



P8501A Antenna Test Report



Date: 2024.4.30

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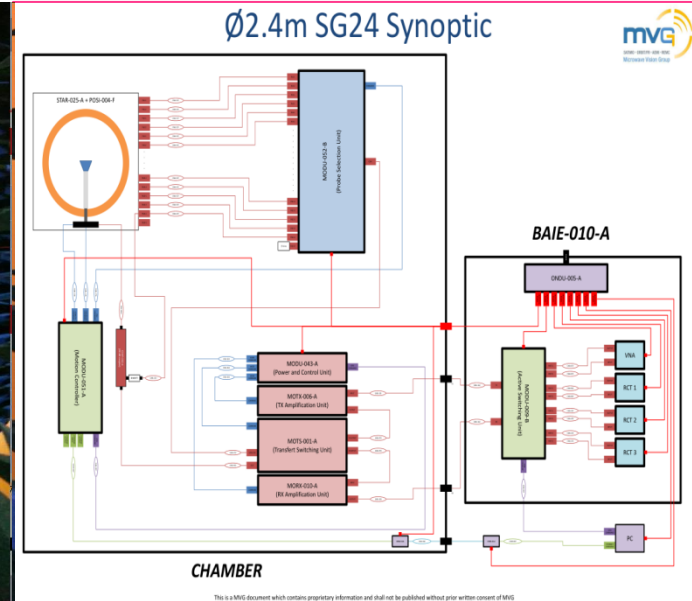
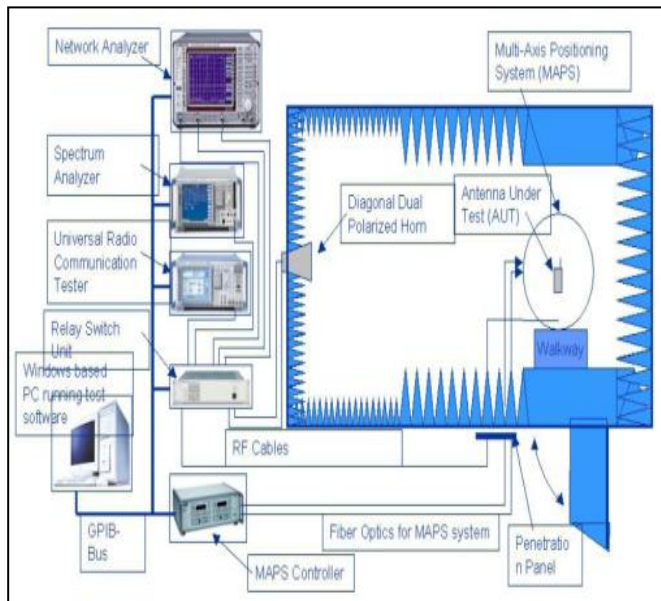
07

Conclusion



Antenna design spectrum:	WIFI 2.4/5.8G/BT	Repor version:	Date	Content
Type of antenna:	PIFA	V1.0	2024.9.24	Antenna test report

Test Environment



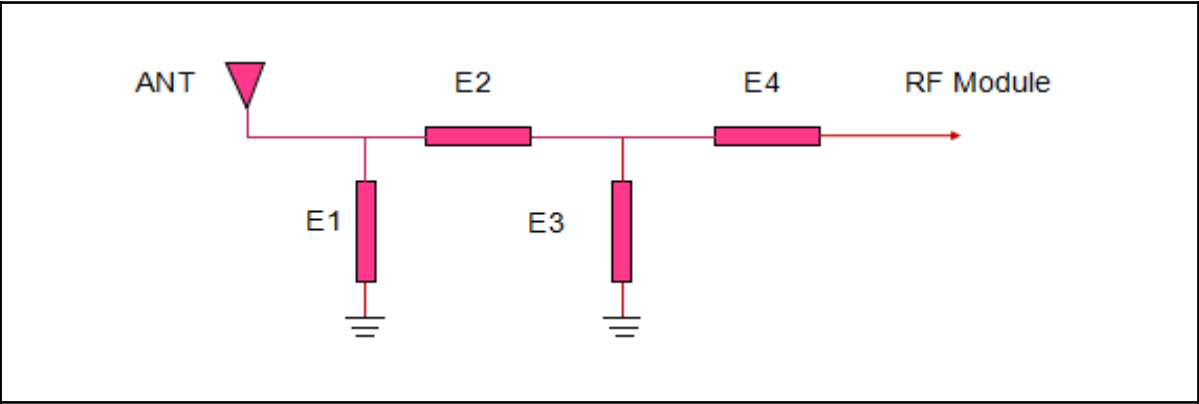
Darkroom system : MVG SG24LT (Satmio)



Matching Circuit



main antenna design	
Element	Value
E1(0201):	/
E2(0201):	/
E3(0201):	/



Note: The matching circuit has not changed.



Antenna picture

WIFI/BT passive Efficiency, Gain

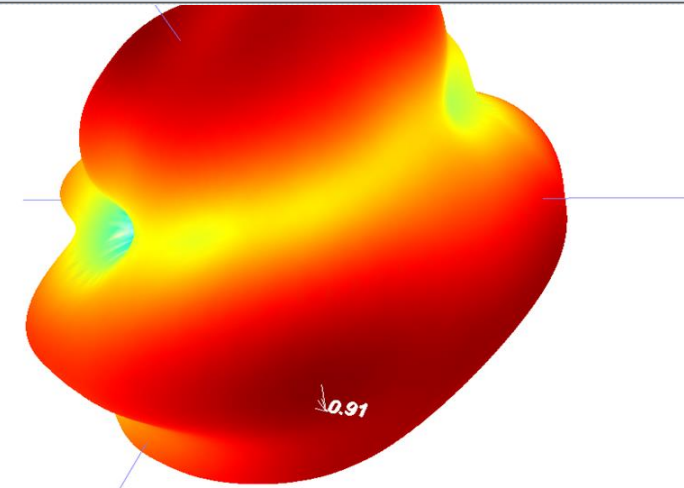
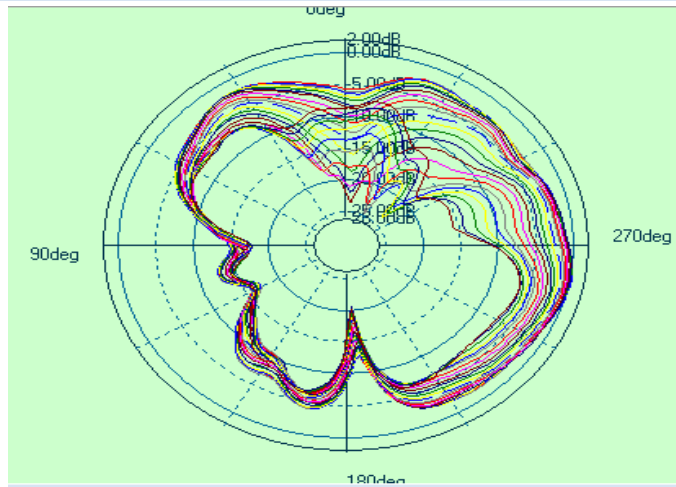
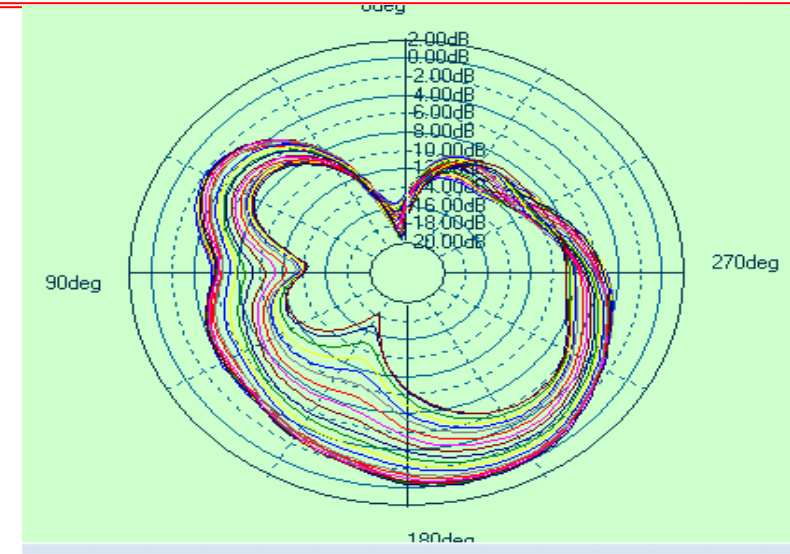
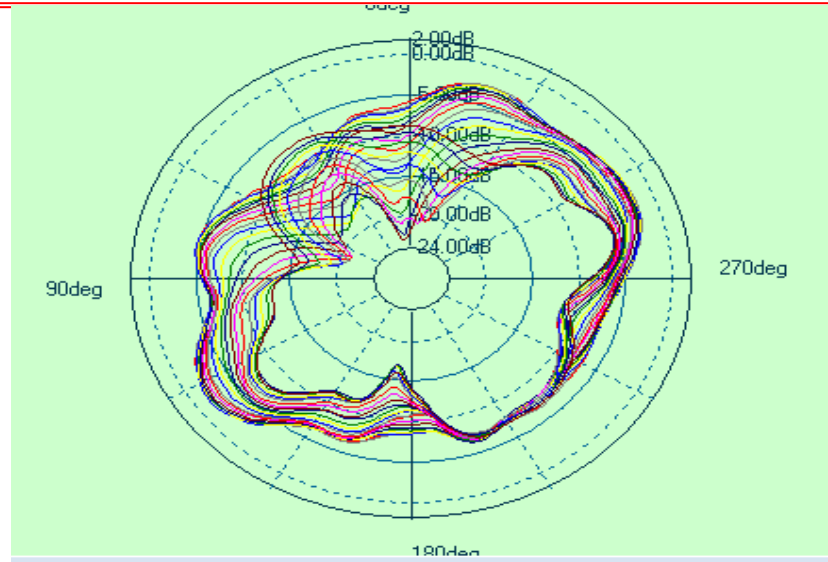
Frequency(MHz)	Efficiency(%)	Gain(dBi)
2400	33.5	0.51
2410	33.8	0.59
2420	35.1	0.68
2430	36.6	0.76
2440	37.5	0.86
2450	38.9	0.92
2460	40.2	0.99
2470	40.5	1.02
2480	39.4	0.94
2490	37.9	0.88
2500	36.2	0.69

Frequency(MHz)	Efficiency(%)	Gain(dBi)
5000	31.3	1.68
5100	32.6	1.79
5200	33.5	1.86
5300	33.9	1.90
5400	34.8	2.05
5500	35.2	2.12
5600	36.5	2.25
5700	37.9	2.36
5800	36.2	2.21
5900	35.1	2.15
6000	34.6	2.04

Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

Passive Report

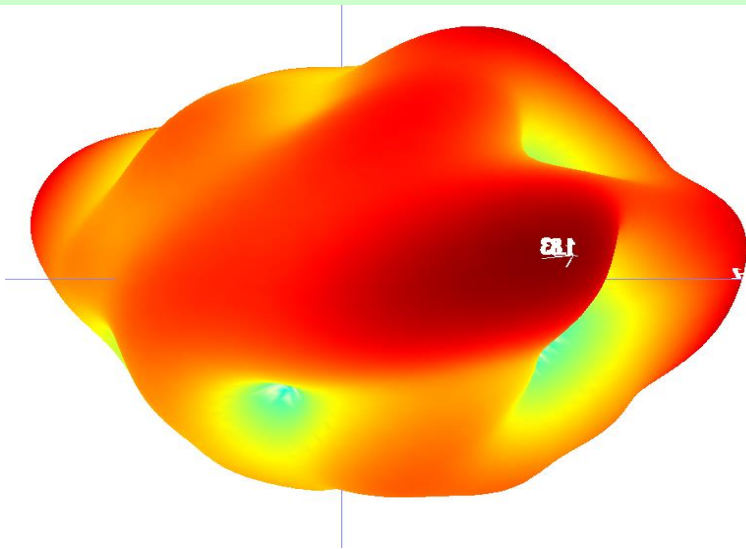
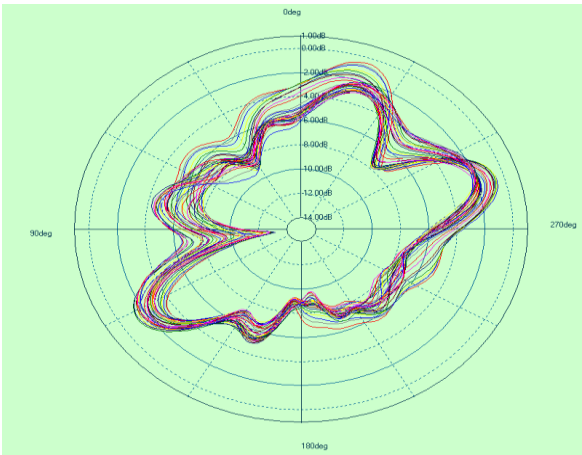
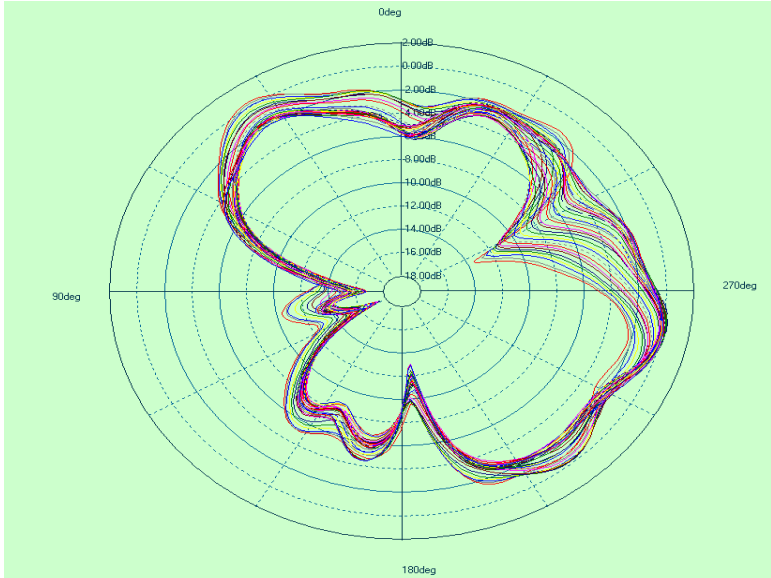
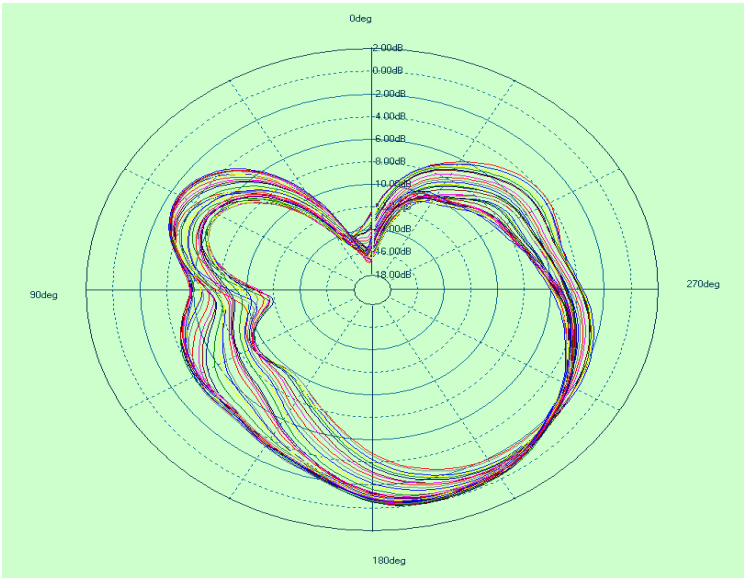
2.4G Passive pattern



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)



5G





	BAND			
BT	CHANNEL	L	M	H
	TRP	7.2	7.6	8.1
	TIS			-80.4



Conclusion



1. This report is the sample antenna test results .
2. If you have any questions, please call.

THANK YOU

If you have any questions, please contact us
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