



Advanced Technology & Communications

A2687_Antenna Report V4

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公司简介

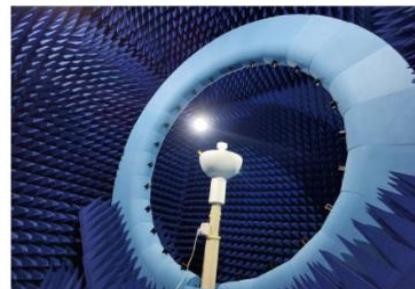
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公司主要从事与开发安防类、智能家居类的电子产品。目前拥有3座微波暗室、模拟人头手测试、网络分析仪等。

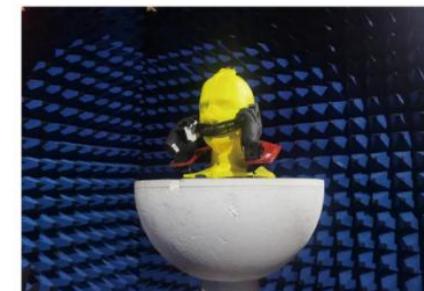
我们致力与客户建立长期稳定的商业合作关系，始终坚持“顾客至上，锐意进取”的经营理念，为我们的客户提供最具竞争力的价格，最好的质量和优质的服务。



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
 盖表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

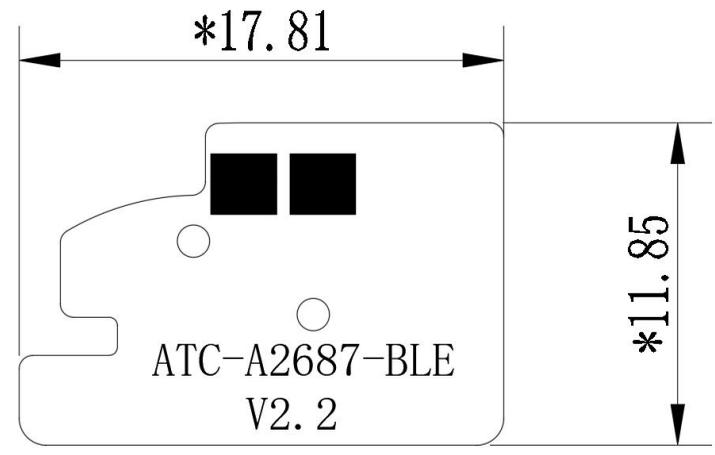
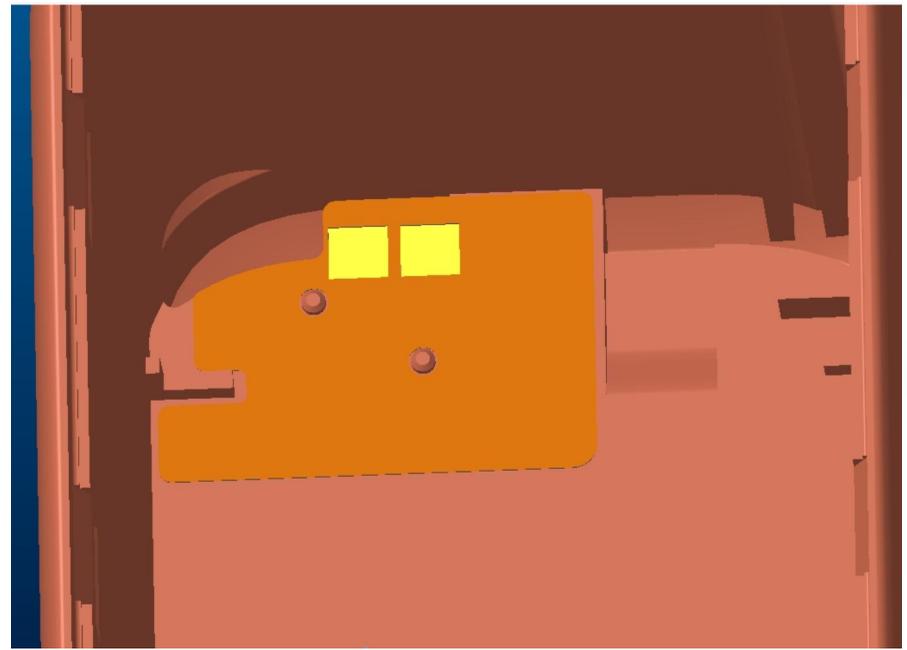


拥有AGILENT5071系列网络分析仪、AGILENT8960、RS CM W500、4438C等终端测试设备,提供天线性能测试。



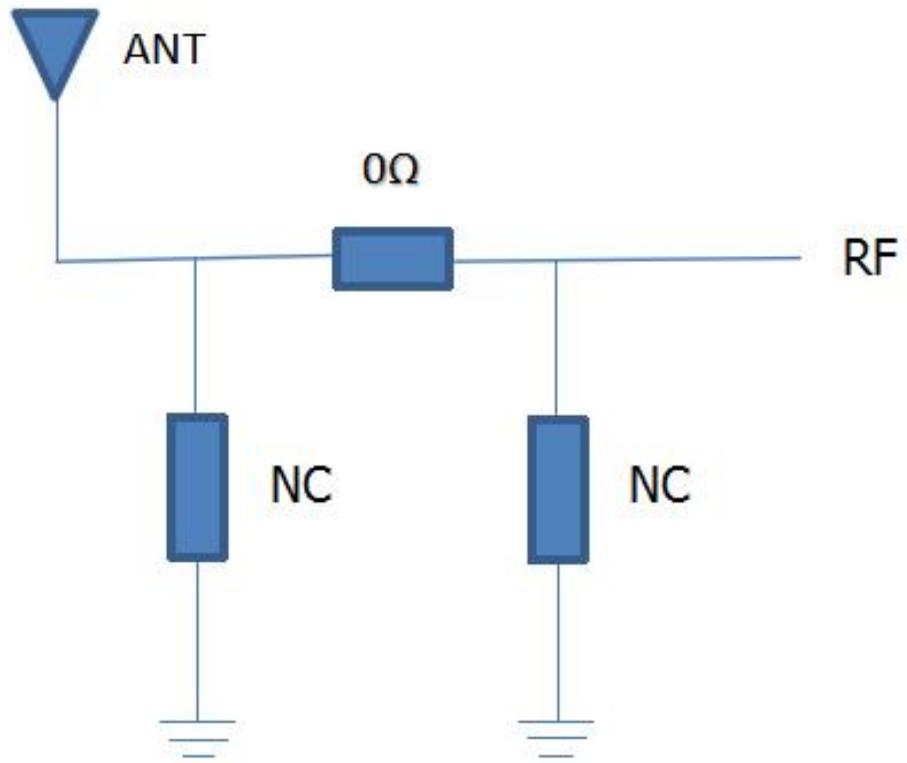
● A2687_Antenna information

- 1. Type of the antenna :FPC
- 2. Placement of the antenna : as shown below
- 3. Coverage : 2400 ~ 2500MHz(BLE).

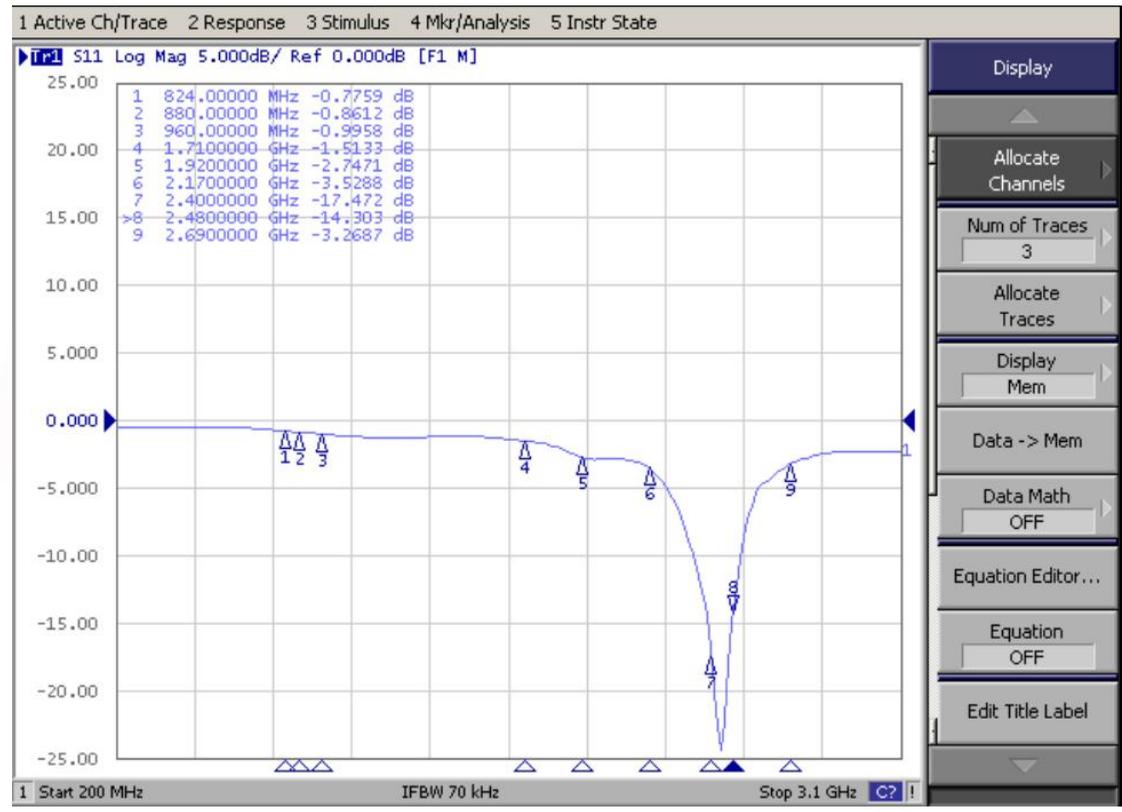


● A2687_Impedance Matching

- 1. No changes.



● A2687_S11/VSWR



● A2687 _Efficiency & Gain

1. Passive efficiency: about 30%.

(2.4G) Passive Test Results			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Max Gain (dBi)
2400	30.56%	-5.15	-0.79
2410	31.42%	-5.03	-0.84
2420	31.61%	-5.00	-1.04
2430	31.54%	-5.01	-1.22
2440	31.03%	-5.08	-1.37
2450	31.42%	-5.03	-1.30
2460	31.44%	-5.02	-1.17
2470	31.55%	-5.01	-1.03
2480	31.61%	-5.00	-0.99
2490	31.11%	-5.07	-1.23
2500	29.82%	-5.26	-1.61
AVG:	31.19%	-5.06	-1.15



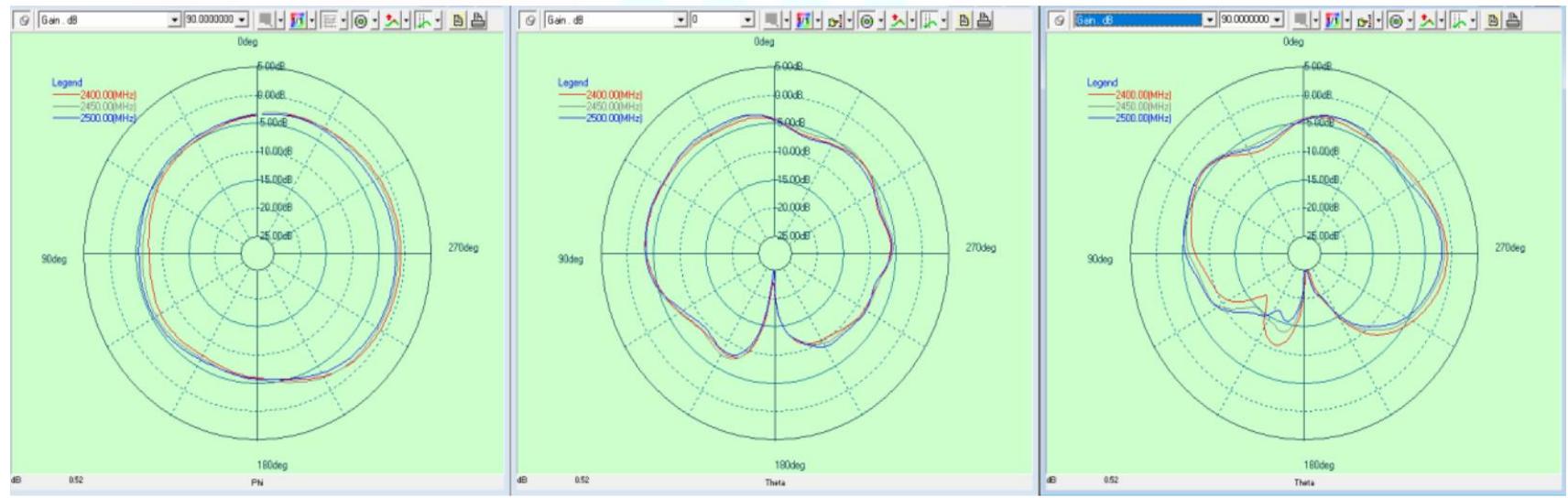
● A2687_2D Radiation Pattern

- 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

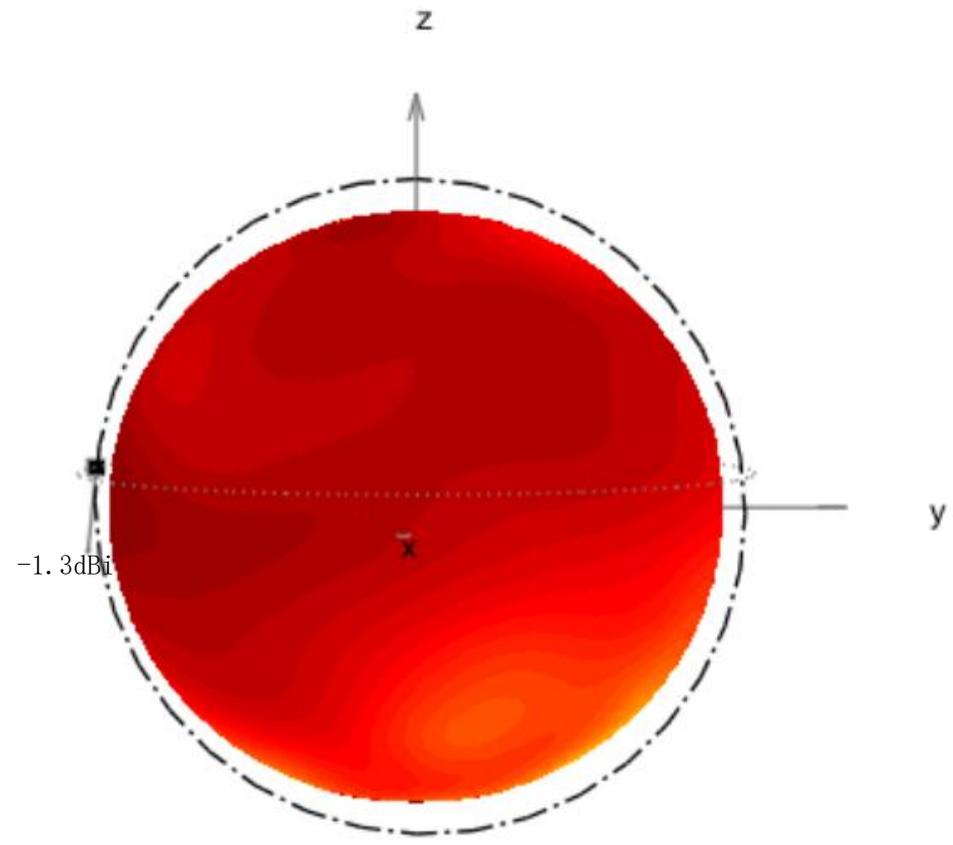
E2



● A2687 _ 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



● A2687 _Antenna Summary

1.The antenna is debugged during the EVT stage, with a passive efficiency of about 30%, 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!!