

# SPECIFICATION

## SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER(客户名称)	Anker
CS P/N(客户机种)	T8506
PART NAME(品名)	WIFI Antenna
Antenna Type(天线类型)	FPC+CABLE
FREQUENCY(频率)	2.4-2.5GHz
ANTENNA MANUFACTURER (天线制造商)	Shenzhen ZTX Communication Technology Co., Ltd
ZTX NO.(物料编号)	WIFI: 2.00006176, BT: 32029001953
DATE(日期)	2023-06-16

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注): \_\_\_\_\_

Sign(客户确认签字盖章):

MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER



Shenzhen ZTX Communication Technology Co., Ltd

Address: No.34, Shilong Avenue, Shiyan Town, Baoan District, Shenzhen City (Tengda Industrial Park)  
Postcode: 518000 Tel: 0755-27588320 Fax: 0755-27588045 <http://www.chinaztx.com>

# ANTENNA SPECIFICATION

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ZTX P/N : T8506 WIFI Antenna

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## Revision history

NO	Date	
		The first edition
A1	2023-06-16	Alpha release

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# ANTENNA SPECIFICATION

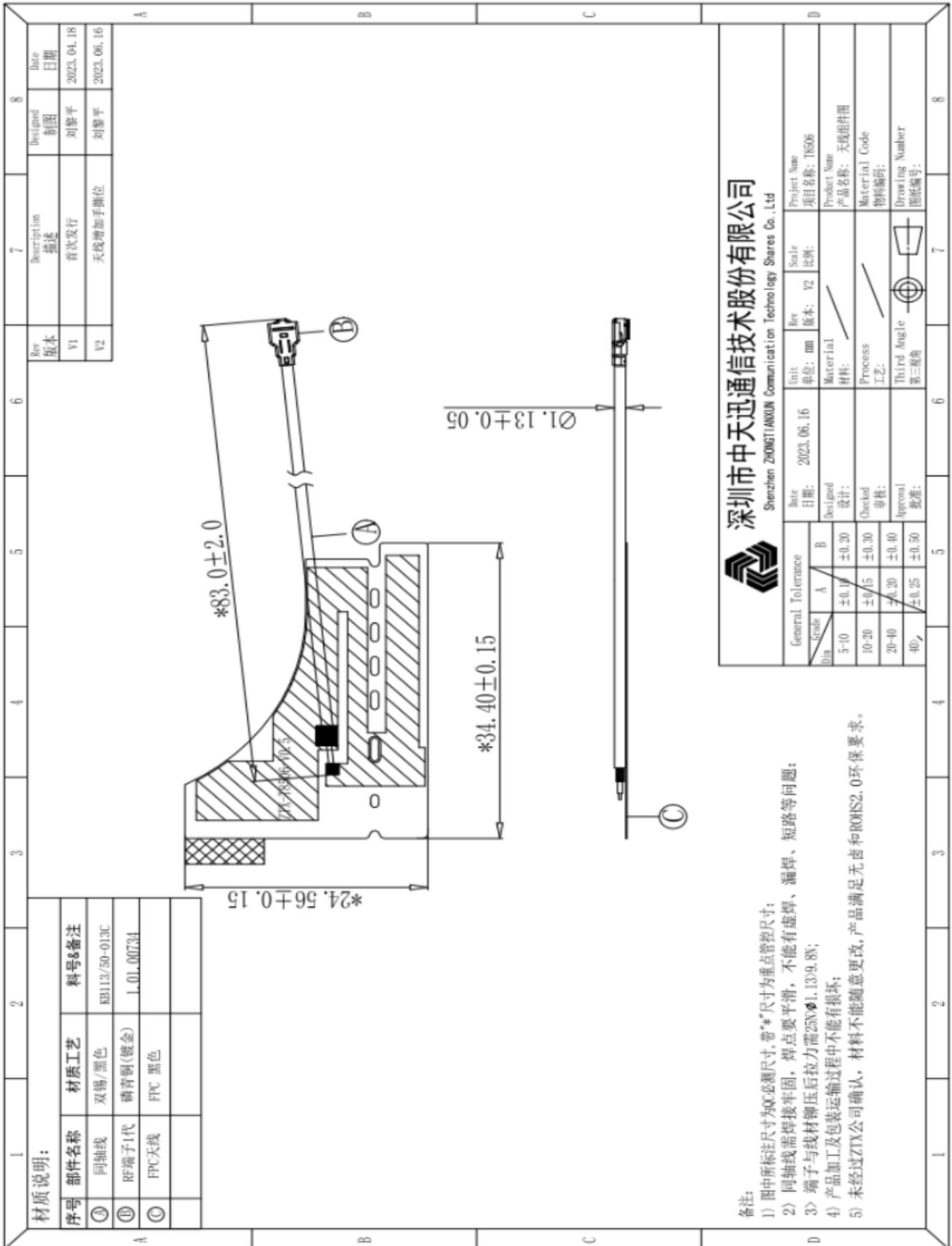
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## 1. Mechanical Specification

### 1. Mechanical Configuration (T8506 WIFI Antenna)



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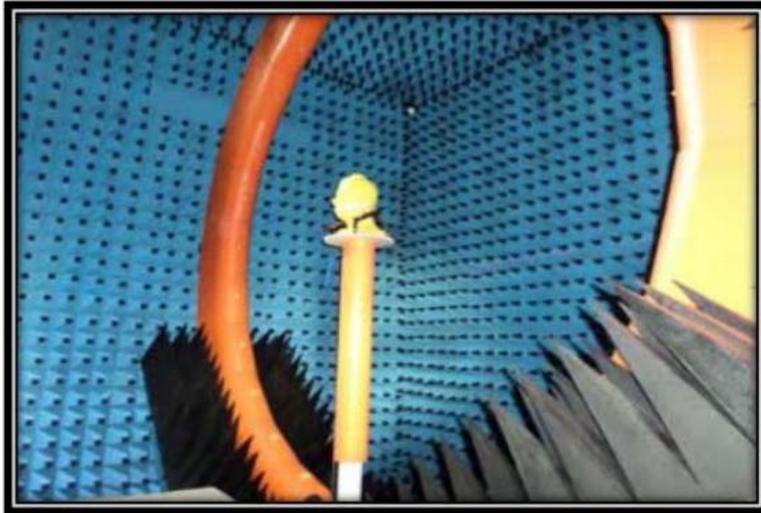
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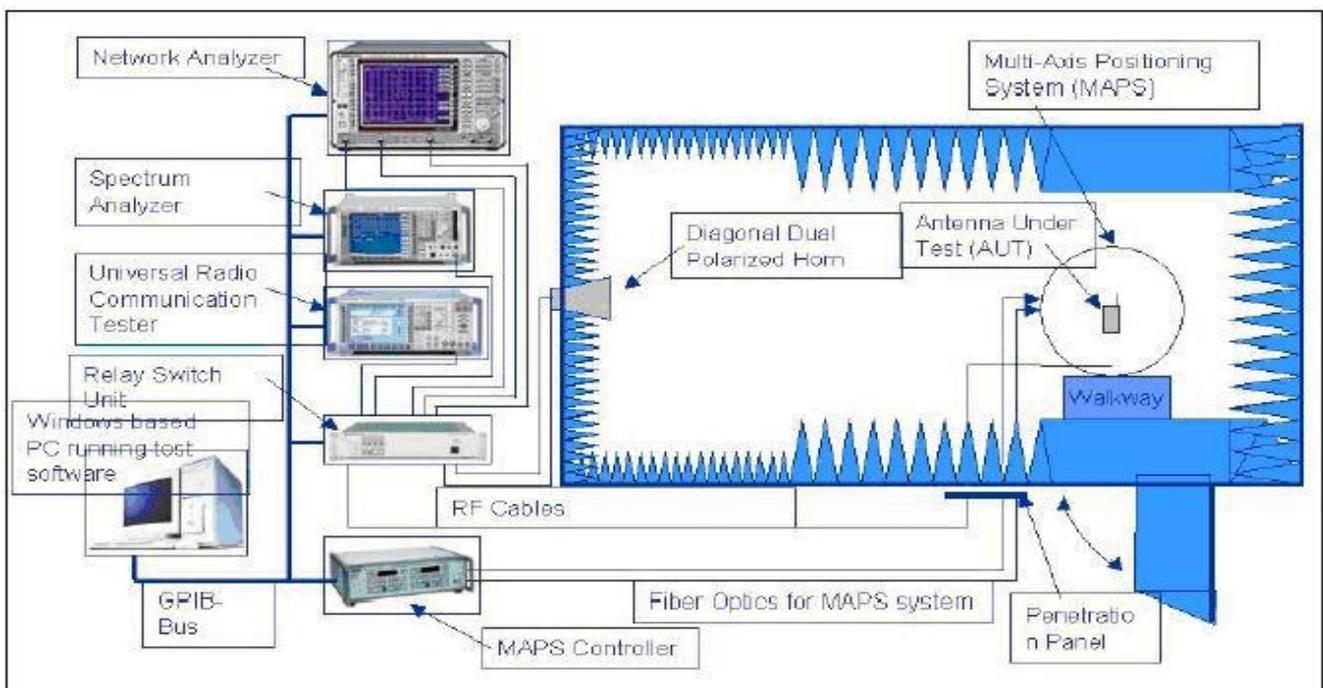
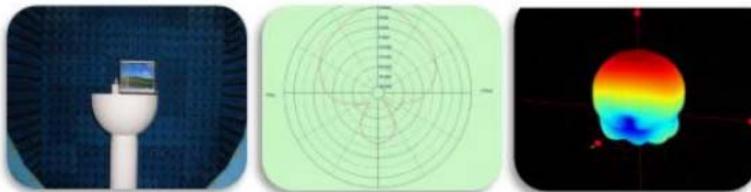
## 2.Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

Testing range:

Support active, passive testing of GSM/CDMA/WCDMA/TD-SCDMA/LTE/WIFI/WLAN/WiMax/BT/GPS/MIMO/UWB within 0.4-6G.



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## 3.Test Results Summary

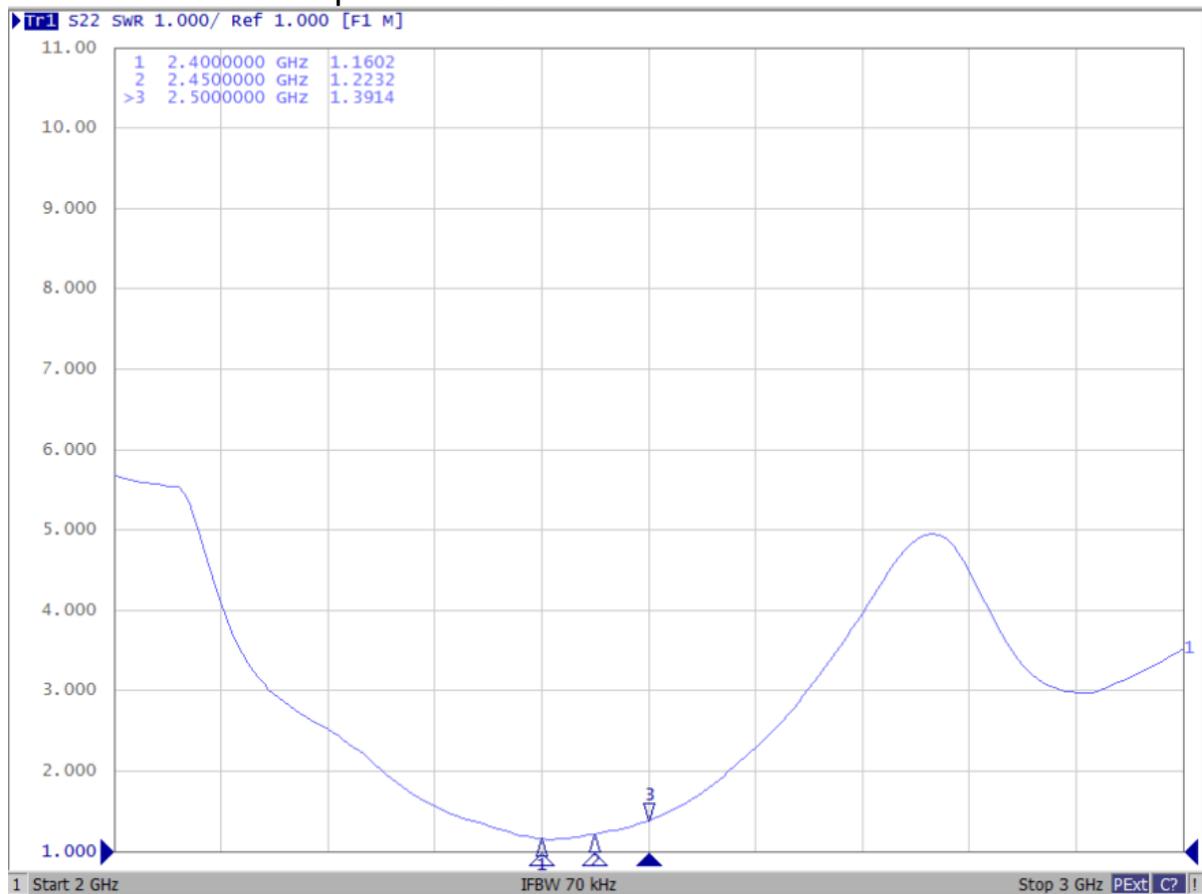
### 3-1 Passive Test

Frequency	Efficiency	Efficiency. dB	Gain. dB
2.40E+09	55%	-2.6	3.4
2.41E+09	54%	-2.7	3.3
2.42E+09	58%	-2.4	3.4
2.43E+09	59%	-2.3	3.4
2.44E+09	60%	-2.3	3.4
2.45E+09	61%	-2.2	3.4
2.46E+09	58%	-2.4	3.5
2.47E+09	60%	-2.2	3.4
2.48E+09	59%	-2.3	3.3
2.49E+09	61%	-2.1	3.2
2.50E+09	58%	-2.4	3.4

### 3-2 Matching circuit

N/A

### 3-3 VSWR&Return loss plot&Smith Chart



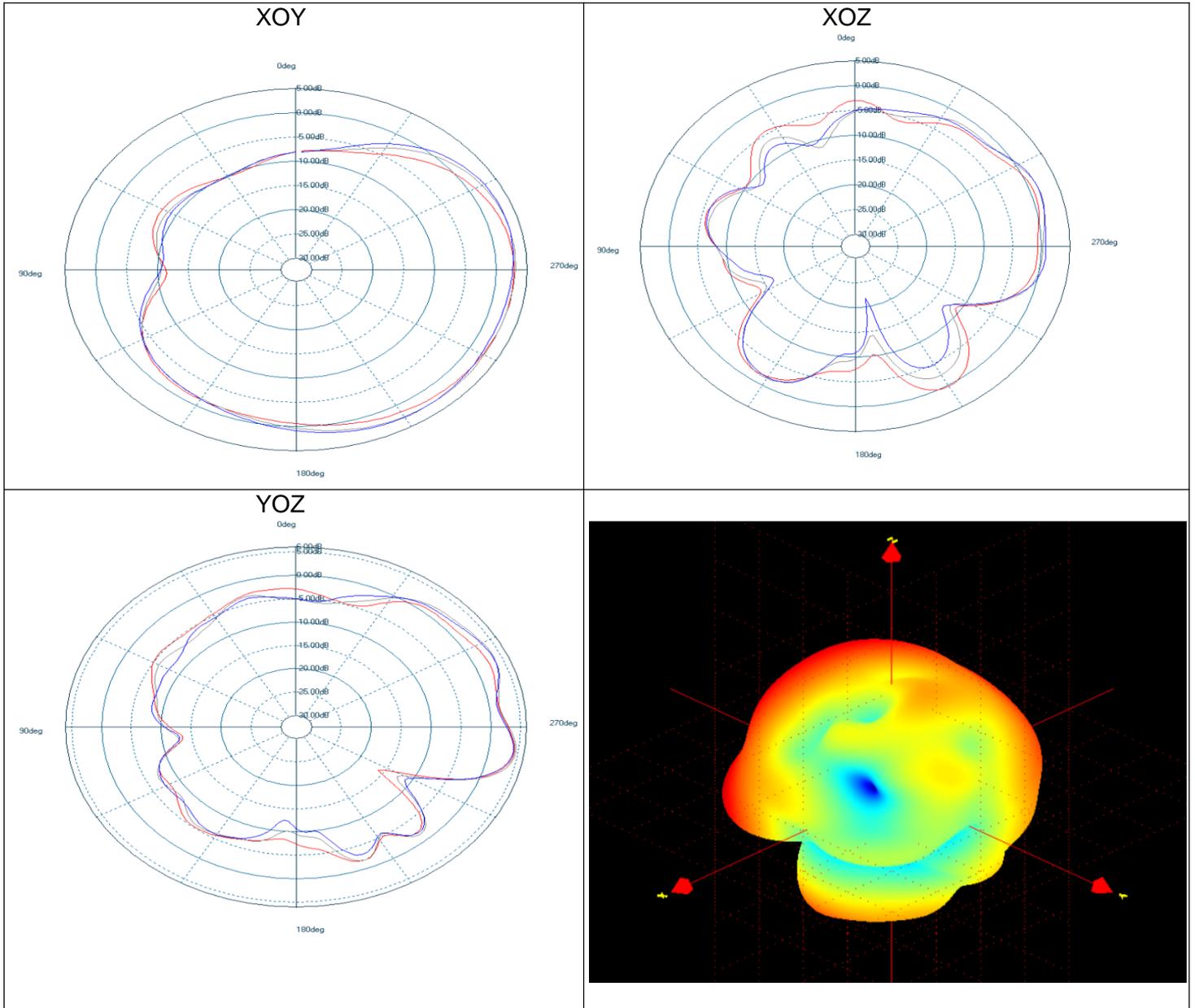
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## 3-4 2D/3D Radiation Pattern Results



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## 4.Test Results Summary (BT)

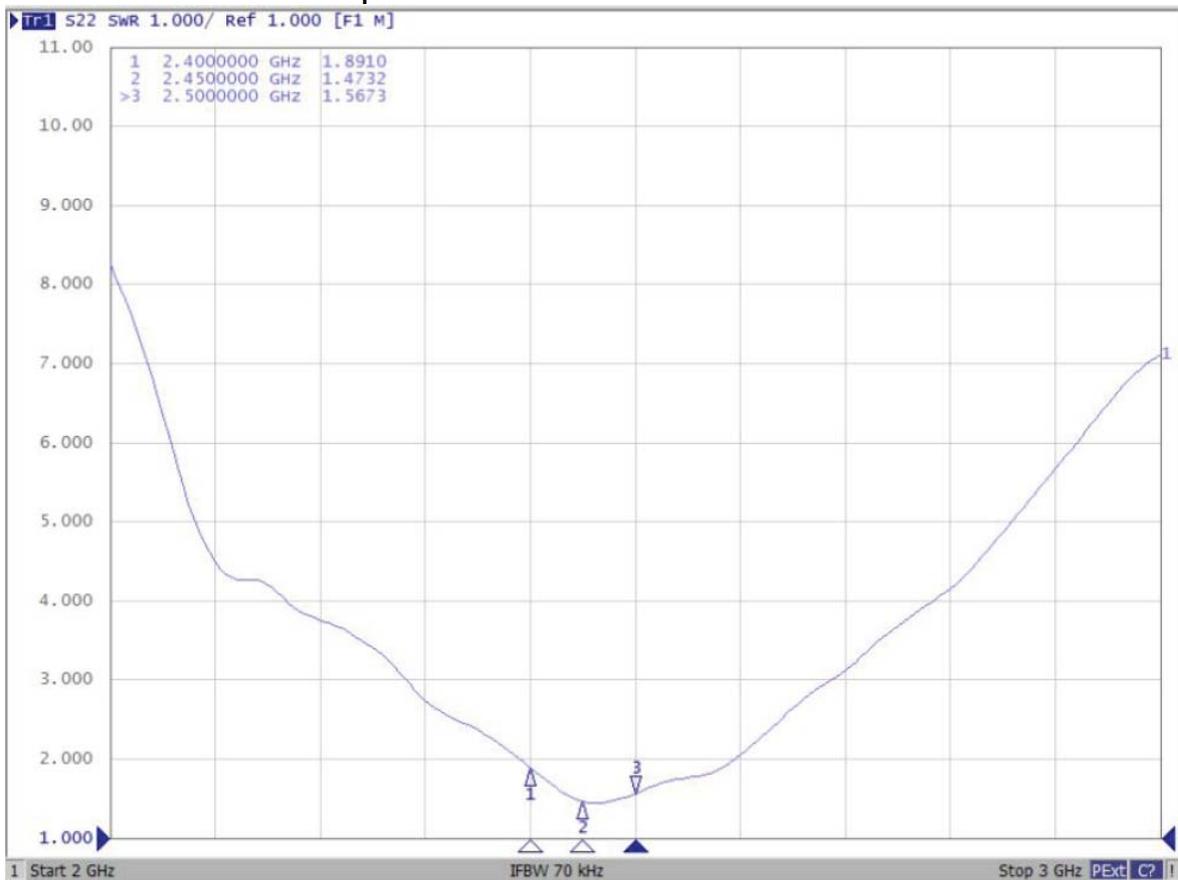
### 4-1 Passive Test

Frequency	Efficiency	Efficiency. dB	Gain. dB
2.40E+09	50%	-3.0	3.4
2.41E+09	51%	-2.9	3.2
2.42E+09	52%	-2.9	3.2
2.43E+09	51%	-2.9	3.3
2.44E+09	50%	-3.0	3.2
2.45E+09	52%	-2.8	3.1
2.46E+09	52%	-2.8	3.4
2.47E+09	51%	-2.9	3.5
2.48E+09	50%	-3.0	3.4
2.49E+09	51%	-3.0	3.7
2.50E+09	50%	-3.0	3.6

### 4-2 Matching circuit

N/A

### 4-3 VSWR&Return loss plot&Smith Chart



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## 4-4 2D/3D Radiation Pattern Results

