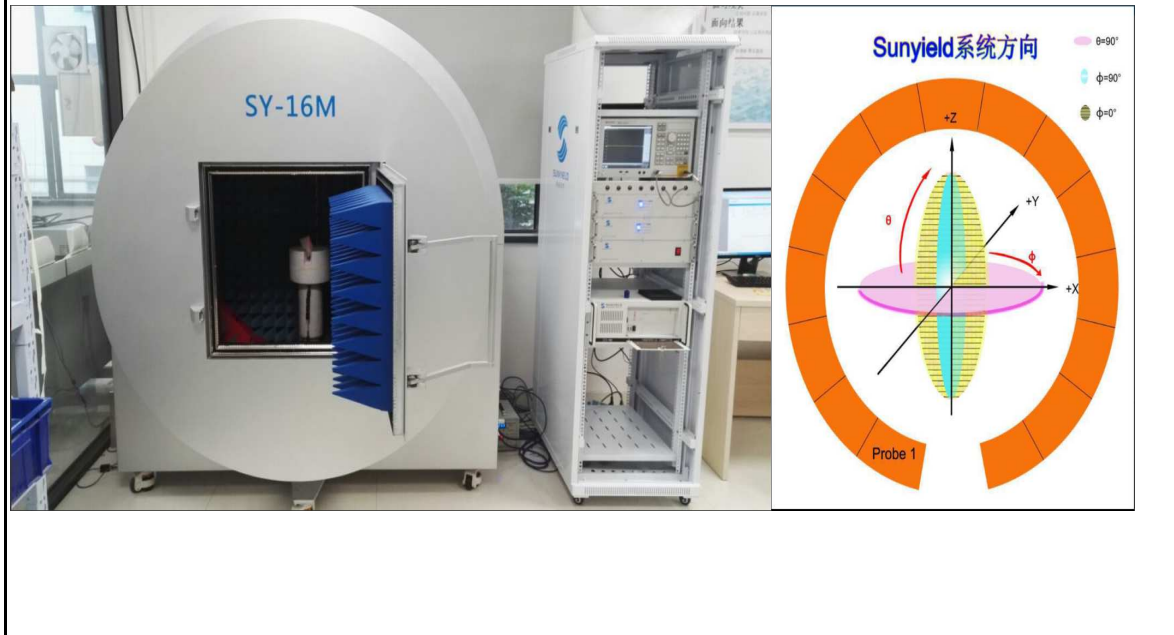


Test Environment

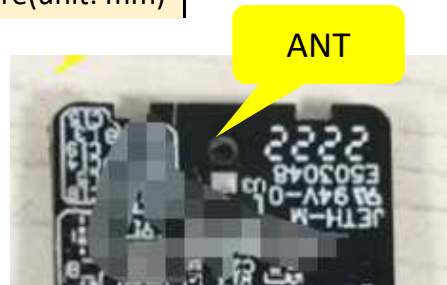
SY-16M Test System



1. Operating band: 2400 MHz ~ 2483.5 MHz

2. Antenna Type: IFA

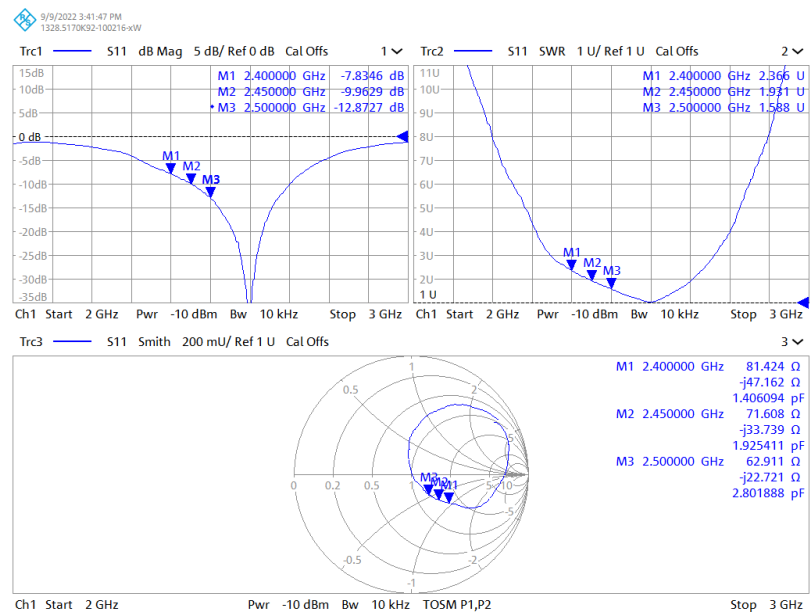
Antenna picture(unit: mm)



Test Result

VNA Data

VSWR & Return loss & Smith Chart



Chamber Data

Gain&Efficiency

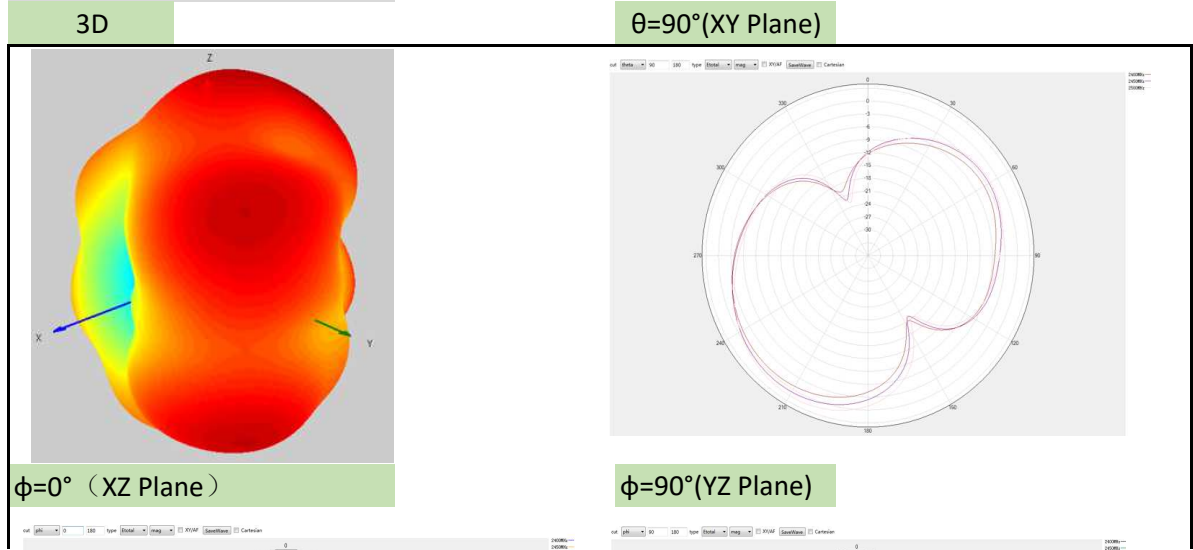
增益和效率

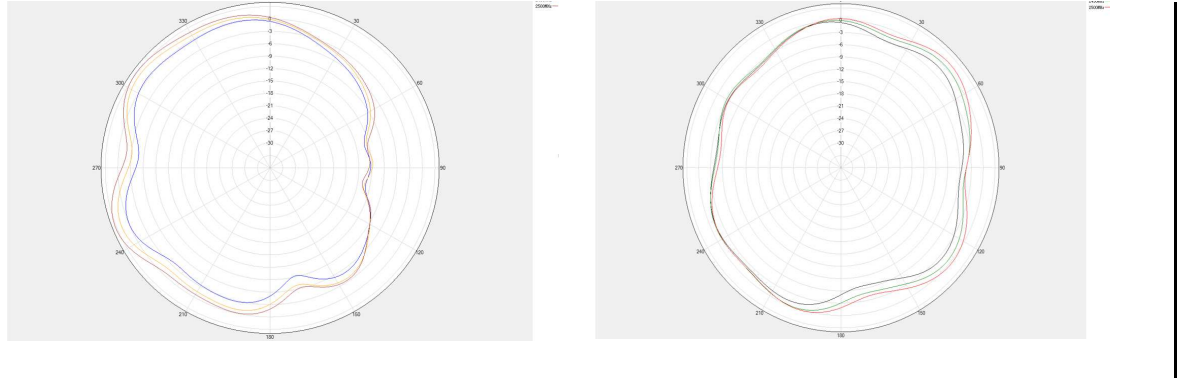
frequency 频率(MHz)	gain 增益(dBi)	mingain 最小增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	1.24	-25.2	-2.75	53.05
2410	1.63	-24.51	-2.54	55.69

2420	2.31	-23.41	-1.91	64.38
2430	2.09	-25.78	-2.13	61.26
2440	1.98	-28.14	-2.18	60.50
2450	2.6	-24.09	-1.69	67.83
2460	3.02	-21.17	-1.31	73.98
2470	2.8	-22.6	-1.46	71.39
2480	2.75	-30.54	-1.59	69.27
2490	3.09	-30.13	-1.35	73.35
2500	3.5	-23	-1.13	77.02
Max	3.5	-21.17	-1.13	77.02
Min	1.24	-30.54	-2.75	53.05

3. Max Antenna gain: 3.5 dBi

4. Antenna pattern(2D/3D)





Conclusion				
Category	Item	Idex	Test Result	Conclusion
Data	VSWR	≤ 2.5	2.3	Pass
	Average Efficiency (%)	$\geq 25\%$ Level Classification: A ($\geq 45\%$) B (35%~44.99%) C (25%~34.99%)	66%	Pass Level:A
Data Analysis	All the test results meet the requirement.			
	Pass			
	(1.Pass 2.Conditional pass 3.Not pass)			