

No. : Y2511261562

Date: 2025.12.04

Version: A0

Client: Haowei Electronics

Item: HW2518-PLD-DS06

No. : 74220752

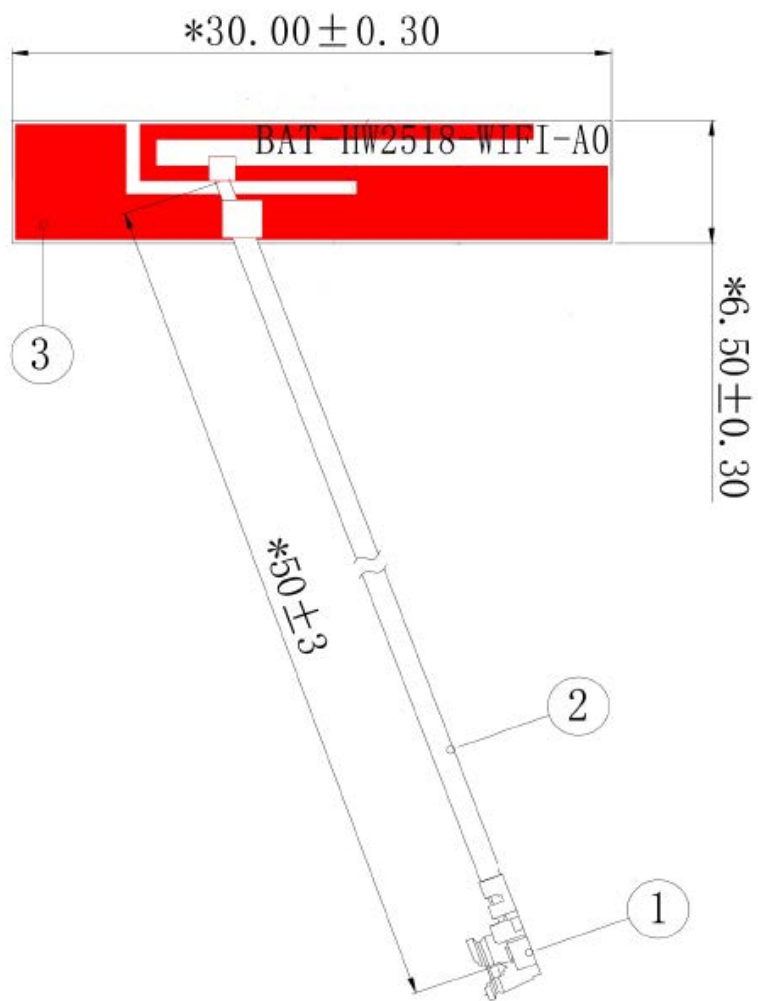
Description: Built-in Antenna-2.4 GHz-Black 0.81 Silver-
Tin Wire-1st Generation Terminal-L=50mm-FPC-30×6.5mm

Contact Information

Business Contact: Long Mingguo	Phone: 18576042661	Email: longmg@tech-now.com
Technical Contact: Liu Wei	Phone: 19971185956	Email: liuwei@tech-now.com
Quality Contact: T an Jiexin	Phone: 18181766292	Email: tanjx@tech-now.com

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3、Product drawings

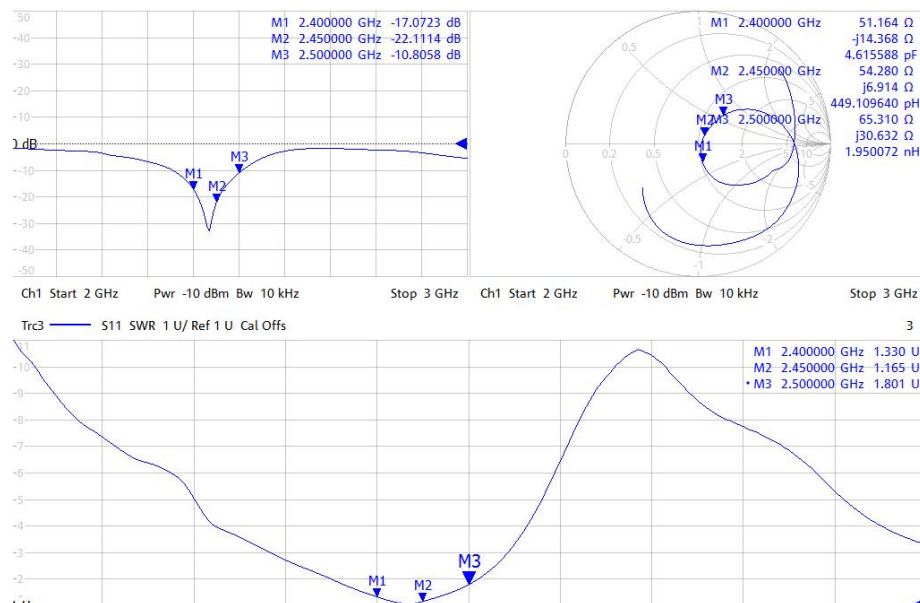


4、Performance Specifications

Electrical Specifications	
Frequency Range	2400~2500MHz
Input Impedance	50 Ω
Standing Wave Ratio	Reference Engineering Samples
Power Capacity	<10w
Polarization	Linear Polarization
Directional Pattern	Omnidirectional
Connector Type	Port
Mechanical Specifications	
Cable Length	50 $\pm$ 3mm
Terminal Retention Force	$\geq$ 0.4Kgf
Coaxial Cable	Black 0.81 mm Silver-Tin Wire

5、Electrical Performance Test Report (Complete Unit)

Antenna S11 Parameter Plot



VSWR Data

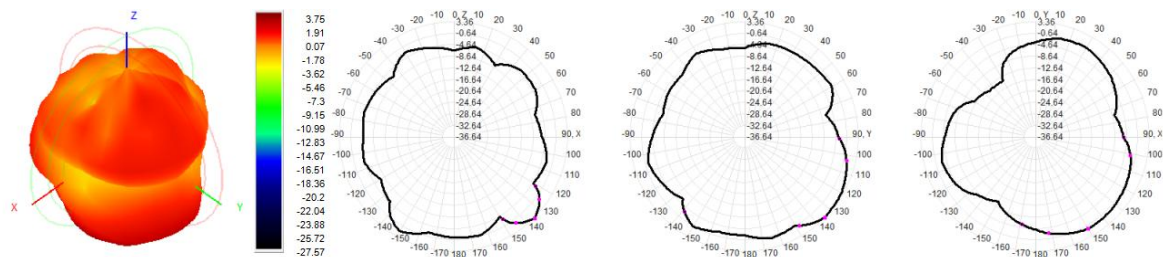
Freq/MHz	2400MHz	2450MHz	2500MHz
VSWR	1.33	1.16	1.80

Antenna Anechoic Chamber Test Data

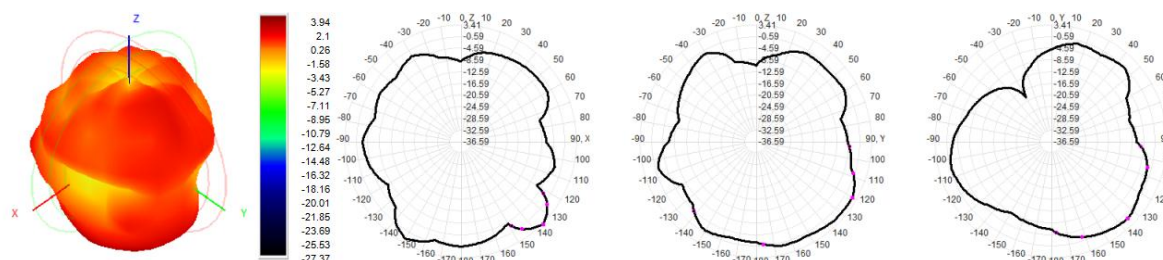
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	3.75	45.04
2410	4.42	46.19
2420	3.76	48.38
2430	4.13	48.76
2440	3.97	50.29
2450	3.94	52.23
2460	3.58	54.51
2470	4.24	51.72
2480	3.89	50.09
2490	4.32	49.14
2500	4.05	47.63

Antenna Pattern

2400M 3D-E1-E2-H



2450M 3D-E1-E2-H



2500M 3D-E1-E2-H

