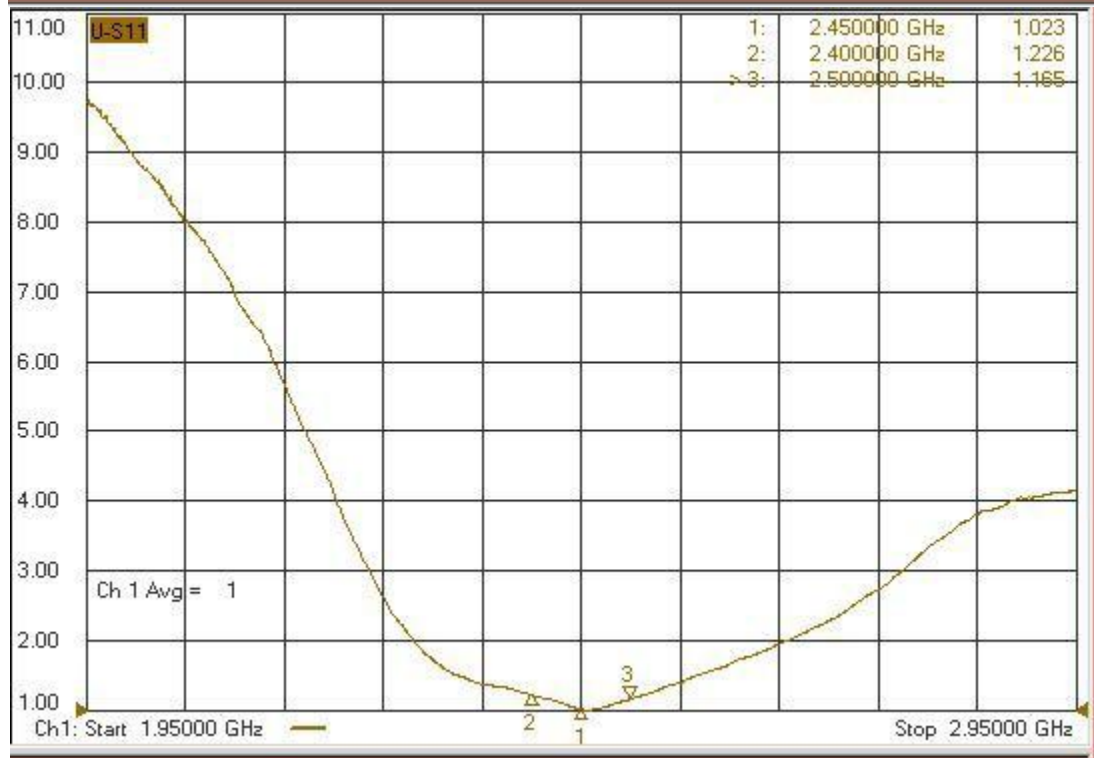
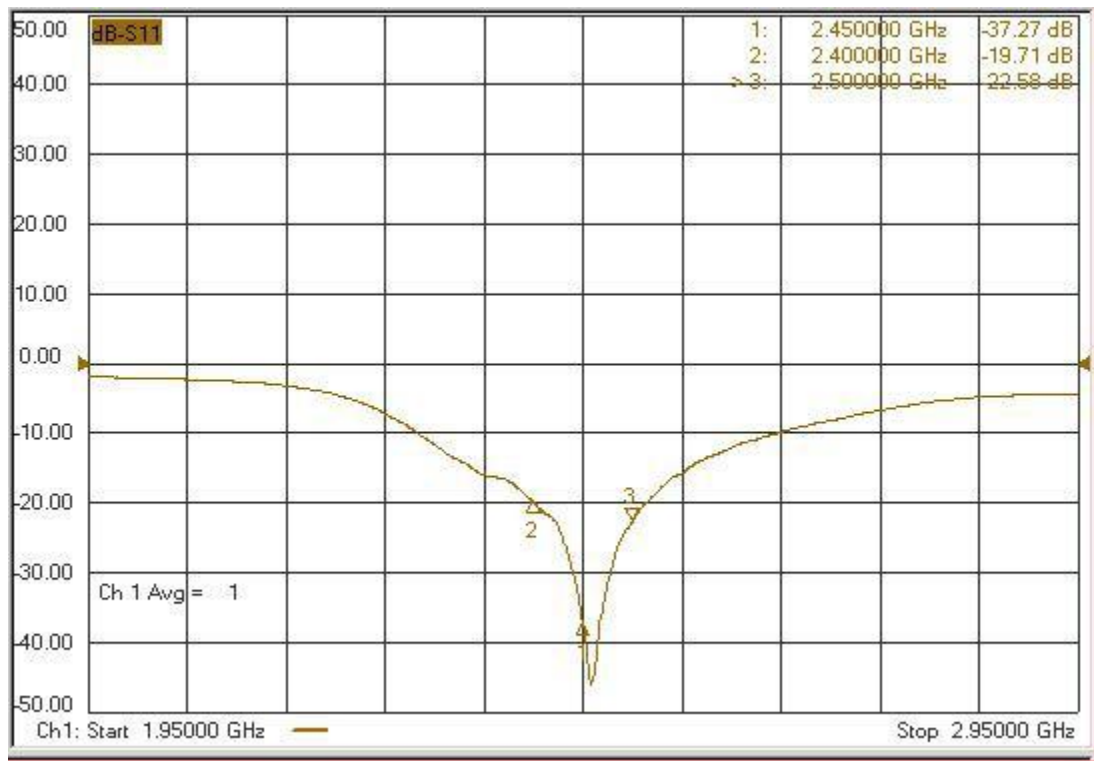
4.21 Test environment and instruments and equipment

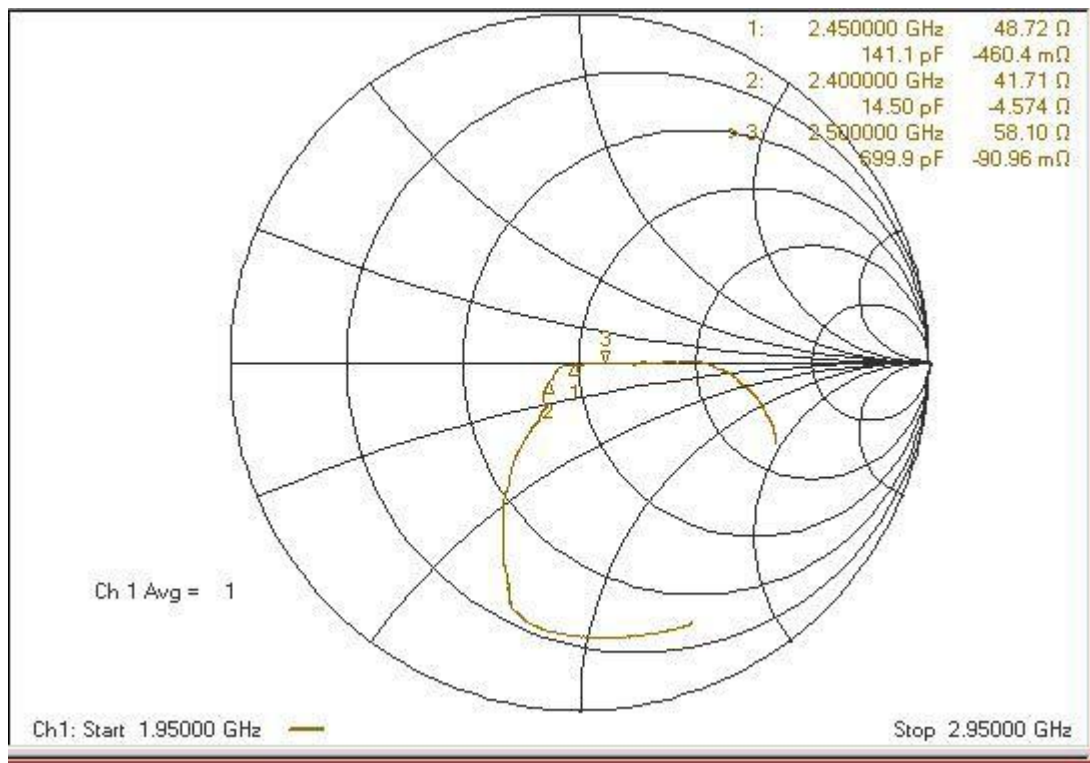
Test environment: Temperature 10℃——+30℃ Relative humidity: ≤ 80% (+ Atmospheric pressure: 750mmkg ± 30mmkg	Test equipment: HP8753D network analyzer ETS Microwave Anechoic Chamber
--	---

4.22 Product electrical performance test data:

S1 1 diagram of the product:
(Single antenna test is not in the whole machine)

Marker	2400MHz	2450MHz	2500MHz
Returnloss	-19.7	-37.2	-22.6
VSWR	1.2	1.0	1.1

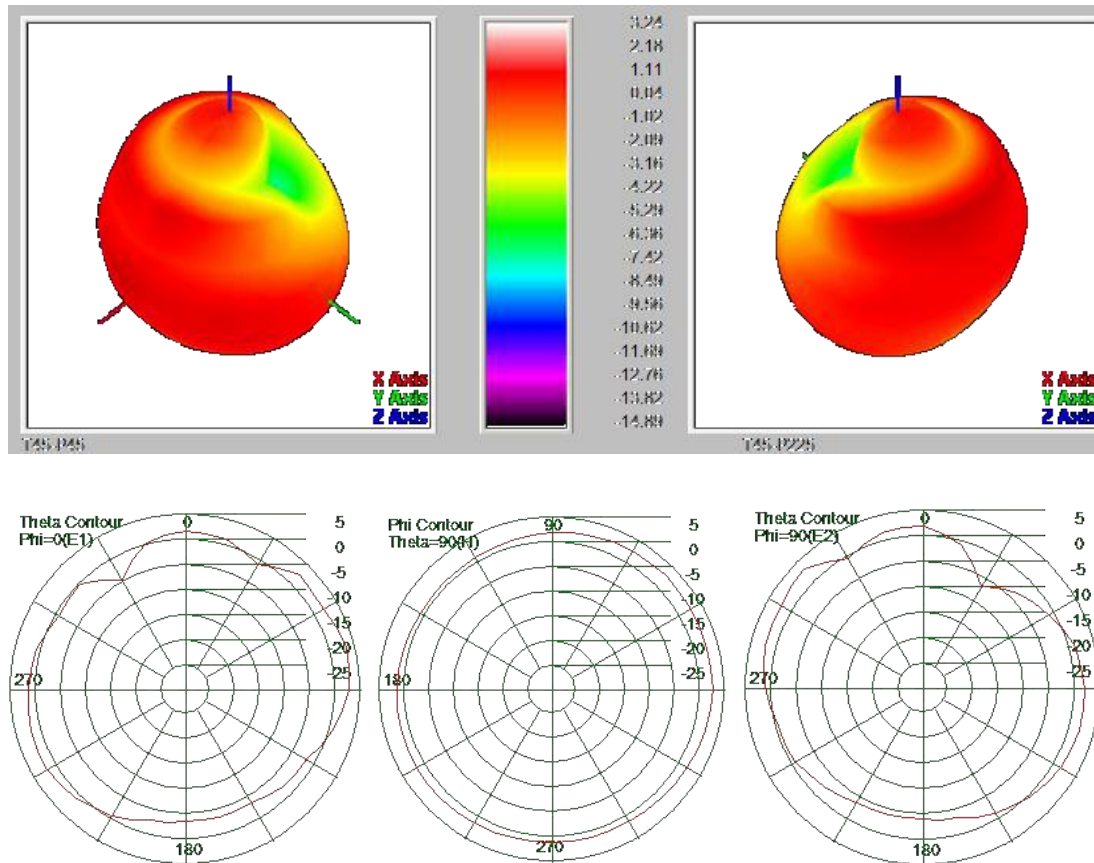




4.22.2 Gain, efficiency and radiation pattern

Frequency(MHz)	Gain(dBi)	Efficiency (%)
2400.0	1.95	59.7%
2410.0	1.86	57.4%
2420.0	1.84	56.0%
2430.0	2.32	66.2%
2440.0	2.37	66.3%
2450.0	3.24	74.0%
2460.0	3.05	71.1%
2470.0	2.55	68.7%
2480.0	2.51	67.1%
2490.0	2.12	62.2%
2500.0	1.87	59.1%

4.22.3 Radiation pattern: frequency 2450MHz



5. Product packaging method

Packing method:

Packed in self-sealing bags, 200 PCS per pack.

6. Document History

Document number Document No.	
Date Release Date	2022/09/17
Compilation Author	Hungjie
Review Review	WH

File history table

Revised History

Date	Version	Revised Record
2022/09/17	1.00	New Project