

SPECIFICATION FOR APPROVAL

Customer: Shenzhen City Jiayinwuxian Technology Co.,Ltd
Address: Room 8071, C Zone, 2nd Floor, Building 2, New City Garden, Dalang South Road, Hualian Community, Longhua Street, Longhua District, Shenzhen City

PRODUCT NAME: N8

2.4G Ant

Customer item: 2.4G-FPC

REV:LX-V1.0

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2025/12/10	

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1. Device Configuration



SATIMO Master control and
Multi-probe Microwave Darkroom



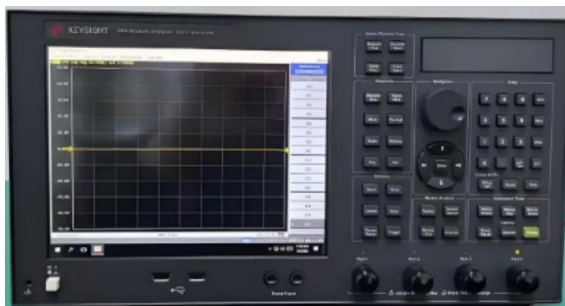
SATIMO Main engine front



SATMIMO Side



Agilent8960



5071B Network Analyzer



CMW500 Synthetic TEST

1. Ant Type

BT antenna designed according to customer`s requirements ,

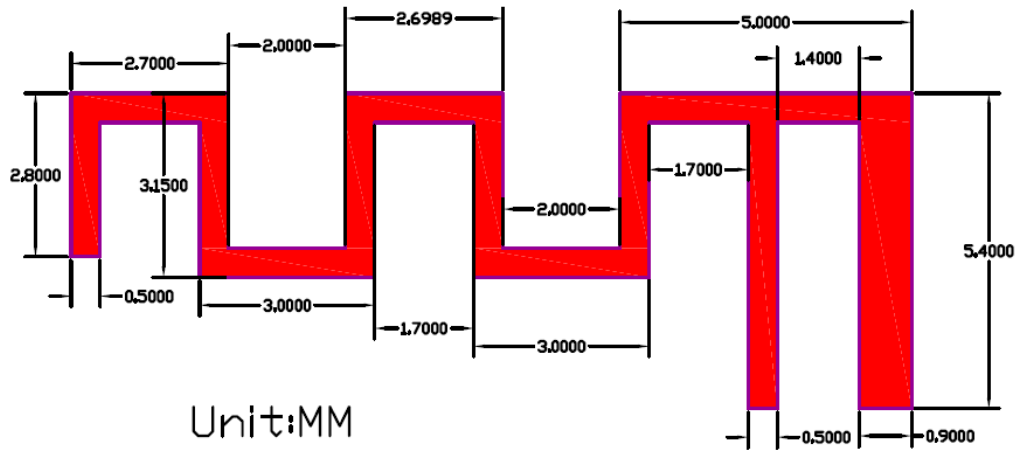
Center frequency. V.S.W.R $\leq$ 1.5.

2. Matching

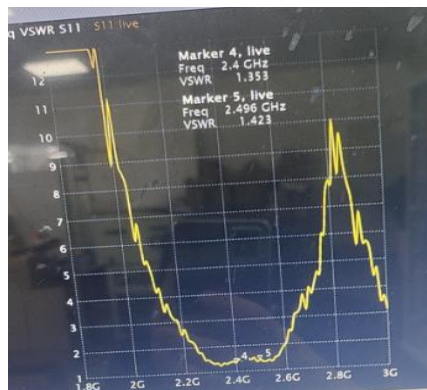
No Change

3. End Product

3-1 Structure chart



4. V.S.W.R

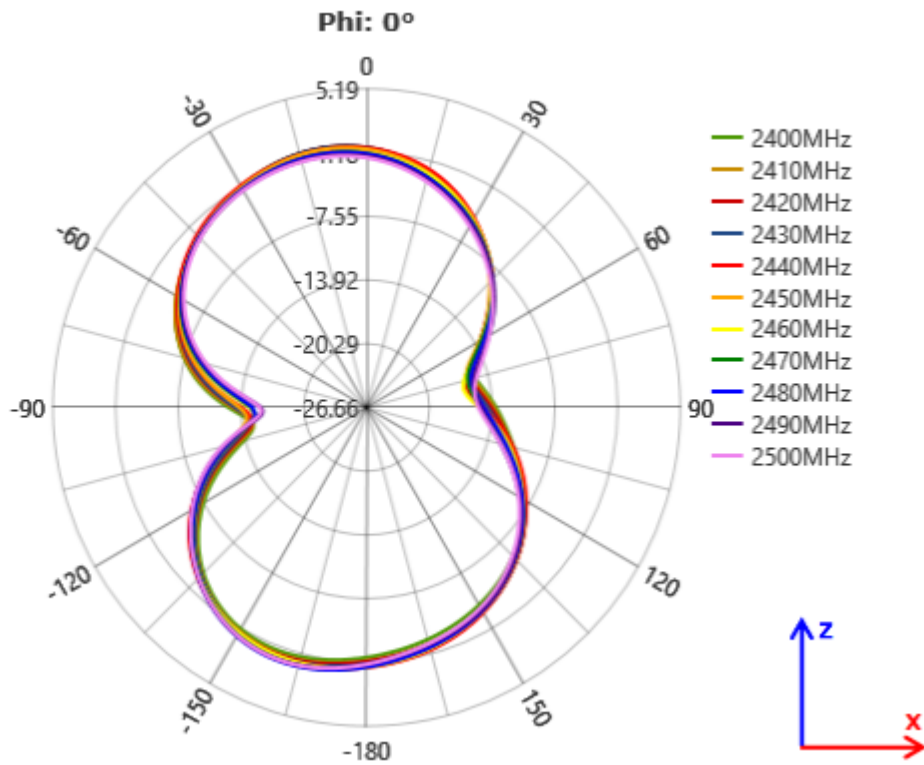


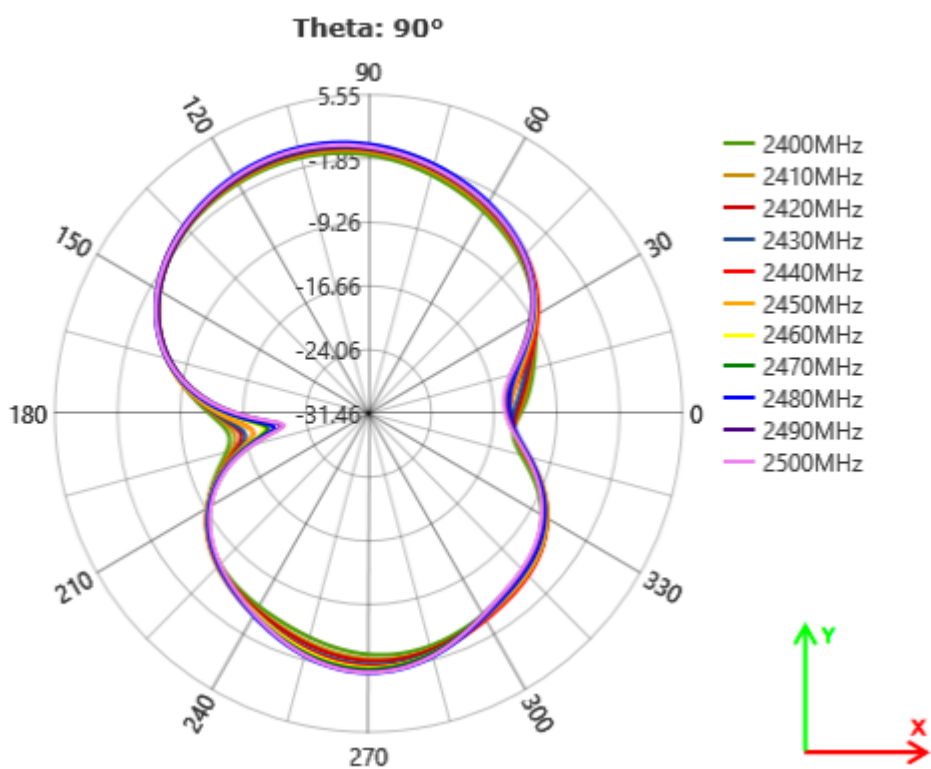
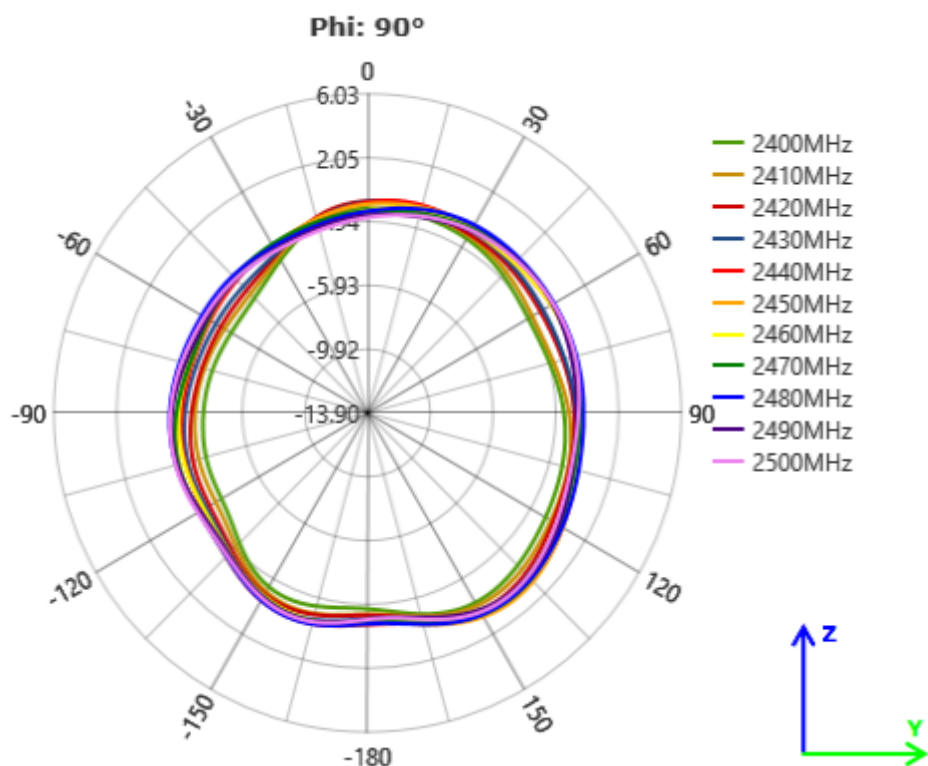
2.4G

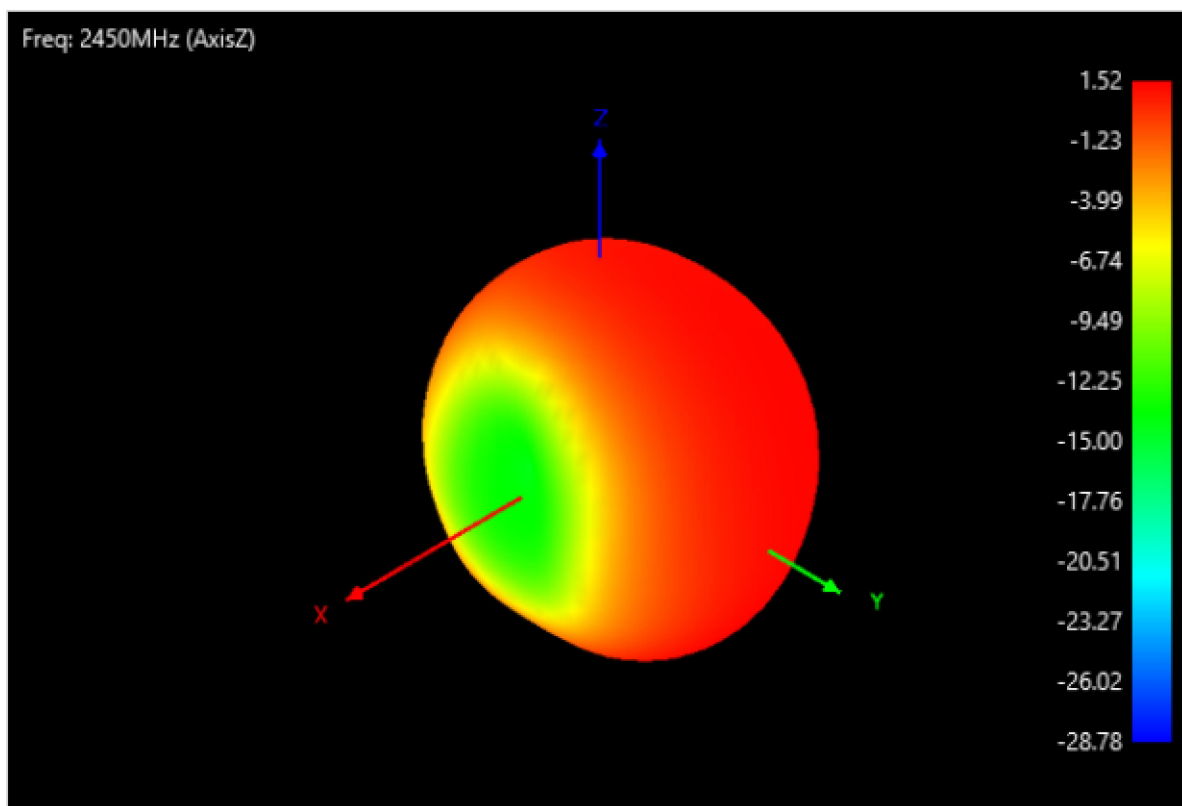
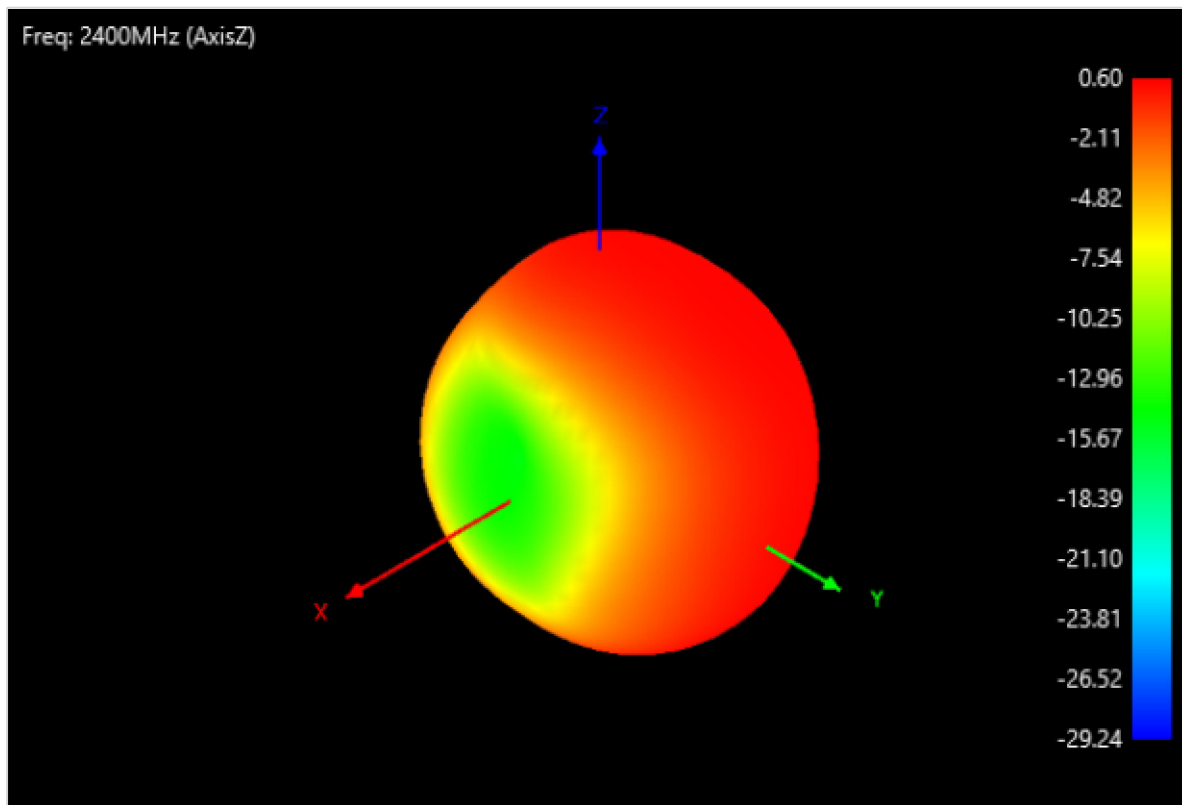
5. Test Report

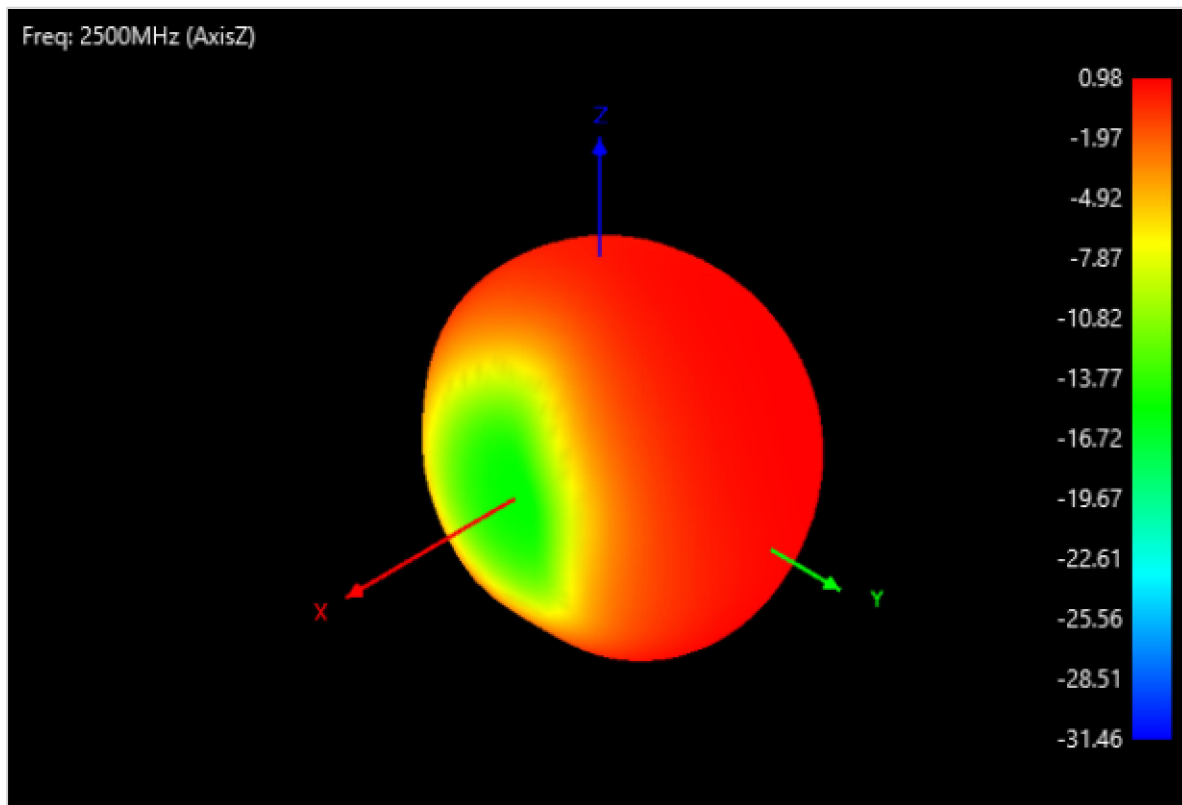
5-1、 Passive gain and pattern

Frequency(MHz)	Gain(dBi)	Efficiency(%)
2400	0.6	46.44
2410	0.85	49.28
2420	1.09	51.20
2430	1.20	52.85
2440	1.37	55.63
2450	1.52	56.22
2460	1.13	53.66
2470	1.24	54.37
2480	1.25	56.12
2490	0.99	53.10
2500	0.98	53.23









1	BENDING TEST	The load on the line end 30CM away from the joint is 120g, Carry out swing test after fixing the joint, Swing left and right 60 degrees, Test the performance after shaking for 1000 times.	After shaking for 1000 times. the test performance is good.
2	STRENG TEST	A 15-pound static load is applied to the bottom of the pay-off end for 1 minute	There is no sign of electrical and mechanical properties.
3	PULLING FORCE	Test the tension between the joint and the wire with a tension meter.	There is no sign of electrical and mechanical properties., The tensile can be 0.5Kg.
4	VIBRATION TEST	Vibrate in the X-axis direction for 120minutes, in the Y-axis direction for 120minutes and in the Z-axis direction for 240minutes at a vibration frequency of 1.10M and amplitude of 33.30H/sec,	There is no sign of electrical and mechanical properties.

7. Durability Test

1	SAIT SPRAY TEST	Distilled water according to GB1266-86 standard : once distillation PH6.5~7 Spray quantity: 1.4me80cm²/h Atmospheric pressure: 1Kgf/ cm² Experimental relativity: 98° Temperature: 45°~47° Pressure and temperature: 35° Test Time: 24hr	All characteristic range is 30% of the initial value
2	HEAT TEST	85±2℃ for 24 hours, after keep in normal condition for 30min the to test.	

3	HUMIDITY TEST	On $40\pm 2^{\circ}\text{C}$ 90-95%RH for 24hours, after keep in normal condition for 30min the to test.
4	COLD TEST	$-40\pm 2^{\circ}\text{C}$ for 96hours, after keep in normal condition for 30min the to test.