

Product:0.0 2GHz ~ 6G Ultra-Wideband Airborne Omnidirectional Antenna

Part Number: ANT0105-UAV



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	0.02	-	6	GHz
2	Gain, Typ (dBi)		-5		dB
3	Polarization	vertical polarization			
4	Max. deviation from circularity :		±3.0		dB
5	VSWR	-	-	2.5	-
6	weight	0.2KG			
7	Outline:	156 × 74 × 42			
8	Impedance	50			
9	Connecter	SMA-50K			
10	surface	Green			
11	applicable scene	Airborne and portable			

Remarks:

Power rating is for load vswr better than 1.20:1

Environmental Specifications		
Operational Temperature	-40°C~+85°C	
Storage Temperature	-50°C~+105°C	
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis	
Humidity	100% RH at 35°c, 95%RH at 40°c	
Shock	20G for 11msec half sine wave,3 axis both directions	
Mechanical Specifications		
Item	materials	surface
Vertebral body cover 1	5A06 rust-proof aluminum	Color conductive oxidation
Vertebral body cover 2	5A06 rust-proof aluminum	Color conductive oxidation
antenna vertebral body 1	5A06 rust-proof aluminum	Color conductive oxidation
antenna vertebral body 2	5A06 rust-proof aluminum	Color conductive oxidation
chain connected	epoxy glass laminated sheet	

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No.89,Huahan Road, chenghua Zone Chengdu, Sichuan China Zip Code:610000

Antenna core	Red cooper	passivation
Mounting kit 1	Nylon	
Mounting kit 2	Nylon	
outer cover	Honeycomb laminated fiberglass	
Rohs	compliant	
Weight	0.3kg	
Packing	Aluminum alloy packing case (customizable)	

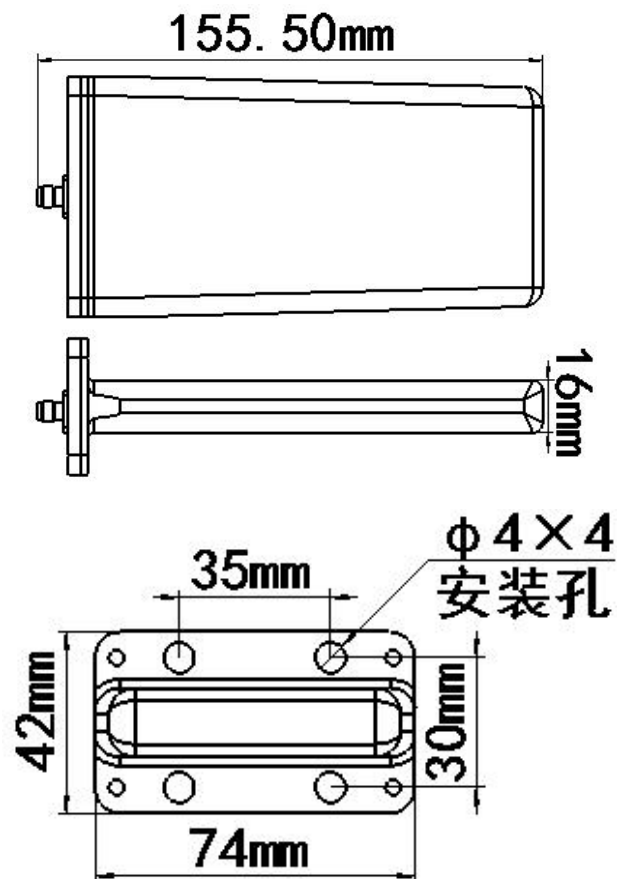
Outline Drawing:

All Dimensions in mm

Outline Tolerances $\pm 0.5(0.02)$

Mounting Holes Tolerances $\pm 0.2(0.008)$

All Connectors: SMA-50K



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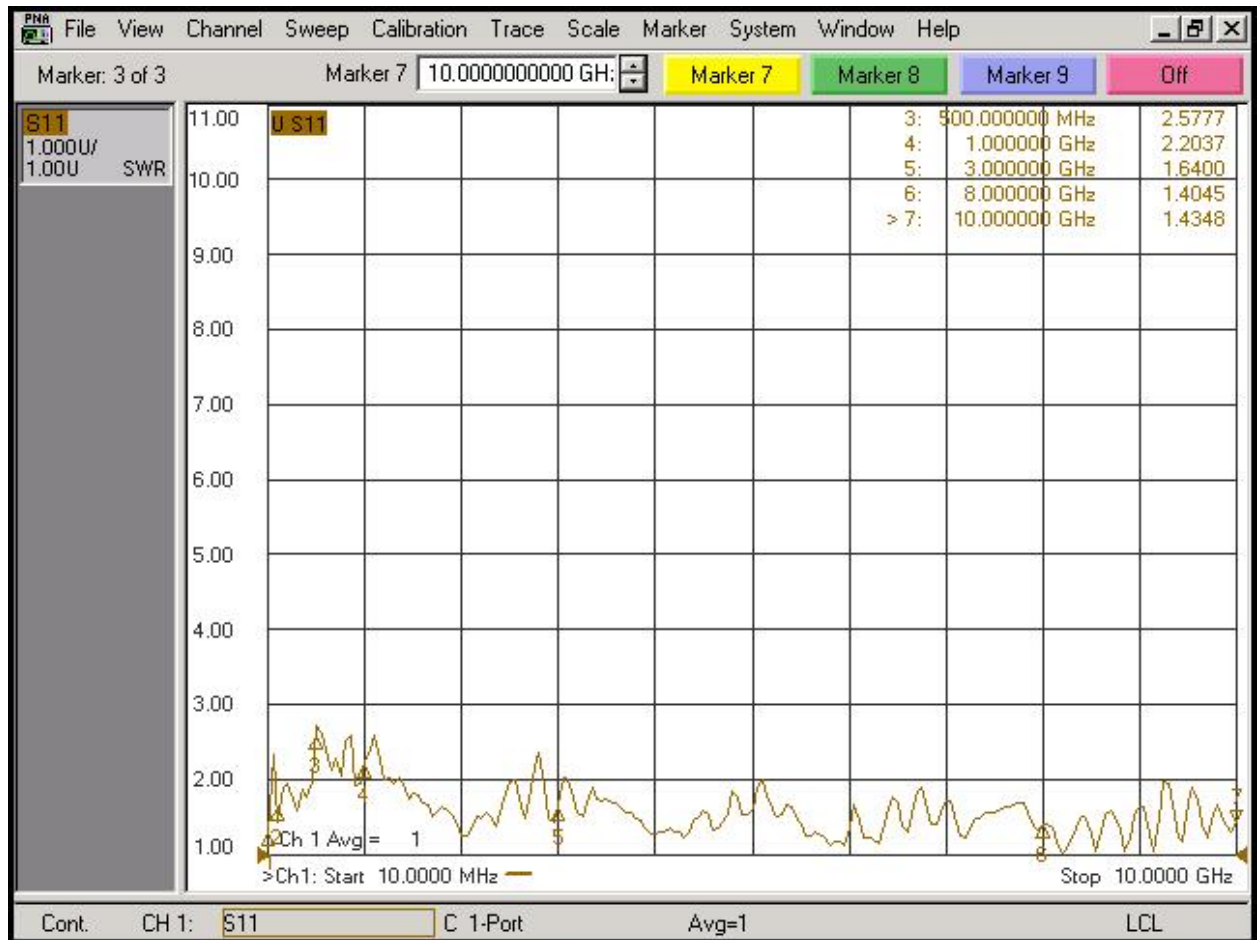
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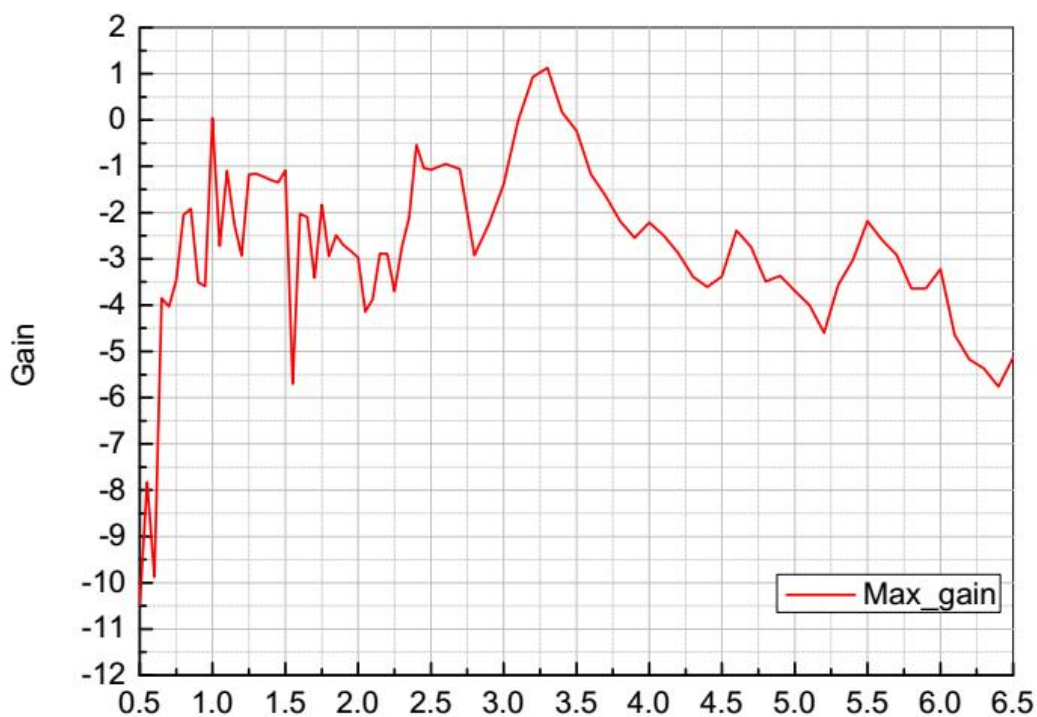
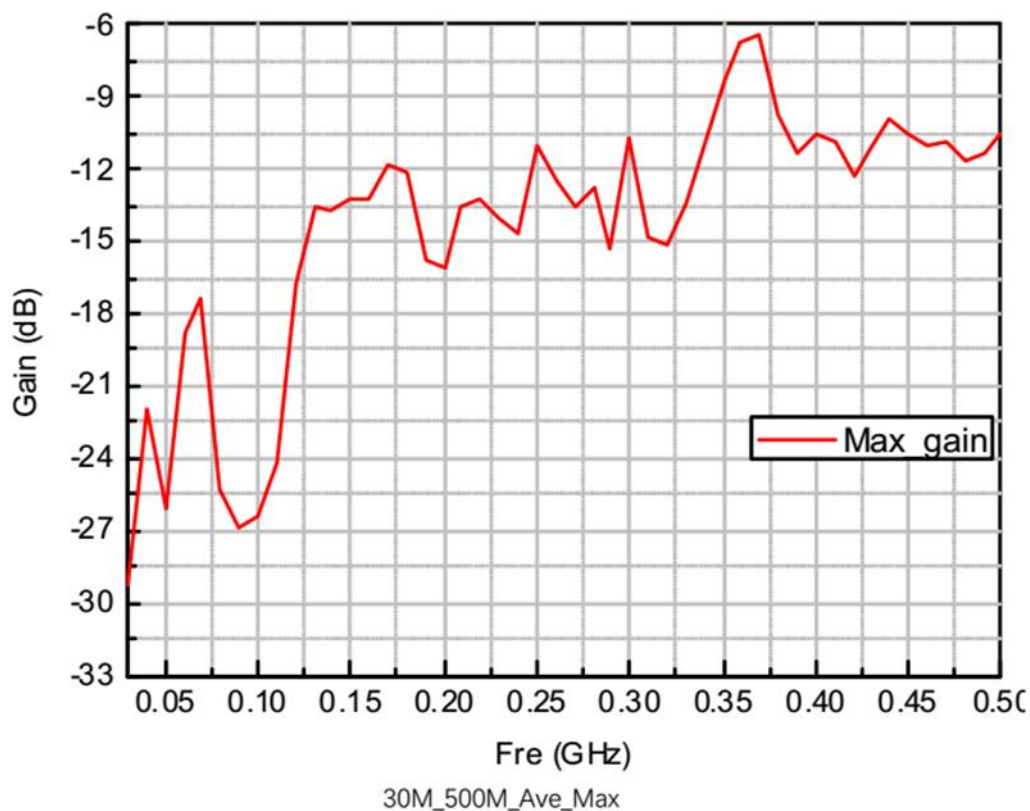
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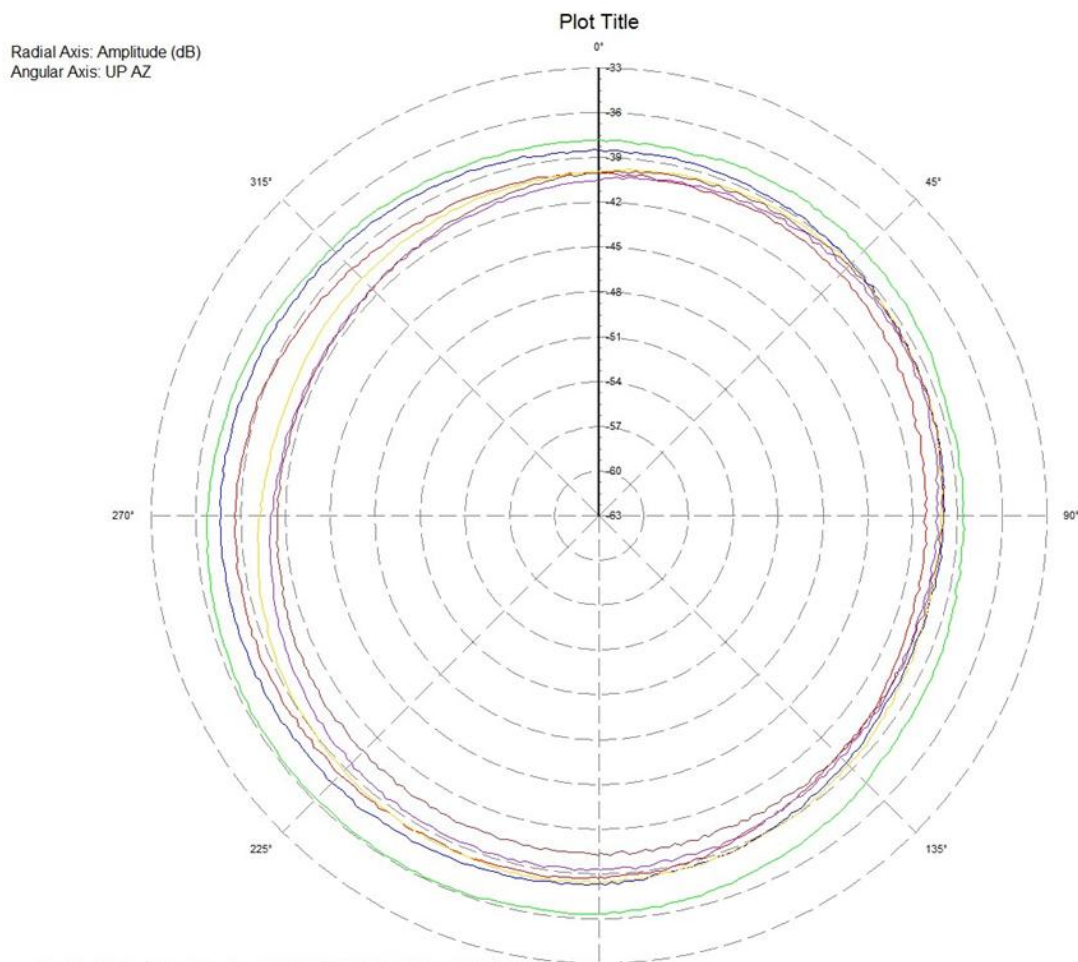
VSWR



Gain



Directional



(30MHz ~ 500MHz)

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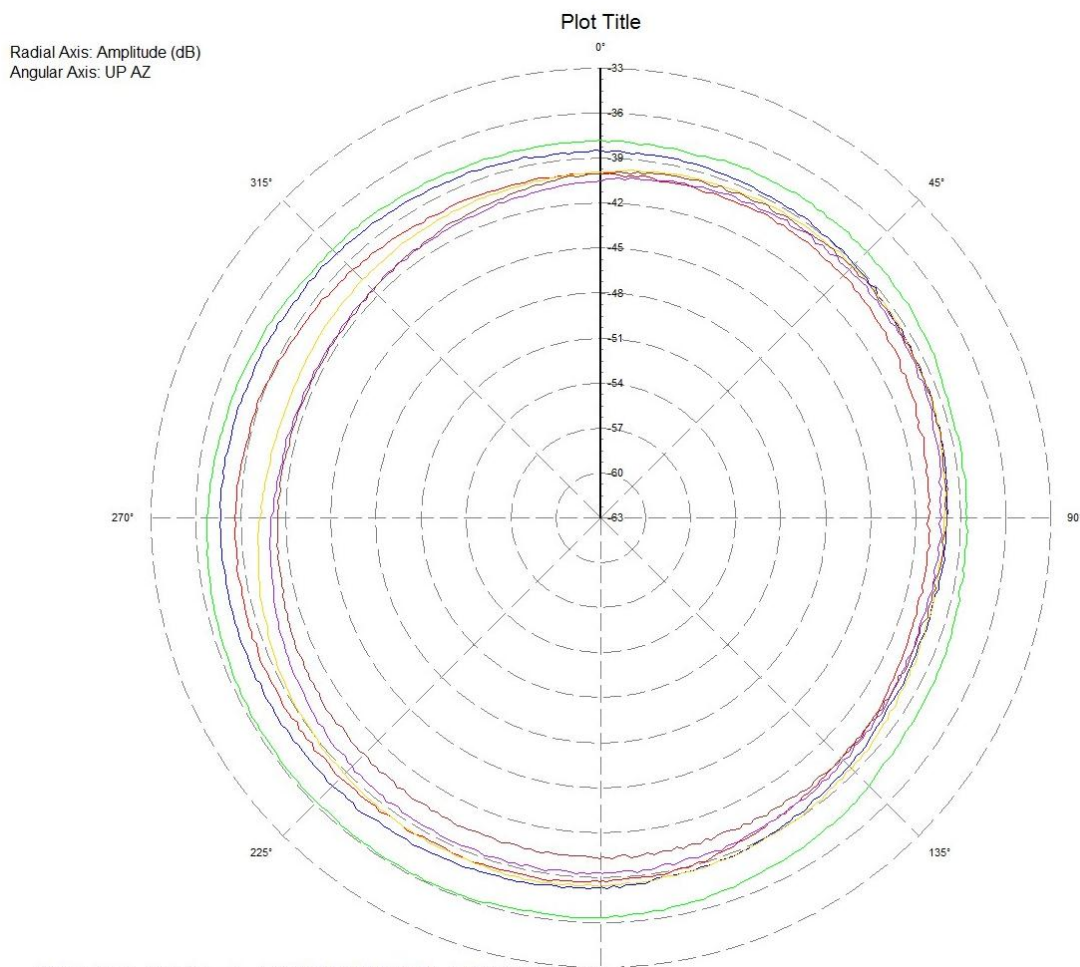
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(0.8GHz ~ 3GHz)

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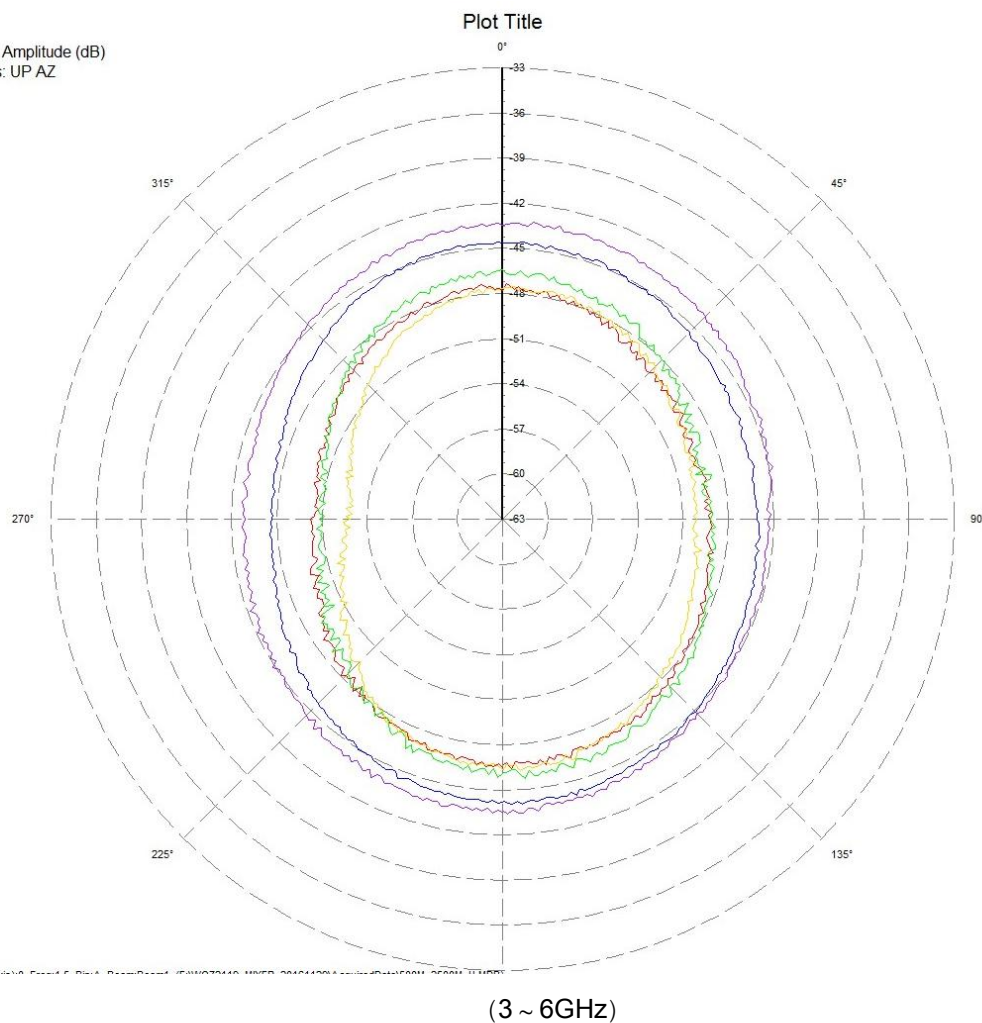
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Radial Axis: Amplitude (dB)
Angular Axis: UP AZ



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