Advanced Technology & Communications

A1763_Antenna Report V1

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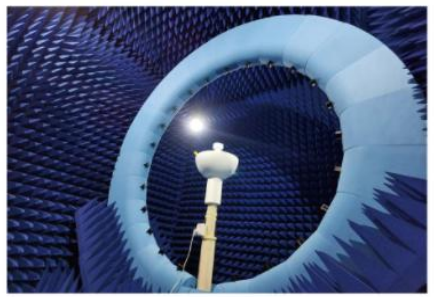
公司简介

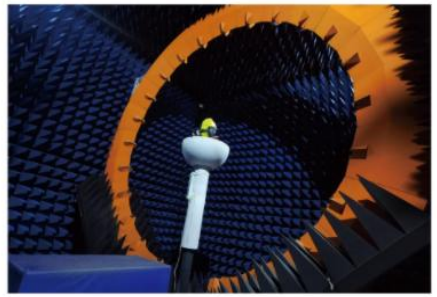
爱特恩科技（深圳）有限公司成立于2016年，公司位于深圳市，是一家专业的通讯电子产品配件的解决方案提供商和制造商。集天线研发、生产、销售于一体的高新科技企业。

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 。

我们致力与客户建立长期稳定的商业合作关系，始终坚持“顾客至上，锐意进取”的经营理念，为我们的客户提供最具竞争力的价格，最好的质量和优质的服务。

AT&C 专注品质 | 质量第一 | 共赢未来



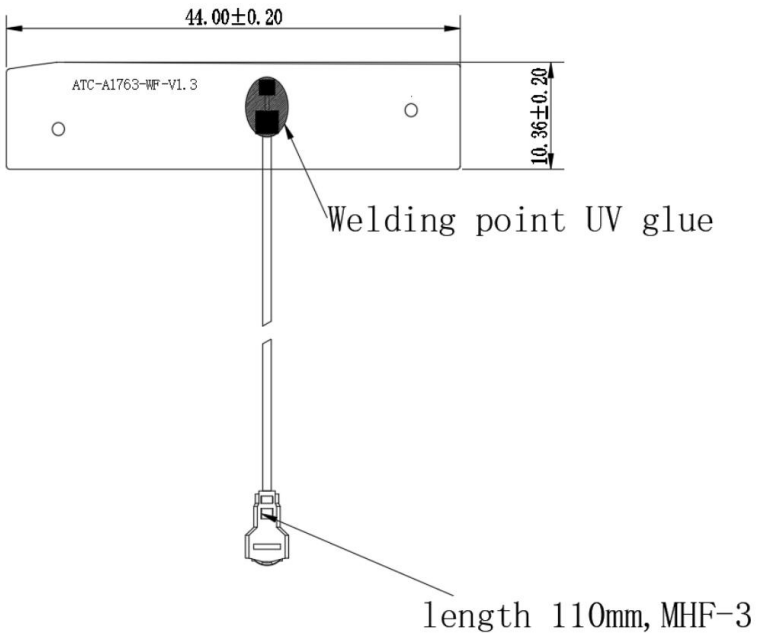


拥有SATIMO原装实验室7M*5M*5M的24探头一座
益麦3.5MX3.5MX3.5M的24探头一座
频率范围均为400MHZ-8.5GHZ
2/3/4/5G、
WIFI A/B/G/N/AC/AX
BT
GPS
NB-10T等有源测试，
拥有模拟人头手测试设备

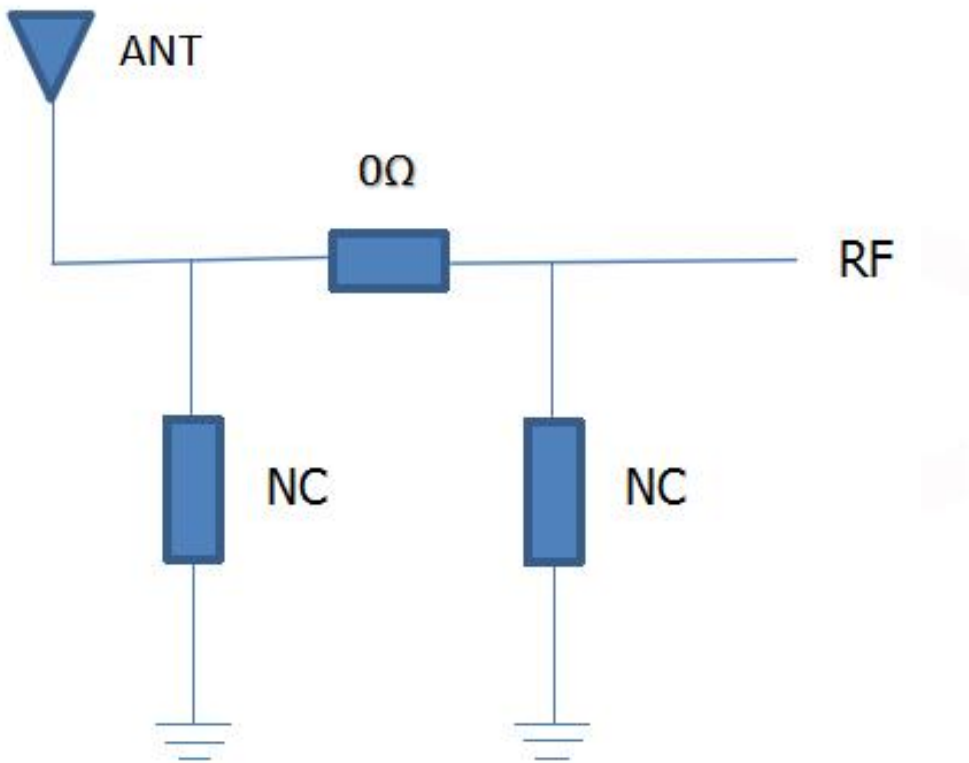
拥有AGILENT5071系列网络分析仪、AGILENT8960、RS CMW500、4438C等终端测试设备,提供天线性能测试。

● A1763_Antenna information

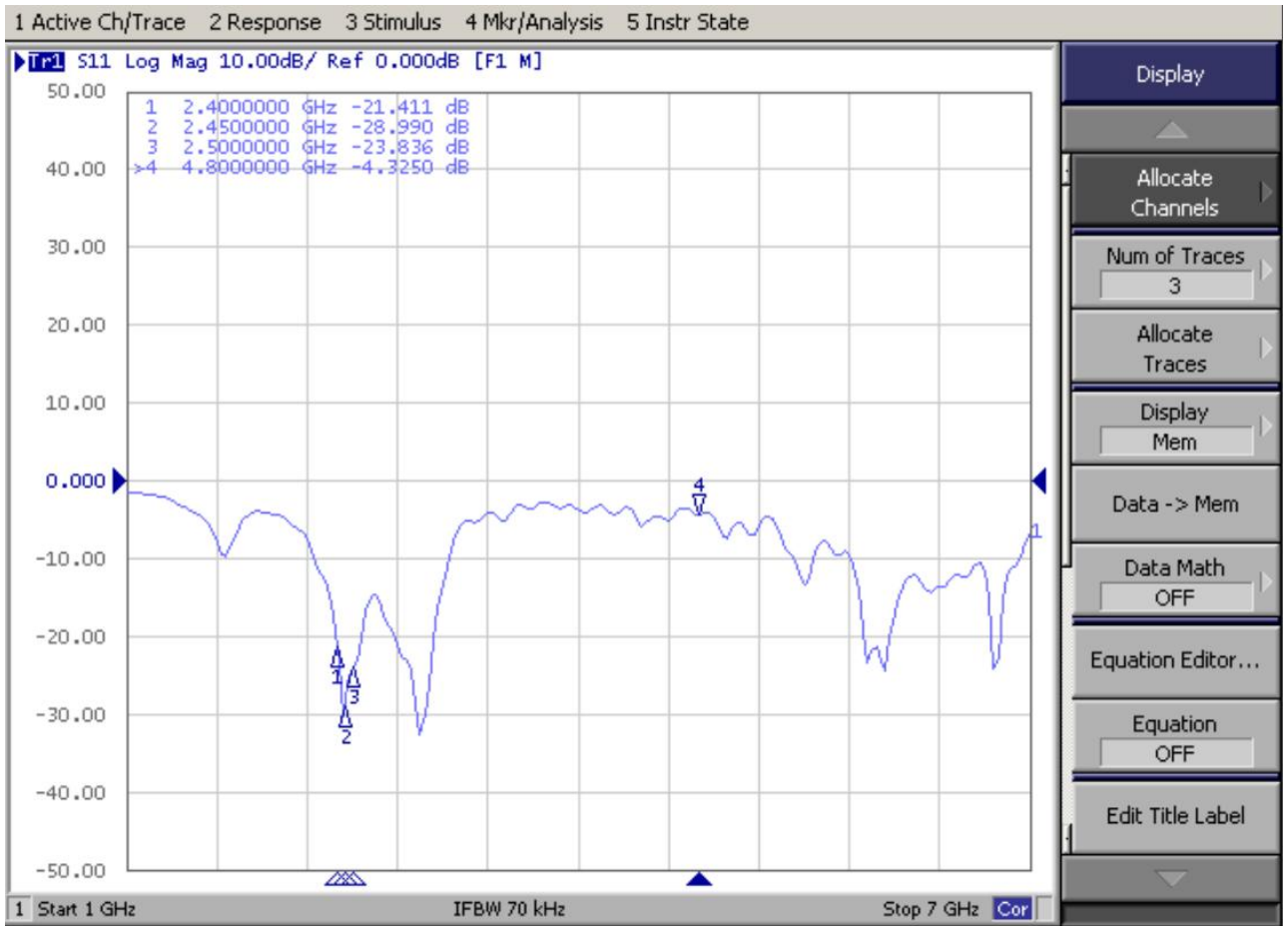
1. Type of the antenna :FPC+CABLE
2. Placement of the antenna : as shown below
3. Coverage : 2400 ~ 2500MHz(WIFI2.4G).



1. No changes。



● A1763_S11/VSWR



● A1763 _Efficiency & Gain

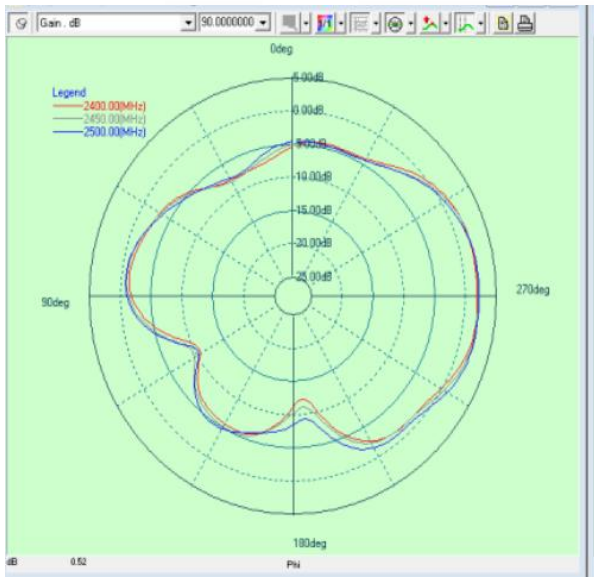
1. Passive efficiency: about 60%。

(2.4G) Passive Test Results			
Frequency(MHz)	Efficiency(%)	Efficiency(dB)	Max Gain(dBi)
2400	60.38%	-2.19	3.57
2410	61.84%	-2.09	3.55
2420	62.32%	-2.05	3.50
2430	62.17%	-2.06	3.49
2440	61.42%	-2.12	3.47
2450	62.27%	-2.06	3.47
2460	61.84%	-2.09	3.34
2470	62.03%	-2.07	3.32
2480	63.54%	-1.97	3.42
2490	63.09%	-2.00	3.74
2500	62.88%	-2.02	3.79
AVG:	62.16%	-2.07	3.52

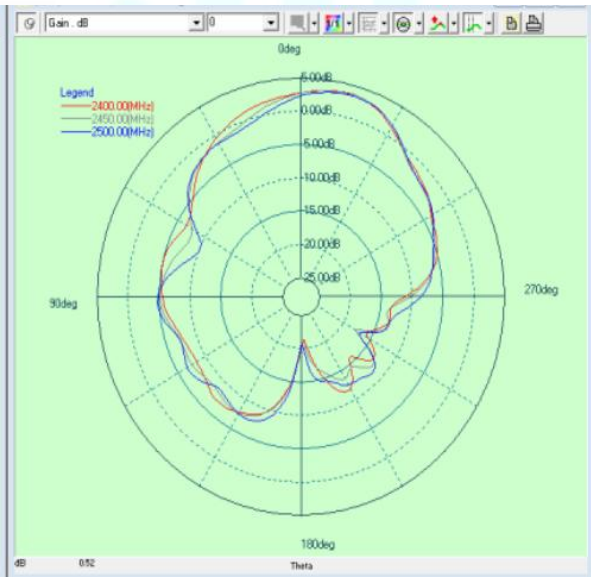
● A1763_2D Radiation Pattern

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 d imensions.

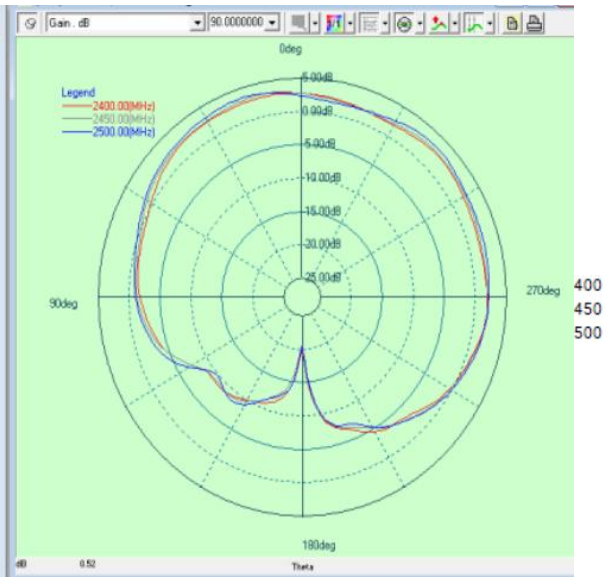
H



E1



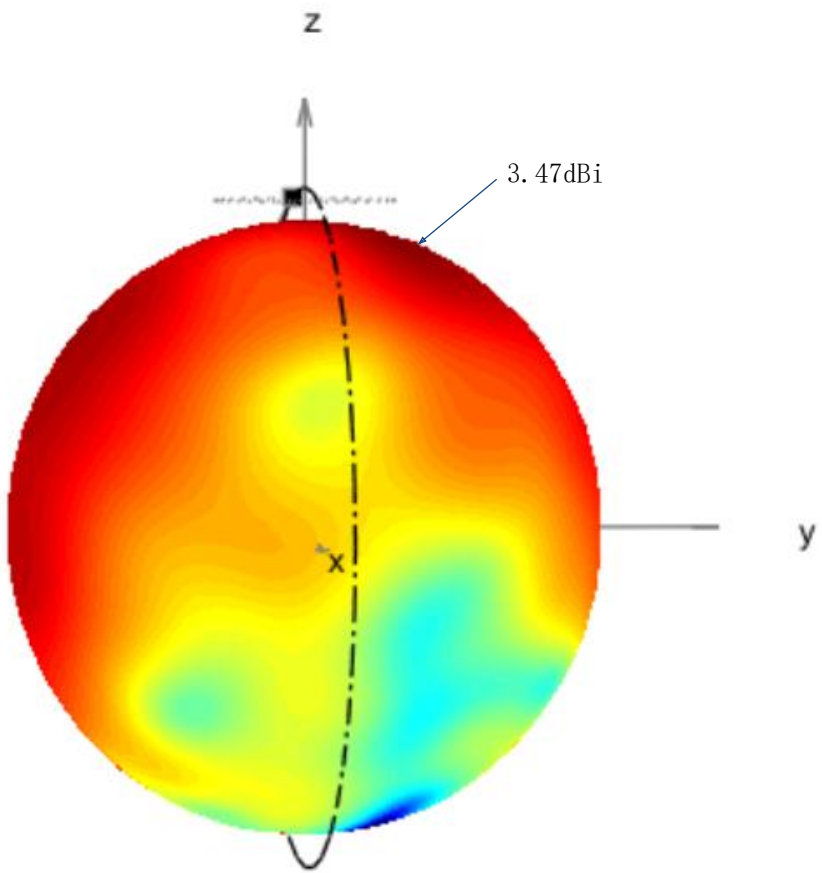
E2



● A1763 _ 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



● A1763 _Antenna Summary

1.The antenna is debugged during the EVT 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!!