

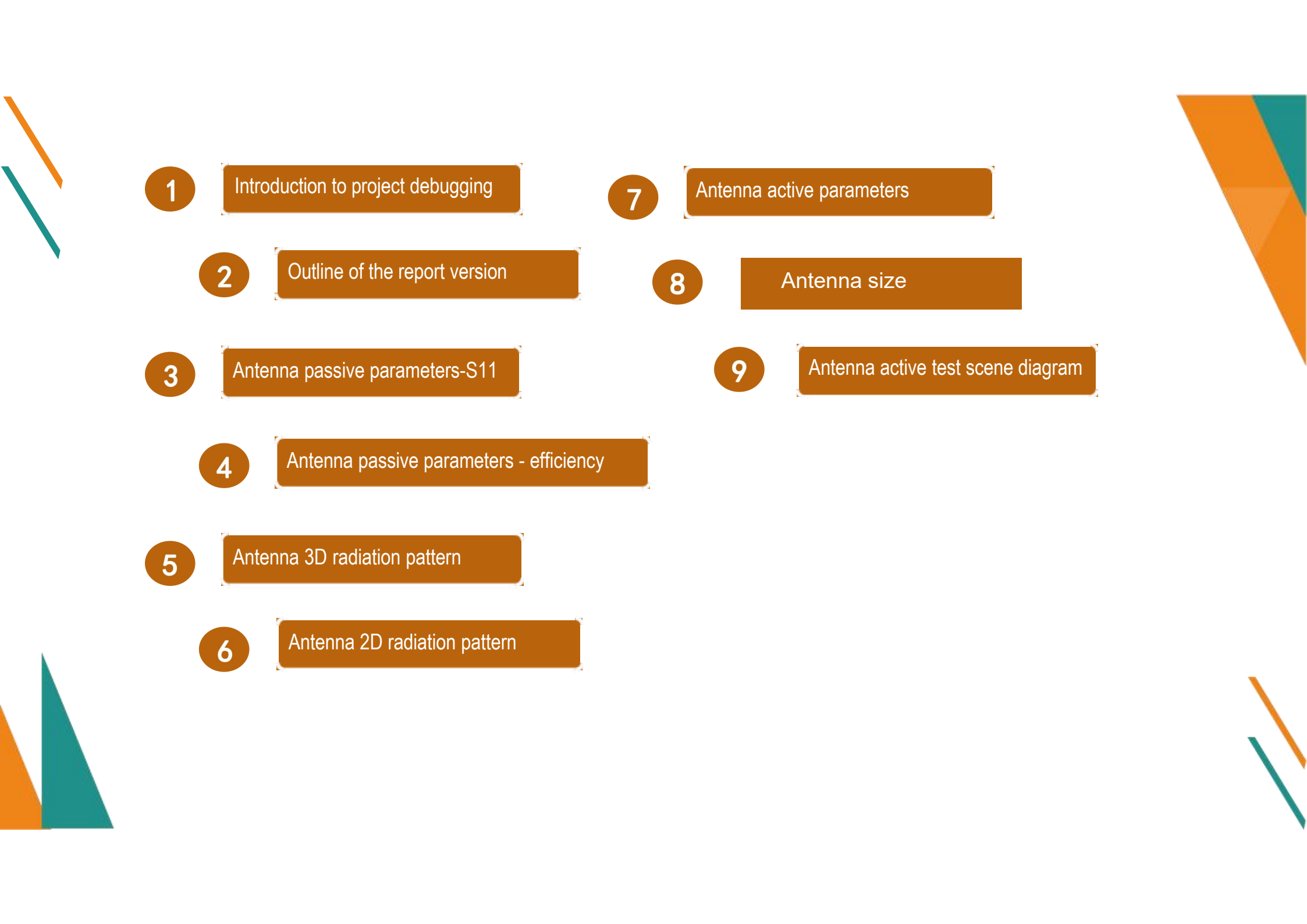
+

IP700 - 07 _JXW8088 -
6 8 Machine test report

射频: 闵意海

日期: 2023-03-14



- 
- 1 Introduction to project debugging
 - 2 Outline of the report version
 - 3 Antenna passive parameters-S11
 - 4 Antenna passive parameters - efficiency
 - 5 Antenna 3D radiation pattern
 - 6 Antenna 2D radiation pattern
 - 7 Antenna active parameters
 - 8 Antenna size
 - 9 Antenna active test scene diagram

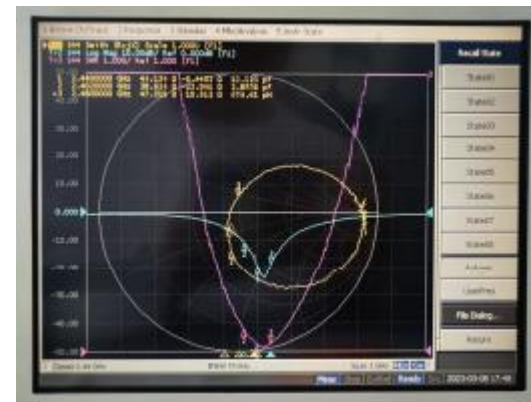
Introduction to project debugging

Model Description:	JXW8088-68-VHI			
Motherboard model:				
Band and antenna material		Band		Material
	Main antenna	WIFI	2.412GHz	Onboard
Debug phase	Active/passive test reports			

Outline of the report version

Report version	Reporting time	The problem solved by the development of this antenna
V1.0	2023-03-14	Machine test report

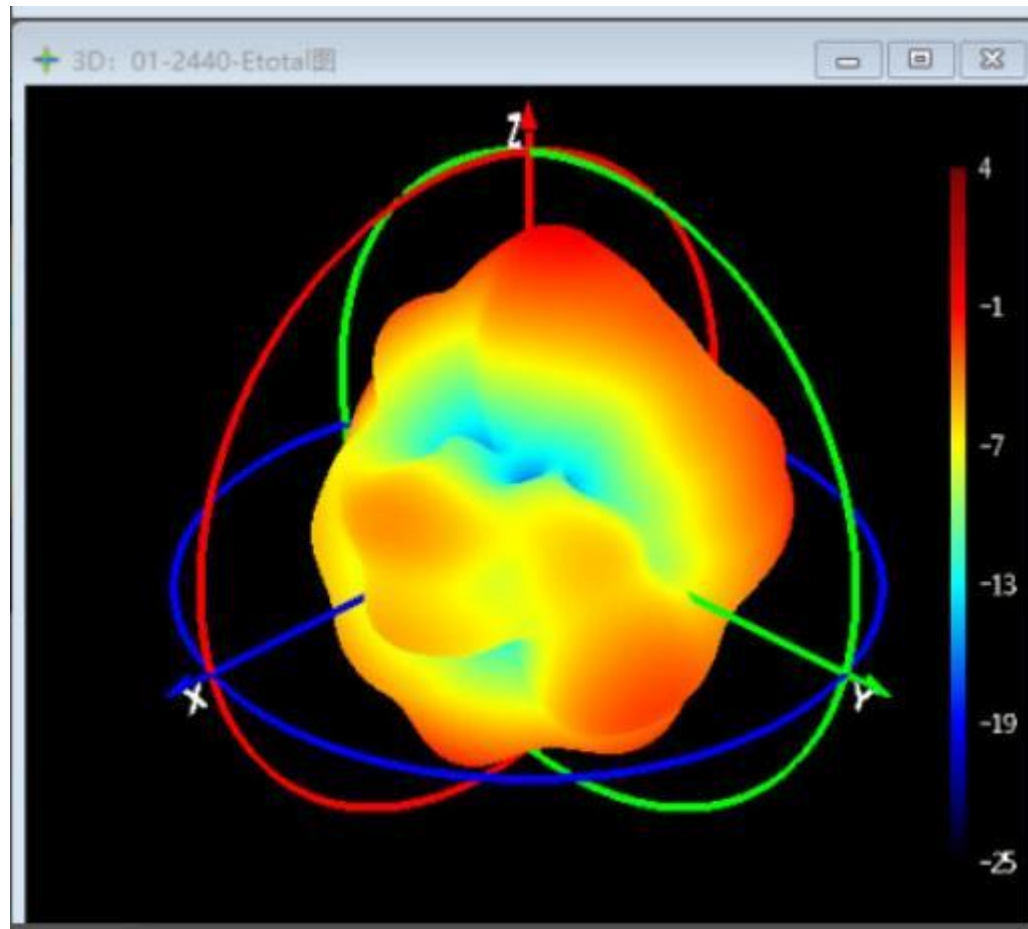
Antenna passive parameters–S11 (Artwork)



Antenna passive parameters – efficiency

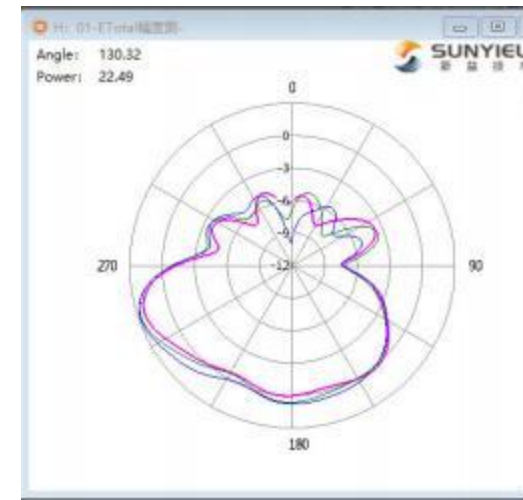
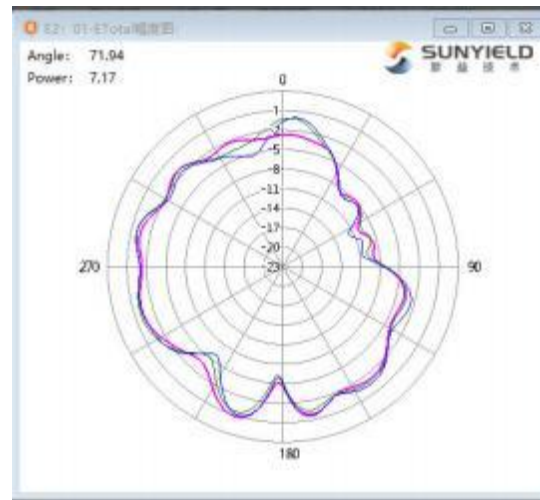
Test Point ID	1	2	3	4	5	6	7	8	9
Freq. (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0
Gain (dBi)	3.41	3.37	3.43	3.53	3.66	3.87	4.12	4.27	4.38
Efficiency (%)	58.41	59.63	60.46	60.99	61.43	61.85	61.96	61.89	61.60

Antenna 3D radiation pattern



Antenna 2D radiation pattern

2.4GHz Directional diagram

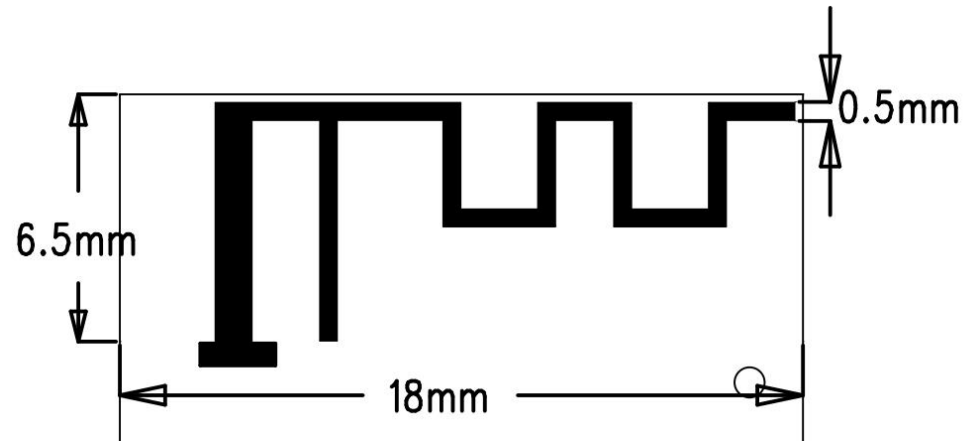


Antenna active parameters

Test	2.4WIFI B(11M)			2.4WIFI G(54M)		
Result	1	6	11	1	6	11
TRP (dBm)	15.05	14.89	15.18	11.84	11.80	12.06
TIS (dBm)	-86.23	-85.68	-85.95	-72.04	-71.30	-71.33

Test	2.4WIFI N(MCS7)		
Result	1	6	11
TRP (dBm)	11.84	11.8	12.08
TIS (dBm)	-69.69	-69.13	-68.66

Antenna size



Antenna active test scene diagram





Thank you!

Shenzhen Jingxun Technology Co., Ltd.

**Office Address: 3 / F, A5 building Zhiyuan Community
No. 1 0 0 1 , Xueyuan Road Nanshan District , Shenzhen City , China**