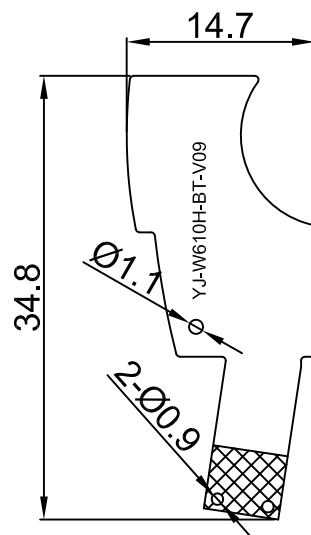


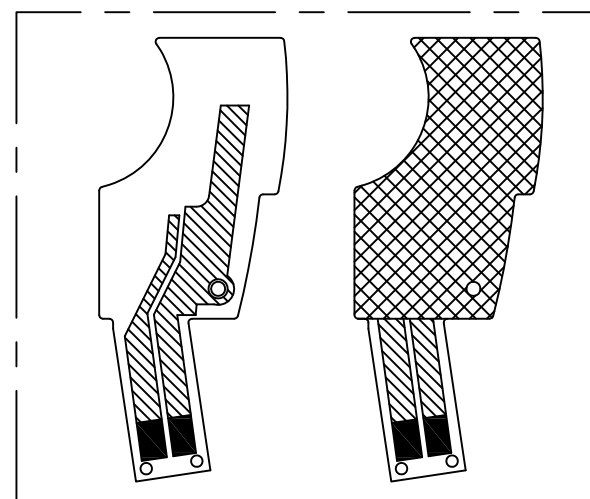
RoHS
Compatible

REV.	DESCRIPTION	DATE
A		
B		
C		
D		
E		
F		
G		
H		
I		



正面

The right side



反面

Reverse side



东莞市一佳电子通讯科技有限公司

Dongguan Yijia Electronics Communication Technology Co.,Ltd. Tel.:0769-82586086 Fax:0769-82586086

PART NAME: BT Antenna

PART NO.: YJL01.106.055.302A

DATE: 2023-05-26

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

何清军

邓磊

廖光喜

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.X ±0.15

REVISION: I

X° ±3°



天线规格

Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	3.7 dBi
Radiation	Omni-directional
Polarization	Linear

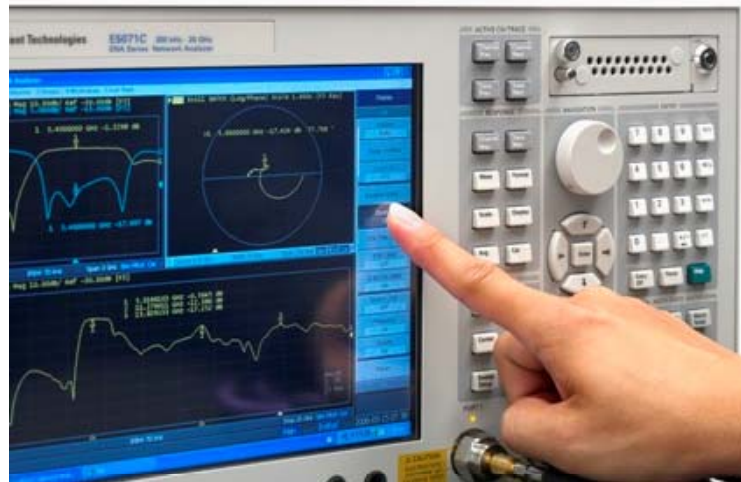
Physical Properties

Connector	None
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

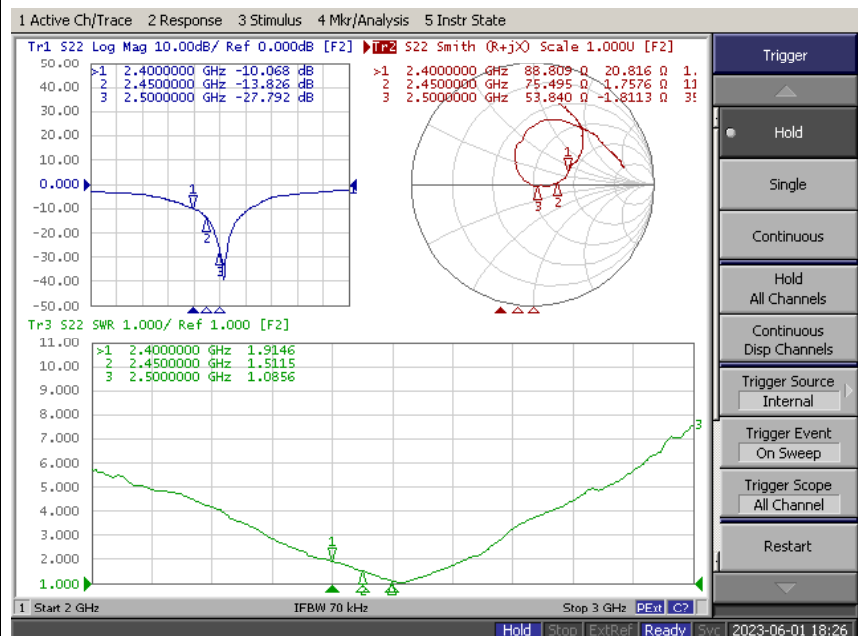
add: 东莞市长安镇沙头社区木鱼路59号元富工业区Tel:0769-82586086Fax:0769-82586086
Yuanfu Industrial Zone, No. 59 Muyu Road, Shatou Community, Changan Town, Dongguan City
Tel:0769-82586086Fax:0769-82586086



Agilent E5071B



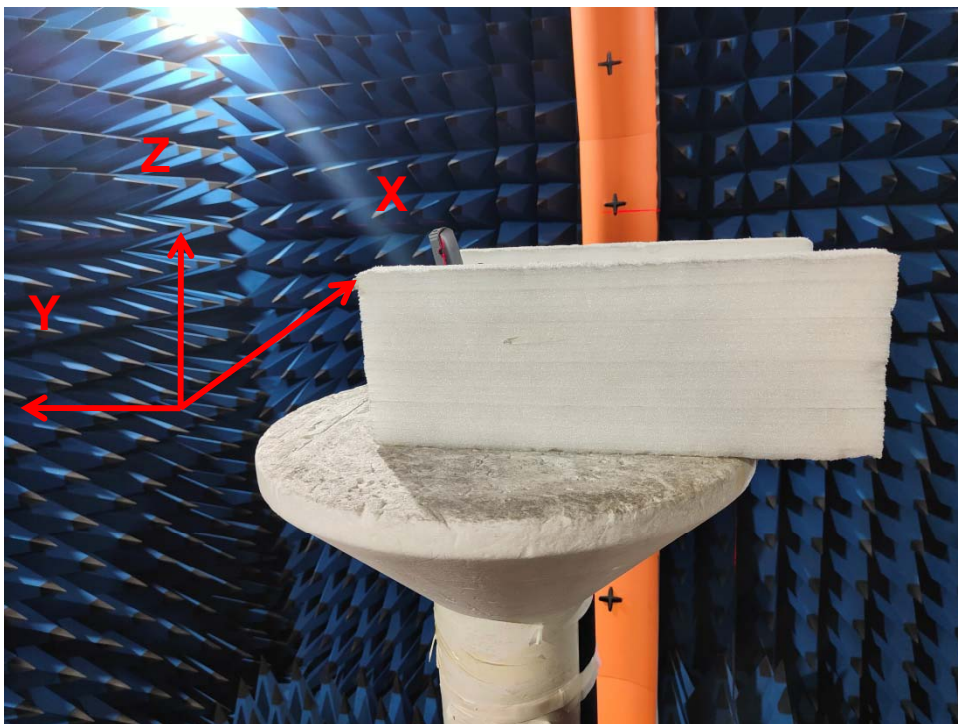
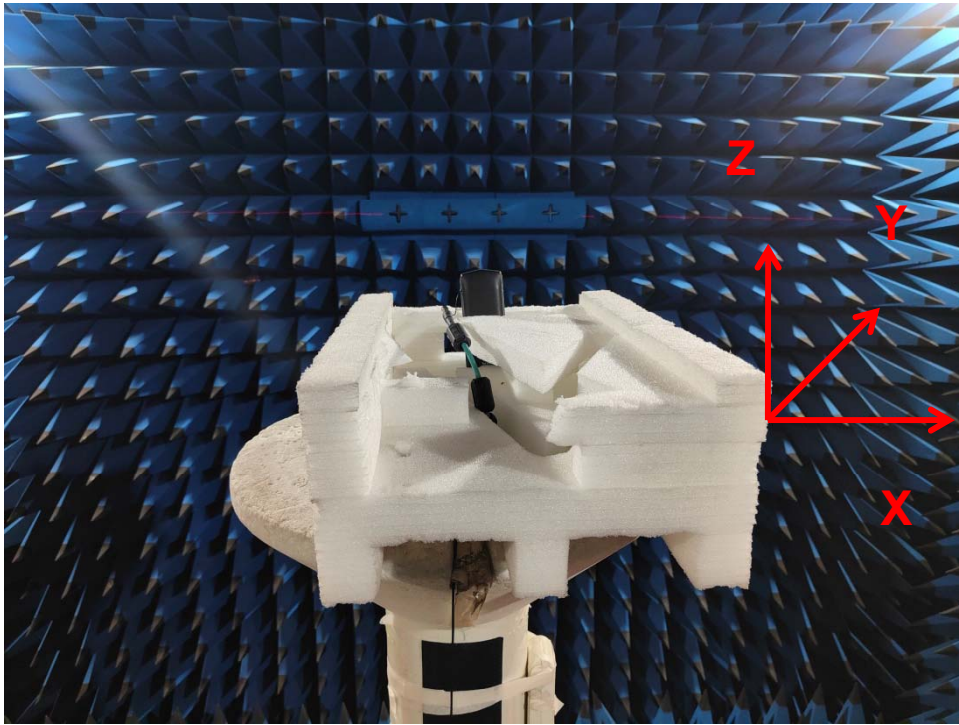
S Parameter Test // BT Antenna



add: 东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086
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Antenna Passive Test



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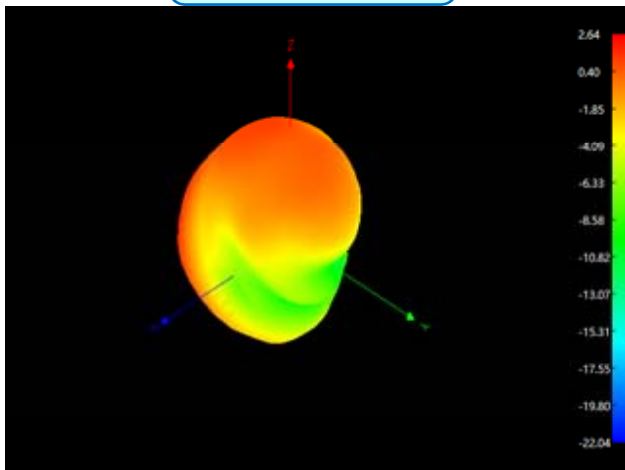
Passive Test For BT Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	52.0	-2.8	2.6
2410	53.4	-2.7	2.8
2420	55.4	-2.6	2.8
2430	55.5	-2.6	3.0
2440	54.4	-2.6	2.8
2450	58.1	-2.4	3.3
2460	57.0	-2.5	3.3
2470	58.0	-2.4	3.5
2480	56.0	-2.5	3.5
2490	57.0	-2.5	3.7
2500	54.5	-2.6	3.6

add: 东莞市长安镇沙头社区木鱼路59号元富工业区Tel:0769-82586086Fax:0769-82586086
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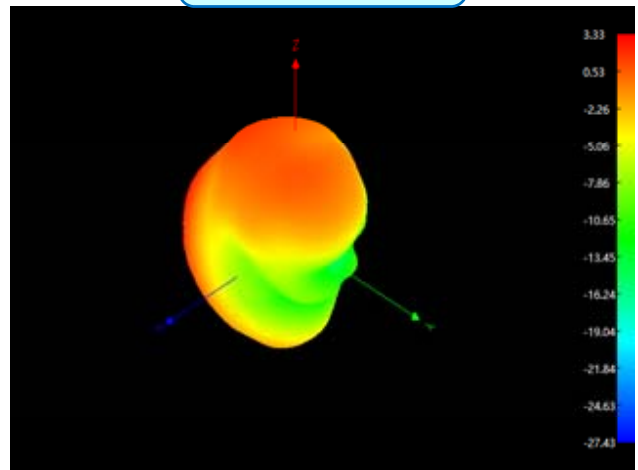


Radiation Pattern For BT Antenna

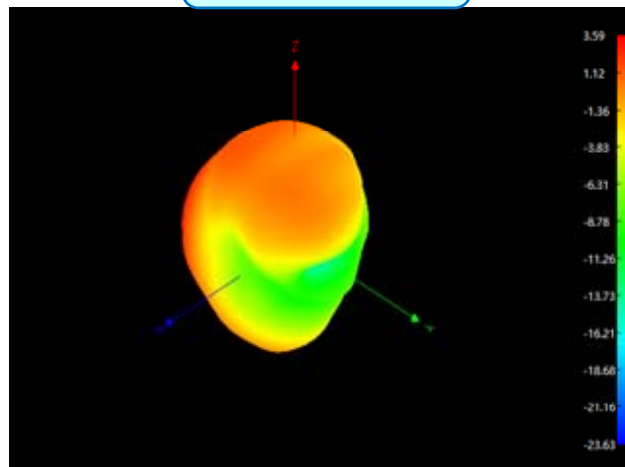
2400MHz



2450MHz

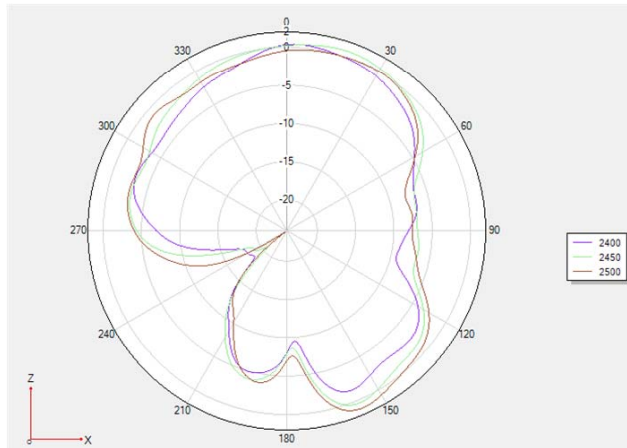


2500MHz

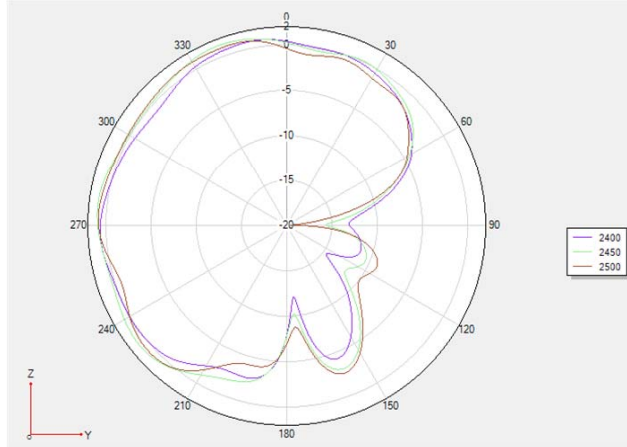




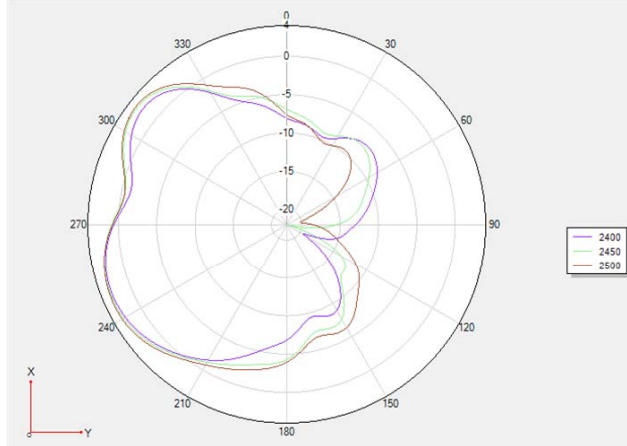
Phi 0°



Phi 90°

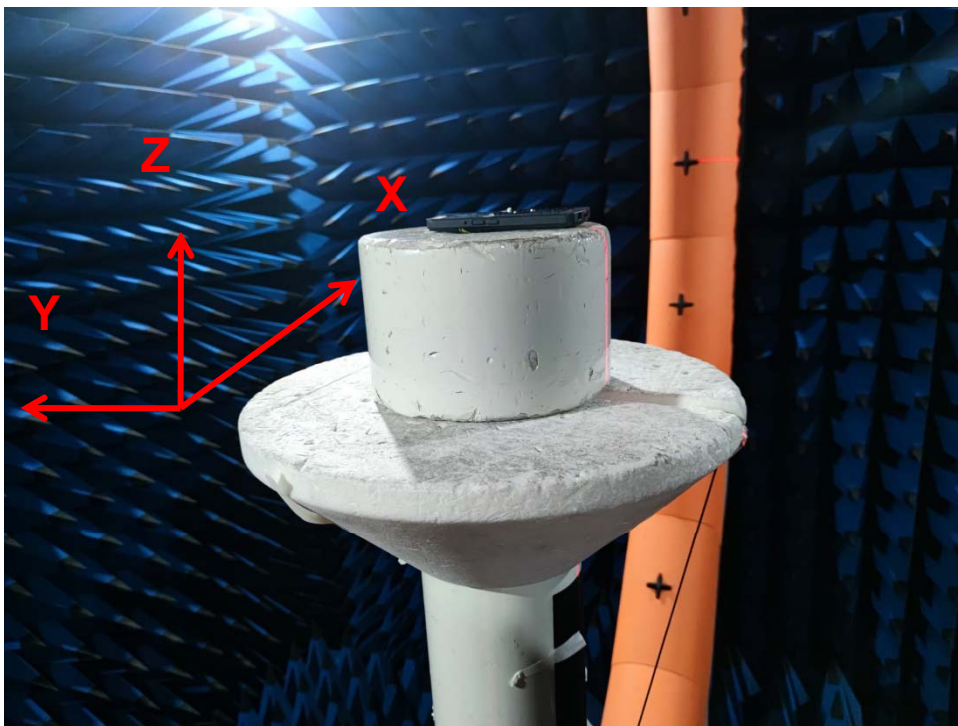
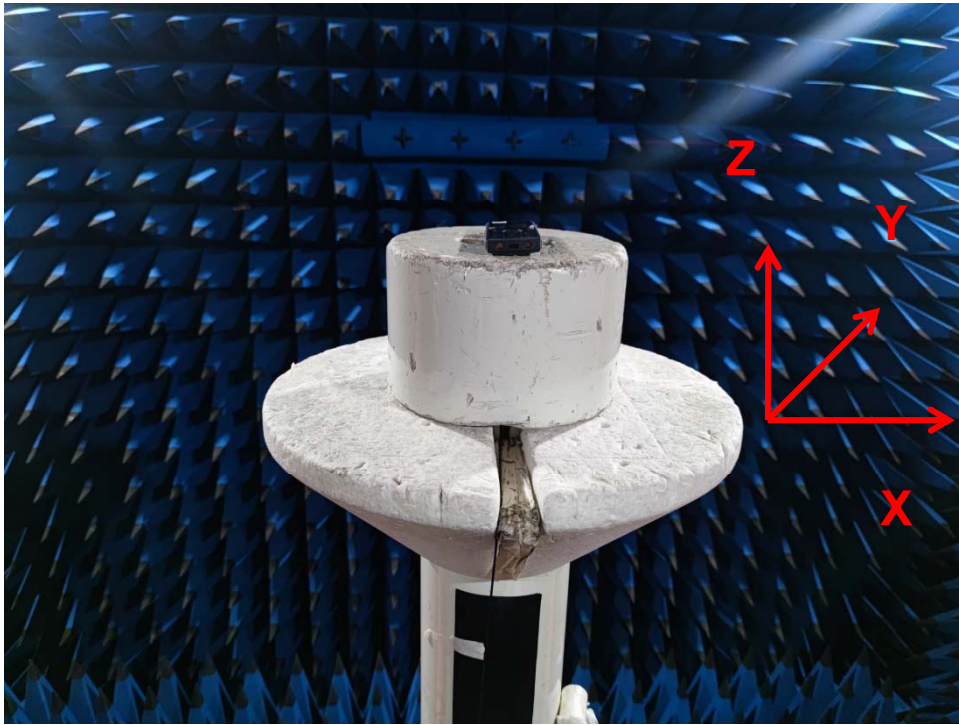


Theta 90°





Antenna Active Test



add: 东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086
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Tel:0769-82586086 Fax:0769-82586086



Active Test For BT					
Band	Channel	TRP	EIRP	TIS	EIS
BT	0	4.8	9.4	-93.4	-98.2
	39	4.2	9.0	-93.5	-98.3
	78	3.8	8.4	-93.2	-98.1

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