



Test :Shenzhen YishengbangTechnology Co., Ltd Antenna Test
Report

The manufacturer: Shenzhen MADIGI electronic technology Co.,LTD
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Chaguang Road, Shuguang Community, Xili Street, Nanshan District,
Shenzhen

Project: NUCAN03

Product: WIFI

Report date: 2024-05-17



Purpose

This report is to measure the performance of SLK for Master Antenna on MADIGI. All measure data are showed below.

Content

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 - 2.4 WIFI throughput test
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1. Product Overview



1.1 Antenna Structure

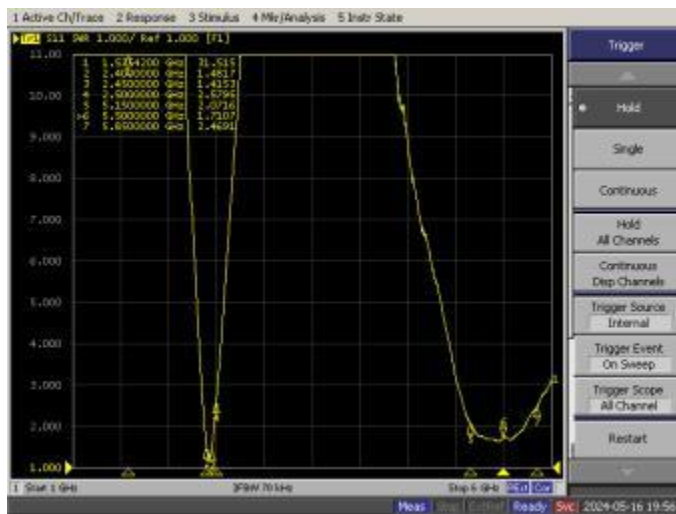
Antenna type:PFIA Antenna

Antenna dimension: 54mm(L)*10mm(W)*5mm(H)



Figure antenna structure

2.1 WIFI 1 Antenna VSWR



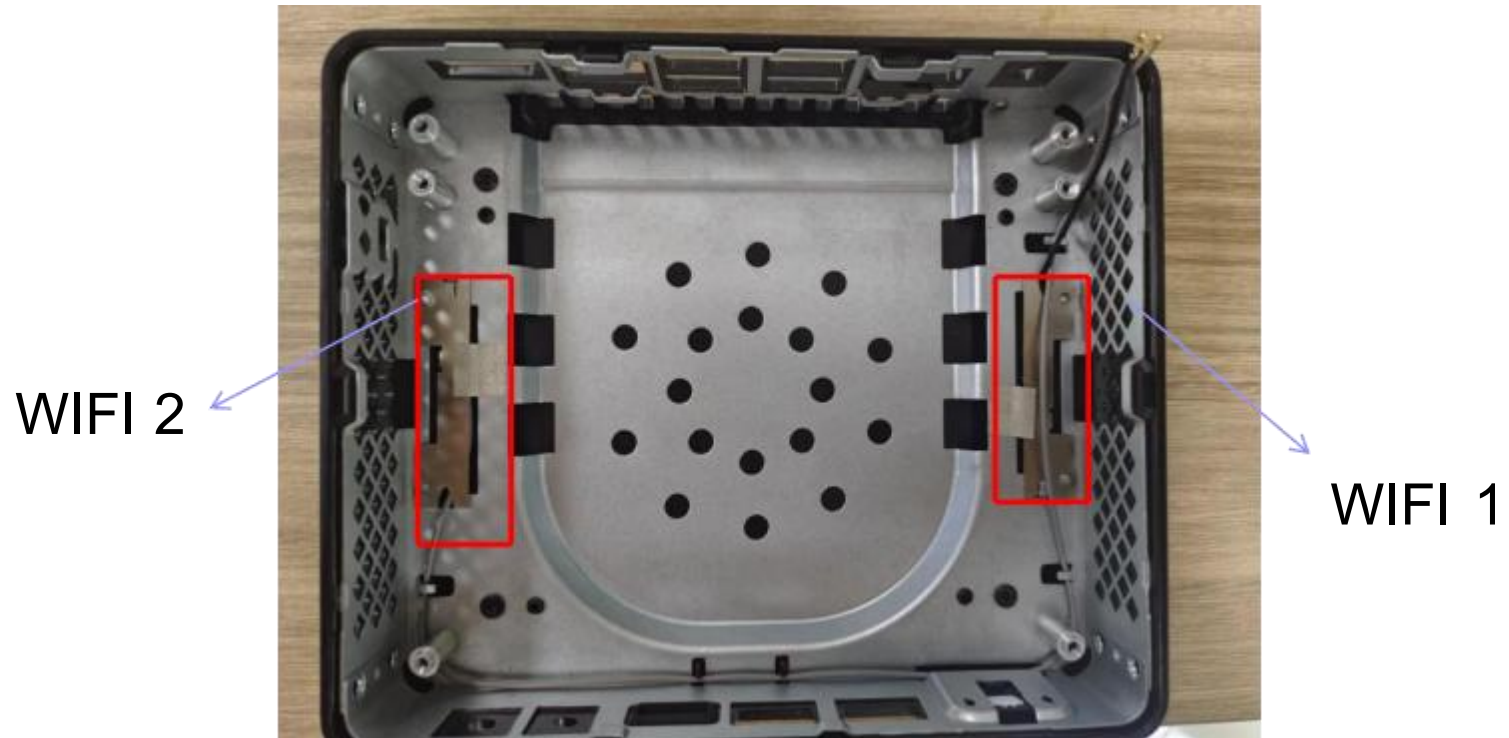
2. Test Result

2.1 WIFI 2 Antenna VSWR



2. Test Result

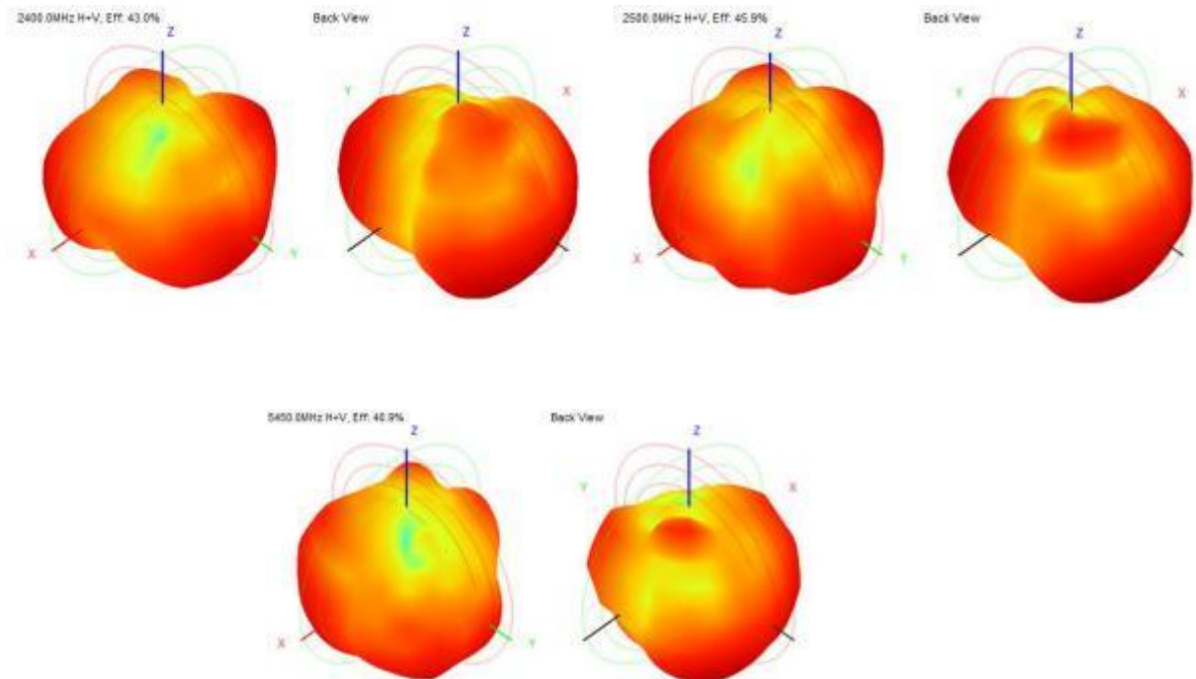
2.2 Antenna Parameters



2. Test Result

2.3 WIFI 1 Antenna Gain/Efficiency/3D DATA

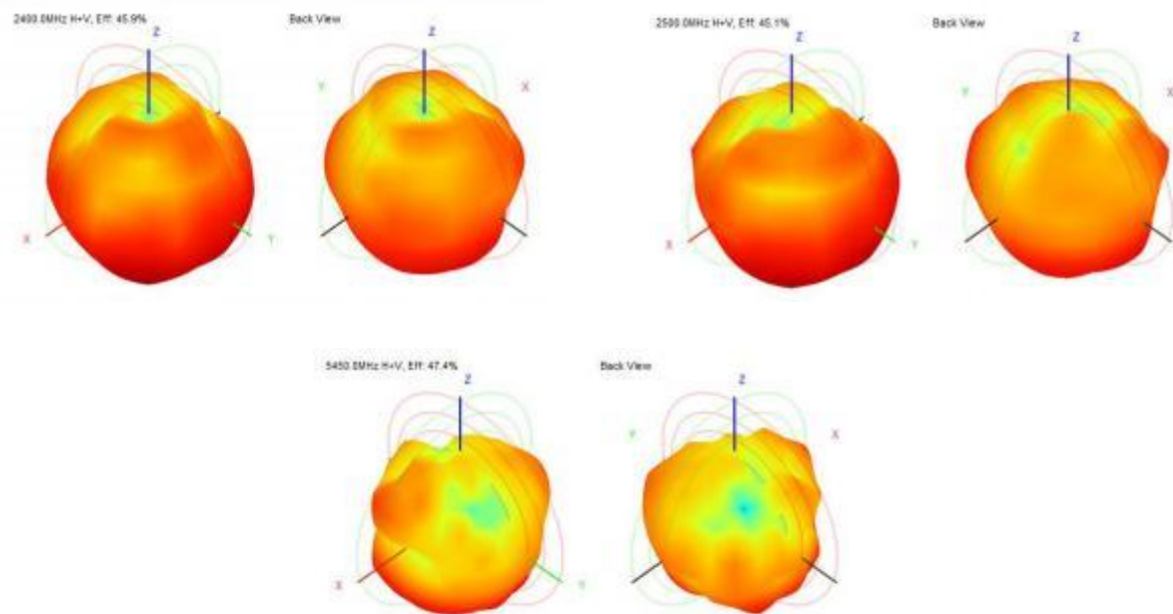
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.66	1.14	43.04
2410	-3.63	1.82	43.34
2420	-3.46	1.85	45.02
2430	-3.43	1.15	45.34
2440	-3.18	1.43	47.98
2450	-3.14	1.17	48.53
2460	-3.36	1.38	46.09
2470	-3.14	1.71	48.42
2480	-3.14	1.71	48.52
2490	-3.13	1.64	48.63
2500	-3.37	1.18	45.95
5150	-3.54	1.91	44.23
5250	-3.41	1.49	45.51
5450	-3.87	1.84	40.95
5850	-4.07	1.57	39.15



2. Test Result

2.3 WIFI 2 Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.38	1.10	45.86
2410	-3.49	1.27	44.75
2420	-3.30	1.43	46.72
2430	-3.35	1.74	46.16
2440	-3.37	1.98	45.99
2450	-3.42	1.94	45.48
2460	-3.53	1.36	44.28
2470	-3.43	1.93	45.38
2480	-3.32	1.11	46.51
2490	-3.32	1.17	46.54
2500	-3.45	1.83	45.12
5150	-3.37	1.74	45.94
5250	-3.42	1.13	45.42
5450	-3.23	1.89	47.44
5850	-3.57	1.58	43.91



2. Test Result

2.4 WIFI throughput test

2.4 Download	2.4 UPLOAD	5G Download	5G UPLOAD
212M	205M	897M	876M
	BT UPLOAD	BT Download	
	1.26M	1.21M	



3. Conclusions

Thank you!