

Drones WIFI

UND-WLT39MM(RA)M



Electrical Characteristics

Parameter	Specification
Frequency	2400/5800 MHz
V.S.W.R.	<= 1.5
Peak Gain	3dBi
Radiation Pattern	Omni-Directional
Polarization	Linear
Impedance	50 Ohm

Material & Mechanical Characteristics

Parameter	Specification
Material of Radiator	ABS Polymer
Cable Type	RG-174
Connector Type	MMCX RA (Optional)
Dimensions	φ 170 * 21.8mm
Weight	40g

Environmental

Parameter	Specification
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 20 °C ~ + 65 °C

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ISO 9001



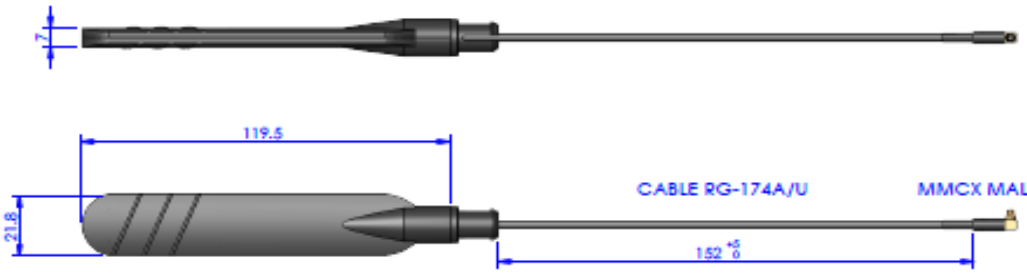
Key Technical Specifications & Features

- **Frequency Support:**
- **Frequency Range:** Operates at 2400/5800 MHz, providing broad compatibility with standard Wi-Fi drone video transmission and control systems.
- **Peak Gain:** Features a 3dBi gain for stable, 360° omnidirectional signal coverage.
- **Summary of Application Advantages:**
- Designed specifically for UAV communications, this high-performance antenna delivers optimal impedance matching, a compact and lightweight profile, and versatile installation options. It is ideal for drone ground stations, remote controllers, and HD video transmission systems.

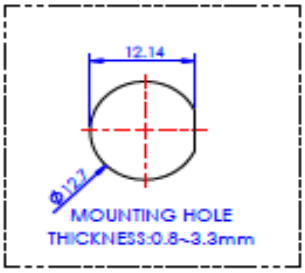
Applications :

Automotive, recreational, UAV, handheld system.

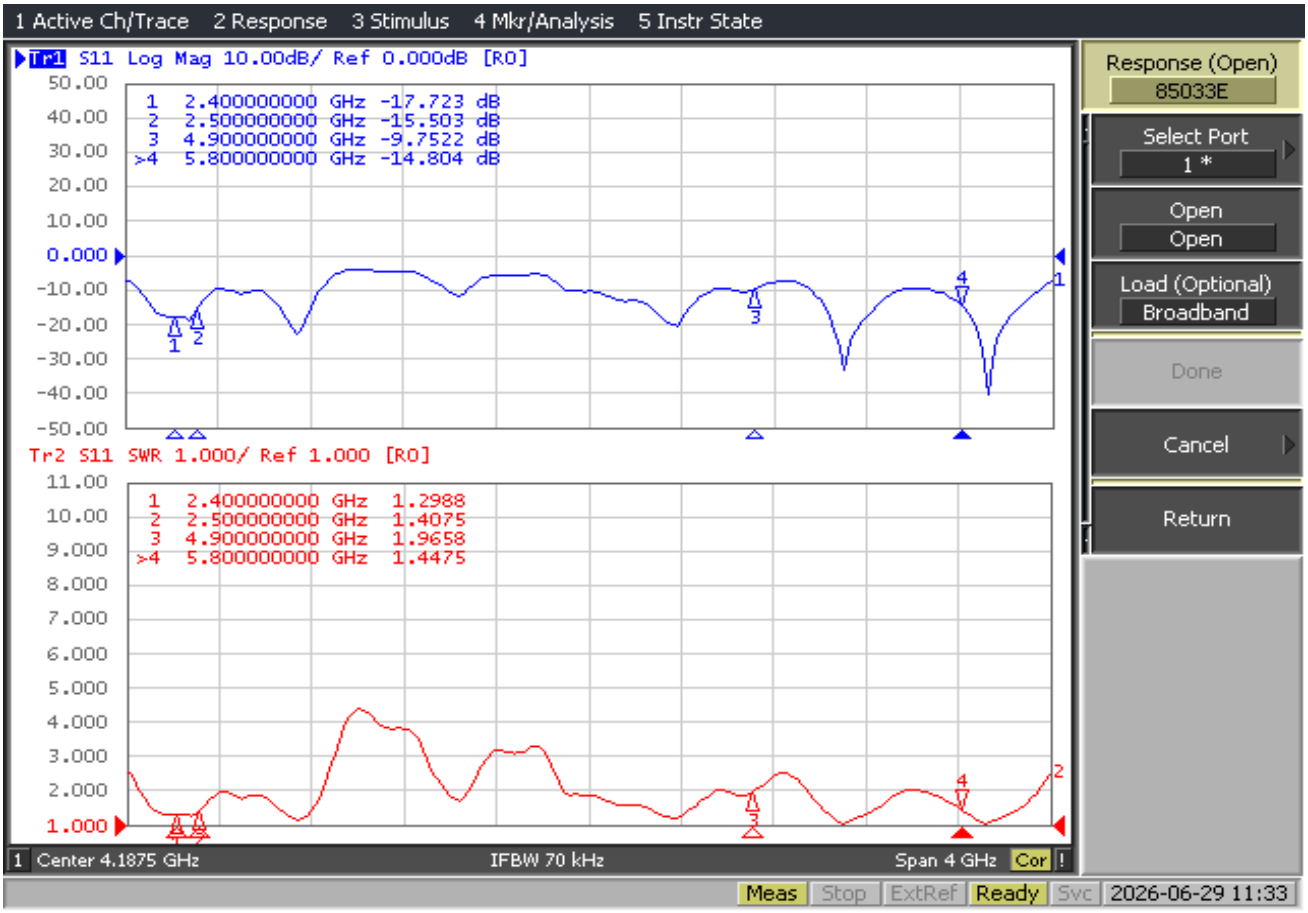
DATE	DESCRIPTION	REV
2026.10.19	First drawing	A

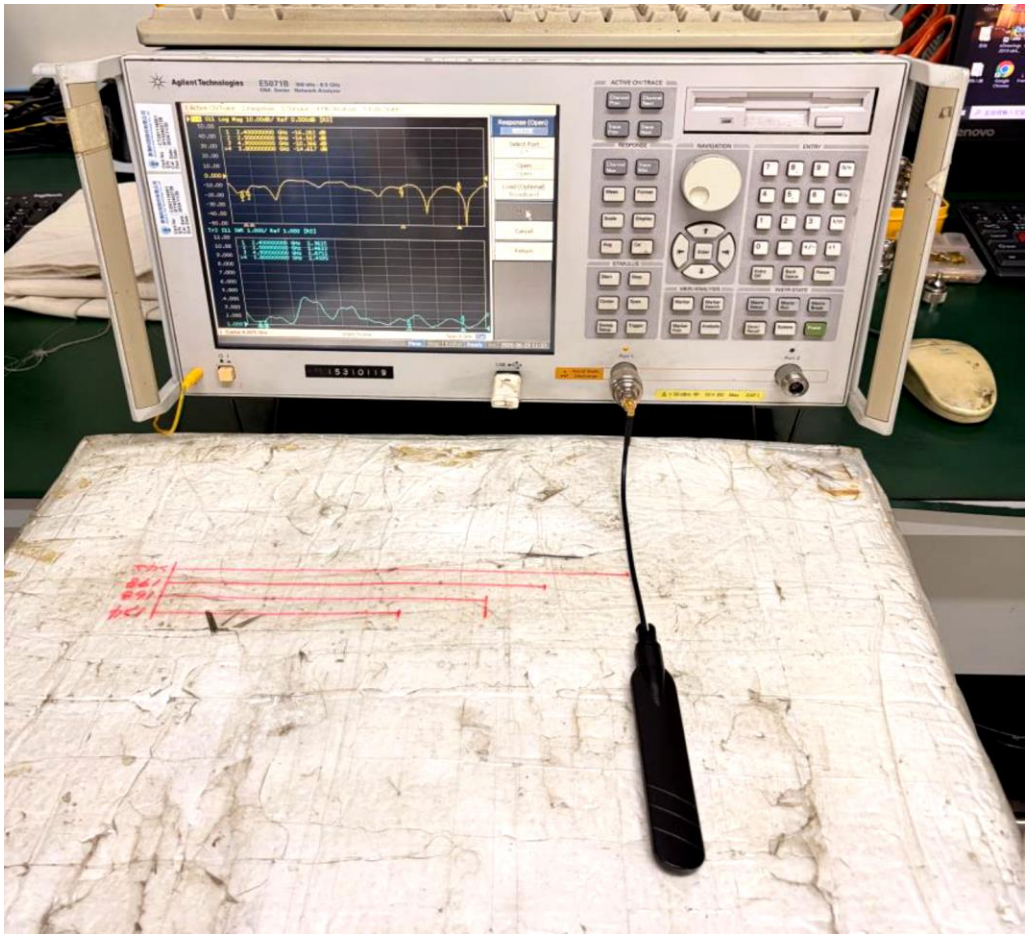


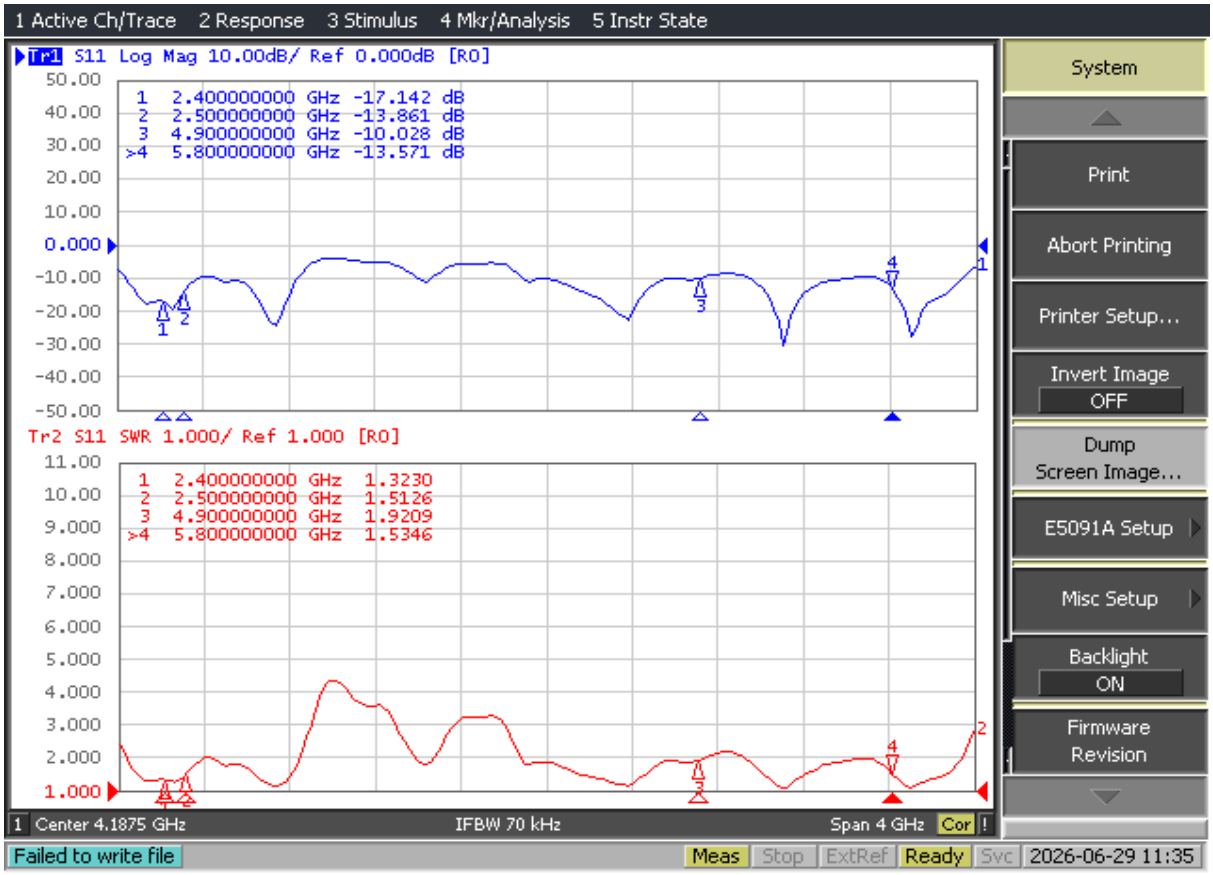




EVERCOM COMMUNICATION TECHNOLOGY CO; LTD	CHECKED BY	APPROVAL BY	DESIGNED BY	SCALE	UNIT
MODEL NO. UND-WLT39MM(RA)-M0152-ARC			PATRICK 2026.10.19	1 : 1.5	mm






1 Active Ch/Trace
2 Response
3 Stimulus
4 Mkr/Analysis
5 Instr State
Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [RO]
1 2.400000000 GHz -17.142 dB
2 2.500000000 GHz -13.861 dB
3 4.900000000 GHz -10.028 dB
>4 5.800000000 GHz -13.571 dB
Tr2 S11 SWR 1.000/ Ref 1.000 [RO]
1 2.400000000 GHz 1.3230
2 2.500000000 GHz 1.5126
3 4.900000000 GHz 1.9209
>4 5.800000000 GHz 1.5346
System
Print
Abort Printing
Printer Setup...
Invert Image
OFF
Dump
Screen Image...
E5091A Setup
Misc Setup
Backlight
ON
Firmware
Revision
1 Center 4.1875 GHz
IFBW 70 kHz
Span 4 GHz
Cor
Failed to write file
Meas
Stop
ExtRef
Ready
Svc
2026-06-29 11:35



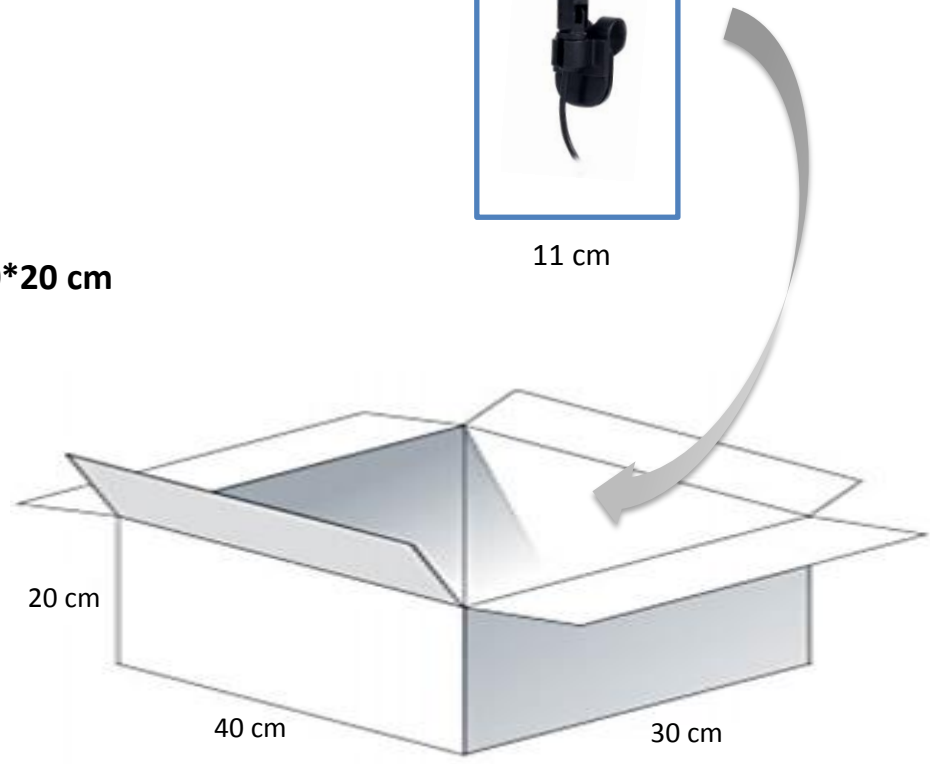
Packaging

Sealing



***1 pc Antenna**
PE bag / each

100 pcs per carton
Carton Dimensions: 40*30*20 cm



CE FC RoHS COMPLIANT DNV **ISO 9001**