



Advanced Technology & Communications

A1765_Antenna Report V1

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AT&C Technologies(shenzhen)Co.,Ltd.
Room 201, Building C, No. 5, Skyworth Innovation Valley, Tangtou No. 1 Road, Shiyao Street, Bao'an District, Shenzhen

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公司简介

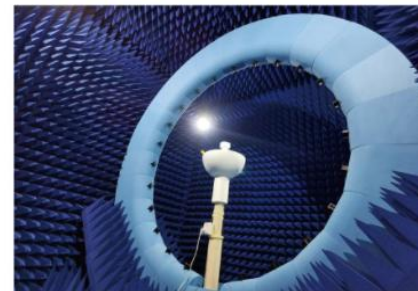
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公司主要从事与开发安防类、智能家居类的电子产品。目前拥有3座微波暗室、模拟人头手测试、网络分析仪等。

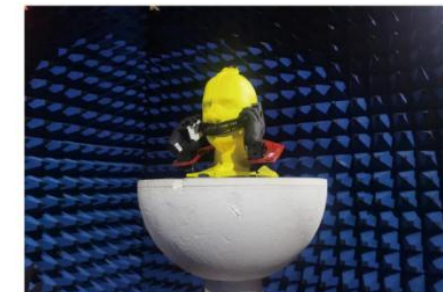
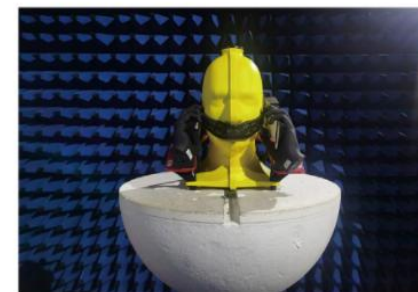
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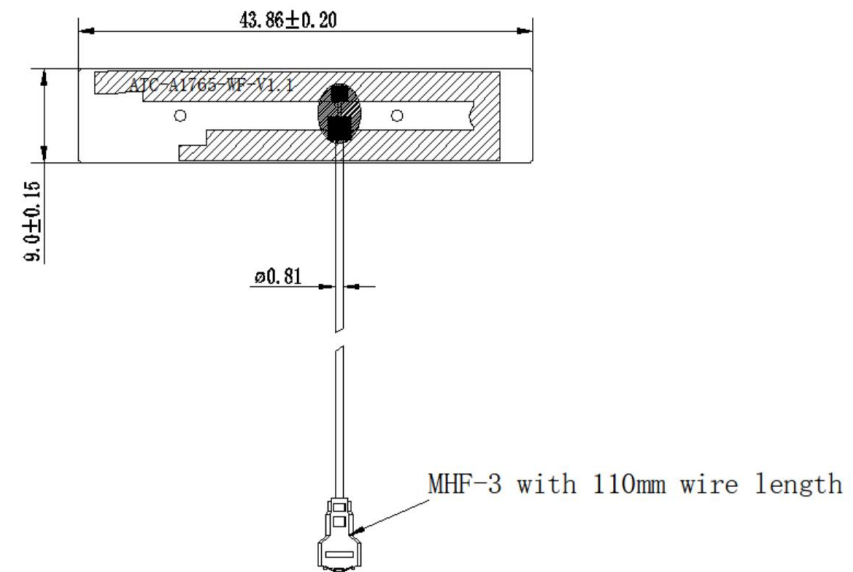
拥有SATIMO原装实验室7M*5M*5M的24探头一座
 益麦3.5MX3.5MX3.5M的24探头一座
 频率范围均为400MHZ-8.5GHZ
 2/3/4/5G、
 WIFI A/B/G/N/AC/AX
 BT
 GPS
 NB-10T等有源测试，
 拥有模拟人头手测试设备



拥有AGILENT5071系列网络分析仪、AGILENT8960、RS CM W500、4438C等终端测试设备，提供天线性能测试。

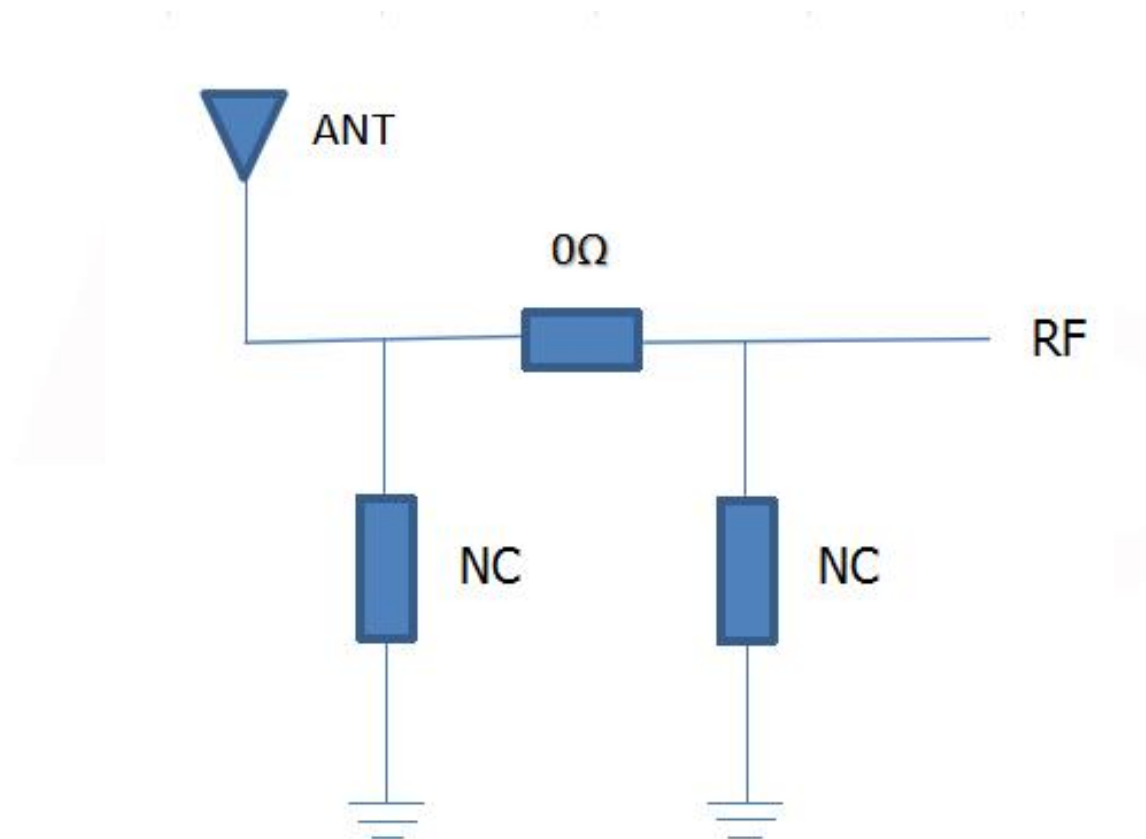
● A1765_Antenna information

1. Type of the antenna :FPC+CABLE
2. Placement of the antenna : as shown below
3. Coverage : 2400 ~ 2500MHz(WIFI2.4G).

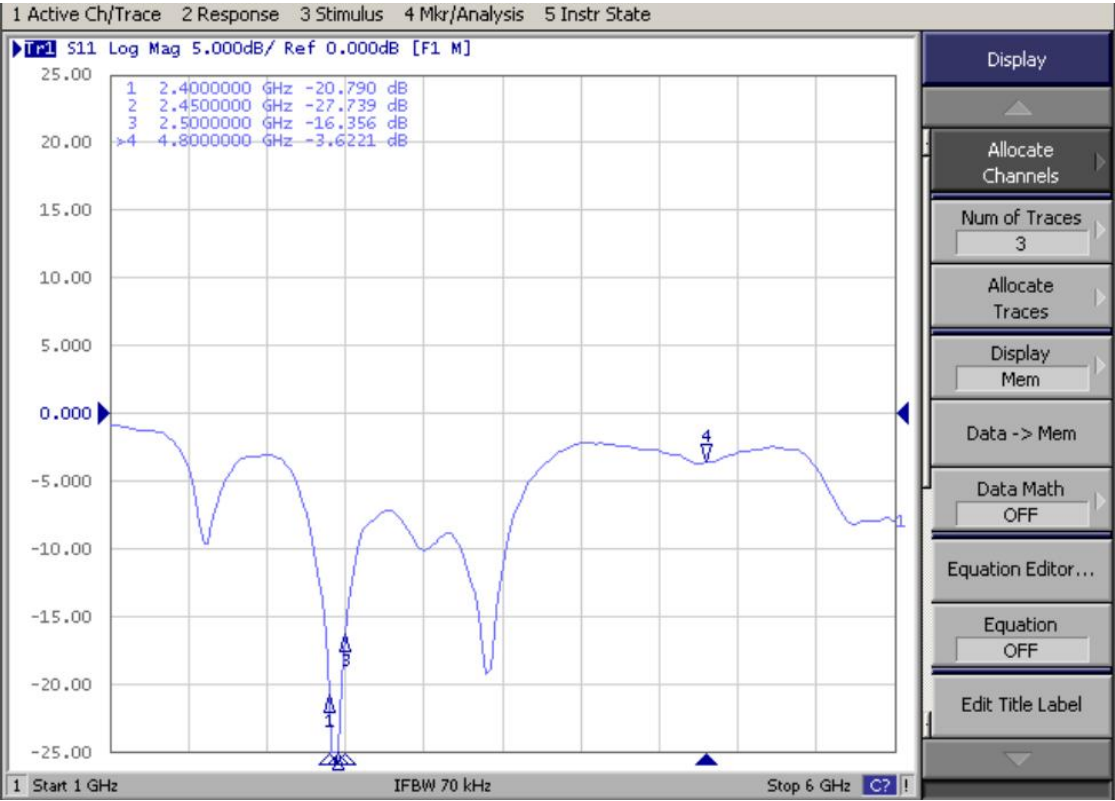


● A1765_Impedance Matching

1. No changes.



● A1765_S11/VSWR



● A1765 _Efficiency & Gain

1. Passive efficiency: about 60%。

(2.4G) Passive Test Results			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Max Gain (dBi)
2400	61.43%	-2.12	2.88
2410	62.38%	-2.05	3.07
2420	62.70%	-2.03	3.18
2430	62.50%	-2.04	3.20
2440	61.83%	-2.09	3.12
2450	63.78%	-1.95	3.13
2460	64.52%	-1.90	3.15
2470	63.02%	-2.01	3.21
2480	62.91%	-2.01	3.40
2490	62.63%	-2.03	3.60
2500	62.67%	-2.03	3.54
AVG:	62.76%	-2.02	3.23

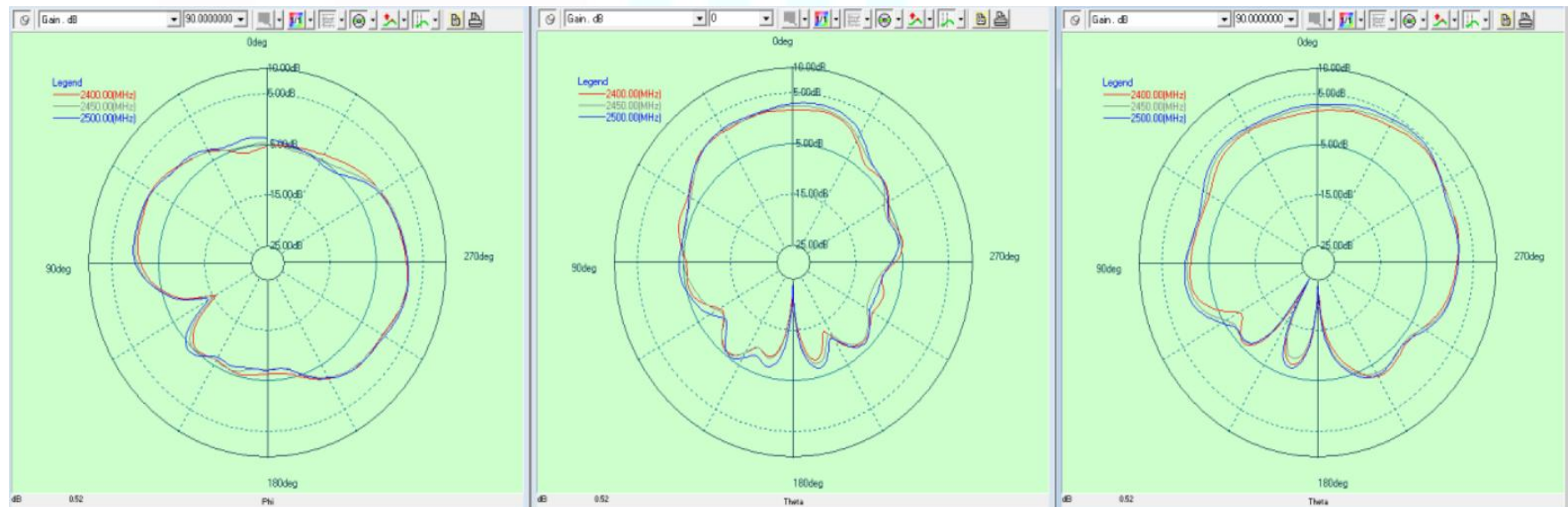
● A1765_2D Radiation Pattern

1. Azimuth Pattern H-Plane : "H", X-Y plane
2. Elevation Pattern E1, E2-Plane : "E1", "E2", X-Z plane(E1), Y-Z plane(E2)
3. It is a structure that supplements the distortion of the horizontal plane in the vertical plane and has a gentle sphere shape in three dimensions.

H

E1

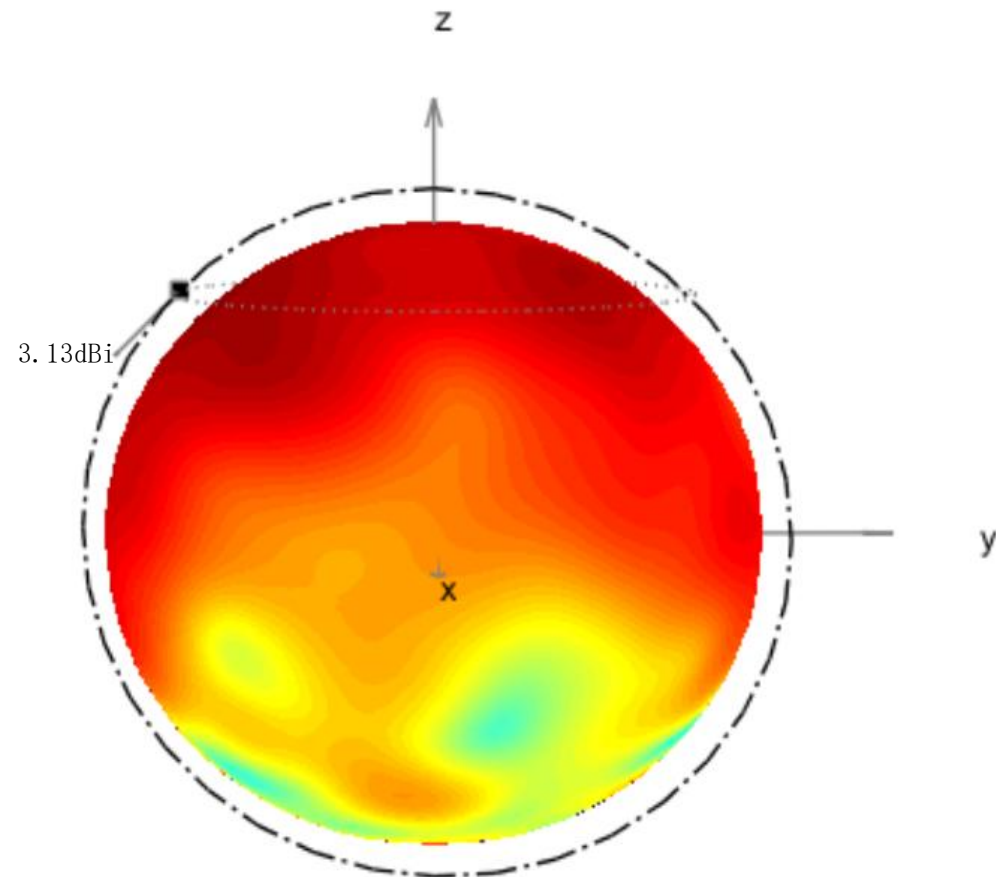
E2



● A1765 _ 3D Radiation Pattern

1. This 3D Radiation Pattern shows the response of each angle antenna gain on the sphere.
2. The objects corresponding to the X-Y-Z axes are shown in the left picture.

2450MHz



● A1765 _Antenna Summary

1.The antenna is debugged during the DVT stage, with a passive efficiency of about 60%, and the antenna performance is basically up to standard.

*** Please let me know if there is a change in the device. And if have any questions, please communicate promptly***

Thank You!!