



APPS Electronics Limited

SPECIFICATION FOR APPROVAL

Customer: _____

Product Name: _____ WIFI Stick Antenna

Description: _____ Black plastic 2.4 GHz Wi-Fi antenna, 1.13-inch cable with IPEX-1 connector, compliant with RoHS requirements

CUSTP/N: _____

APPS P/N: _____ AE-WW13C01WIFI-001A01

Approval Date: _____ 2026.5.27

Approved	Checked By	Made By

Customer Approve:

Approved	Checked By	Undertake By

Address: Room 505, Tower A, Xinian Center, Tai Ran 9th Road, Futian District, Shenzhen

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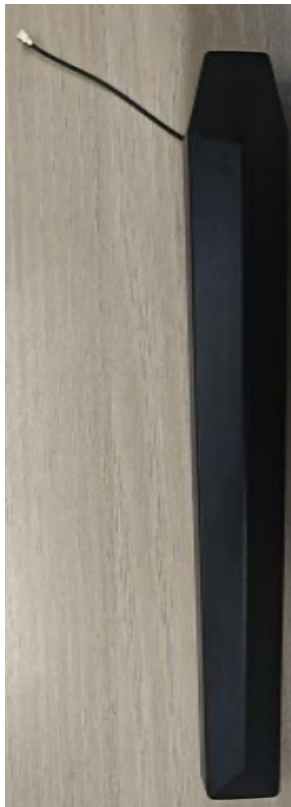
Website: www.appselectronics.com



Part No. : AE-WW13C01WIFI-001A01

Product Name : WIFI 2.4G Antenna

Application : WIFI 2.4G Wireless Communication, a range of products including routers, gateways, security cameras, and smart home devices.





1.Specification Table

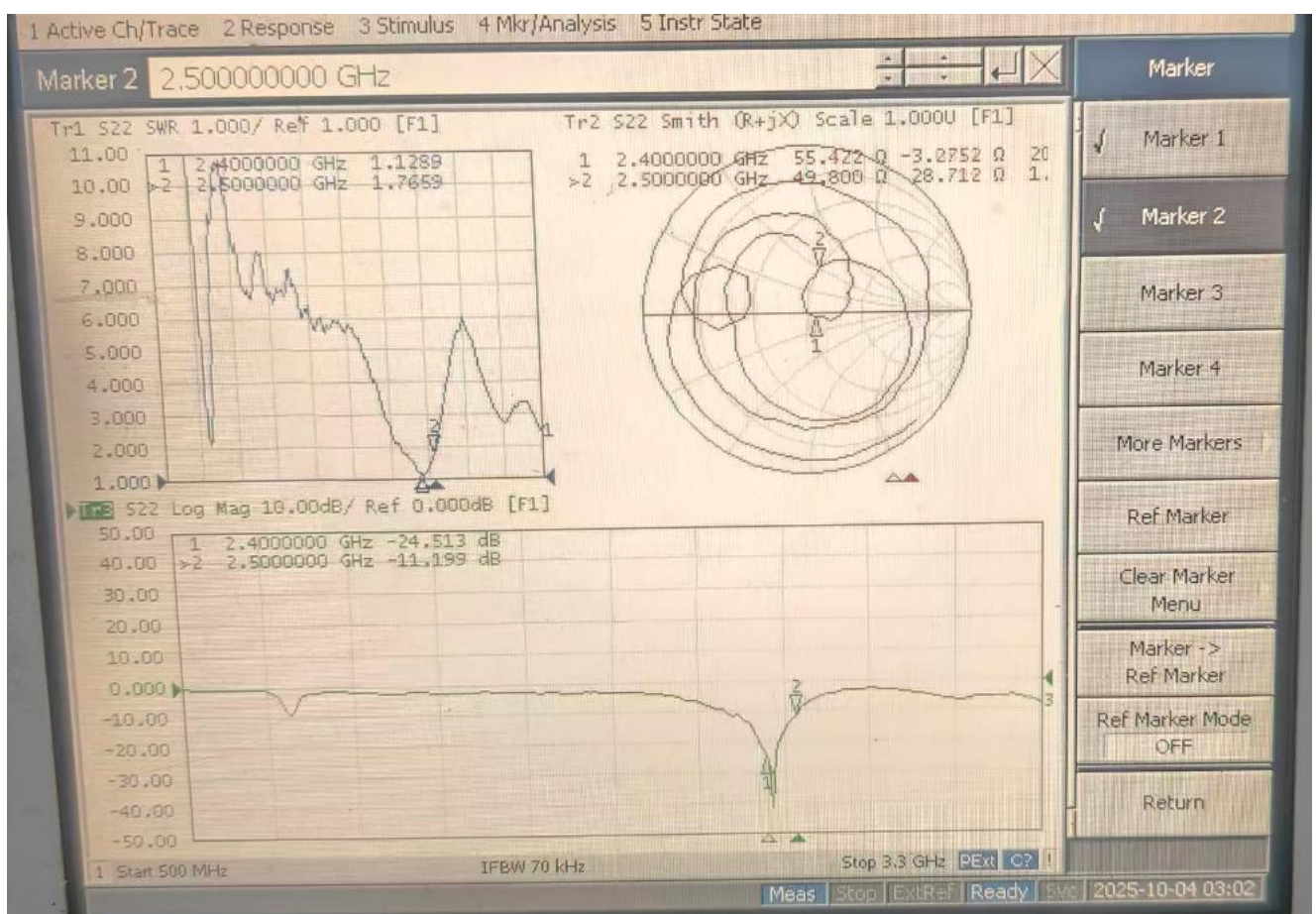
	ELECTRICAL
-	WIFI 2.4G
Frequency Range	2400~2500MHz
Gain	≤ 4 .0dBi
VSWR	2.0 Max
Impedance	50 Ω
Admitted Power	2W
Polarization	LinearVertical
Directivity	Omni

MECHANICAL	
Cable / Connector	1.13 Black Cable / 1st generation IPEX
Housing	ABS (Black)
Weight	-
Dimension	24.5mm * 116.2mm

ENVIRONMENTAL	
Operation Temperature	-20°C ~ +60°C
Storage Temperature	-20°C ~ +60°C
Relative Humidity	10% to 95%

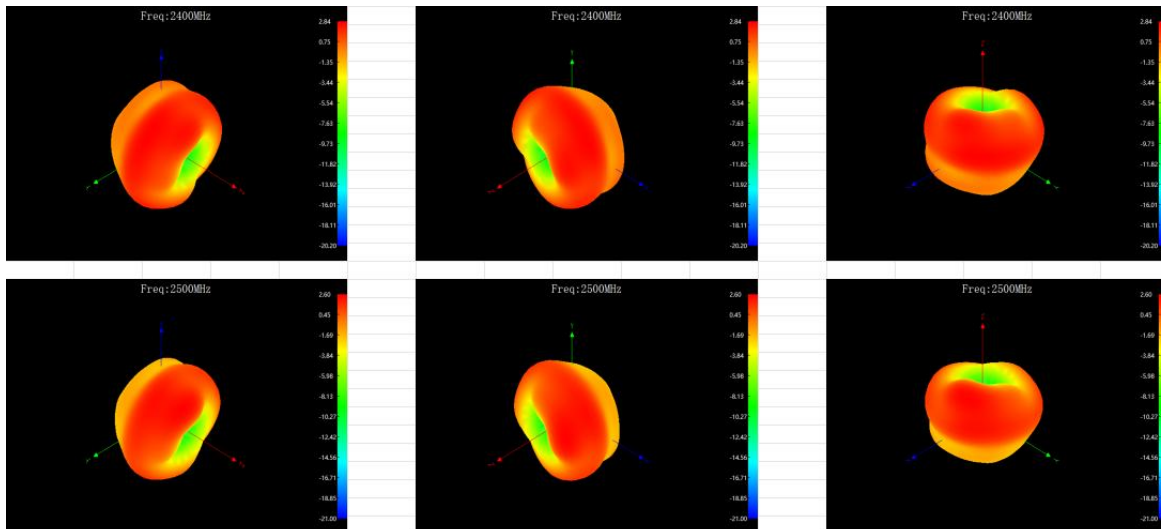
2.4G Module

2.1 VSWR / Return Loss / Smith Chart



2.2 Gain&Efficiency and 3D Radiation Pattern

Frequenc	MaxGain/	Efficiency / %
2400	2.84	73.62
2410	2.8	69.82
2420	2.76	70.15
2430	2.67	66.53
2440	2.65	65.92
2450	2.66	63.1
2460	2.76	62.81
2470	2.56	61.8
2480	2.8	60.39
2490	2.69	60.95
2500	2.6	57.41



3.Mechanical Drawing

