



APPROVAL SHEET

承认书

CUSTOMER NAME		
CUSTOMER P/N		
PART NAME	2.4G/5.8G black FPC built-in antenna	
P/ N	YJC-6N050-B159	
APPROVAL REV.	A0	
DELIVERY DATE	July 08, 2026	
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APPROVED BY	(Xiao Han)	
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Directory

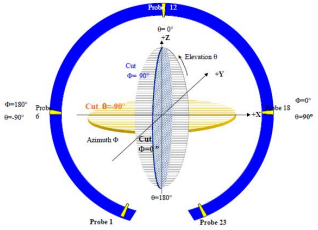
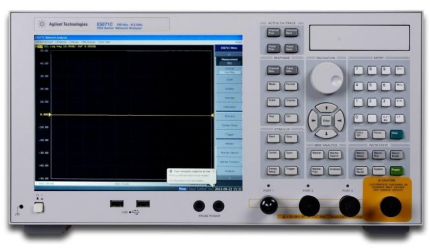
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Revised resume:

version	Change contents and reasons	date	Sell wholesale
A0	NEW	July 08, 2026	

Instrumentation:

	Test items	Test equipment
S Parameter	1. Return Loss 2. VSWR	Network analyzer (Agilent E5071B) (Calibration date: 10 November 2025-9 November 2026)
Passive test	1. Frequency 2. Gain 3. Radiation Pattern	1. 3D microwave darkroom (5m*4m*4m) 2. Network analyzer (Agilent E5071B) (Calibration date: 10 November 2025-9 November 2026)
Active test	1. TRP 2. TIS	1. 3D microwave Chamber (5m*4m*4m) 2. Comprehensive test instrument (CMW500) (Calibration date: 9 November 2025-8 November 2026)
Passive is to collect DUT spherical near-field data through multi-probe, and then the direction map of DUT is calculated by the near-far-field conversion formula. Finally, the gain and efficiency are calculated by the directionality coefficient on the direction map		
Dark room coordinates		
		
CMW500		Agilent E5071B
		

**Antenna technical parameters and environmental test:**

Electrical technical parameters			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400-2500MHz/5150-5850MHz	Antenna Color	Black
VSWR	\	Working Temperature	-20℃~+70℃
Input Impedance	50 Ω	Working Humidity	20%~80%
Direction	Omnidirectional	Gain	0.38dBi
Interface form	XD-II	Antenna type	dipole

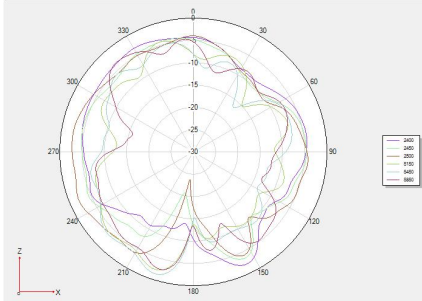


2D,3D test data:

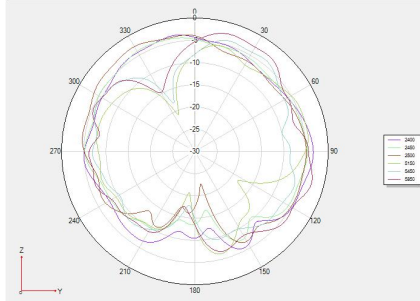
Frequency/Mhz	Efficiency / %	Gain/dBi
2400	50.21	-1.44
2410	52.25	-0.95
2420	53.16	-0.86
2430	50.30	-1.25
2440	50.78	-1.51
2450	52.05	-1.83
2460	54.39	-0.71
2470	52.65	0.16
2480	51.66	-0.27
2490	51.07	-0.32
2500	52.05	-0.56
5150	38.11	-1.06
5250	41.58	-0.13
5350	41.06	0.38
5450	39.13	0.08
5550	34.76	0.22
5650	34.06	-0.32
5750	33.77	-0.47
5850	37.91	-0.24

2D、3D test pattern

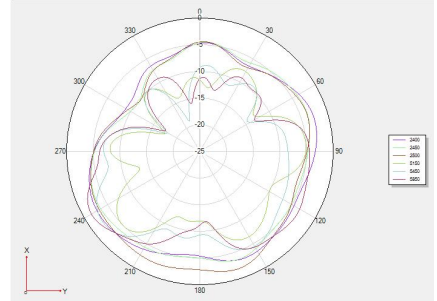
Phi 0 2D:



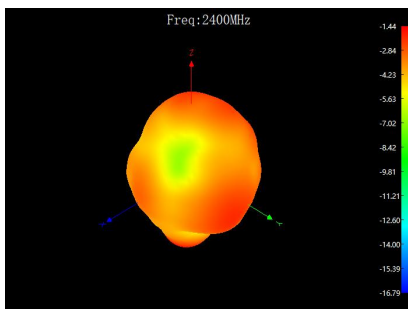
Phi 90 2D



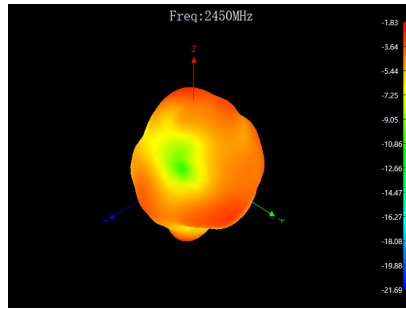
Theta 90 2D



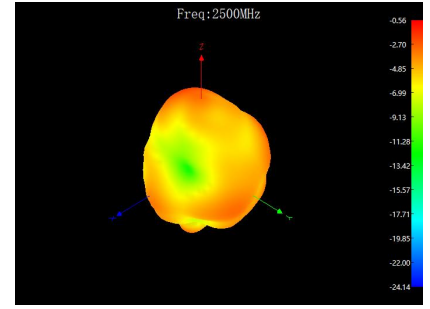
2400MHz



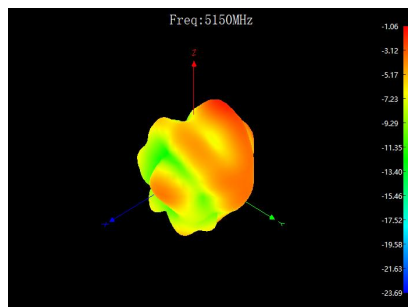
2450MHz



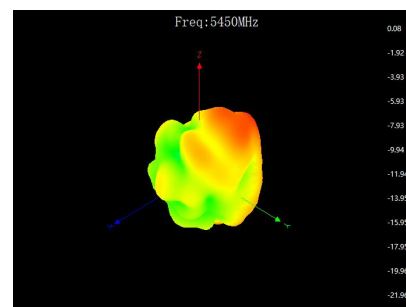
2500MHz



5150MHz



5450MHz



5850MHz

