

# SPECIFICATION FOR APPROVAL

Date 2018 / 6 / 20  
File No 18062002  
Revision 1.0

CUSTOMER: \_\_\_\_\_

CUSTOMER NO: \_\_\_\_\_

wifi antenna

PART NAME: \_\_\_\_\_

SUPPLIER NO: S-0001-T

Date: 2018.6.20

Q"TY: PCS

## CUSTOMER APPROVED BY

APPROVAL	CHIEF	SUPERVISOR

## SUPPLIER SIGNATURE

APPROVAL	CHECK	DESIGN

# Statement of recognition

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12	-	-	-
13	-	-	-

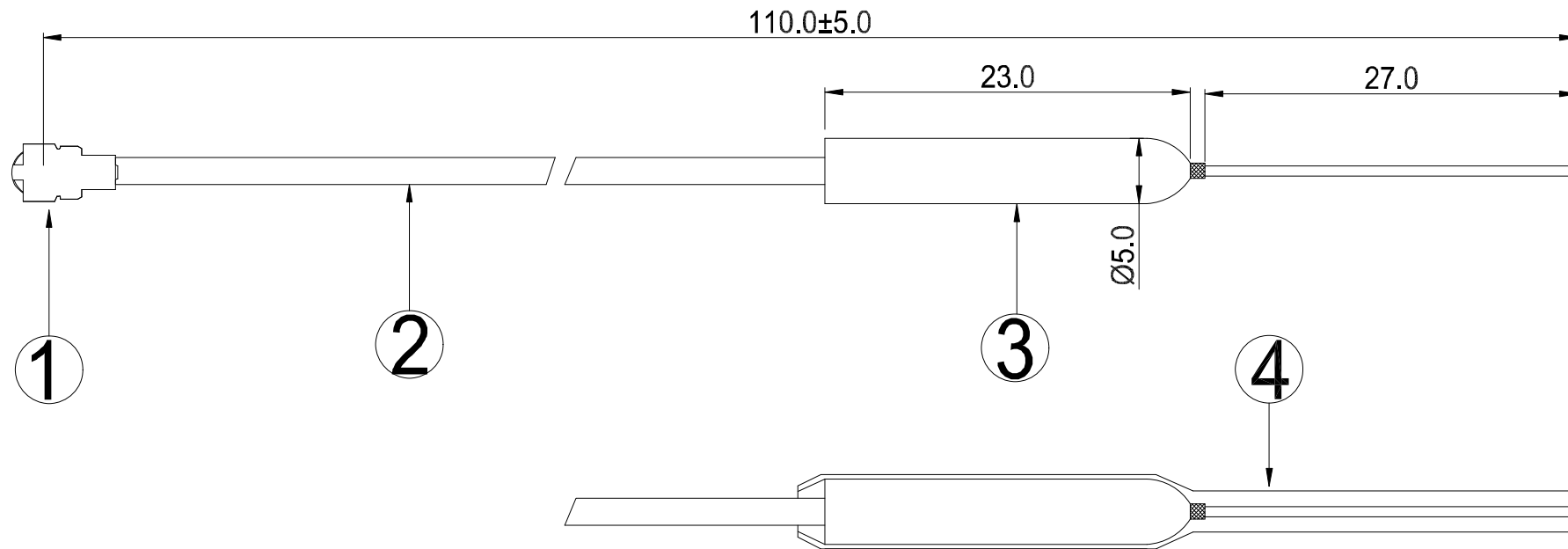
# Test Reports

<b>Electrical Properties</b>	
Frequency	2400 -2450- 2500 MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2 dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	N/A
<b>Physical Properties</b>	
Antenna Material	TPE / PC / CU
Cable Type	O.D 1.13 mm // 50 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

**RoHS**  
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2023-03-10
B		



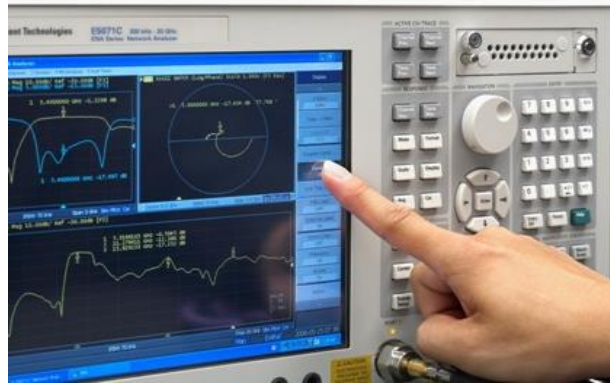
4	Shrink Tube	Ø3.0*40.0MM Black	EVA	1
3	Copper Tube	Ø3.0*23.0mm	Cu Si Plated	1
2	Coaxial Cable	O.D 1.13 Black	O.D 1.13	1
1	Mini Connector 1G	Cu Au Plated	Cu	1
NO	PART NAME	DESCRIPTION	Material	Q.TY

**Siboo** 东莞市思博通讯有限公司  
Dongguan Siboo Communication Co., Ltd

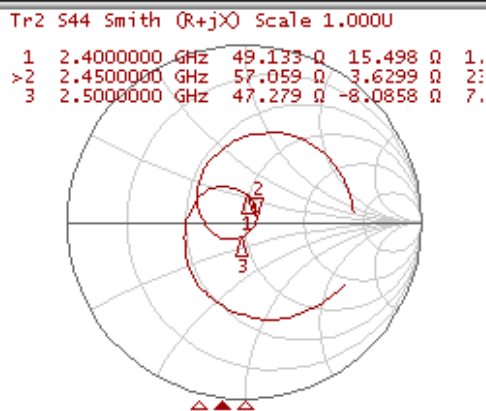
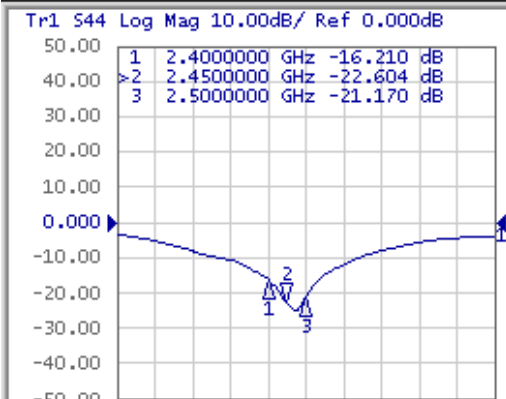
PART NAME: 2.4GHz 2dBi Antenna			
PART NO.: S-GD-24004		DATE: 2023-03-10	
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
			UNITS: mm SCALE: 1/1 REVISION: A

# Antenna Performance Test

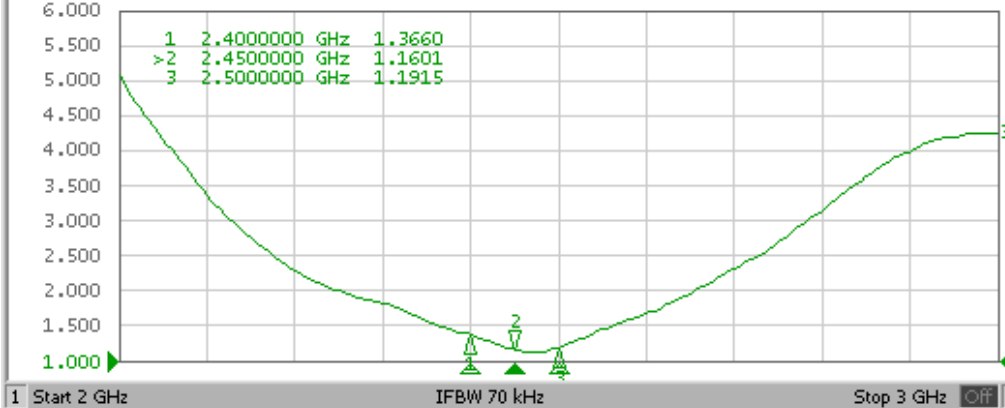
## Agilent E5071B



1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State



Tr3 S44 SWR 500.0m/ Ref 1.000



Trigger

Hold

Single

Continuous

Hold

All Channels

Continuous

Disp Channels

Trigger Source

Internal

Trigger Event

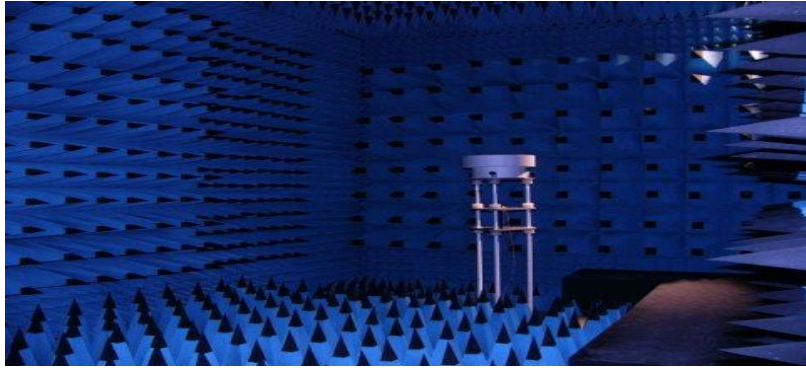
On Sweep

Restart

Trigger

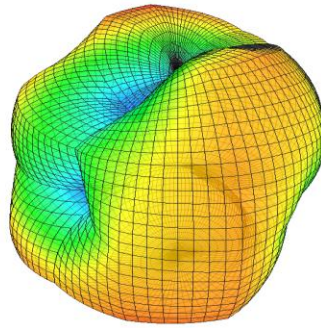
Return

# Gain Test



*Antenna  
Radiation  
Pattern  
VS  
Gain*

$\theta: 60^\circ$   
 $\varphi: 45^\circ$



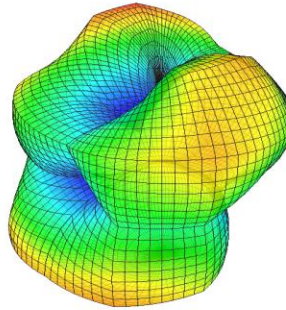
频率(mhz):2400  
型号:WIFI2400  
测试距离:3D  
测试点A  
日期:2016/7/4  
时间:16:17:05

PASSIVE\_TRP =  
-1.15797241909218 dBm  
Frequency(MHz) = 2400



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$\theta: 60^\circ$   
 $\varphi: 45^\circ$



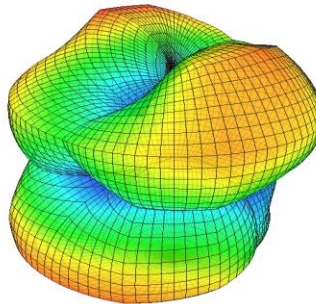
频率(mhz):2450  
型号:WIFI2400  
测试距离:3D  
测试点A  
日期:2016/7/4  
时间:16:17:05

PASSIVE\_TRP =  
-1.23526318917077 dBm  
Frequency(MHz) = 2450



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$\theta: 60^\circ$   
 $\varphi: 45^\circ$



频率(mhz):2500  
型号:WIFI2400  
测试距离:3D  
测试点A  
日期:2016/7/4  
时间:16:17:05

PASSIVE\_TRP =  
-2.79698547515146 dBm  
Frequency(MHz) = 2500



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