



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2026/03/11
编号 File No	26031101
版本 Revision	1.0

客户
CUSTOMER:

Autel Intelligent Technology Corp., Ltd.
Floor 2, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan Community,
Xili Sub-district, Nanshan District, Shenzhen City, China

客户料号
CUSTOMER NO:

DC2512

品名
PART NAME:

BT Antenna

供方料号
SUPPLIER NO:

YJI01.005.130.301A

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

ChenGuoqiang

ZhangLiqun

HuangTuyong

YJ-RD-F04-A





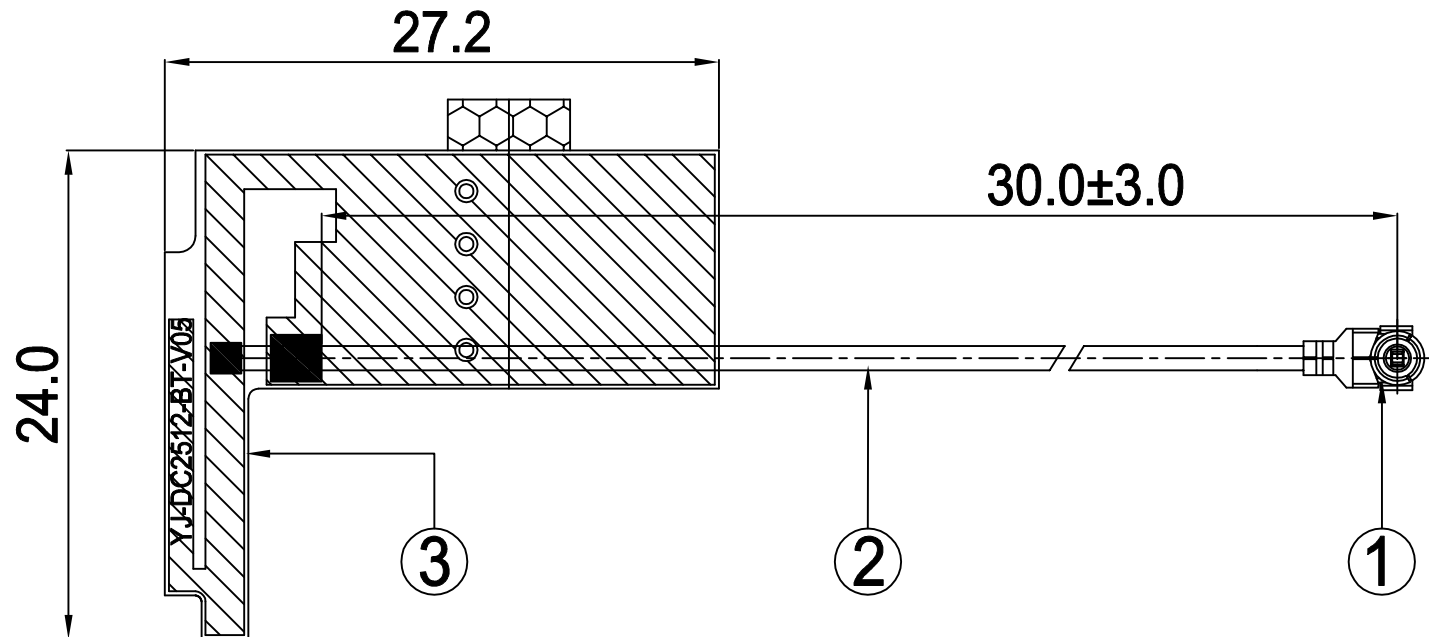
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12	N/A	N/A	N/A
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RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
A	首次发行	2026-03-11
B	天线改版优化	2026-03-11



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

PART NAME: BT Antenna

PART NO.: YJI01.005.130.301A

DATE: 2026-03-11

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

殷涛

雷志勤

陈兴易

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: A

X° ±3°

3	FPCB	27.2*24.0MM	FPCB	I01.005.130.FPC0101T	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA10001A.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER10001A.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	2.5 Max
Gain	0.6 dBi
Radiation	Omni-directional
Polarization	Linear
Antenna type:	FPC Antenna

Physical Properties

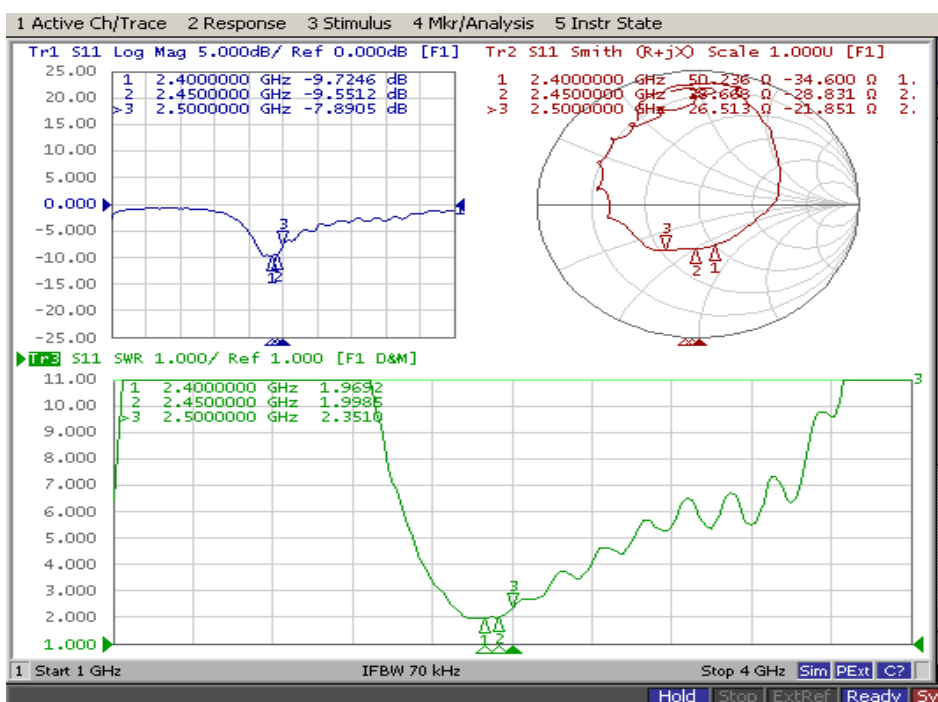
Connector	IPEX-1
Cable Type	O.D.1.13mm
Cable Length	30mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





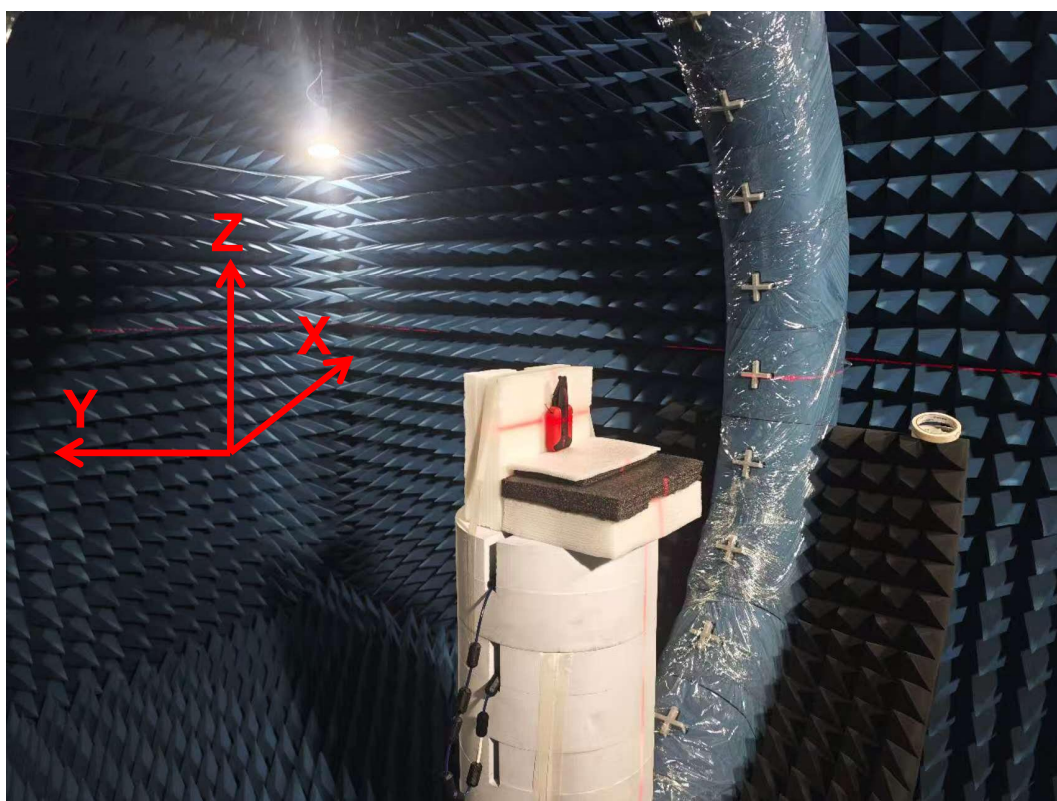
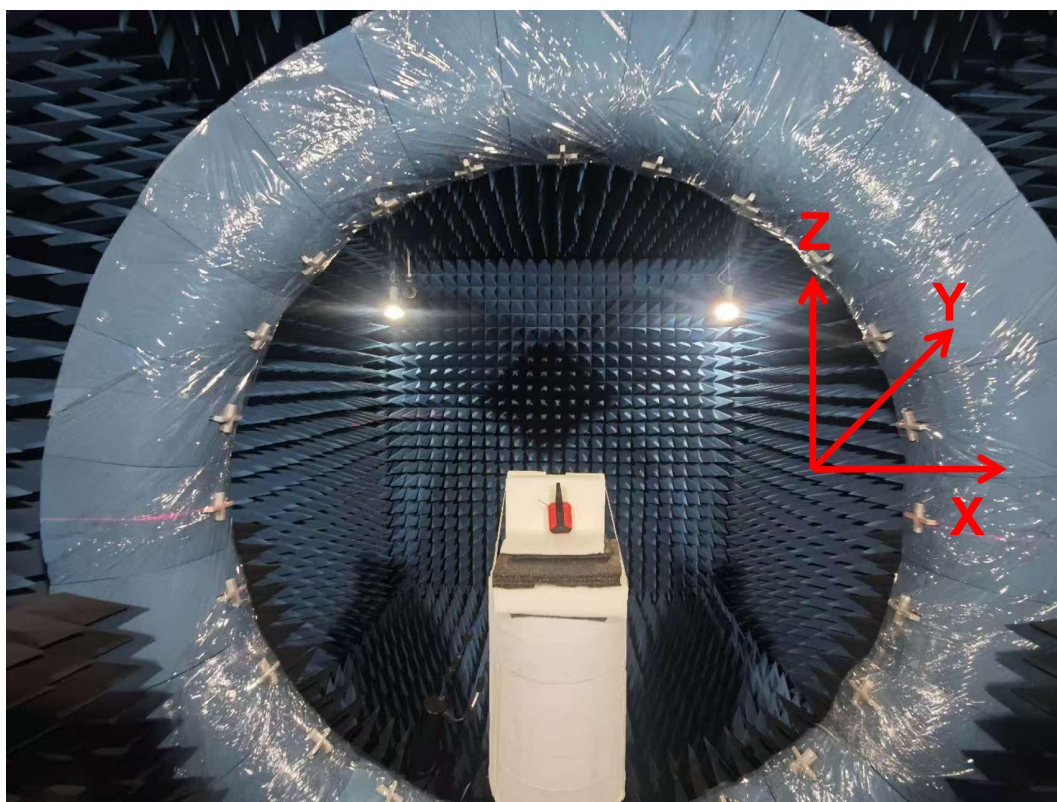
Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
BT
Antenna*





Antenna Passive Test





Passive Test For BT Antenna(2.4G)

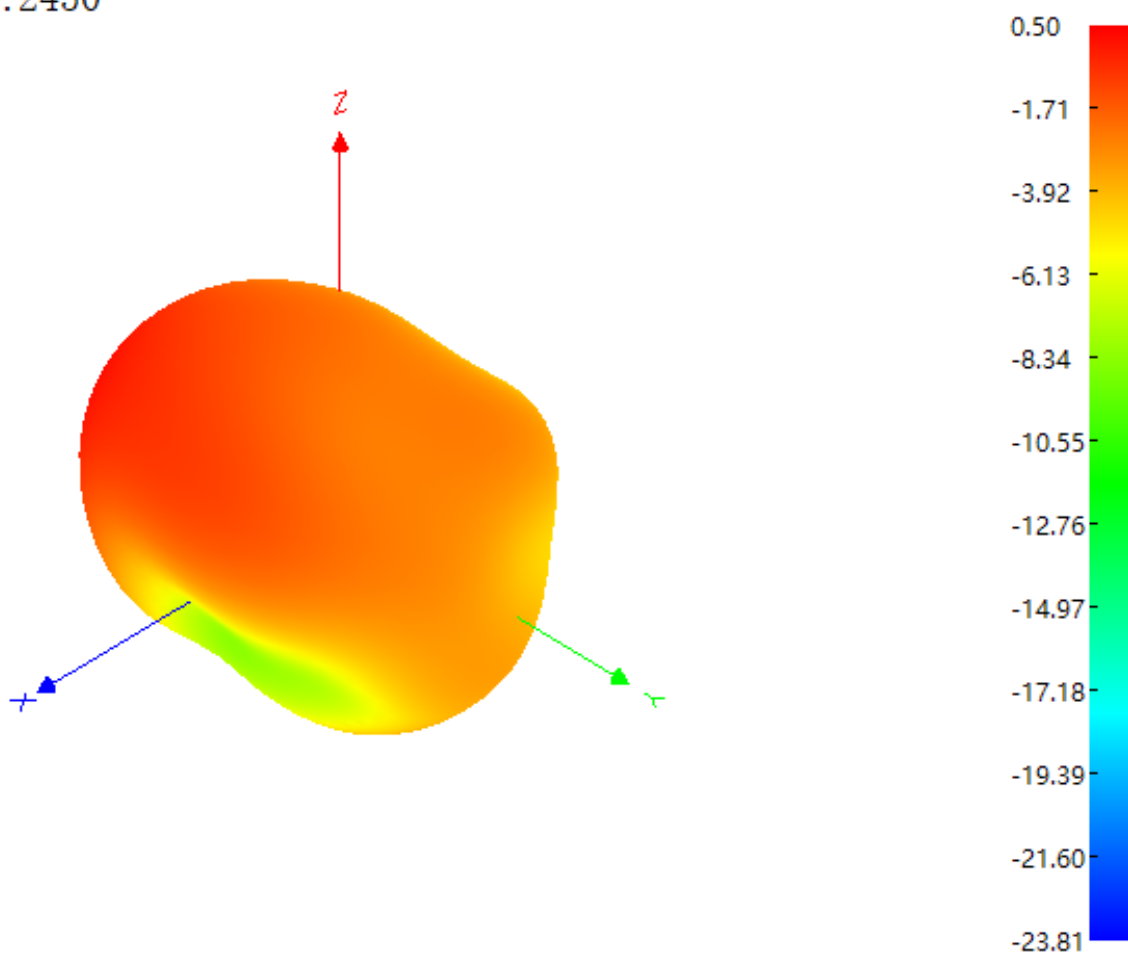
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	40.3	-3.9	0.1
2410	40.5	-3.9	0.3
2420	41.2	-3.8	0.4
2430	41.6	-3.8	0.4
2440	41.8	-3.8	0.6
2450	42.3	-3.7	0.5
2460	42.5	-3.7	0.5
2470	42.7	-3.7	0.0
2480	43.1	-3.6	0.1
2490	43.4	-3.6	0.2
2500	43.6	-3.6	0.3





Radiation Pattern For BT Antenna (2450MHz)

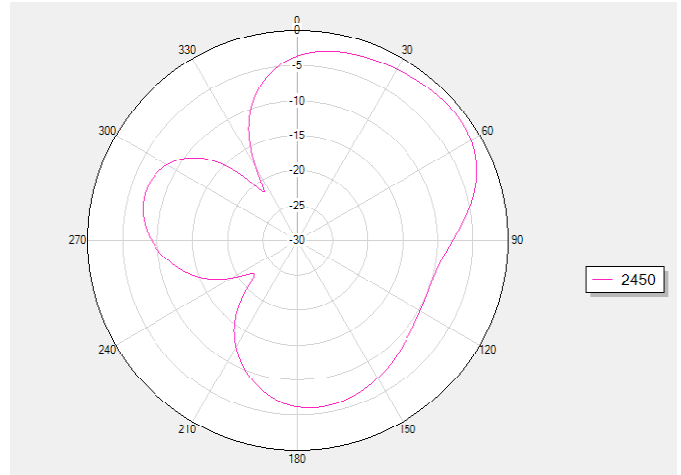
frequency (MHz) : 2450



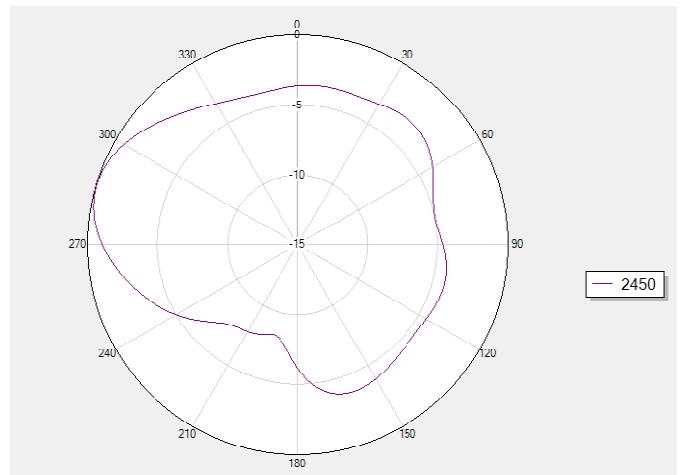


Radiation Pattern For BT Antenna

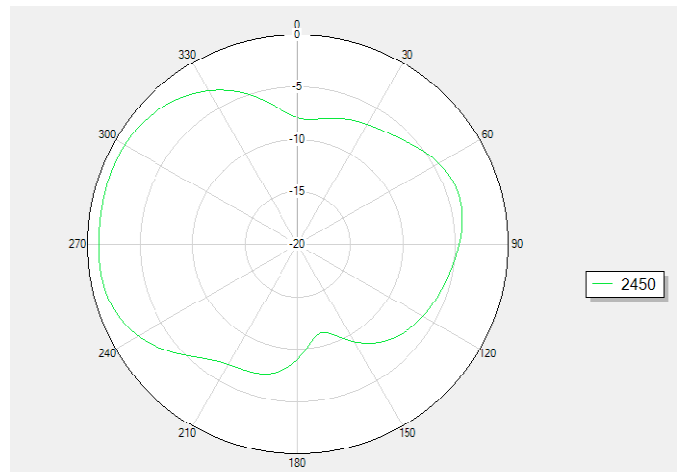
Phi 0°



Phi 90°



Theta 90°





Active Test For BT Antenna

Band	Channel	TRP	TIS
Blue Tooth Band 0	0	3.2	-87.2
	39	3.4	-87.4
	78	3.8	-87.5



Device





*BT
Antenna*



