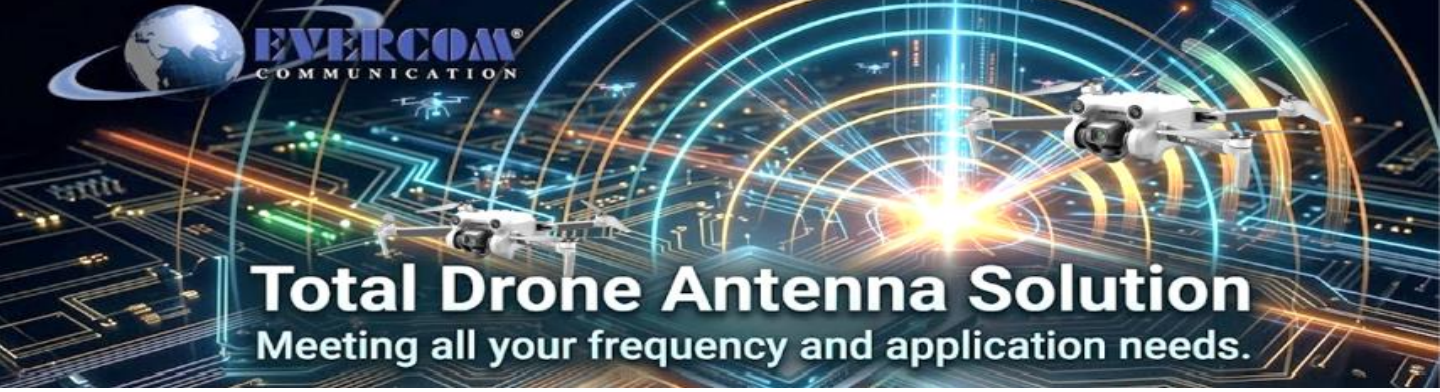


Drones WIFI

UWB-DRO-71IPEX115



Electrical Characteristics

Parameter	Specification
Frequency	5150 ~ 5850 MHz
V.S.W.R.	<= 2.0
Peak Gain	4.5dBi
Radiation Pattern	Omni-Directional
Polarization	Linear
Impedance	50 Ohm

Material & Mechanical Characteristics

Parameter	Specification
Material of Radiator	Copper / ABS
Cable Type	1.13 Cable
Connector Type	IPEX
Dimensions	ϕ17.3 * 16.5mm
Weight	3g

Environmental

Parameter	Specification
Operation Temperature	- 40 °C ~ + 75 °C
Storage Temperature	- 40 °C ~ + 80 °C

EVERCOM COMMUNICATION TECHNOLOGY CO., LTD.
No.108 Jiesin St. Taoyuan District Taoyuan City 33063, Taiwan R.O.C.
Tel：+886-3-376-5678 Fax：+886-3-376-5319 E-Mail：service@evercomtech.com

CE FC RoHS COMPLIANT DNV ISO 9001



Key Technical Specifications & Features

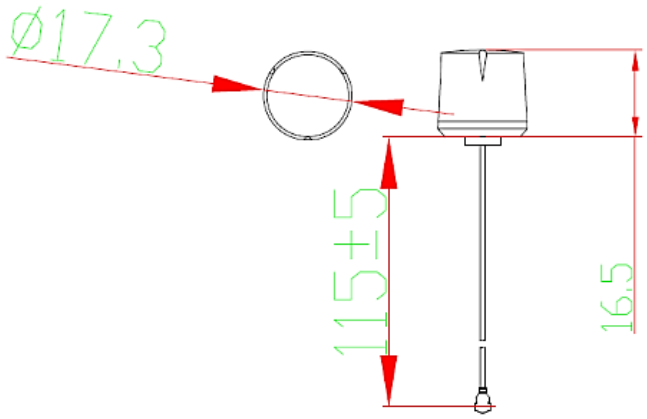
- **Frequency Support:**
- **5 GHz Operating Band:** Operates across 5150–5850 MHz (5 GHz), offering broad compatibility with standard Wi-Fi drone video transmission and control systems.
- **Optimized Signal Gain:** Features a 4.5dBi gain to deliver stable, omnidirectional signal coverage.
- **Summary of Application Advantages:**
- This antenna provides a dedicated drone communication solution engineered for reliable RF performance. Combining strong impedance matching, wideband 5 GHz coverage, a lightweight form factor, and flexible mounting options, it is well-suited for drone ground stations, remote control receivers, and high-definition video transmission systems.

Applications :

Automotive, recreational, UAV, handheld system.

RoHS Compatible

SIGN	DATE	DESCRIPTION	APPROVER
3			
2			
1			

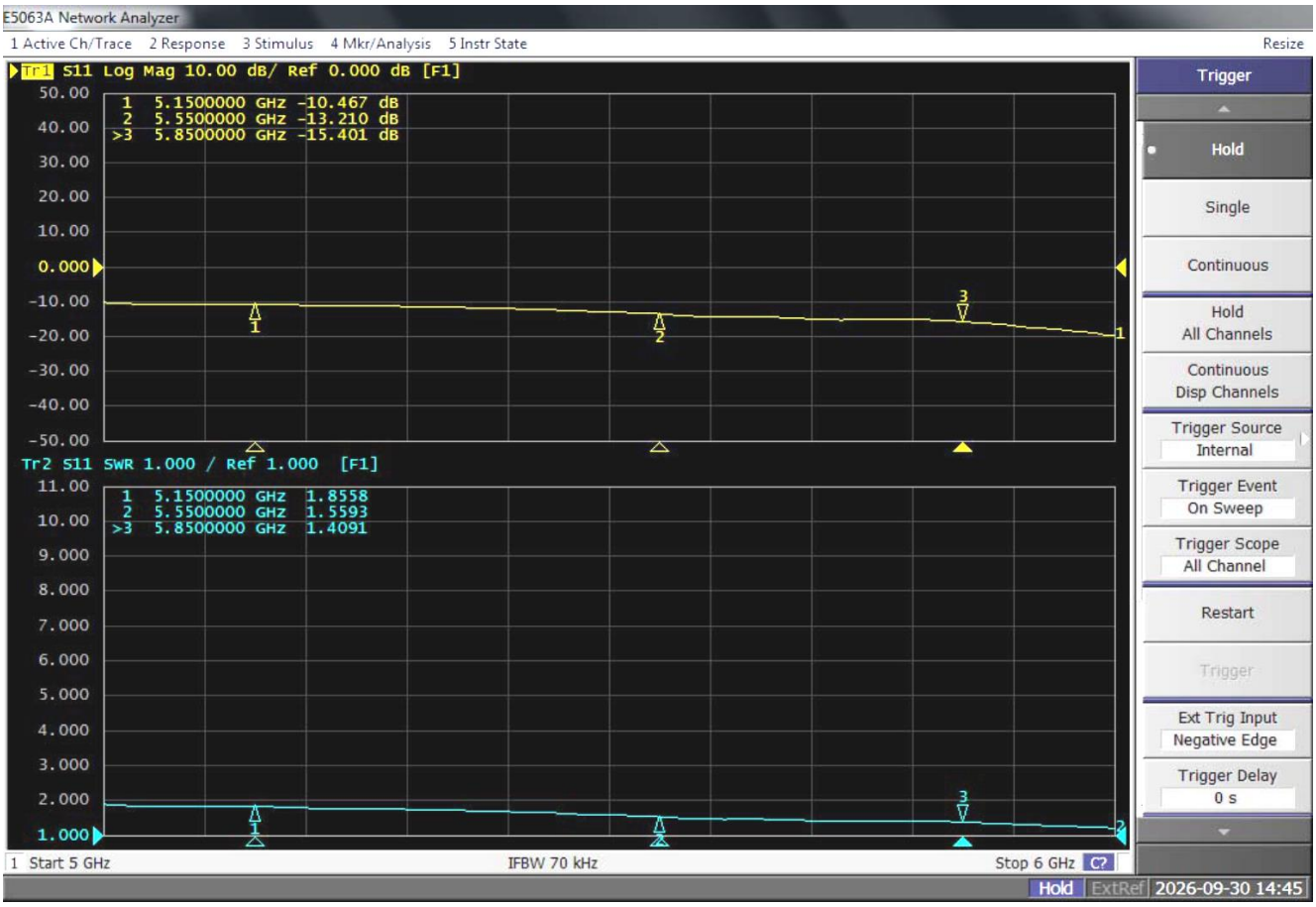


NO	PART NAME	DESCRIPTION	Q.TY
3	IPEX	CU	1
2	线材	1.13黑色线	1
1	天线外壳	ABS	1

TITLE: PART NO.: Antenna
PART NO.:
DWG NAME:

APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance
		TH 2026.10.08	UNITS: mm SCALE: 1/1 REVISION: A

X.X ±0.2
X.XX ±0.1
X° ±1°

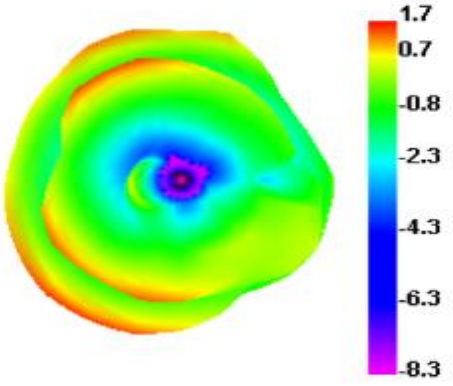




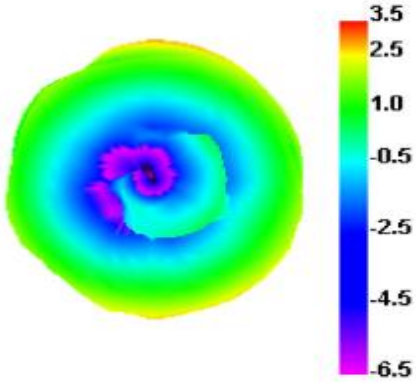
Antenna Gain Test

Antenna Radiation Pattern

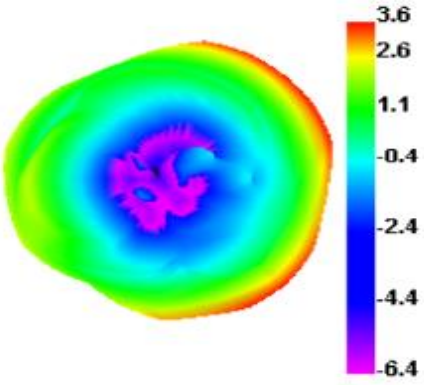
5150.000MHz



5500.000MHz

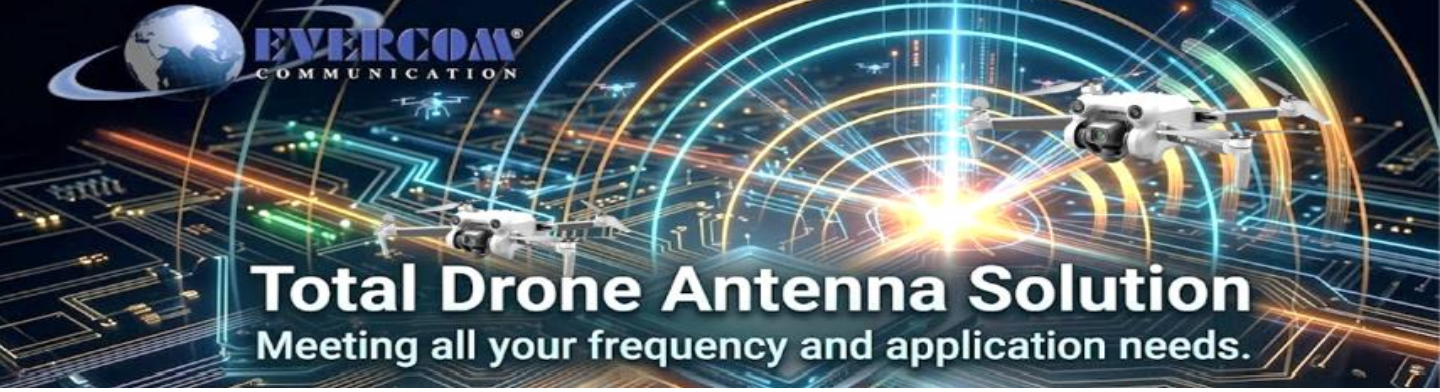


5850.000MHz



Gain and Efficiency Test Data

Freq	(MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Effi	(%)	54.49	51.04	47.82	50.74	66.55	74.63	75.43	63.08
Effi	(dB)	-2.64	-2.92	-3.2	-2.95	-1.77	-1.27	-1.22	-2
Gain	(dBi)	1.69	1.56	1.47	2.99	4.06	4.09	4.63	3.65



Packaging

Sealing

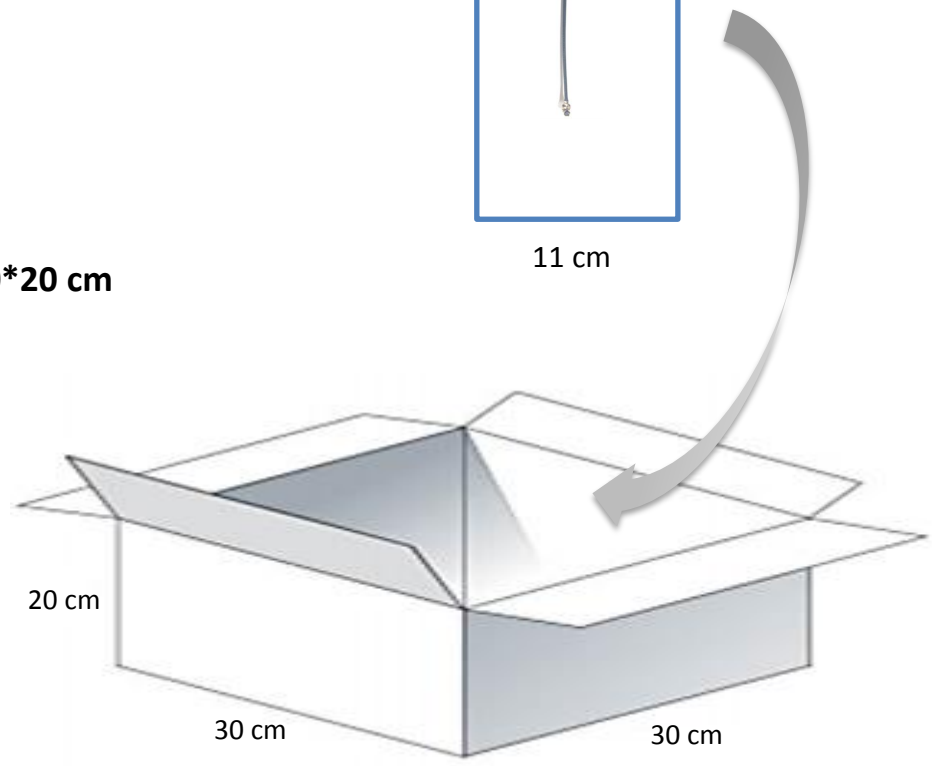


18 cm

11 cm

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

250 pcs per carton
Carton Dimensions: 30*30*20 cm



CE FC RoHS COMPLIANT DNV **ISO 9001**