



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/03/27
编号 File No	25032701
版本 Revision	1.0

客户
CUSTOMER: 天波

客户料号
CUSTOMER NO: L101

品名
PART NAME: BT1 Antenna L=30mm MHF

供方料号
SUPPLIER NO: YJW01.076.297.301A

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

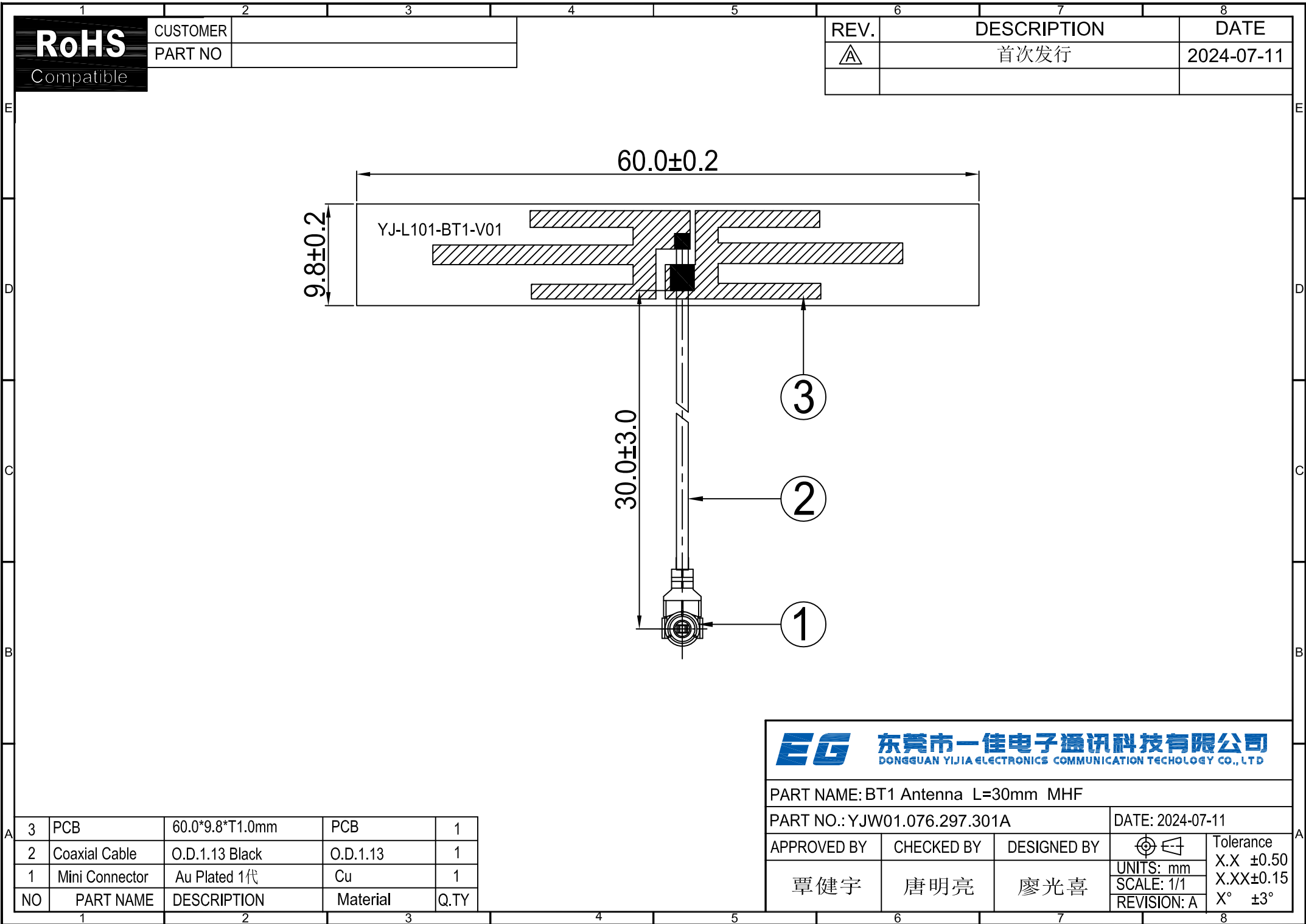




承认书项目表

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1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	天线规格 (Antenna Specification)	1	4
5	S参数测试 (S Parameter)	1	5
6	无源测试 (Passive Test)	2	6 ~ 7
7	方向图 (Radiation Pattern)	1	8
8	天线装配图 (Antenna Profile)	3	9 ~ 11
9	材质证明 (Material Certificate)	32	12 ~ 43
10	RoHS报告 (RoHS Test Report)	**	**
11	N/A	N/A	N/A
12	-	-	-
13	-	-	-





RoHS

Compatible

CUSTOMER

PART NO

REV.

△

DESCRIPTION

首次发行

DATE

2024-07-11

YJ-L101-BT1-V01

60.0±0.2

9.8±0.2

30.0±3.0

3

2

1



东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

PART NAME: BT1 Antenna L=30mm MHF

PART NO.: YJW01.076.297.301A

DATE: 2024-07-11

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

覃健宇

唐明亮

廖光喜

UNITS: mm

SCALE: 1/1

REVISION: A

X.X ±0.50

X.XX±0.15

X° ±3°

3	PCB	60.0*9.8*T1.0mm	PCB	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	1
1	Mini Connector	Au Plated 1代	Cu	1
NO	PART NAME	DESCRIPTION	Material	Q.TY



天线规格
Antenna Specification

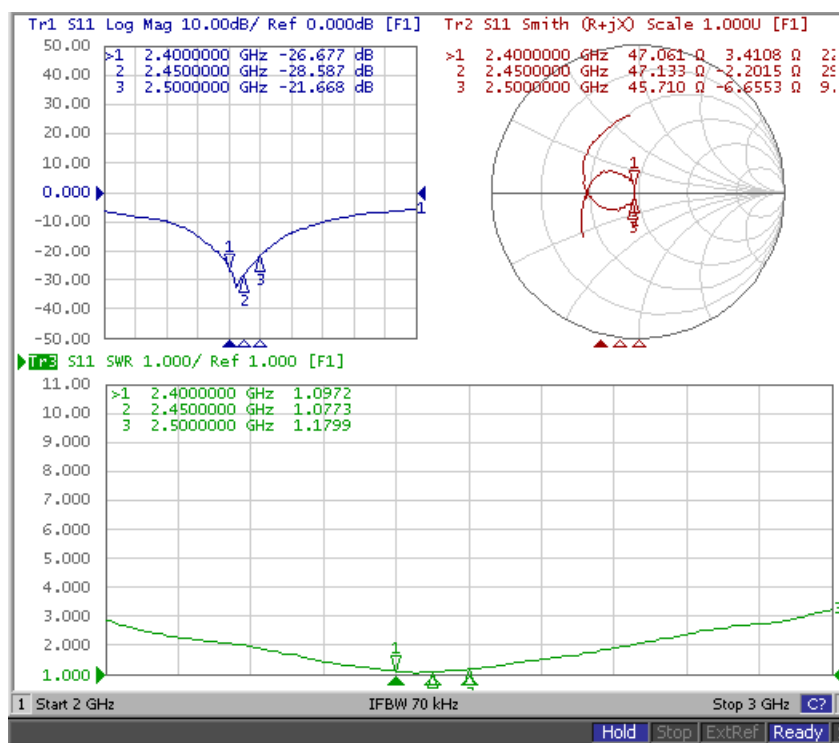
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	5.7 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	30mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





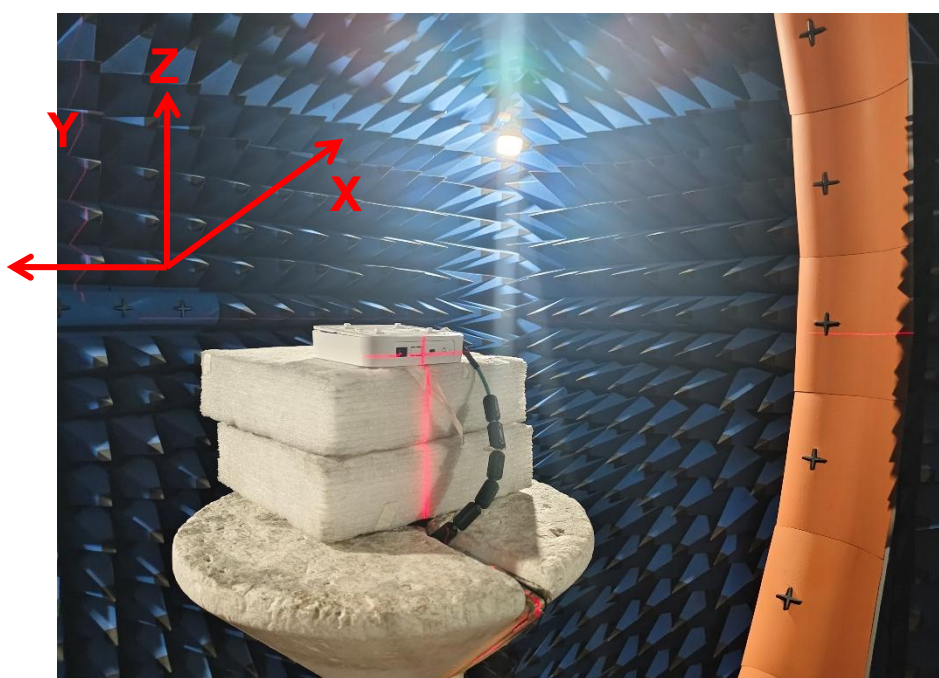
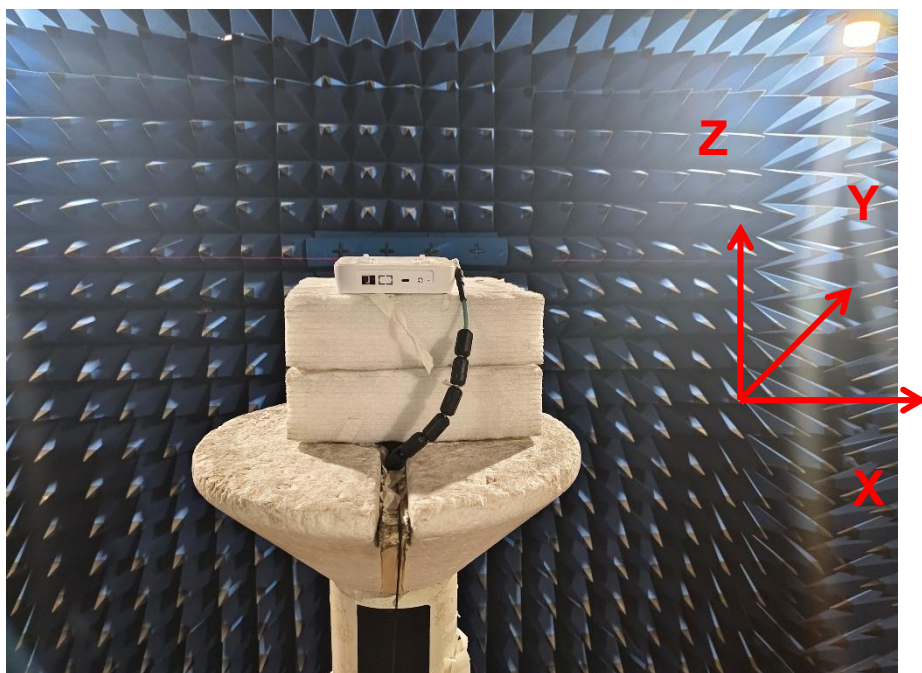
Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
BT
Antenna*





Antenna Passive Test



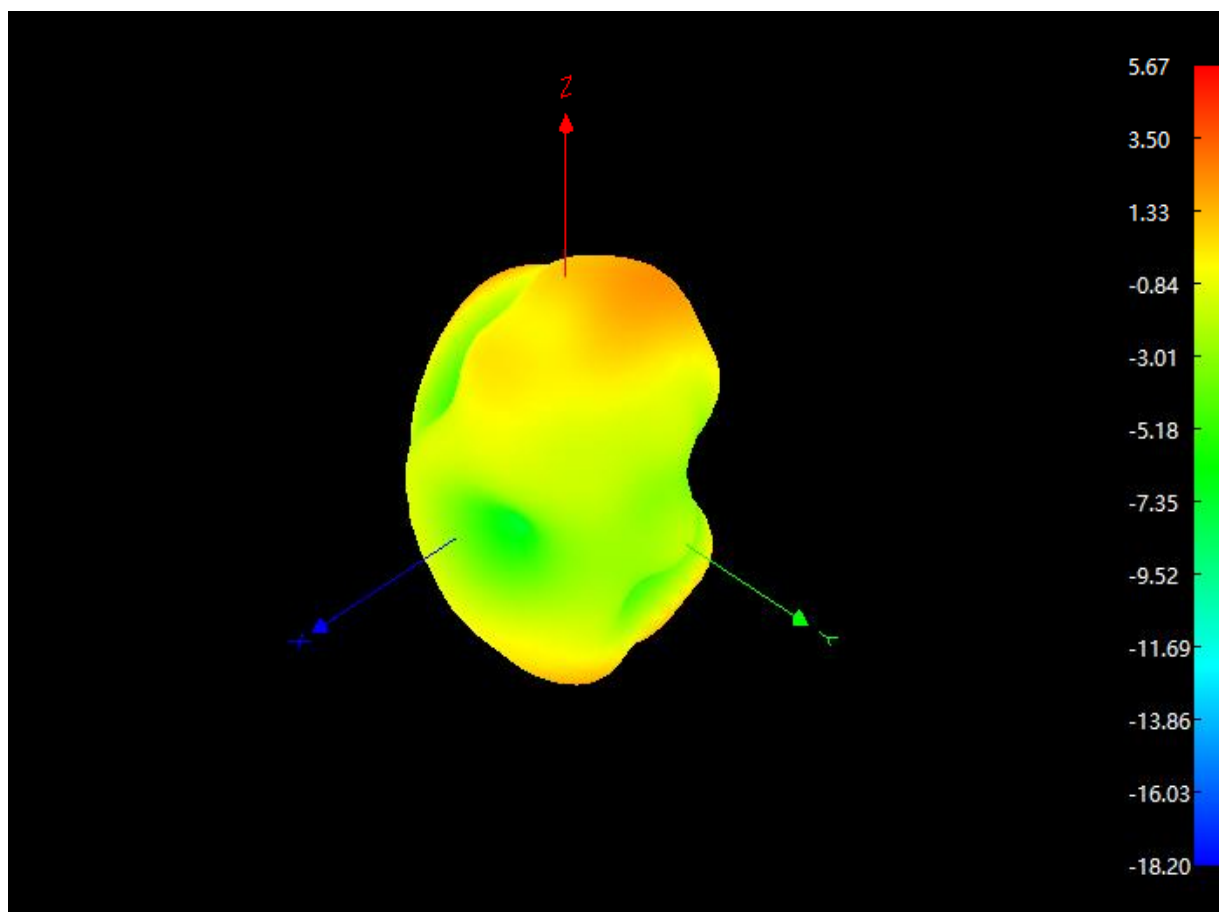


Passive Test For BT Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	64.6	-1.2	5.4
2410	65.3	-1.1	5.6
2420	63.3	-1.2	5.5
2430	62.5	-1.3	5.5
2440	62.5	-1.3	5.4
2450	65.8	-1.1	5.7
2460	61.8	-1.3	5.3
2470	65.1	-1.1	5.7
2480	62.8	-1.3	5.3
2490	65.1	-1.1	5.5
2500	62.0	-1.3	5.1





Radiation Pattern For BT Antenna(2450MHz)





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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

Device

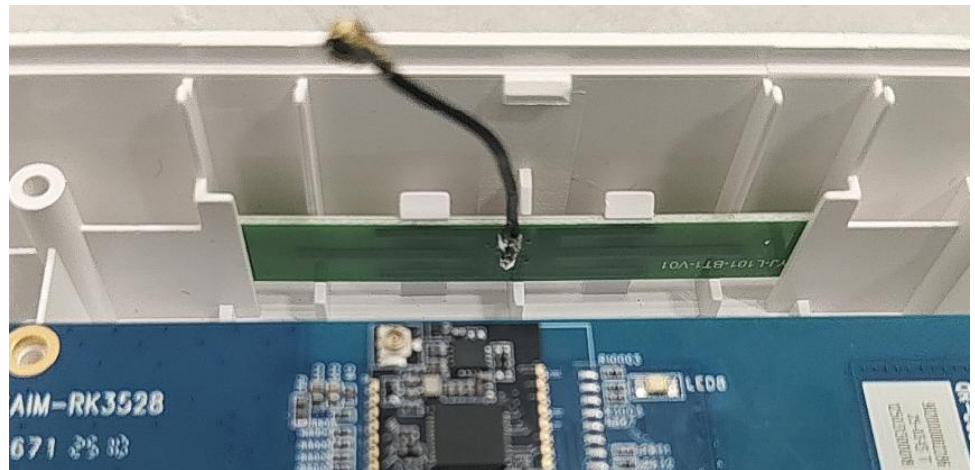


东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086



东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

BT Antenna



东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086

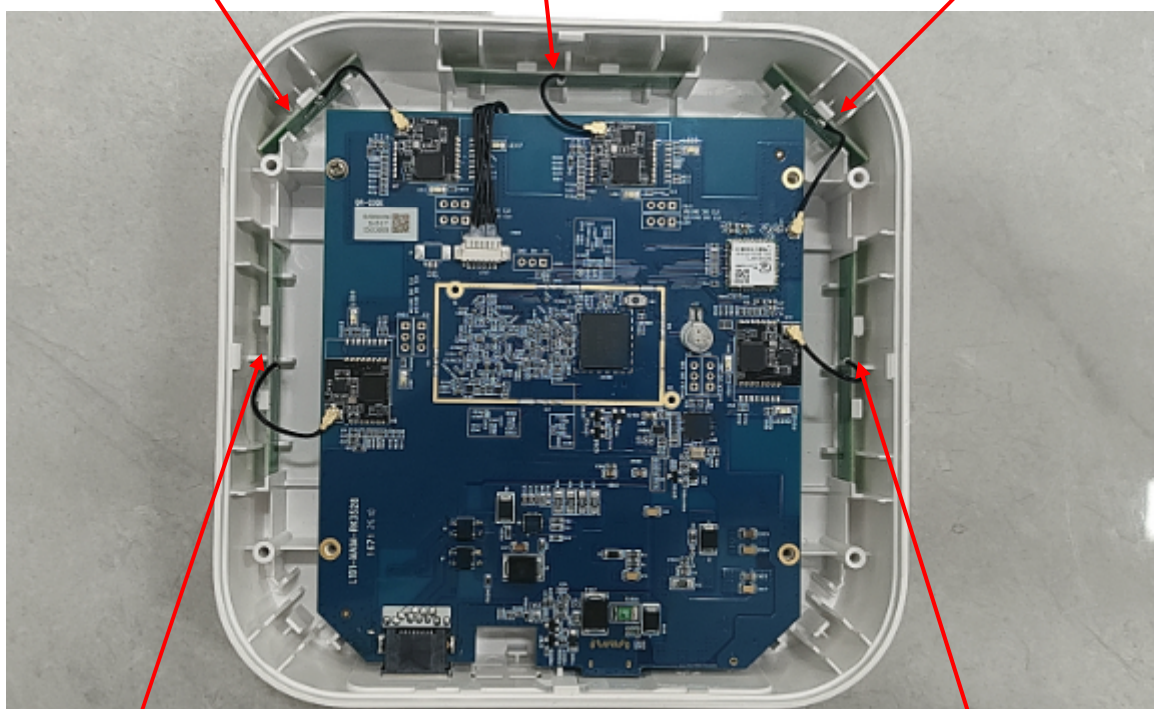


东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

BT Antenna

BT Antenna

WiFi Antenna



BT Antenna

BT Antenna



东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/03/27
编号 File No	25032702
版本 Revision	1.0

客户
CUSTOMER: 天波

客户料号
CUSTOMER NO: L101

品名
PART NAME: BT2 Antenna L=30mm MHF

供方料号
SUPPLIER NO: YJW01.076.297.302A

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

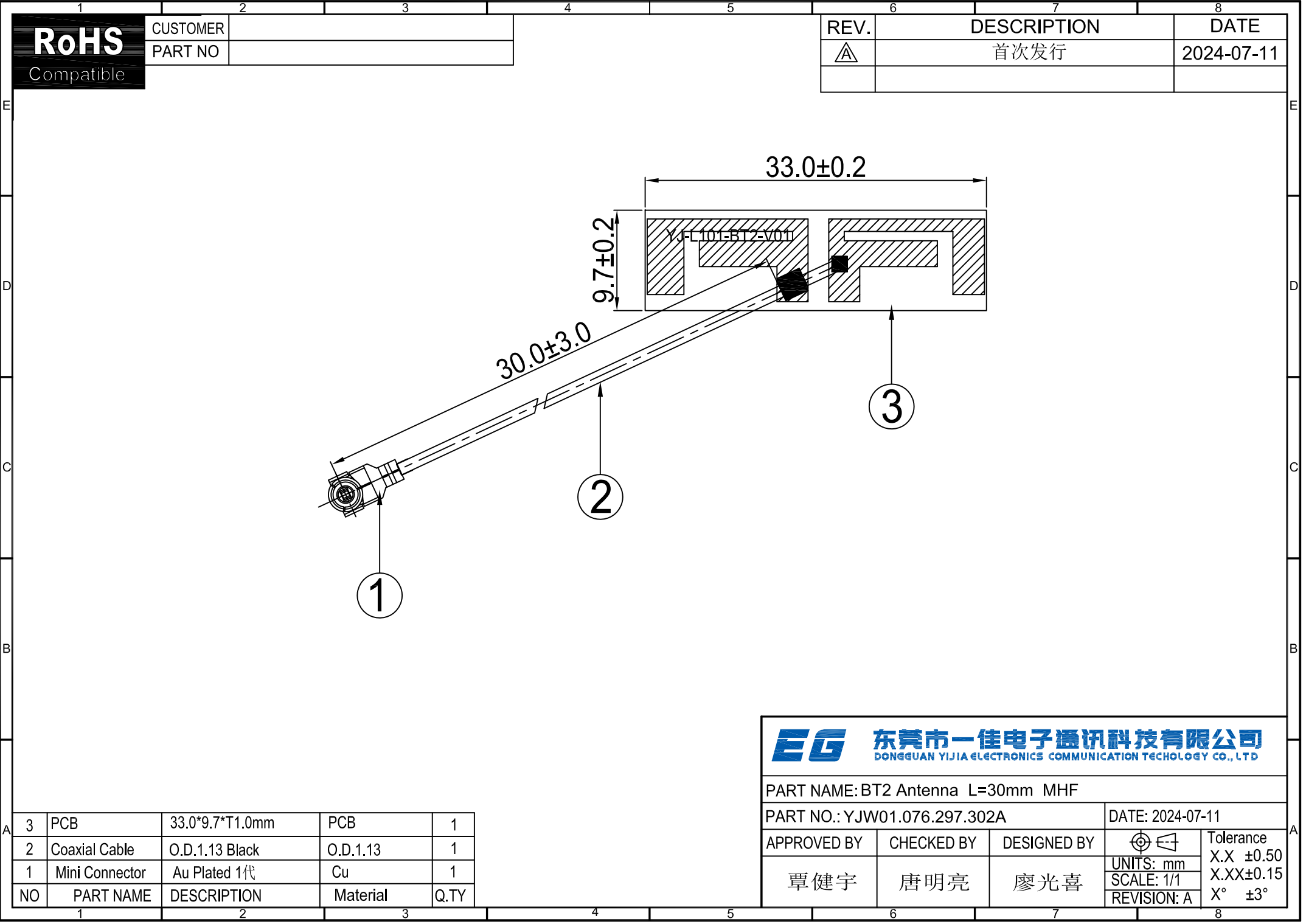




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5	S参数测试 (S Parameter)	1	5
6	无源测试 (Passive Test)	2	6 ~ 7
7	方向图 (Radiation Pattern)	1	8
8	天线装配图 (Antenna Profile)	3	9 ~ 11
9	材质证明 (Material Certificate)	32	12 ~ 43
10	RoHS报告 (RoHS Test Report)	**	**
11	N/A	N/A	N/A
12	-	-	-
13	-	-	-





RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-07-11

3	PCB	33.0*9.7*T1.0mm	PCB	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	1
1	Mini Connector	Au Plated 1代	Cu	1
NO	PART NAME	DESCRIPTION	Material	Q.TY

EG 东莞市一佳电子通讯科技有限公司 DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD				
PART NAME: BT2 Antenna L=30mm MHF				
PART NO.: YJW01.076.297.302A			DATE: 2024-07-11	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
覃健宇	唐明亮	廖光喜		X.X ±0.50
				X.XX±0.15
				X° ±3°
			UNITS: mm	
			SCALE: 1/1	
			REVISION: A	



天线规格
Antenna Specification

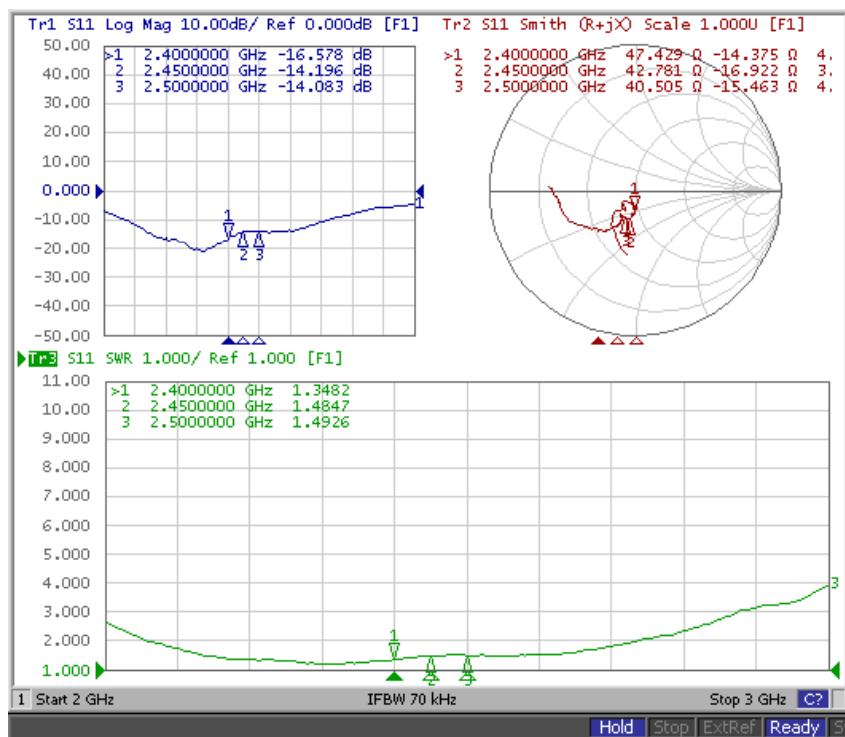
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	4.3 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	30mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





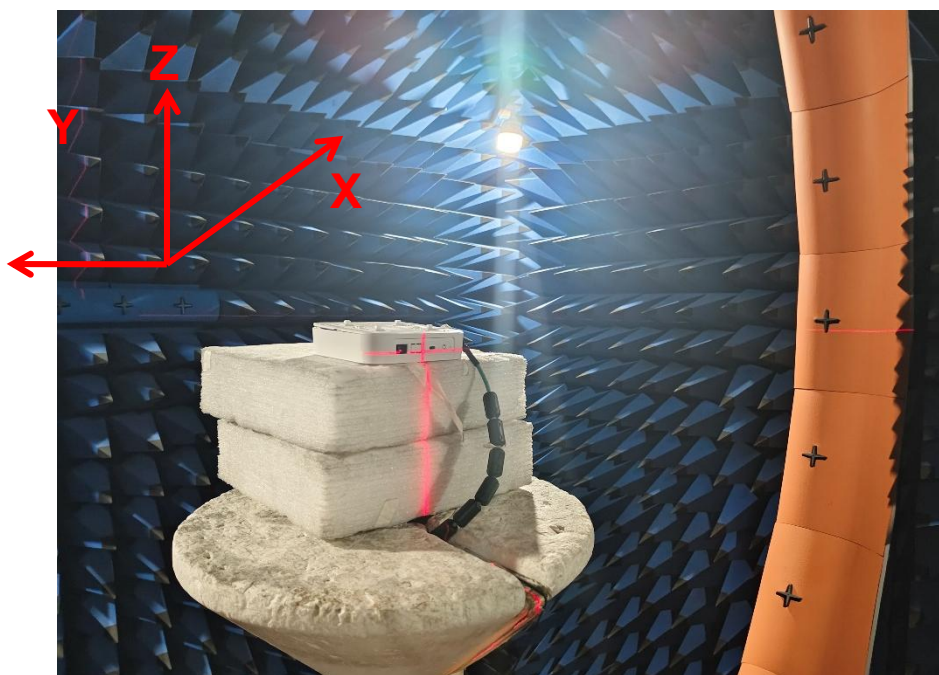
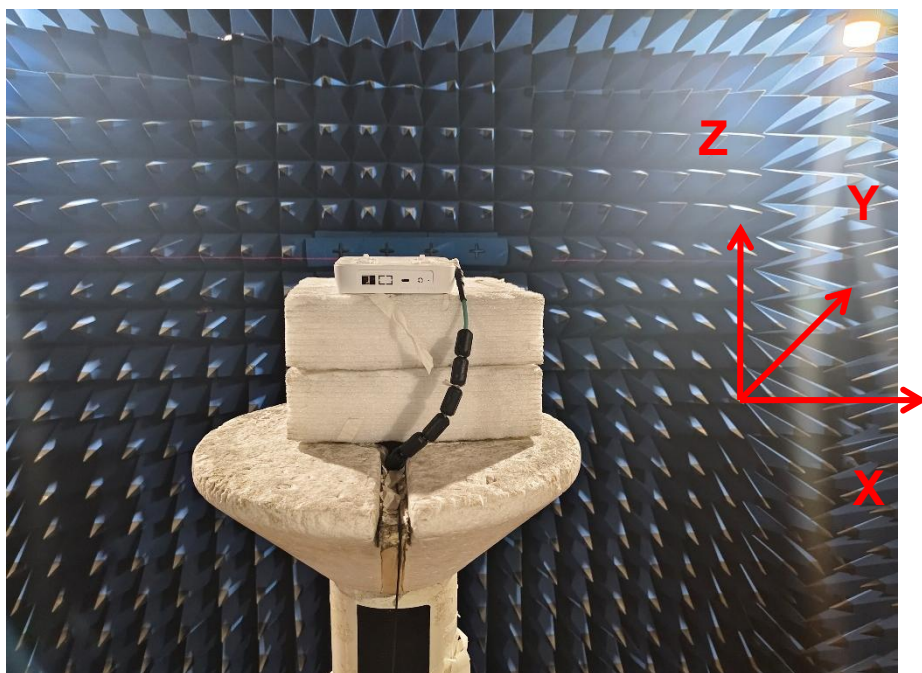
Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
BT
Antenna*





Antenna Passive Test



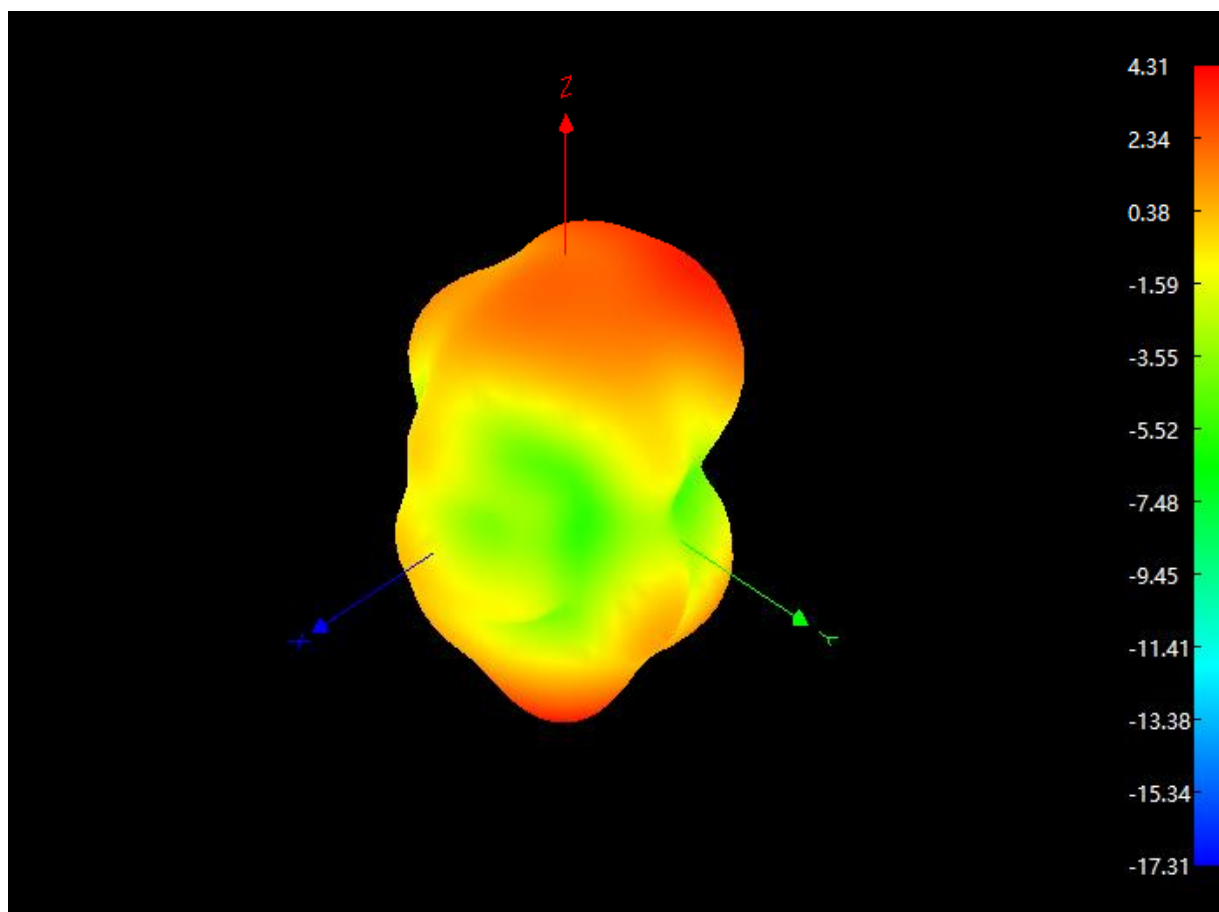


Passive Test For BT Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	63.7	-2.0	3.9
2410	66.1	-1.8	4.2
2420	66.7	-1.8	4.3
2430	64.9	-1.9	4.3
2440	64.0	-1.9	4.1
2450	66.2	-1.8	4.3
2460	63.7	-2.0	3.9
2470	64.7	-1.9	4.1
2480	64.0	-1.9	3.9
2490	67.0	-1.7	4.2
2500	65.2	-1.9	4.1





Radiation Pattern For BT Antenna(2450MHz)





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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

Device

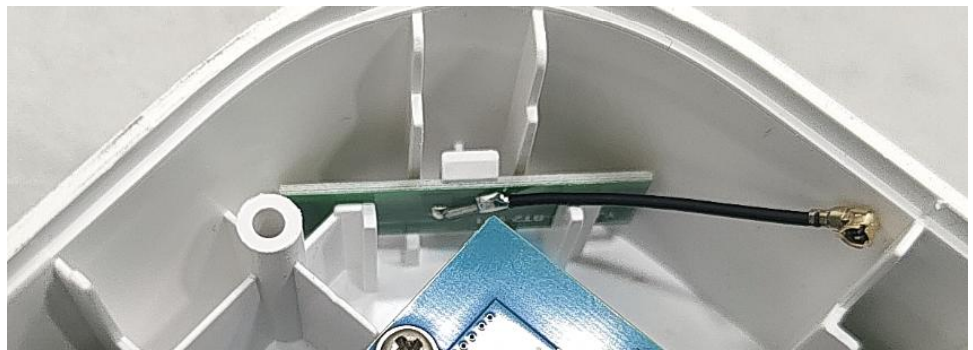


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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

***BT
Antenna***



东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086

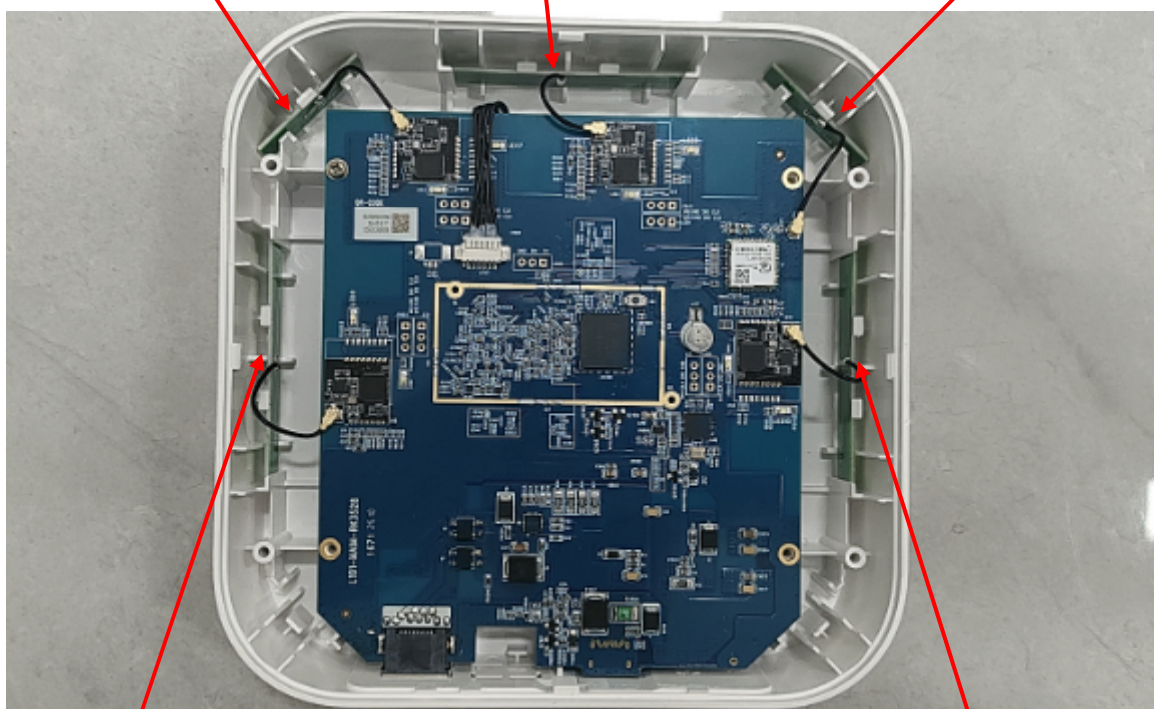


东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

BT Antenna

BT Antenna

WiFi Antenna



BT Antenna

BT Antenna



东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/03/27
编号 File No	25032703
版本 Revision	1.0

客户
CUSTOMER: 天波

客户料号
CUSTOMER NO: L101

品名
PART NAME: BT3 Antenna L=30mm MHF

供方料号
SUPPLIER NO: YJW01.076.297.303A

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

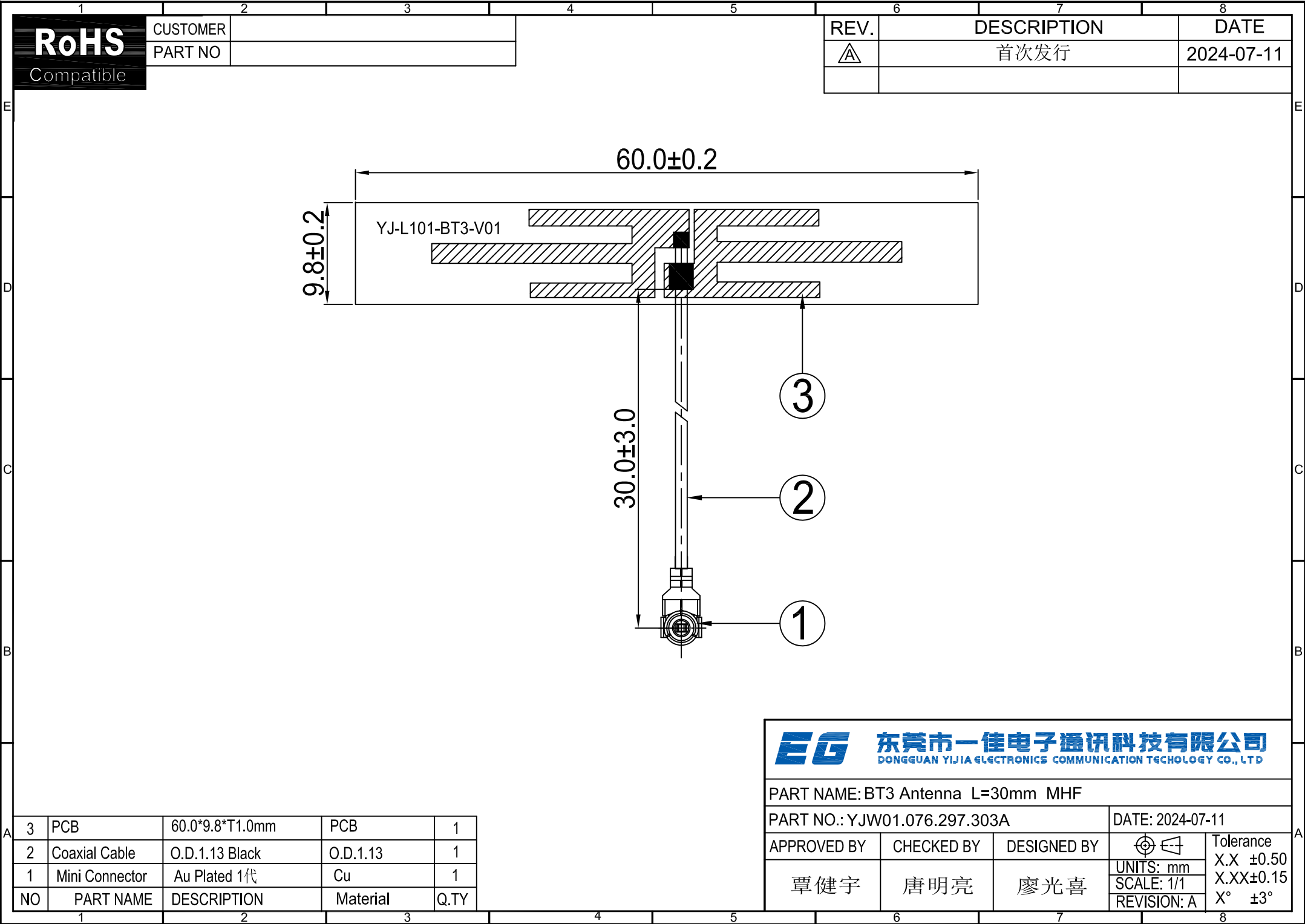




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5	S参数测试 (S Parameter)	1	5
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8	天线装配图 (Antenna Profile)	3	9 ~ 11
9	材质证明 (Material Certificate)	32	12 ~ 43
10	RoHS报告 (RoHS Test Report)	**	**
11	N/A	N/A	N/A
12	-	-	-
13	-	-	-





RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-07-11

3	PCB	60.0*9.8*T1.0mm	PCB	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	1
1	Mini Connector	Au Plated 1代	Cu	1
NO	PART NAME	DESCRIPTION	Material	Q.TY

EG 东莞市一佳电子通讯科技有限公司 DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO.,LTD				
PART NAME: BT3 Antenna L=30mm MHF				
PART NO.: YJW01.076.297.303A			DATE: 2024-07-11	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
覃健宇	唐明亮	廖光喜		X.X ±0.50
				X.XX±0.15
				X° ±3°



天线规格
Antenna Specification

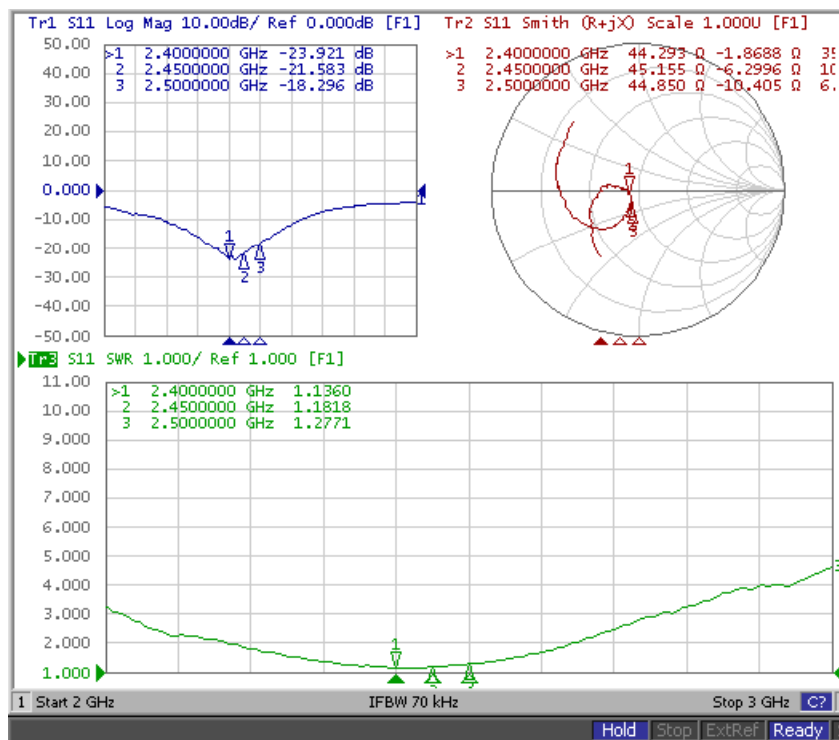
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	5.0 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	30mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





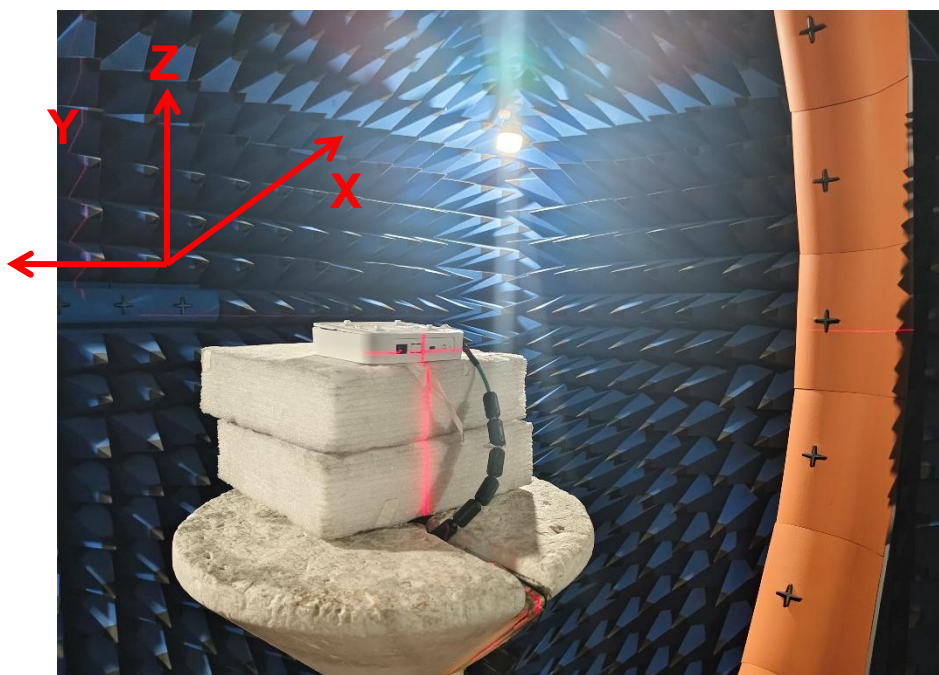
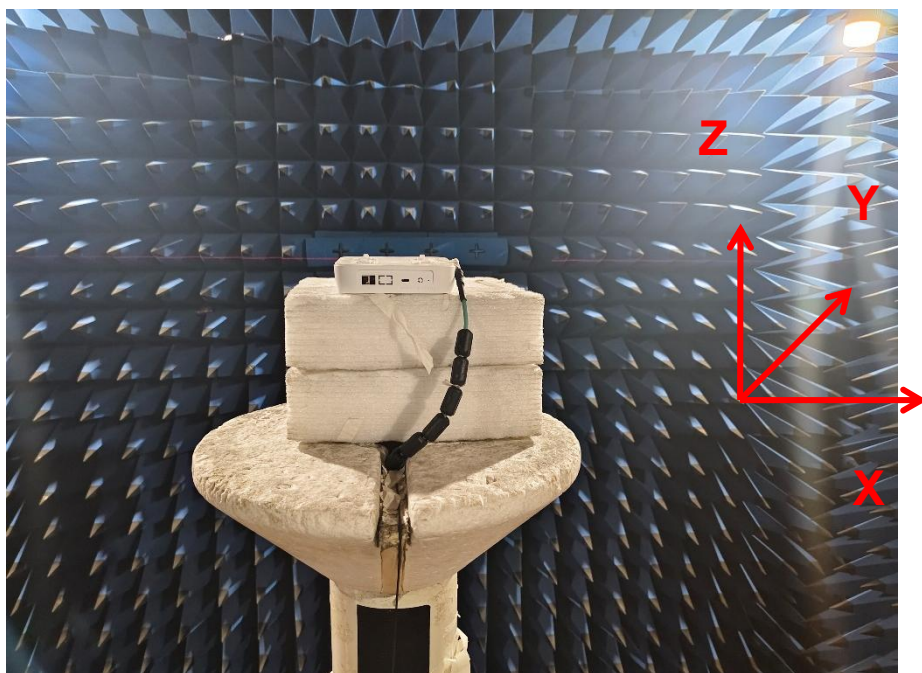
Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
BT
Antenna*





Antenna Passive Test



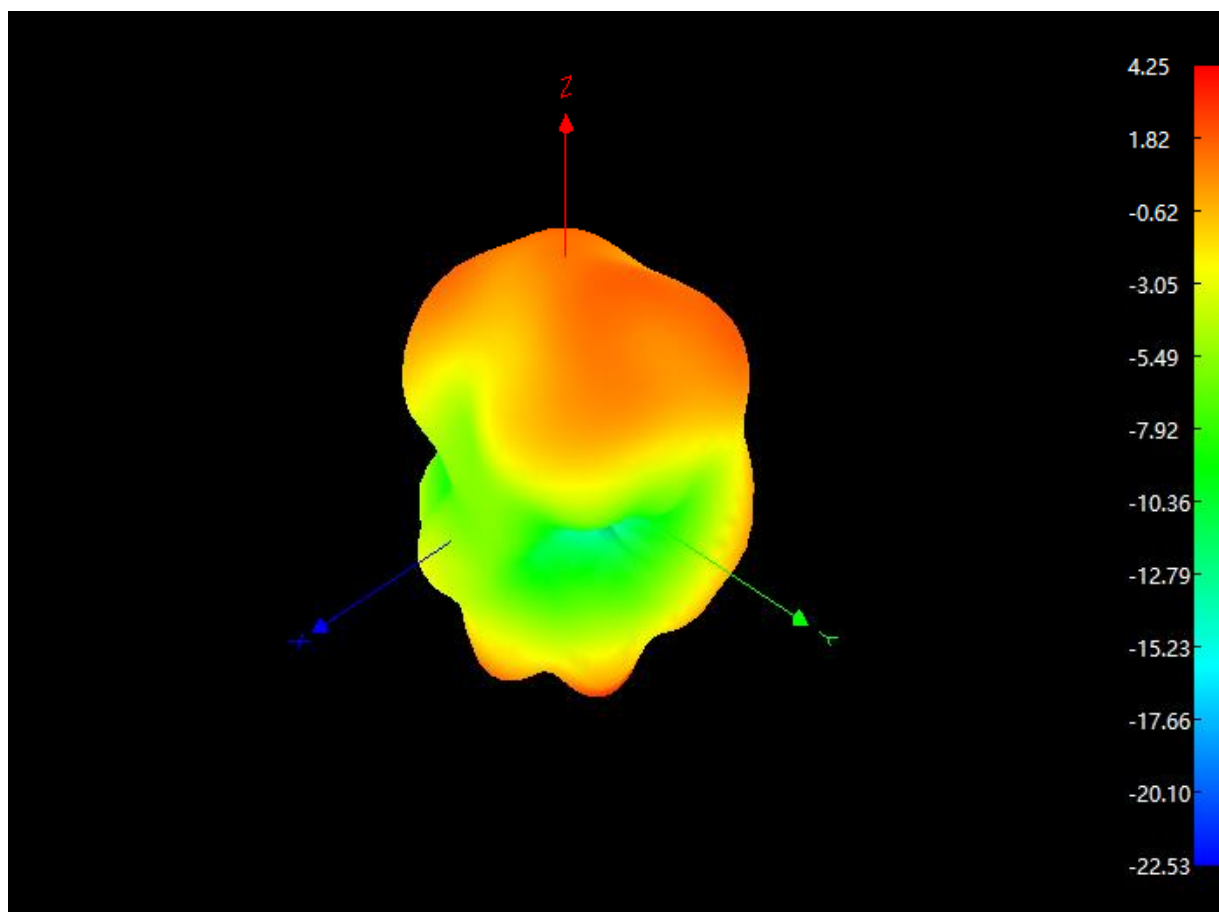


Passive Test For BT Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.9	-2.0	4.7
2410	62.5	-2.0	4.5
2420	62.3	-2.1	4.2
2430	64.3	-1.9	4.2
2440	64.3	-1.9	4.0
2450	65.5	-1.8	4.3
2460	62.7	-2.0	4.2
2470	64.6	-1.9	5.0
2480	62.5	-2.0	4.7
2490	63.5	-2.0	4.9
2500	60.1	-2.2	4.3





Radiation Pattern For BT Antenna(2450MHz)





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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

Device

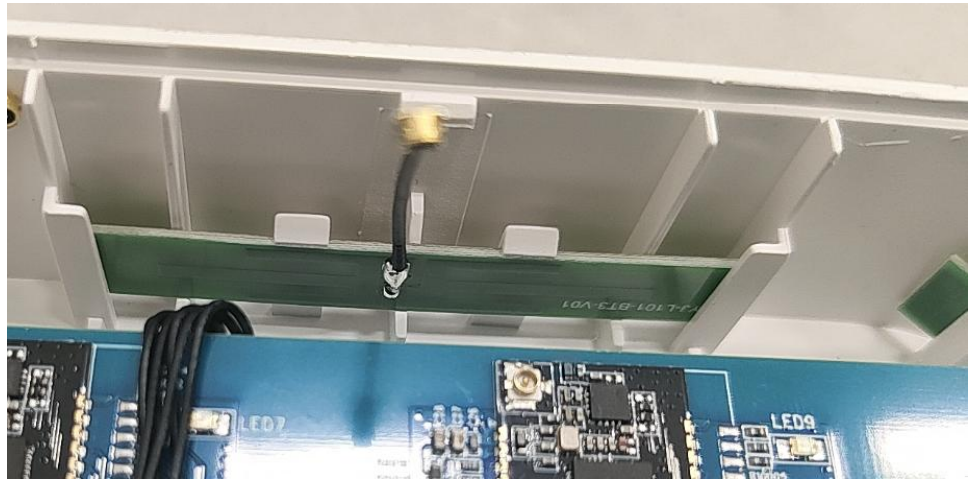


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东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

BT Antenna



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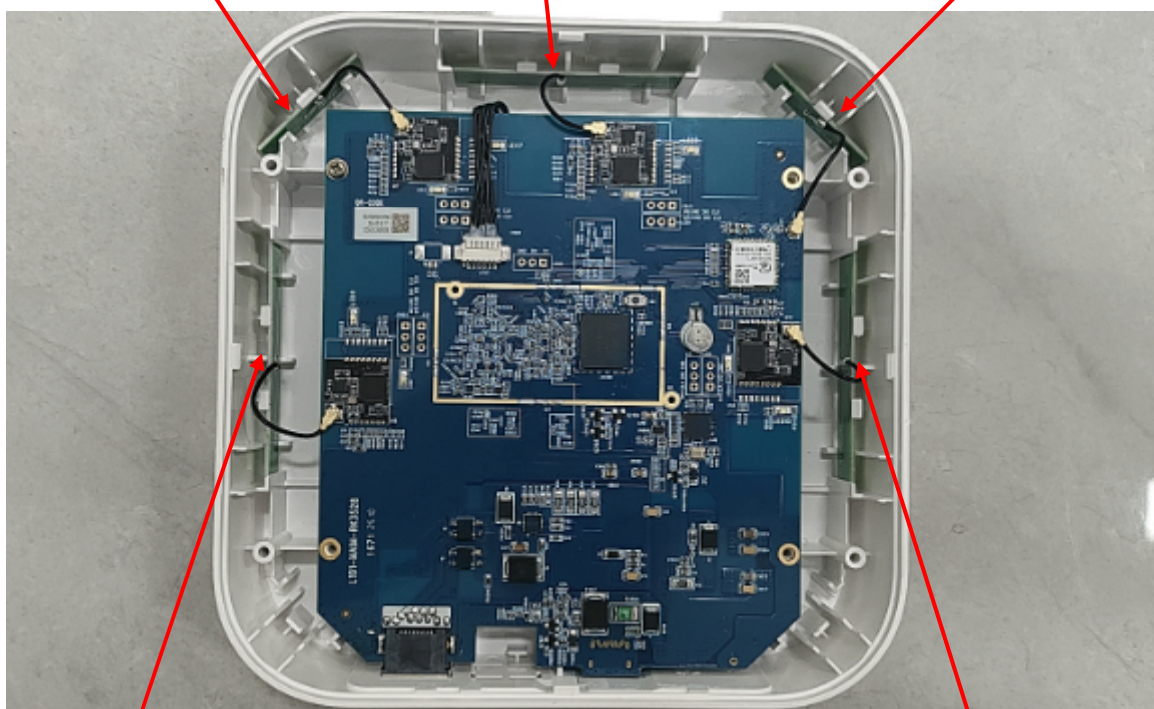


东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

BT Antenna

BT Antenna

WiFi Antenna



BT Antenna

BT Antenna



东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/03/27
编号 File No	25032705
版本 Revision	1.0

客户
CUSTOMER: 天波

客户料号
CUSTOMER NO: L101

品名
PART NAME: BT4 Antenna L=35mm MHF

供方料号
SUPPLIER NO: YJW01.076.297.305A

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

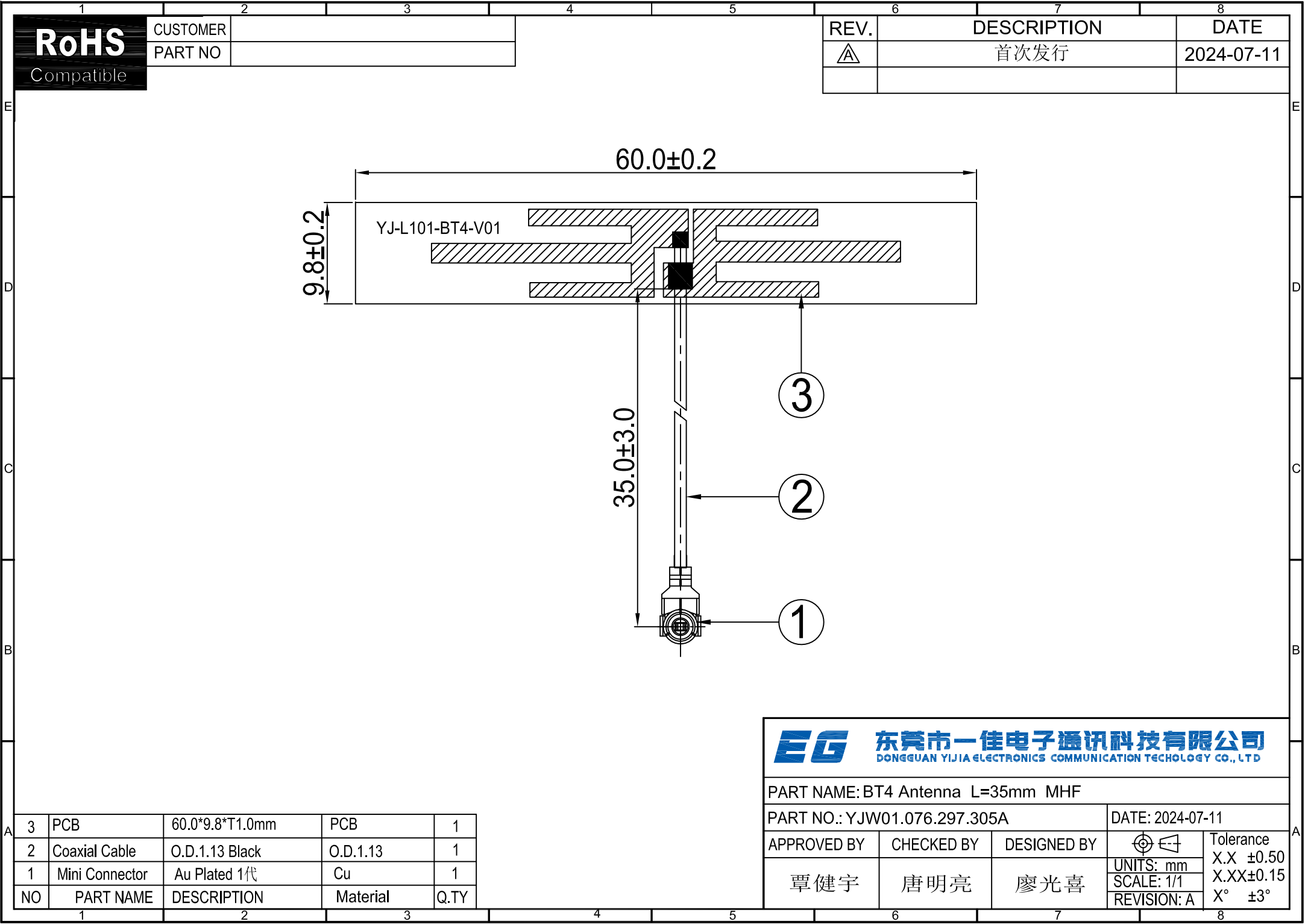




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10	RoHS报告 (RoHS Test Report)	**	**
11	N/A	N/A	N/A
12	-	-	-
13	-	-	-





RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-07-11

3	PCB	60.0*9.8*T1.0mm	PCB	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	1
1	Mini Connector	Au Plated 1代	Cu	1
NO	PART NAME	DESCRIPTION	Material	Q.TY

 东莞市一佳电子通讯科技有限公司 DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO.,LTD				
PART NAME: BT4 Antenna L=35mm MHF				
PART NO.: YJW01.076.297.305A			DATE: 2024-07-11	
APPROVED BY	CHECKED BY	DESIGNED BY	 UNITS: mm SCALE: 1/1 REVISION: A	Tolerance
覃健宇	唐明亮	廖光喜		X.X ±0.50
				X.XX±0.15
				X° ±3°



天线规格
Antenna Specification

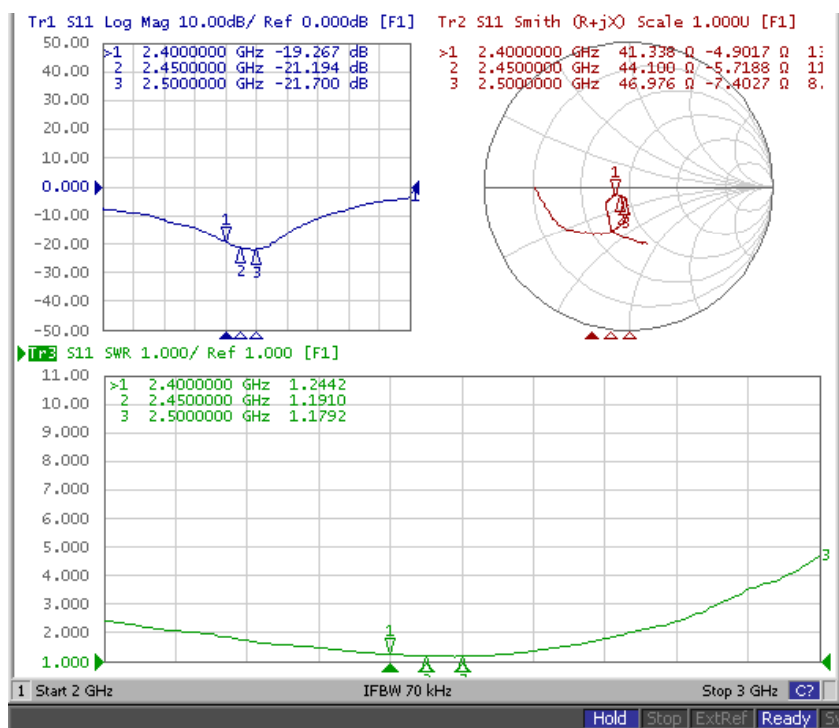
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	7.5 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	35mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





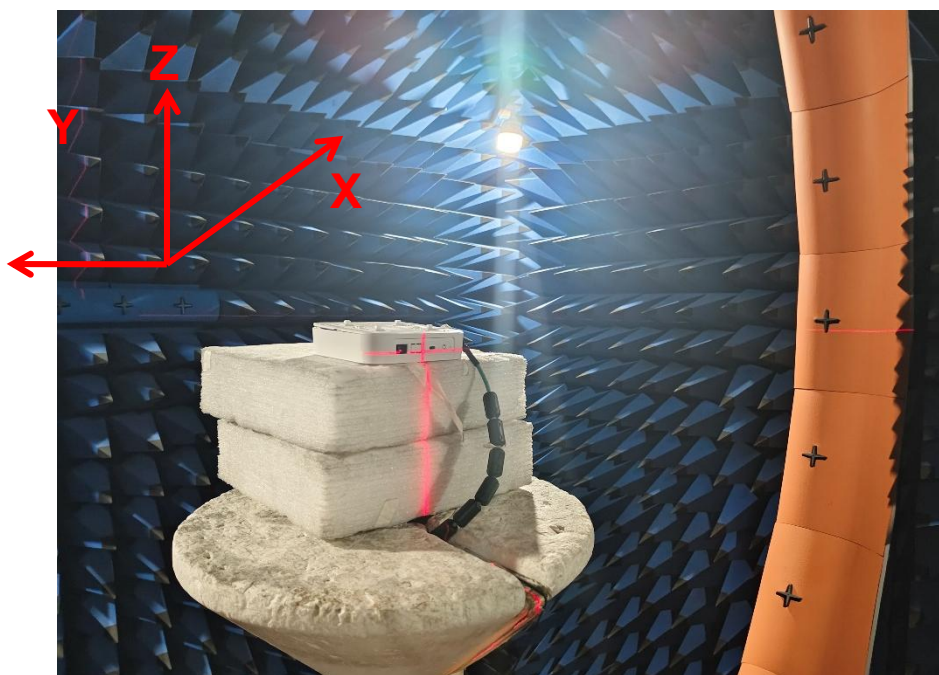
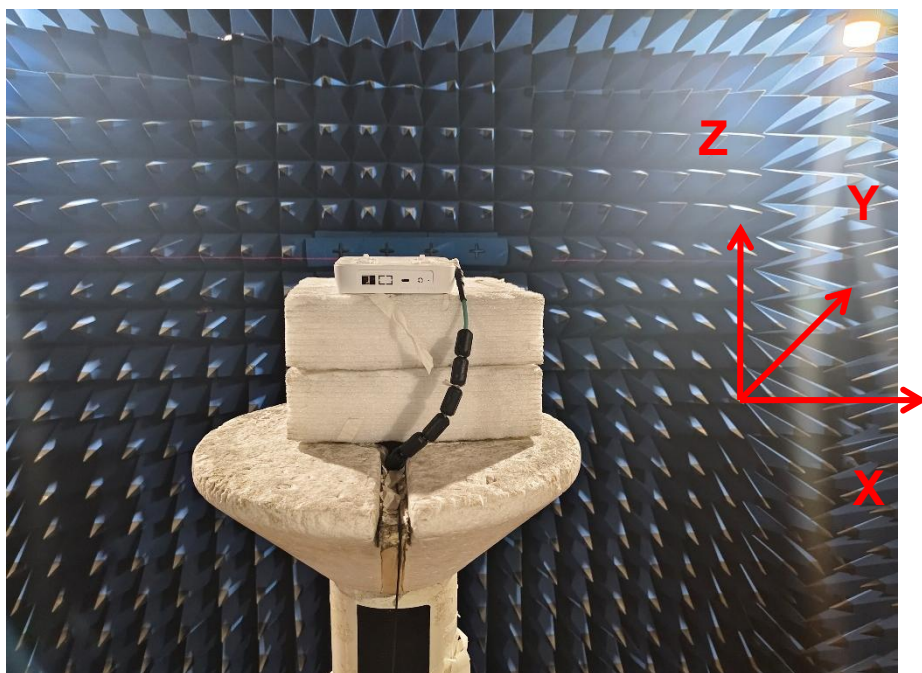
Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
BT
Antenna*





Antenna Passive Test



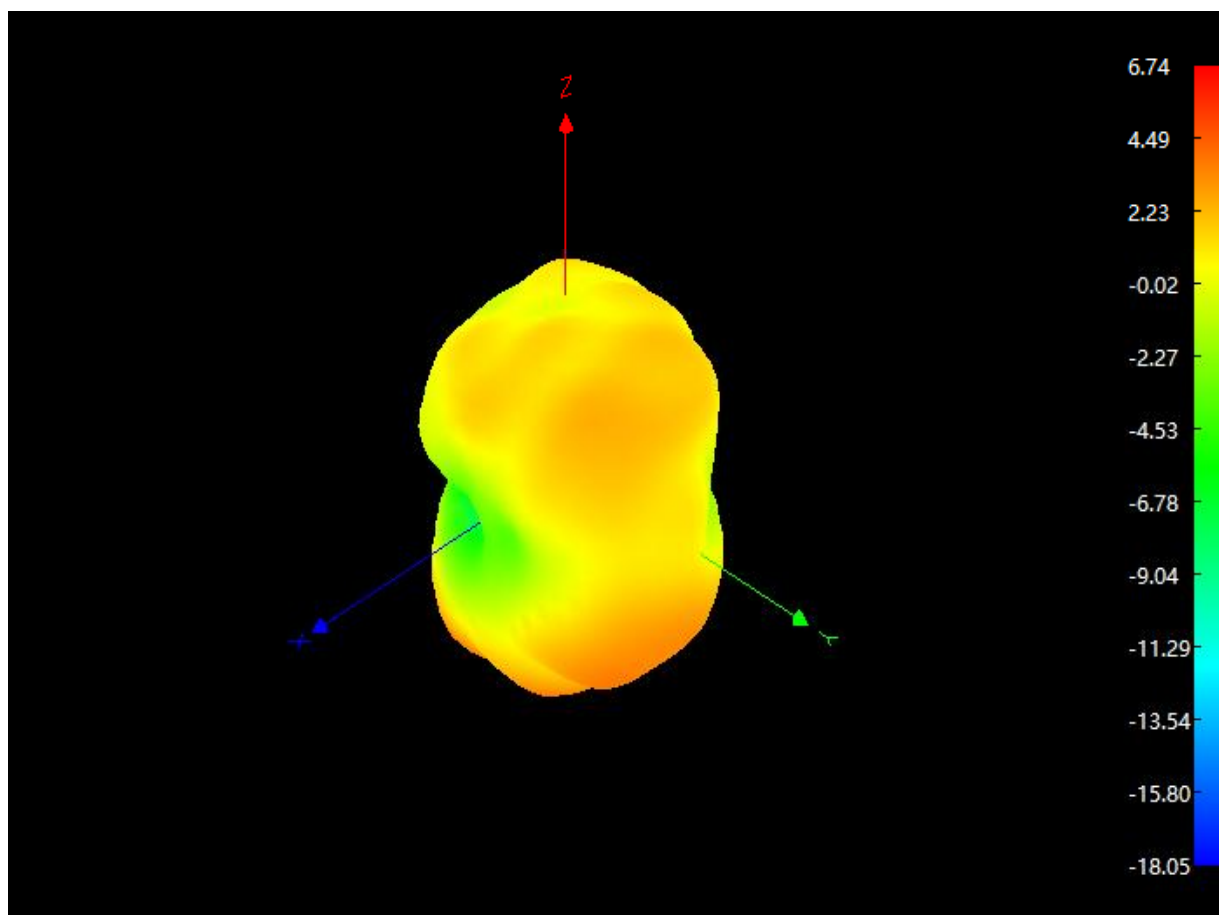


Passive Test For BT Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.5	-2.0	7.5
2410	62.1	-2.1	7.3
2420	60.3	-2.2	7.0
2430	62.3	-2.1	6.9
2440	62.0	-2.1	6.6
2450	60.5	-2.2	6.7
2460	61.8	-2.1	6.3
2470	62.8	-2.0	6.7
2480	62.8	-2.0	6.3
2490	64.6	-1.9	6.4
2500	60.5	-2.2	5.9





Radiation Pattern For BT Antenna(2450MHz)





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Device

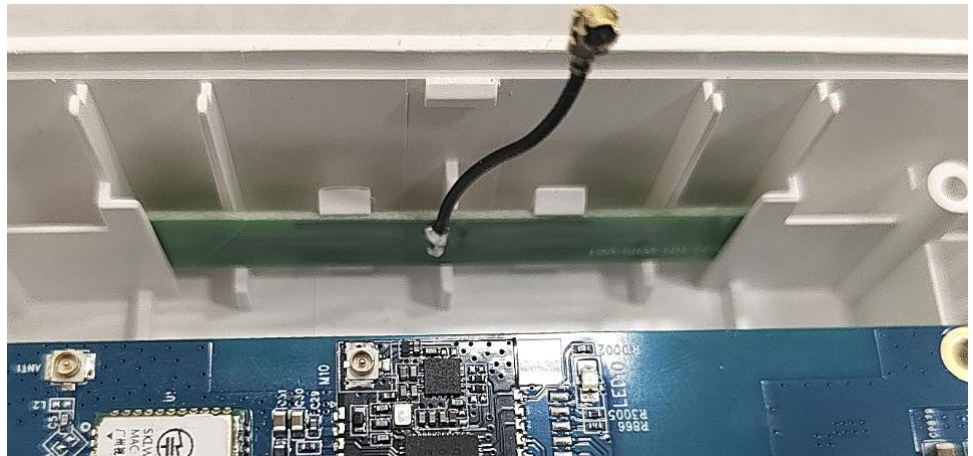


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BT Antenna



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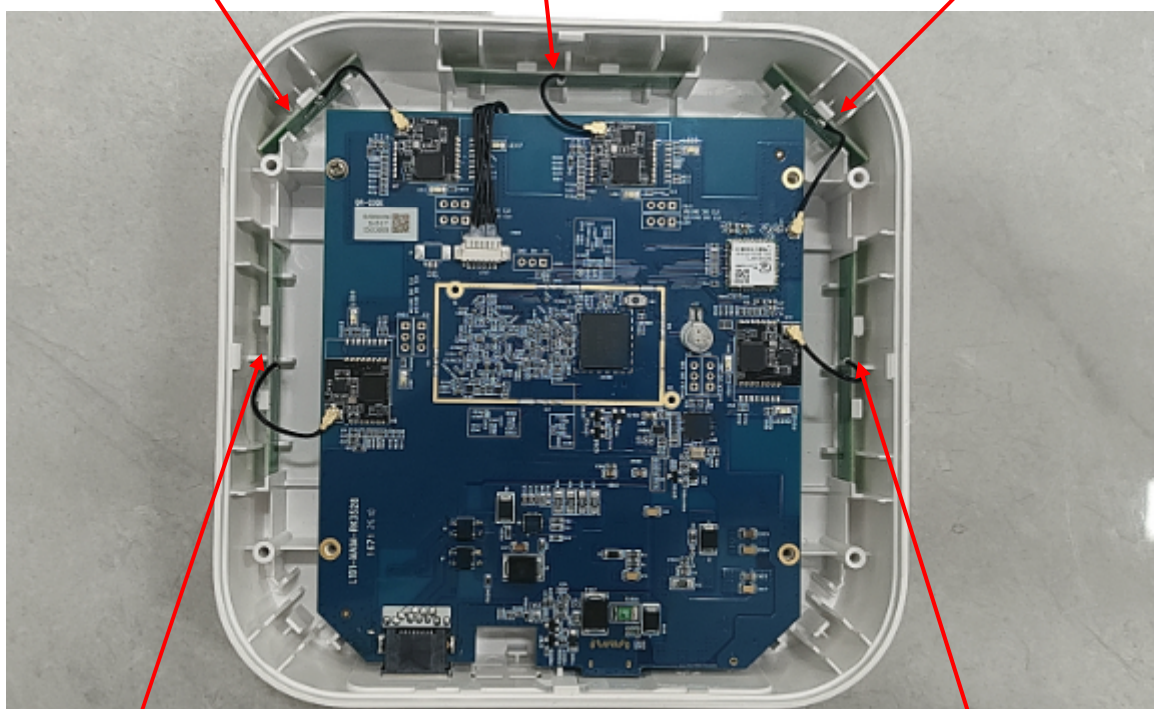


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