

Antenna Measurement Report

Project name:	WIFI外置天线
Type of antenna:	WIFI
Frequency range:	5.8/GHz
Redact:	
Approver:	
Version number:	V1.0
Date:	20241126

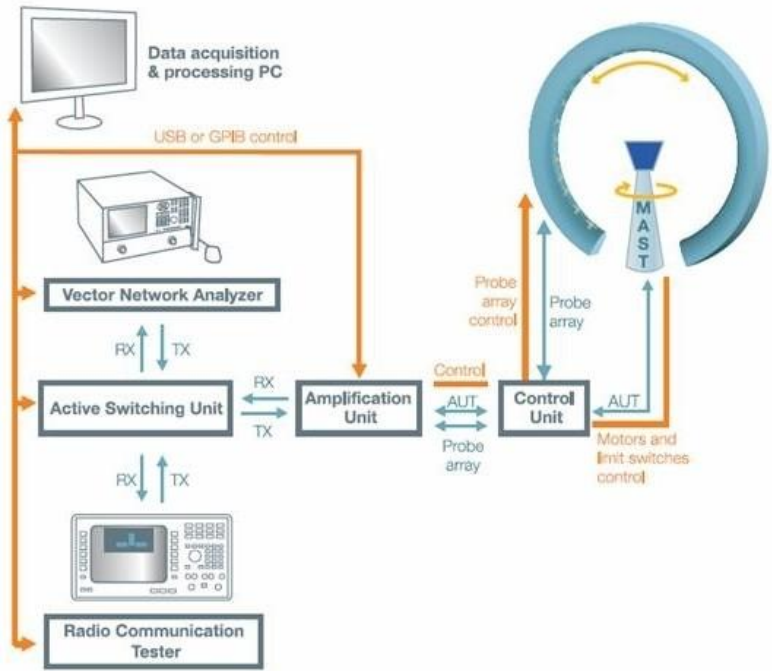
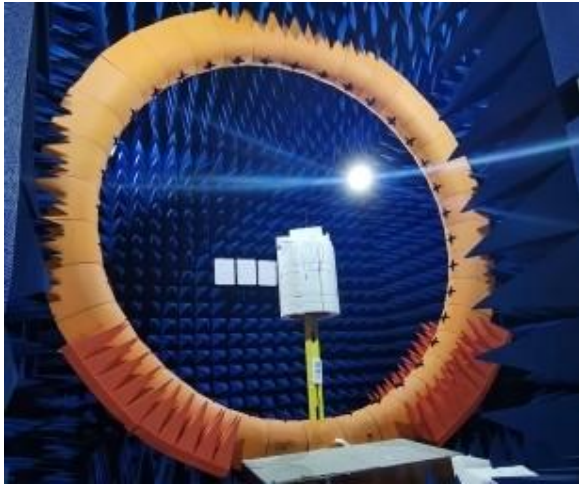
1.测试项目与设备

无源测试项

1. S参数	网络分析仪E5071C
2. 辐射参数	Microwave chamber 网络分析仪E5071B

有源测试项

1. 整机辐射功率	Microwave chamber
2. 整机接收灵敏度	CMW500 MT8000A



2.产品信息

产品名称:	PIFA天线
料号:	SLEingA100140201-F09
测试频段:	5.8GHz

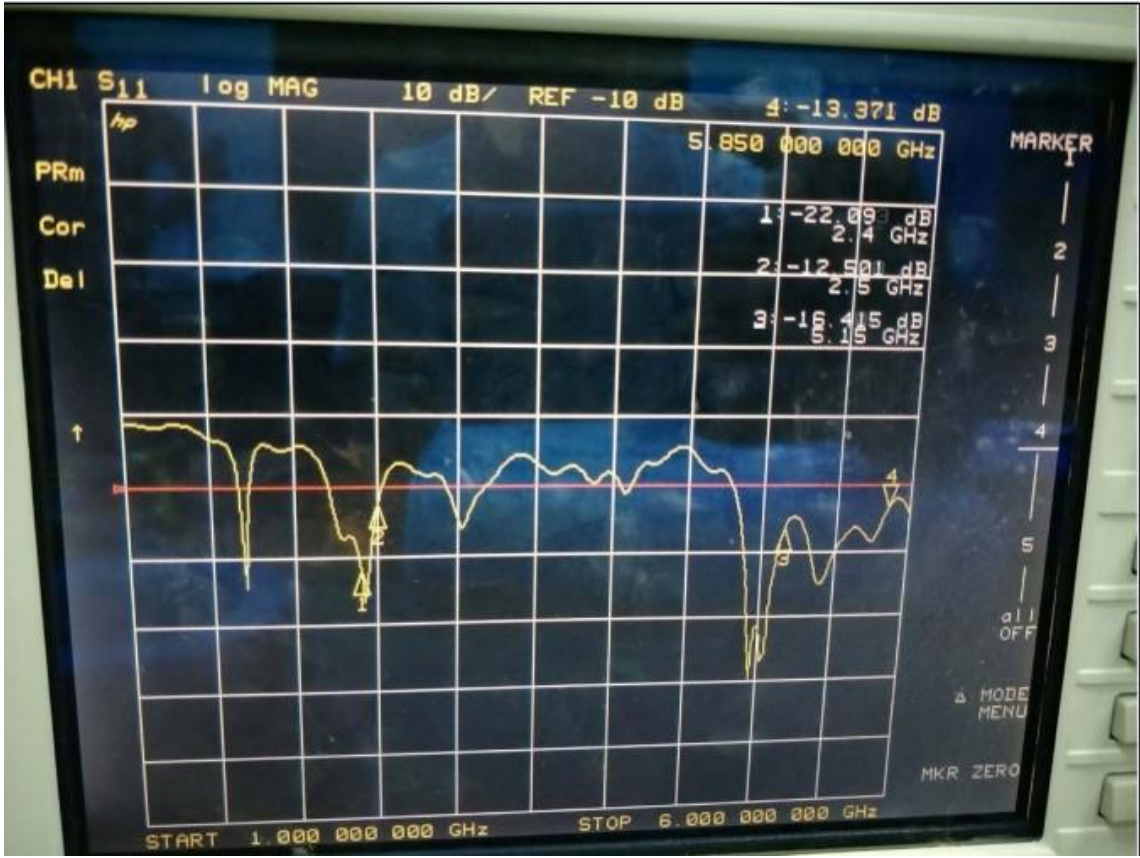


3.规格说明

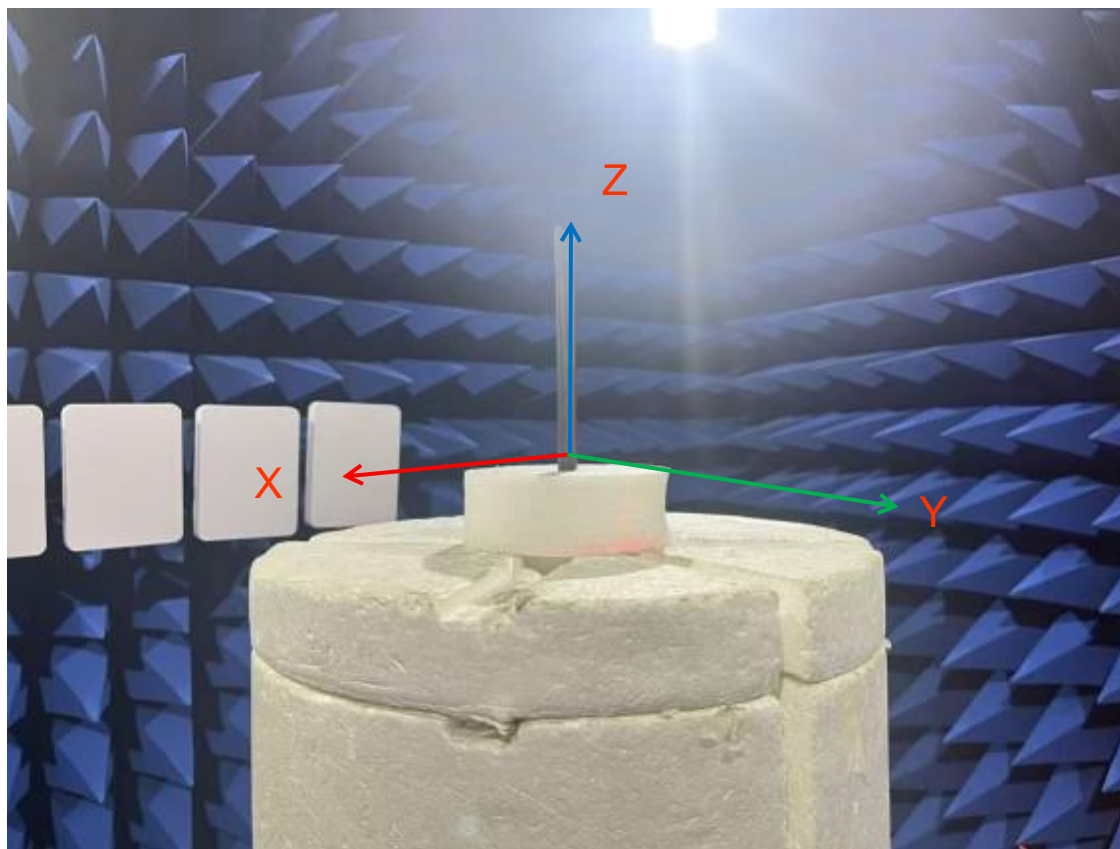
Rough description	WIFI	Dimensions	
Impedance	50Ω	Test environment	None
Application	wifi	Freq. Range	5.8GHz
Gain	Peak gain:	VSWR	1.92:1
Radiation		Polarization	linear
Connector type		Cable type	None
Isolation	None	Special request	SMA镀金

4. S11参数

产品名称:	PIFA天线
料号:	SLEingA100140201-F09
测试频段:	5.8GHz



5.测试环境与相对坐标



* 本图片仅表示标注的相对坐标

6.无源数据

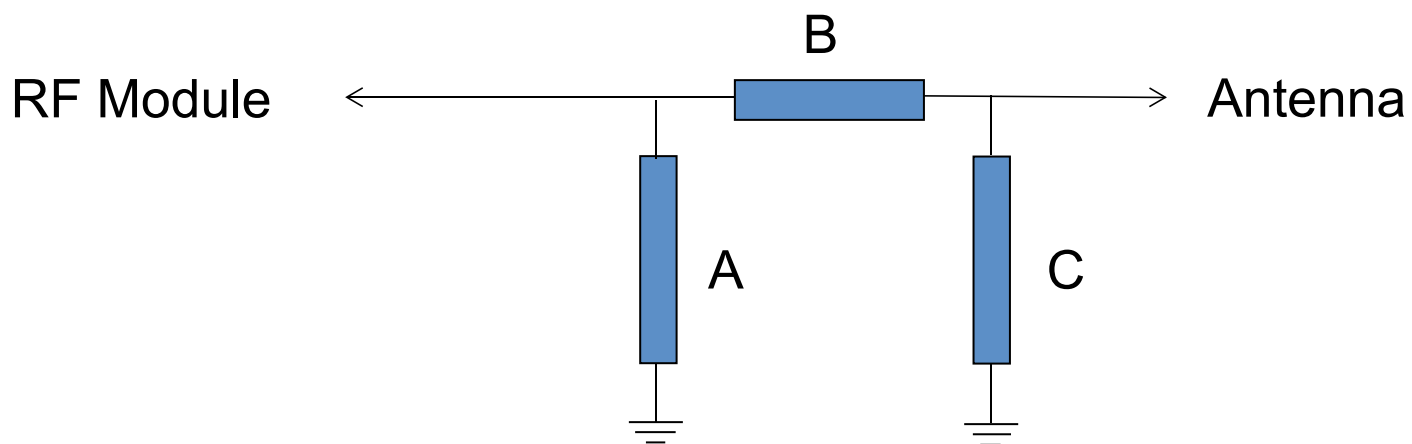
WiFi main

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13
Frequency (MHz)	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Gain (dBi)	6.01	6.58	7.36	7.07	7.21	7.27	7.28	7.23	7.00	7.42	7.72	7.81	8.40
Efficiency (%)	55.49	56.70	64.17	60.53	54.80	52.69	53.59	48.68	47.23	52.02	55.54	53.27	55.44

WiFi aux

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13
Frequency (MHz)	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Gain (dBi)	6.59	6.22	6.43	5.95	5.96	6.00	6.67	6.65	6.87	6.82	6.32	5.83	5.51
Efficiency (%)	50.70	50.90	51.65	51.29	49.88	53.87	58.71	56.42	54.73	54.83	53.99	51.26	50.84

7.匹配线路



Element	Value
A	NC
B	NC
C	NC

✱ 设备为模块输出，匹配未作修改

