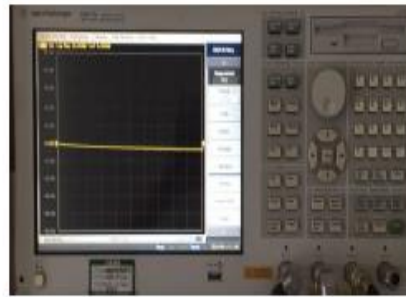


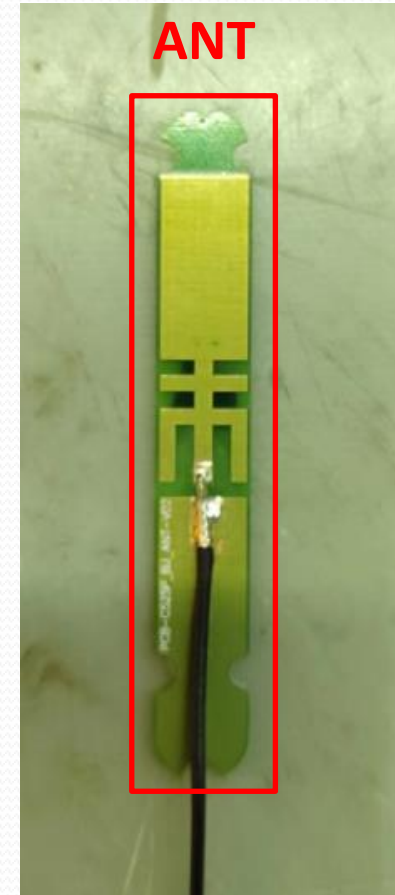
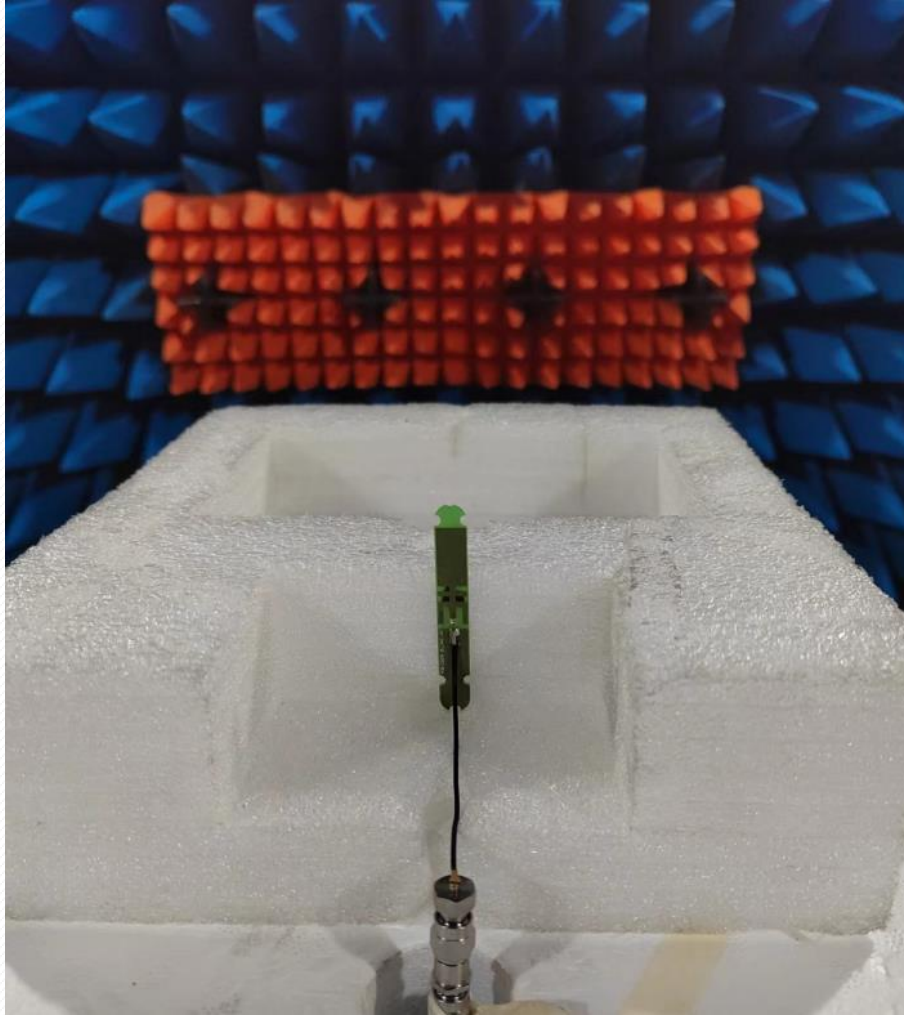
Project Name	DMHS201
Frequency	2400-2500Mhz 5150-5850Mhz
Edit	Tiny Zhao
Version	X1
Report date	2022.09.13

1. Test items and Equipment

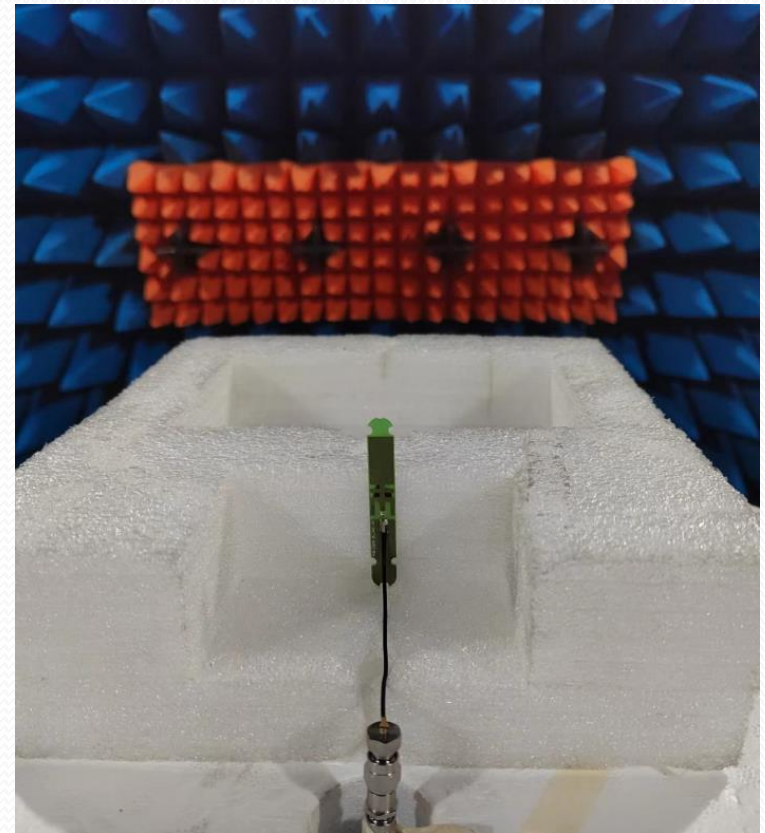
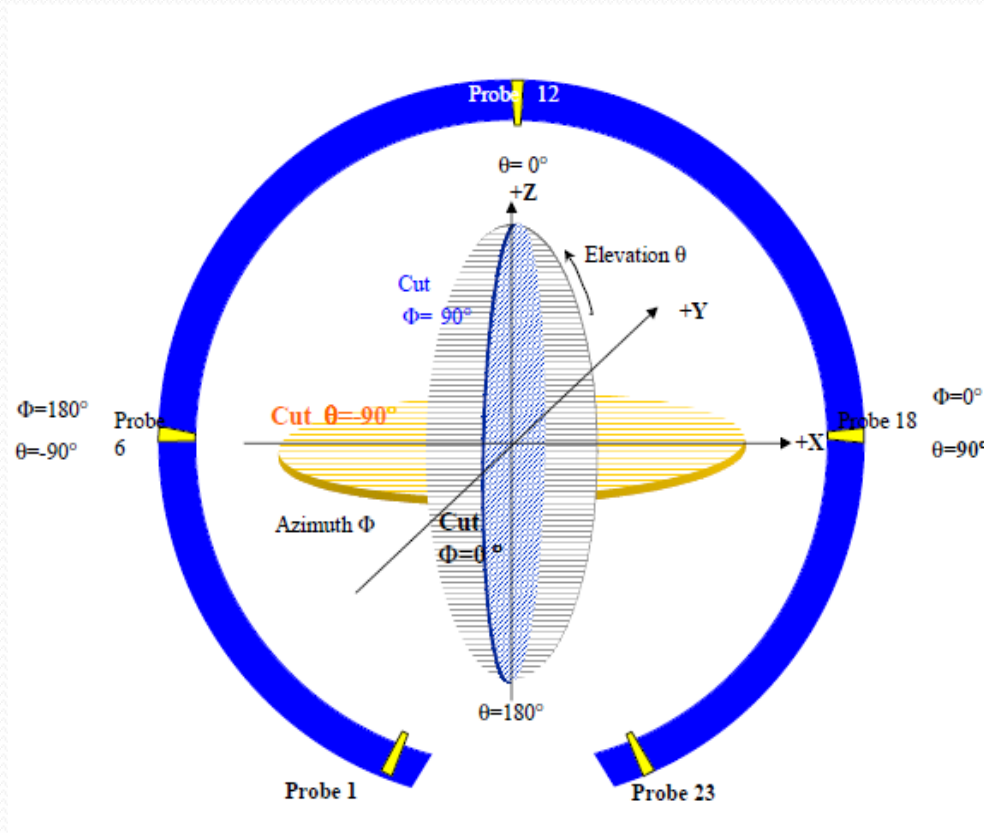
Active index	1. Radiant power	1. Microwave chamber 5M*5M*4M CMW 500
	2. receiving sensitivity	
Passive index	1. S parameter	1. network analyzer E5071B
	2. Radiation parameters	1. Microwave chamber 5M*5M*4M、 2. network analyzer E5071B



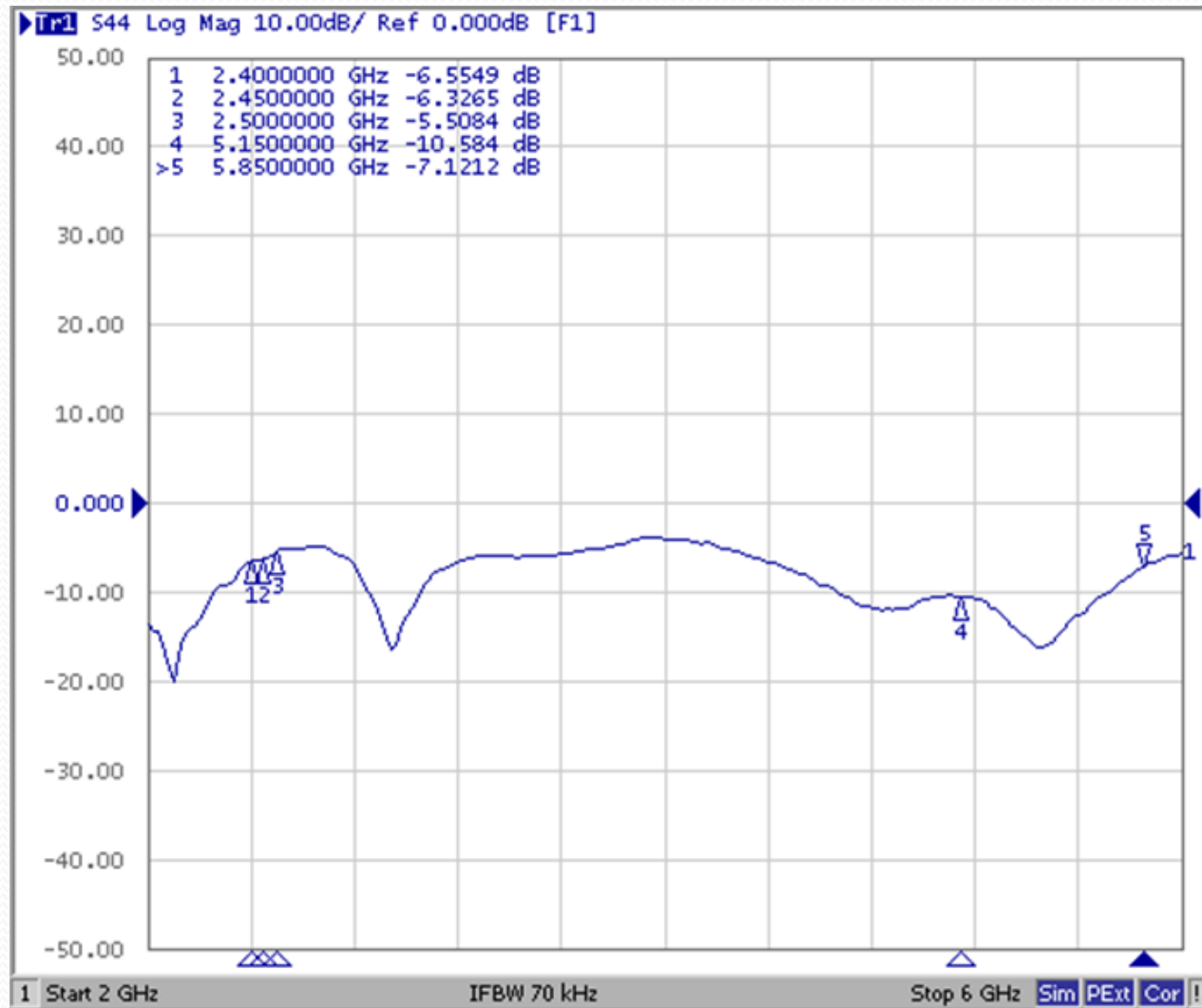
2. Equipment and antenna information



3. Testing environment



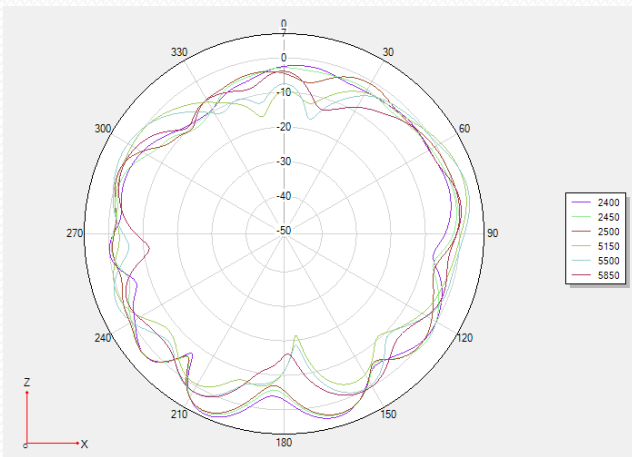
4.1 Antenna parameters---Return Loss



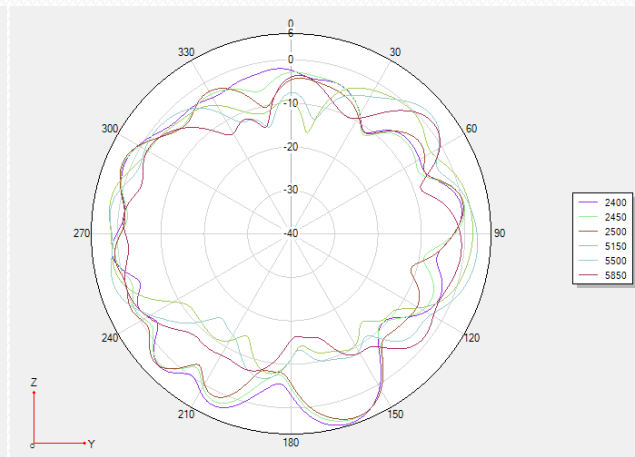
4.2 Passive data---Efficiency&Gain

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	67.78	3.21
2410	65.5	3.09
2420	68.44	3.11
2430	67.61	3.03
2440	66.96	2.87
2450	65.98	2.54
2460	67.29	2.61
2470	67.29	2.36
2480	66.96	2.32
2490	67.45	2.14
2500	68.61	2.36
5150	77.7	3.24
5200	79.5	3.35
5250	79.9	3.19
5300	80.72	3.34
5350	85.62	3.71
5400	86.72	3.66
5450	80.92	2.99
5500	85.4	3.83
5550	79.7	3.34
5600	82.99	3.57
5650	70.52	3.27
5700	66.64	2.96
5750	60.68	2.75
5800	55.38	2.8
5850	54.12	3.08

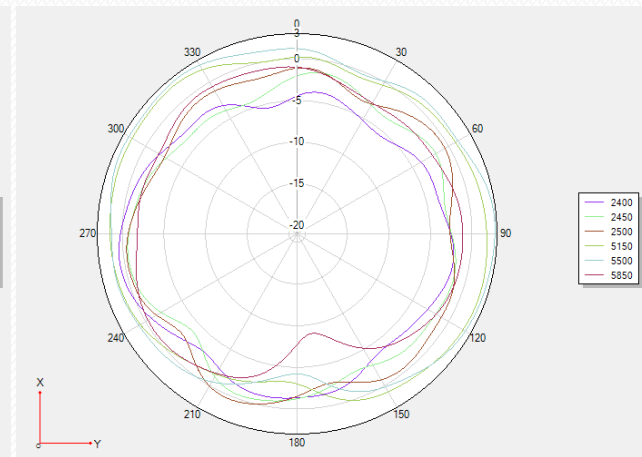
4.3 Passive data---2D Radiation Pattern



$\Phi=0$



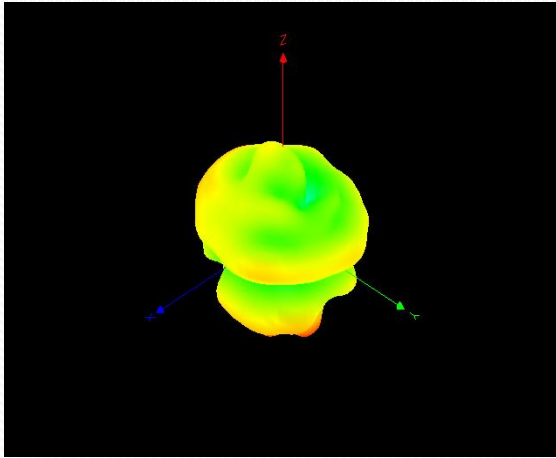
$\Phi=90$



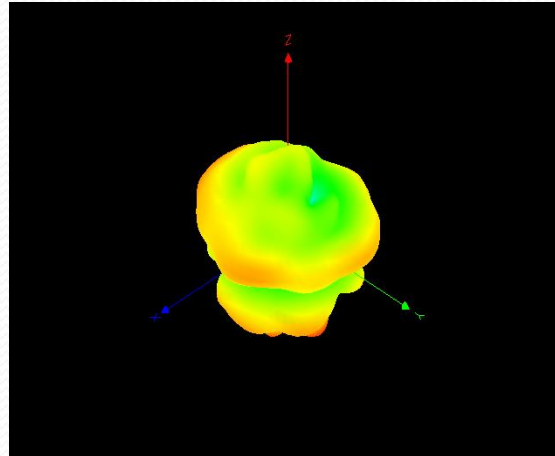
$\Theta=90$

4.4 Passive data---3D Radiation Pattern

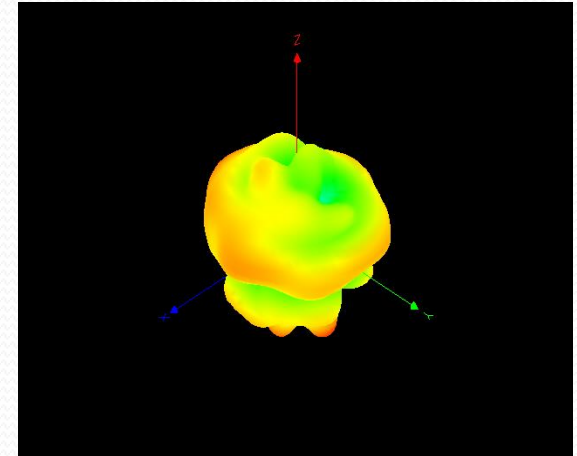
2400Mhz



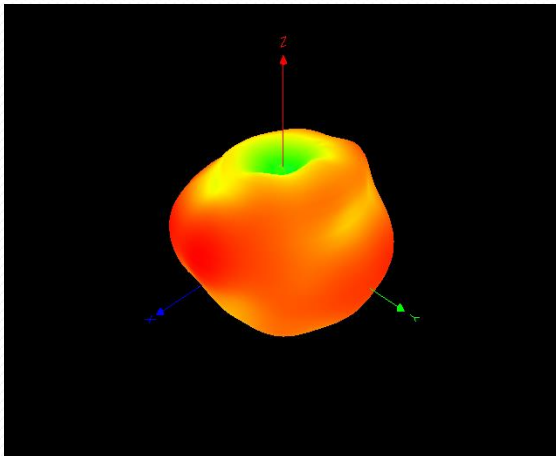
2450Mhz



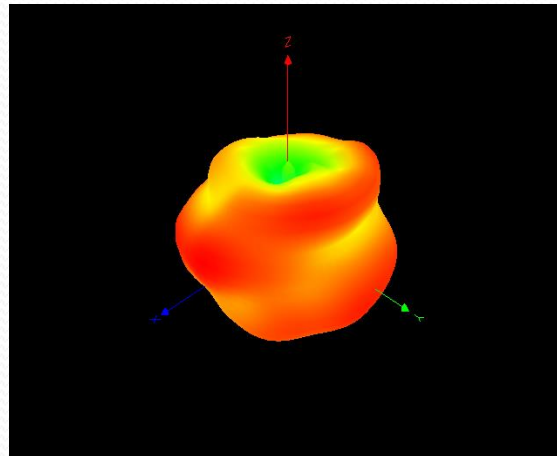
2500Mhz



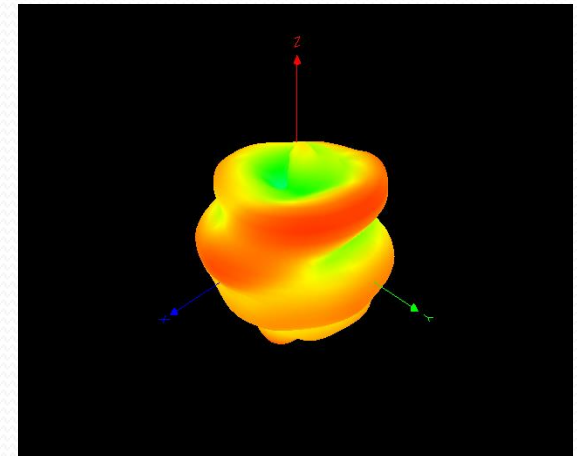
5150Mhz



5500Mhz



5850Mhz



5.summary

1.The above is the single antenna passive test data, and the antenna frequency is offset;