



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 2020/01/13
Date

编号 20011301
File No

版本 1.0
Revision

客户 Fortinet, Inc.

CUSTOMER: _____

客户料号 FT6

CUSTOMER NO: _____

品名 BT Antenna L=104mm Tin

PART NAME: _____

供方料号 YJL01.106.008.301A

SUPPLIER NO: _____

客户确认 CUSTOMER APPROVED BY

APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL	CHECK	DESIGN
 ChenGuoqiang	WenXue	ChenXingcheng

YJ-RD-F04-A

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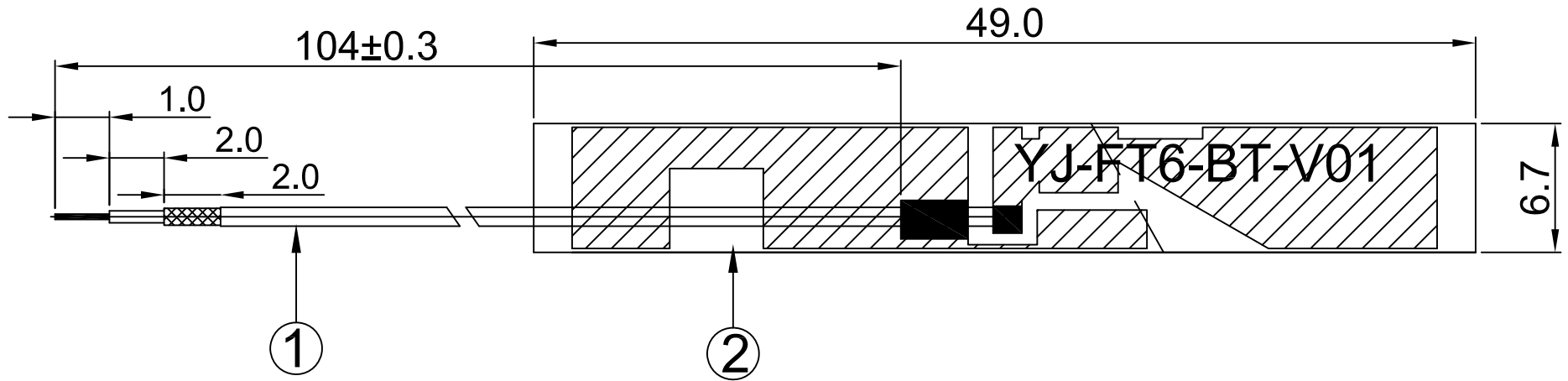


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RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2020-01-11



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PART NAME: BT Antenna L=104mm Tin			
PART NO.:YJL01.106.008.301A		DATE: 2020-01-11	
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
			UNITS: mm
			SCALE: 1/1
			REVISION: A

2	FPCB	49.0*6.7MM	FPCB	FPC113XXX.P01	1
1	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA10001A.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	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	2.9dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	None
Cable Type	O.D.1.13mm
Cable Length	104mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp.	-40~ +85 °C

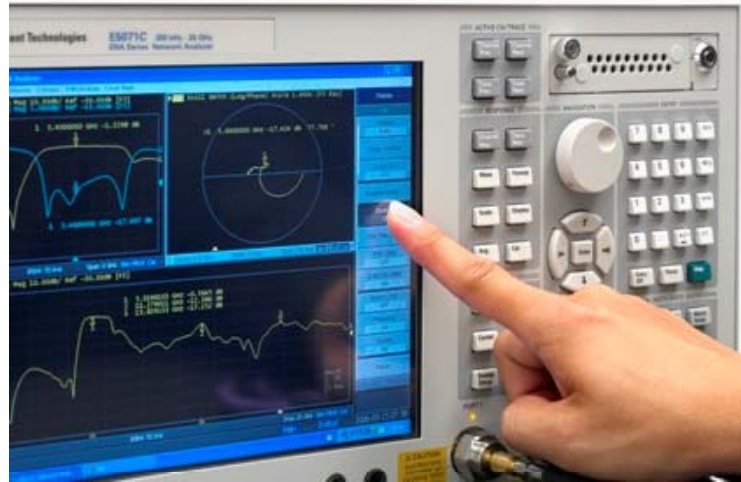
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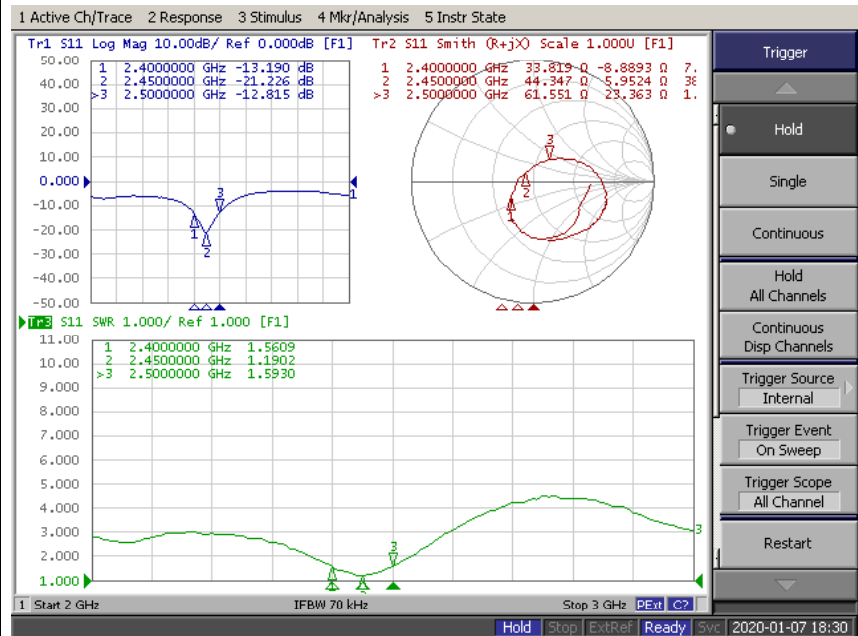


Antenna Performance Test

**Agilent
E5071B**



**S
Parameter
Test //
BT
Antenna**

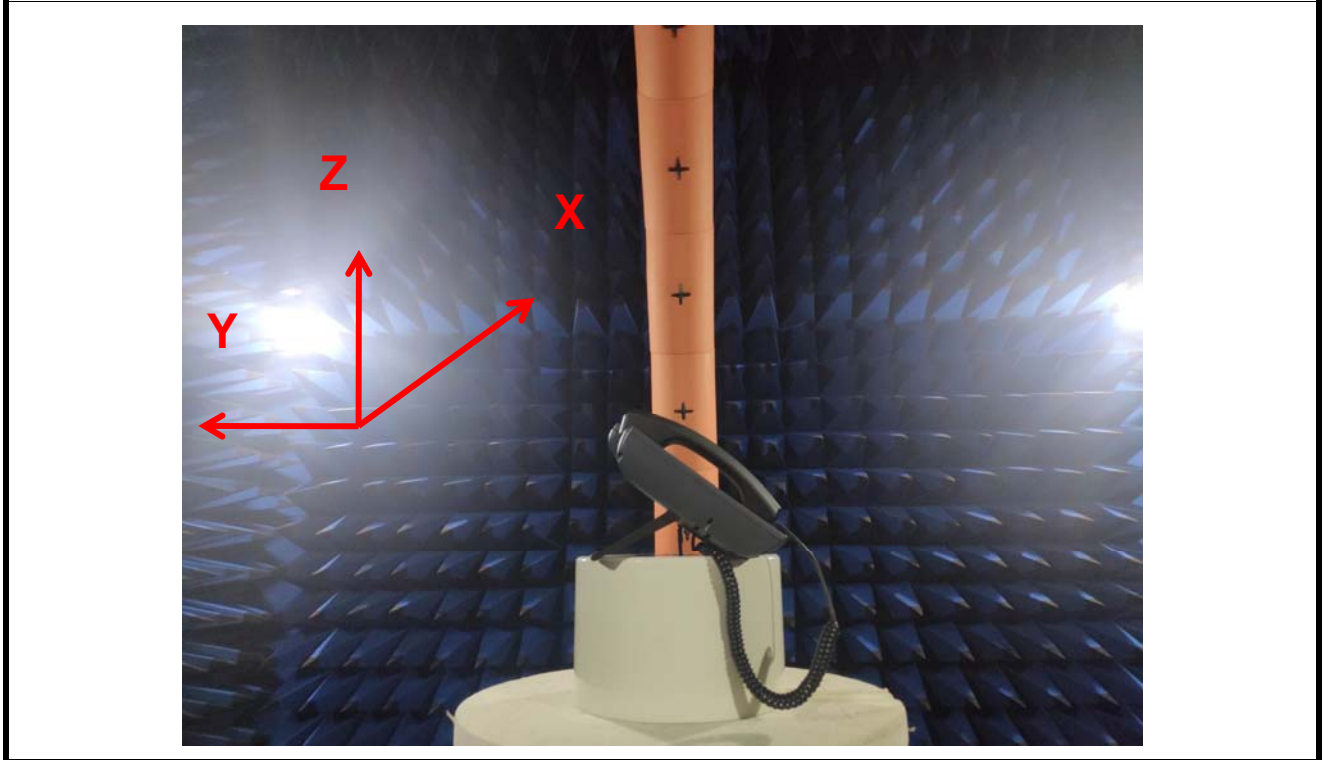
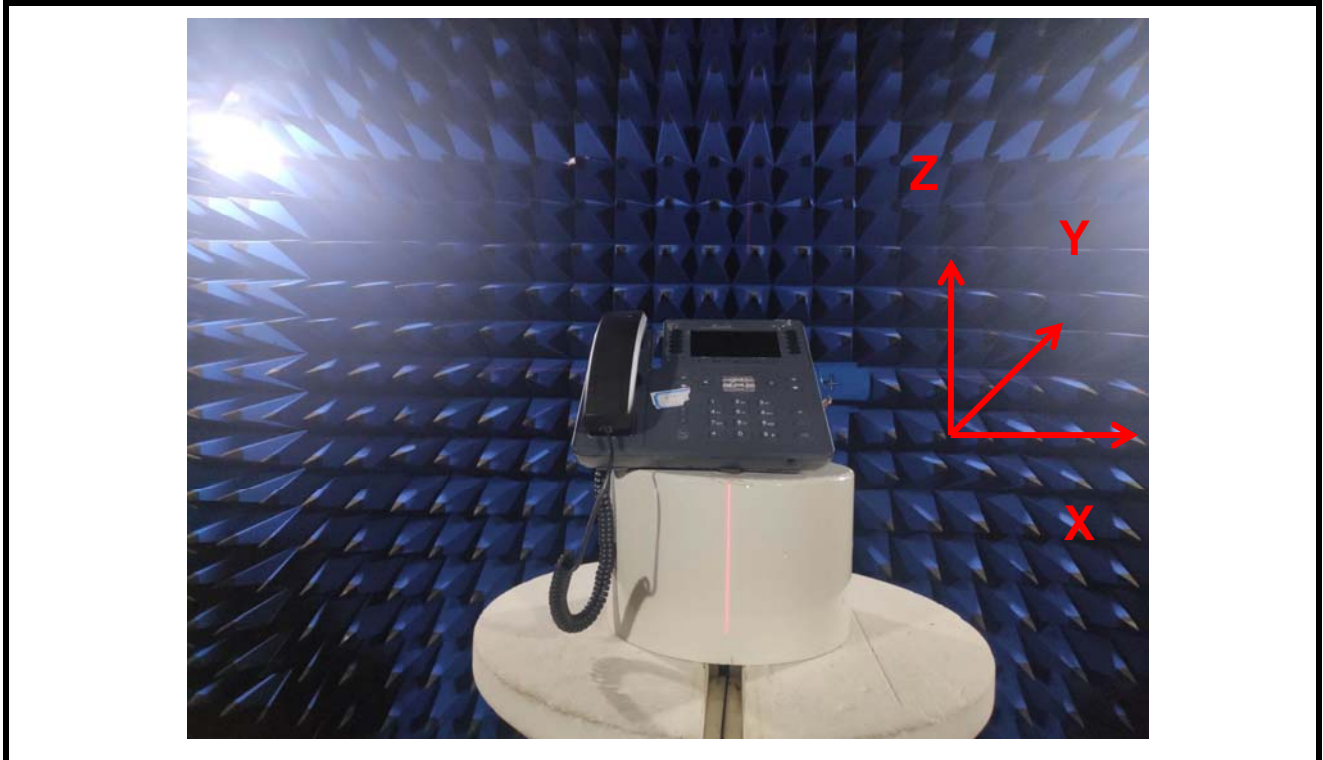


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Antenna Passive Test



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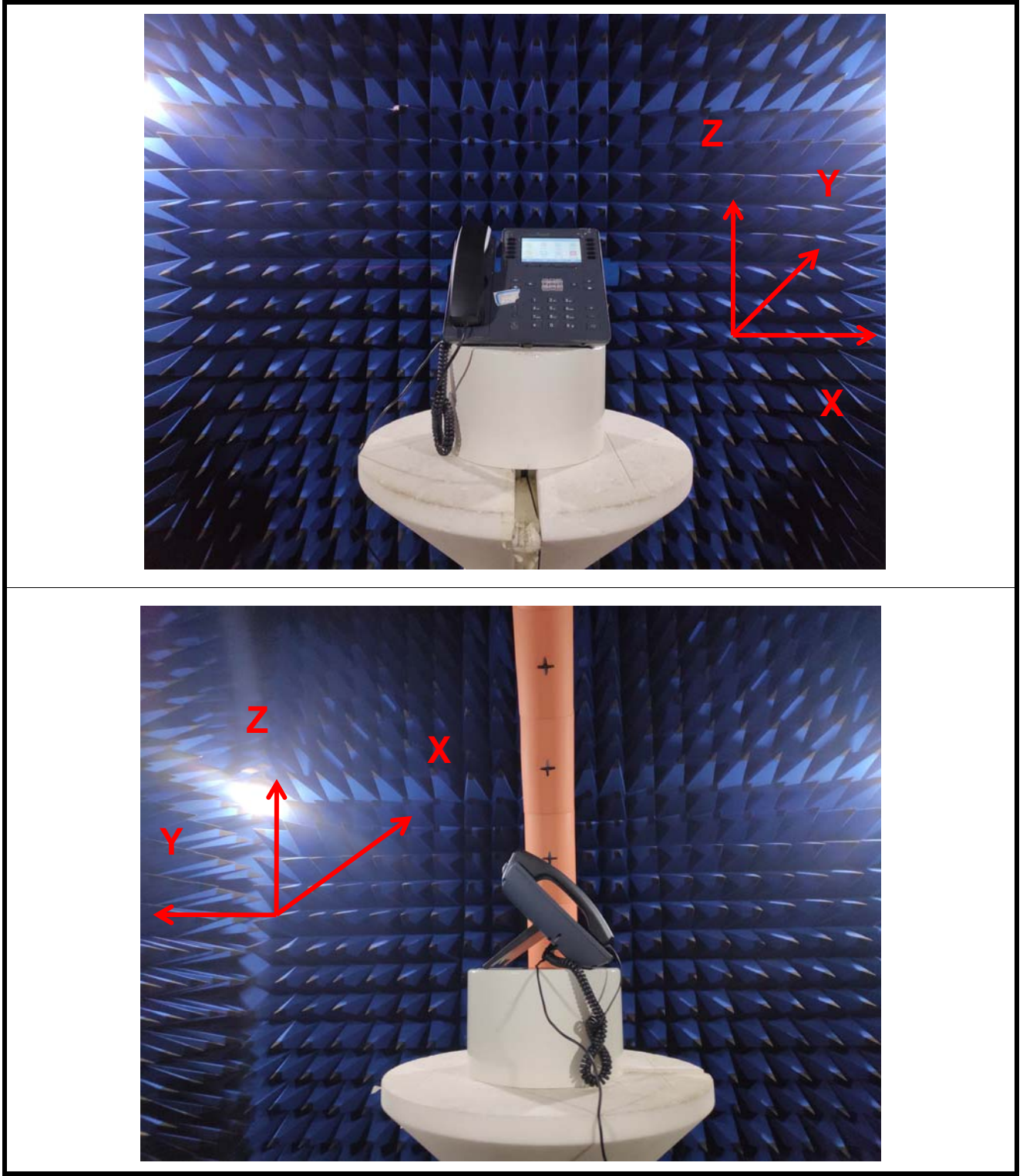
Passive Test For BT Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	47.5	-3.2	2.6
2410	46.3	-3.3	2.7
2420	47.6	-3.2	2.9
2430	49.3	-3.1	2.9
2440	47.6	-3.2	2.5
2450	46.5	-3.3	2.5
2460	48.1	-3.2	2.6
2470	48.2	-3.2	2.8
2480	46.8	-3.3	2.9
2490	47.2	-3.3	3.1
2500	48.2	-3.2	3.3

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Antenna Active Test



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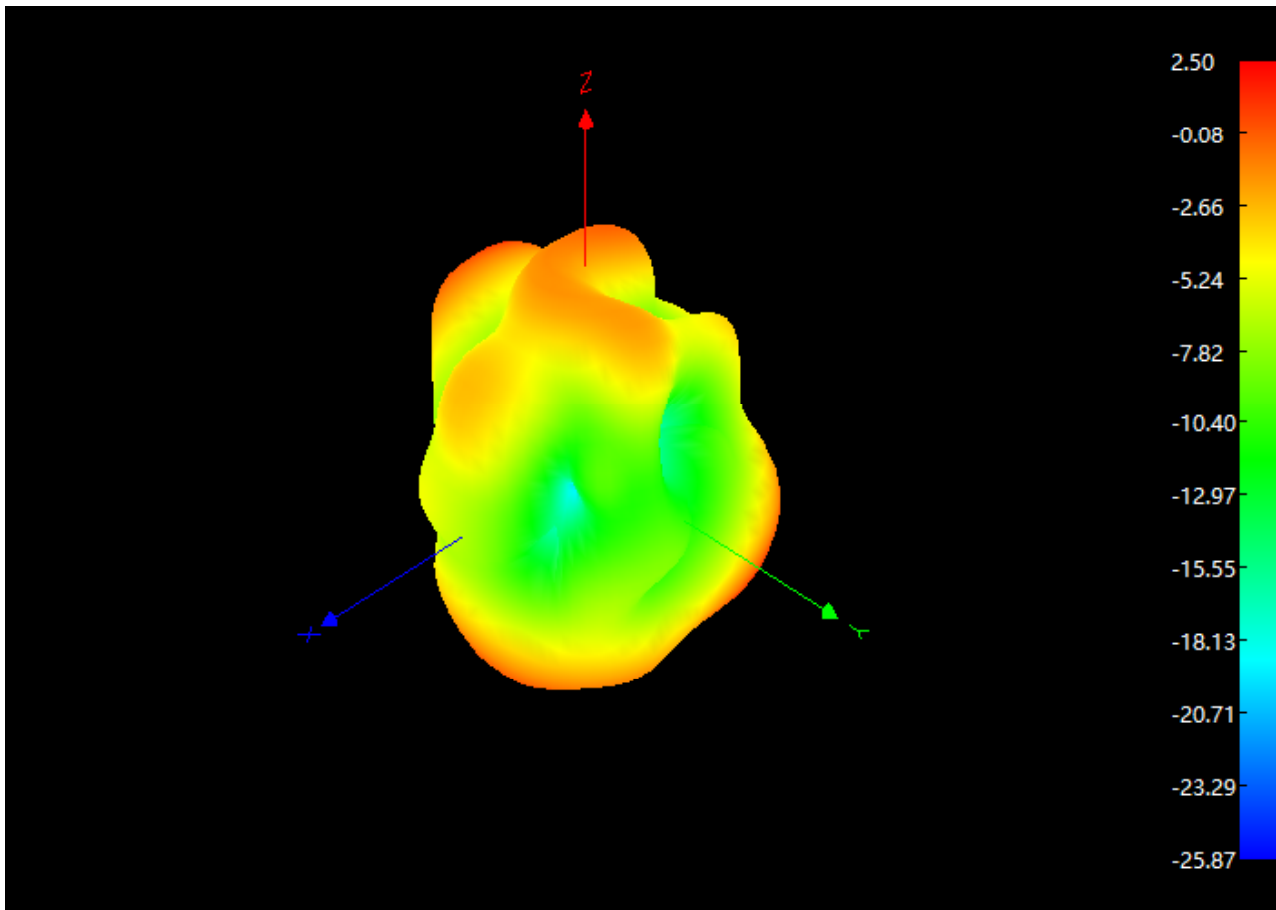
Active Test For BT							
Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
BT	0	DH1	4.1	7.8	DH1	-84.9	-87.6
	39		4.1	8.5		-85.1	-89.5
	78		4.3	8.9		-85.8	-88.3

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Radiation Pattern For BT(2450MHz)



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Device

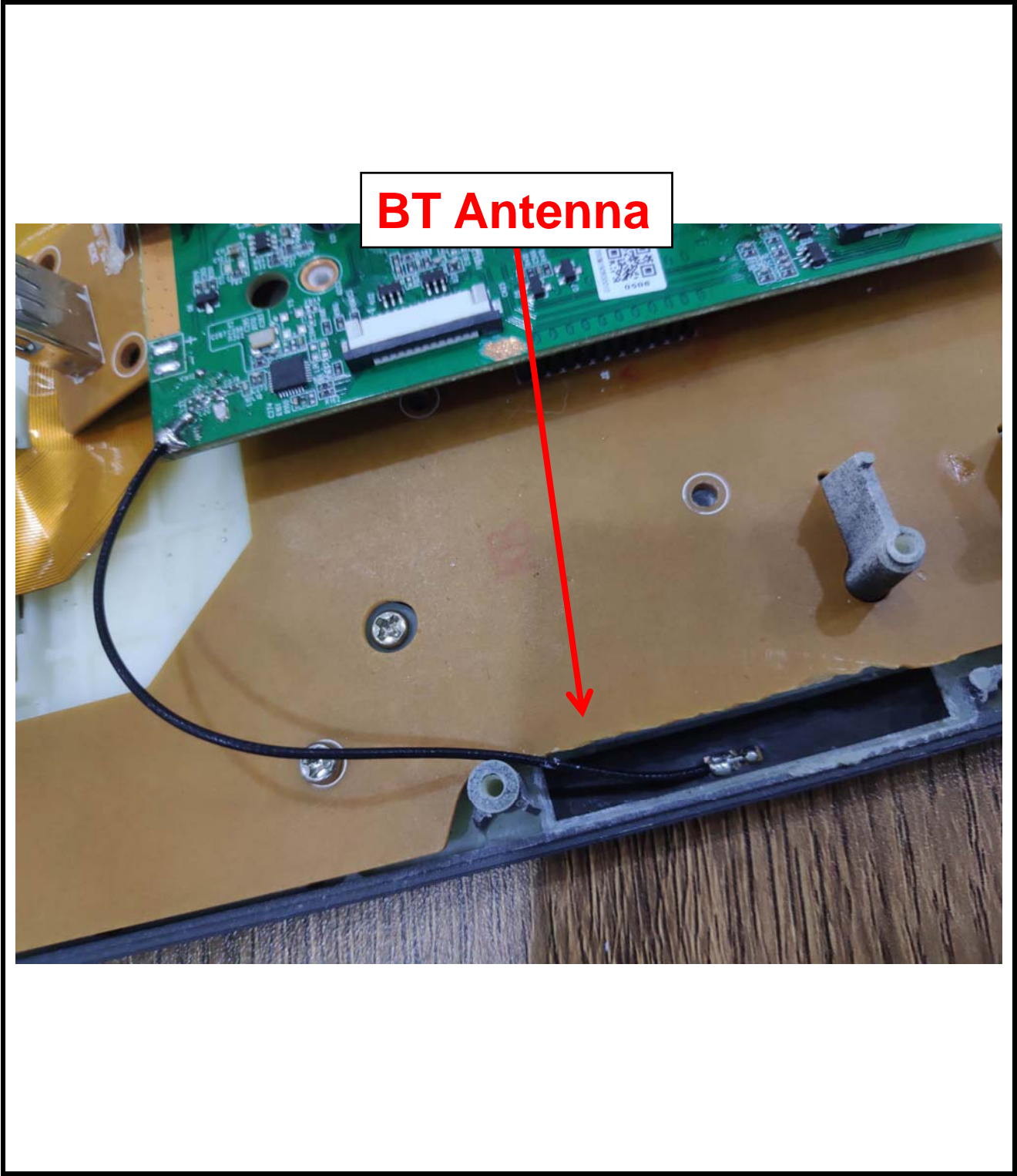


*BT
Antenna*



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BT Antenna