

规格书

SPECIFICATION FOR APPROVAL

物料描述

DESCRIBE: Antenna For HY (D2431)

客户料号

Customer NO:

物料编码

PART NO: ATC1502-HY102B70RA

天线类型

Antenna type: WIFI0(7663)天线 (FPC+Cable) 黑

日期

DATE: 2025.07.23

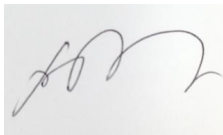
供应商

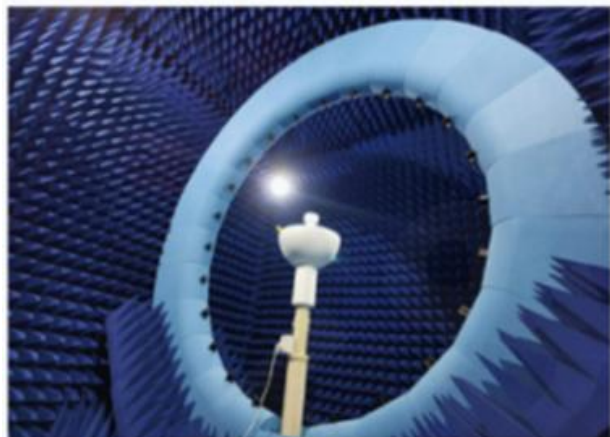
PROVIDER: 爱特恩科技（深圳）有限公司

深圳市宝安区石岩街道塘头一号路创维创新谷5#C栋201

AT&C Technology (Shenzhen) Co.

201, Building C, Chuangwei Innovation Valley, No.1 Tangtou Road, Shiyan Street, Bao'an District, Shenzhen, China

客户 承认 CustomerAdmi t	确认 confir m	研发/R & D	品质/Quality	采购/Procurement	核准/Approved
供应商 承认 SupplierAdmi t	确认 confir m	确认/Confirm	校对/Check	审核/Examine	批准/Approved
		资业辉	莫振文	徐丽英	



拥有SATIMO原装实验室7M*5M*5M的
24探头一座

星航3.5M*3.5M*3.5M的24探头一座
频率范围均为400MHZ-8.5GHZ

2/3/4/5G、

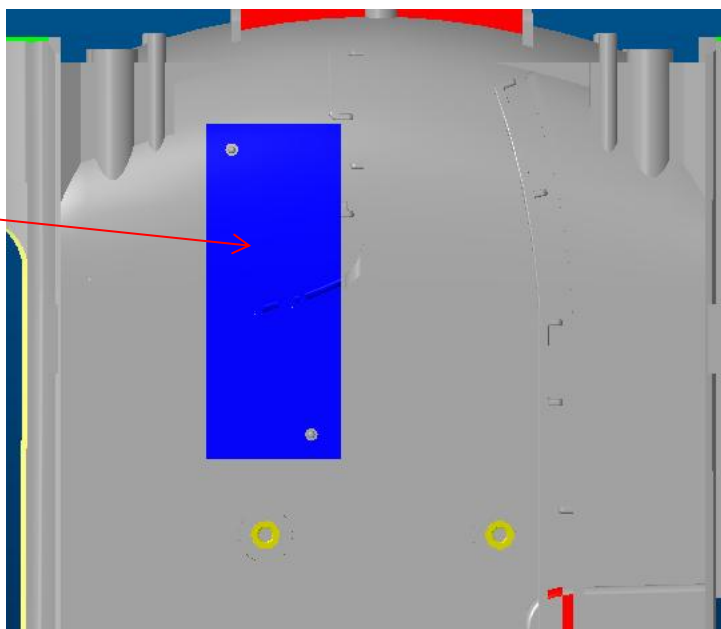
WIFI A/B/G/N/AC/AX

BT

GPS

NB-10T等有源测试, 拥有模拟人头手测试设备

WIFI0 ANT



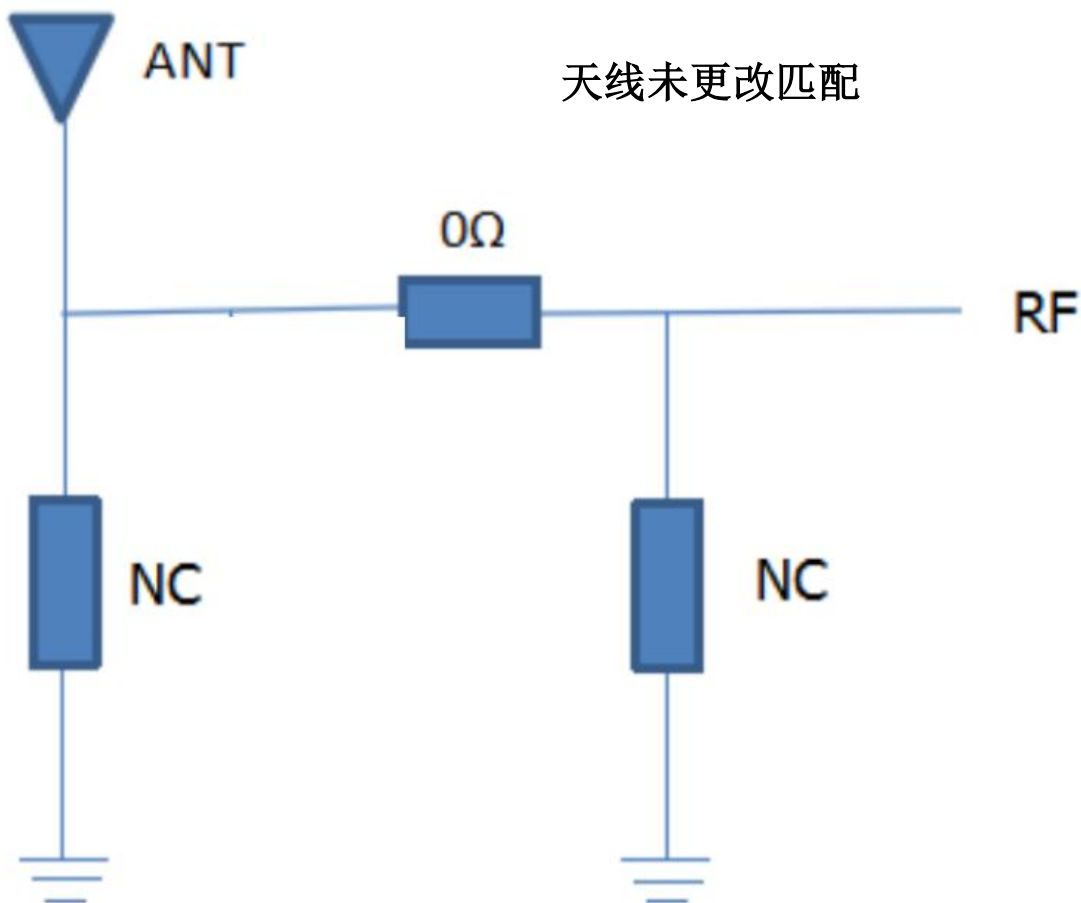


BOM

Customer 客户	海翼	Written By 制作	ZYH	Orig. Date 制作日期	2025.07.23
Part Number 料号	ATC1502-HY102B70RA	Revised By 校订	SHIN	Revised Date 校订日期	2025.07.23
Description 零件名称	WIFI0 ANT	Approved By 确认	HJ	Approved Date 确认日期	2025.07.23

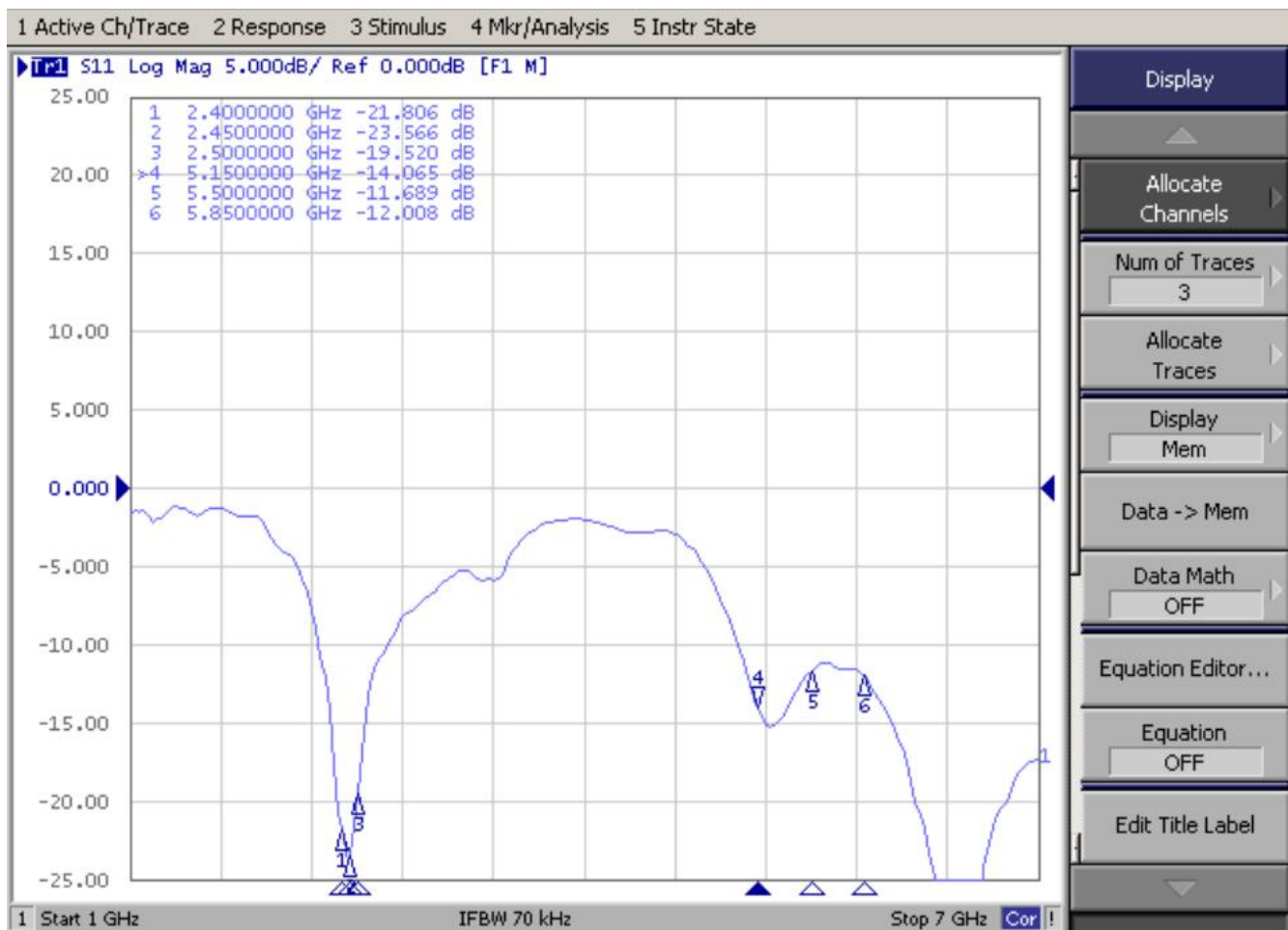
Customer number	ATC number	Part name
	ATC1502-HY102B70RA	40.2*16*0.12, PI+CU, 黑色同轴线, 线径1.13, 线长63mm, 配一代端子

Customer 客户	海翼	Written By 制作	ZYH	Orig. Date 制作日期	2025.07.23
Part Number 料号	ATC1502-HY102B70RA	Revised By 校订	SHIN	Revised Date 校订日期	2025.07.23
Description 零件名称	WIFI0 ANT	Approved By 确认	HJ	Approved Date 确认日期	2025.07.23



天线网分图(Antenna S11/SWR)

Customer 客户	海翼	Written By 制作	ZYH	Orig. Date 制作日期	2025. 07. 23
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Description 零件名称	WIFI0 ANT	Approved By 确认	HJ	Approved Date 确认日期	2025. 07. 23





无源数据 (Passive Test Results)

Customer 客户	海翼	Written By 制作	ZYH	Orig. Date 制作日期	2025. 07. 23
Part Number 料号	ATC1502-HY102B70RA	Revised By 校订	SHIN	Revised Date 校订日期	2025. 07. 23
Description 零件名称	WIFI0 ANT	Approved By 确认	HJ	Approved Date 确认日期	2025. 07. 23

(2.4G) Passive Test Results(无源测试结果)

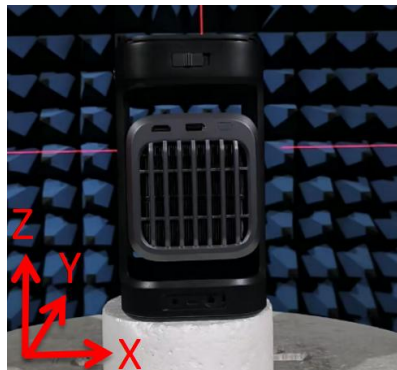
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Max Gain (dBi)
2400	64.67%	-1.89	3.74
2420	66.36%	-1.78	3.72
2440	66.44%	-1.78	3.56
2450	65.67%	-1.83	3.71
2460	63.46%	-1.98	3.78
2480	65.15%	-1.86	3.99
2500	64.63%	-1.90	4.02
AVG:	65.20%	-1.86	3.79

(5G) Passive Test Results(无源测试结果)

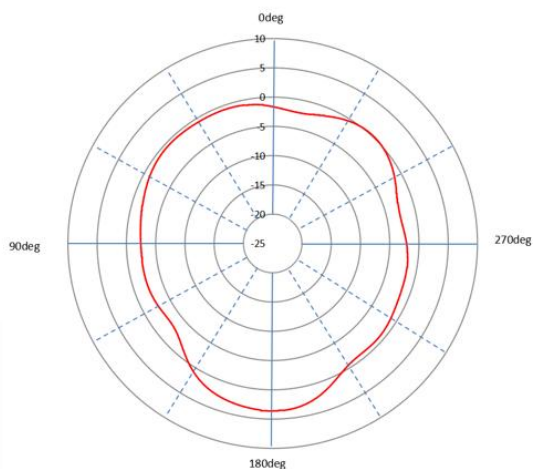
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Max Gain (dBi)
5150	52.97%	-2.76	4.45
5200	53.93%	-2.68	4.96
5250	52.89%	-2.77	5.18
5300	52.98%	-2.76	5.33
5350	54.08%	-2.67	5.43
5400	55.13%	-2.59	5.53
5450	53.43%	-2.72	5.28
5500	54.51%	-2.64	5.37
5550	54.35%	-2.65	5.34
5600	52.78%	-2.77	5.13
5650	55.24%	-2.58	5.30
5700	54.43%	-2.64	5.54
5750	56.06%	-2.51	5.68
5800	57.19%	-2.43	5.14
5850	56.89%	-2.45	5.17
AVG:	54.46%	-2.64	5.25

2D辐射方向图(2D Radiation Pattern)

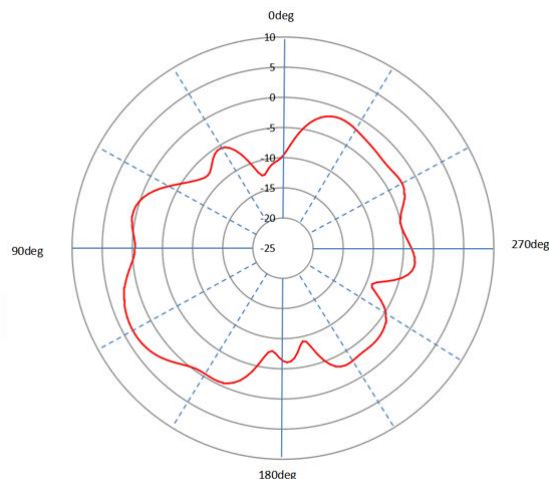
Customer 客户	海翼	Written By 制作	ZYH	Orig. Date 制作日期	2025. 07. 23
Part Number 料号	ATC1502-HY102B70RA	Revised By 校订	SHIN	Revised Date 校订日期	2025. 07. 23
Description 零件名称	WIFI0 ANT	Approved By 确认	HJ	Approved Date 确认日期	2025. 07. 23



2. 4G, 水平方向 (X-Y面)

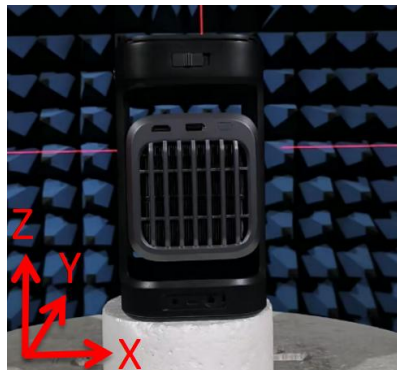


5G, 水平方向 (X-Y面)

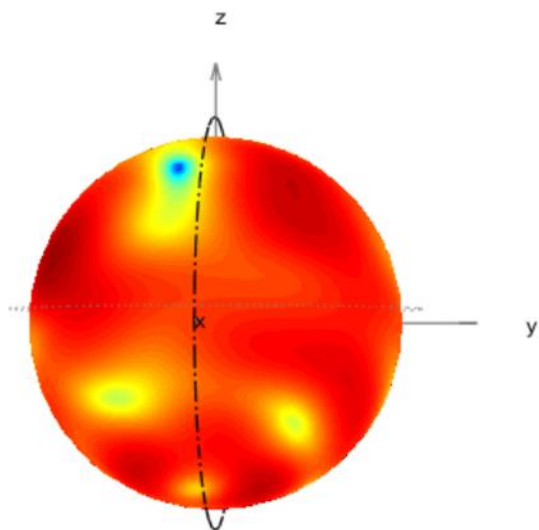


3D辐射方向图 (3D Radiation Pattern)

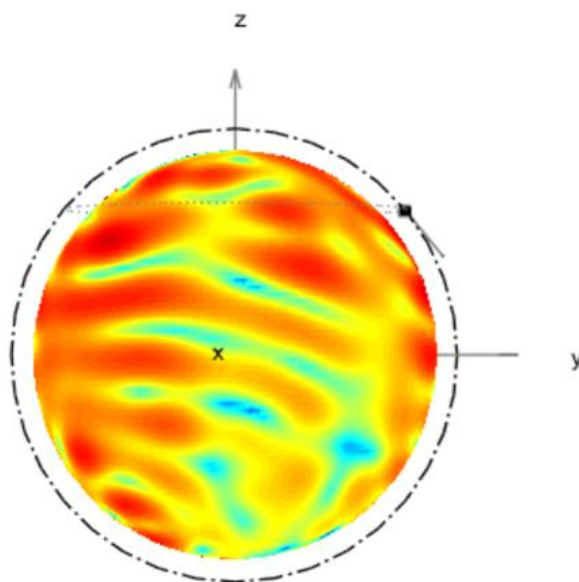
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2.4G



5G



ATNC-S-01-A4



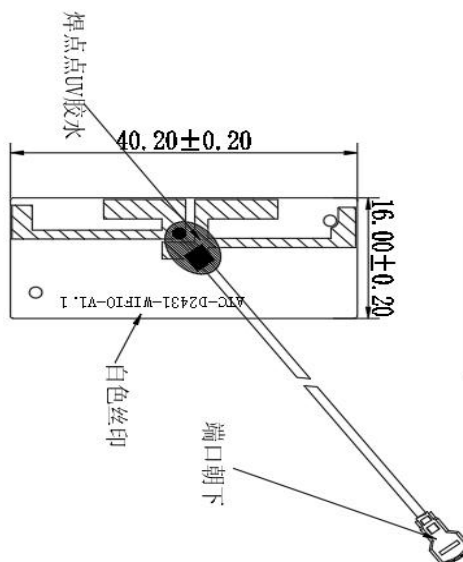
A4(297X210)

(10.0mm)

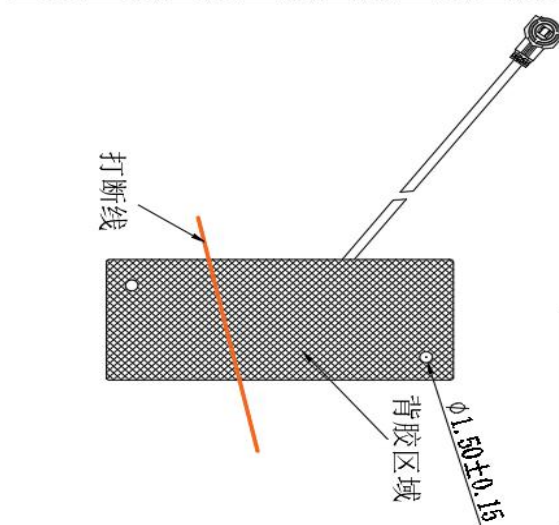
Proto Size A4(263X198)

- Note:**
- 1:一般公差按: $\pm 0.15\text{mm}$, 焊接 63mm 长同轴线配1代端子
 - 2: 产品表面黑色油墨, 白色丝印, 如图位置所示, PE 袋包装, 数量整数
 - 3: 背胶使用3M 9471 材质1对半 产品厚在 $0.1-0.12\text{mm}$
 - 4: 测试尺寸需除云离子纸附贴平面进行测量。
 - 5: 正面, 背面, 外面不可有气泡及异物, 盐雾需过48H
 - 6: 材料需符合ROHS, REACH, 无卤要求

☉ 正面 (TOP)



☉ 背面 (BOTTOM)



黑色

1.13

1代端子

63 ± 2

X	± 0.5	3rd ANGLE	PROJECTION	AT&C	PART NAME	AT&C Co., LTD.(Shenzhen)	REV.
.X	± 0.25	© COPYRIGHT AT&C 2009.04.05			D2431 PPC+ cable		A
.XX	± 0.10	THIS NOTICE DOES NOT IMPLY PUBLICATION			WIFI10-Ant		
.XXX	± 0.05						
CHECKED BY		SIZE	mm	MODEL NAME			
DRAWN BY	ZYH	UNITS	mm	DRAWING NUMBER	ATC1502-HY102B70RA		
APPROVED BY	ins	SCALE	1:1	DRAWING DATE	2025.06.20		