

915 MHz External Whip Antenna



AEACAQ190012-S915



190.0 x Ø12.9 mm
RoHS/RoHS II Compliant

MSL = N/A: NOT APPLICABLE

FEATURES

- Gain of 3.5dBi
- 10W input power
- VSWR ≤ 2.5
- 915 MHz bandwidth
- 190 x 12.9 mm form factor

APPLICATIONS

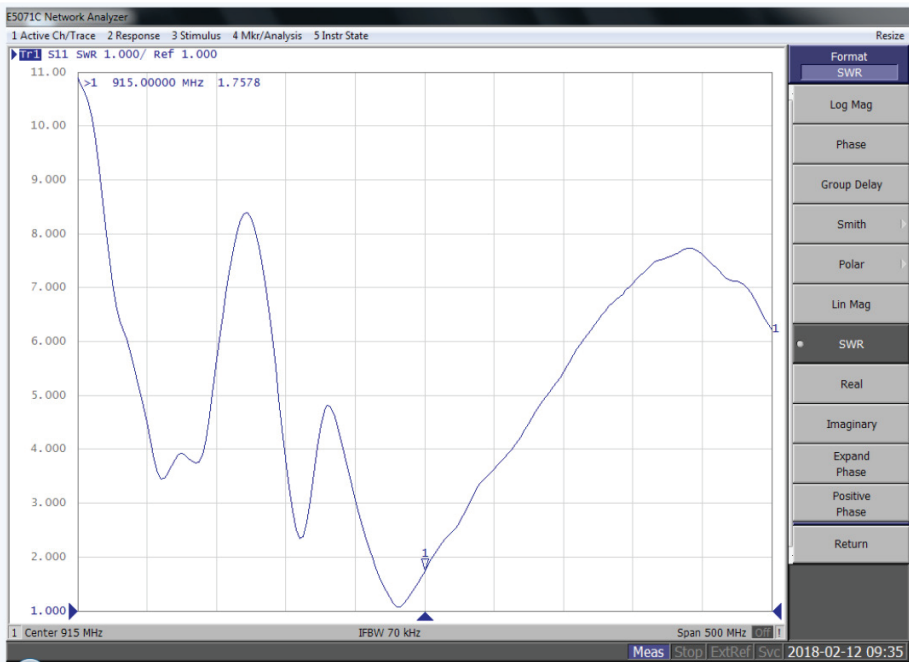
- LPWA
- LoRA
- Sigfox
- ISM Applications
- Remote monitoring
- Network devices
- Smart buildings
- Smart cities
- M2M
- Agriculture / Environment
- Consumer tracking

ELECTRICAL SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		915		MHz	
Bandwidth		CF ± 8MHz			
VSWR			2.5		
Polarization Model	Linear				
Impedance		50		Ω	
Gain		3.5		dBi	
Operating Temperature	-40		+85	°C	
Input Power			10	W	

RETURN - LOSS CHARACTERSTICS

S11 Return-Loss

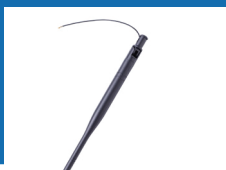


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ABRACON IS
ISO9001-2015
CERTIFIED

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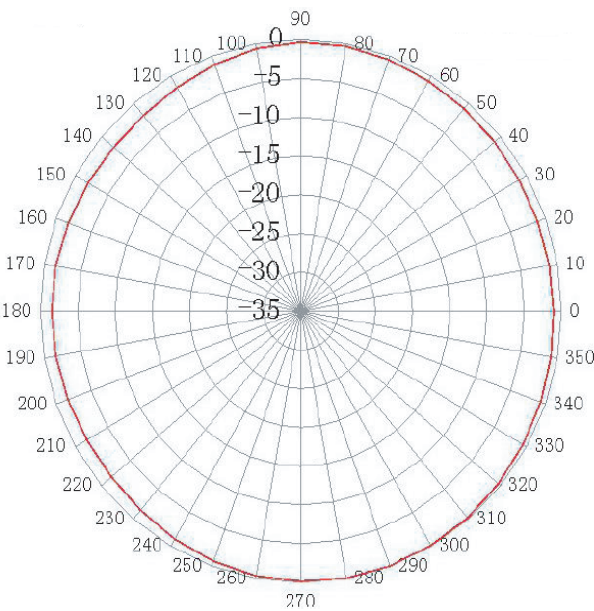
190.0 x Ø12.9 mm
RoHS/RoHS II Compliant

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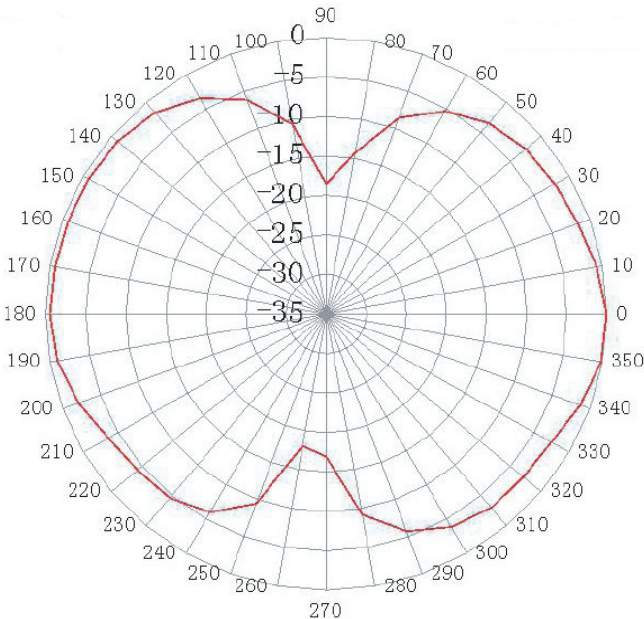
RADIATION PATTERNS

Antenna 2D Patterns

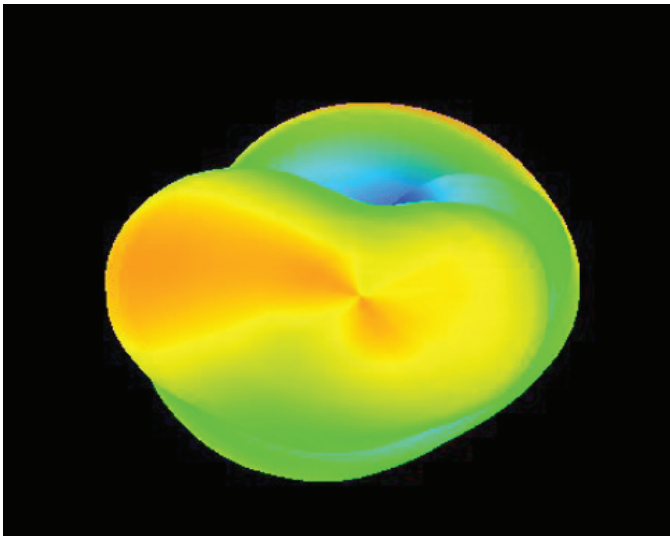
Horizontal Plane



Vertical Plane



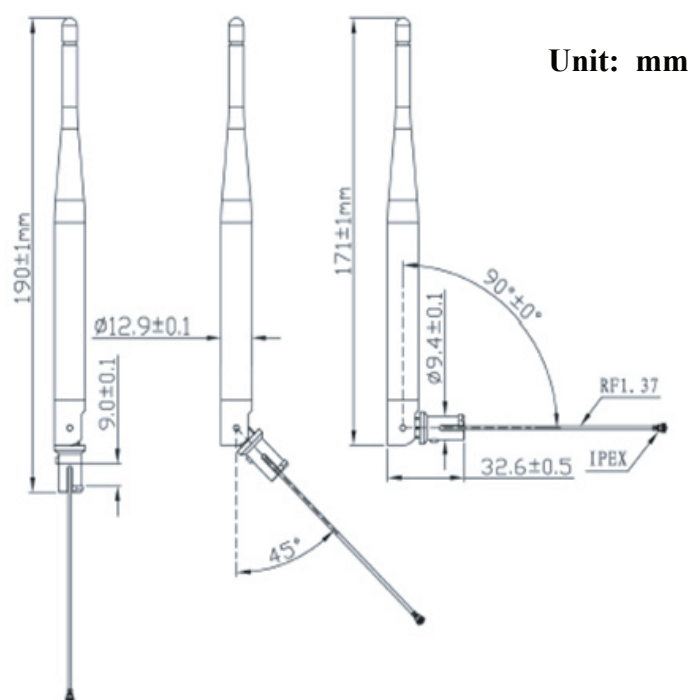
Antenna 3D Pattern
915 MHz



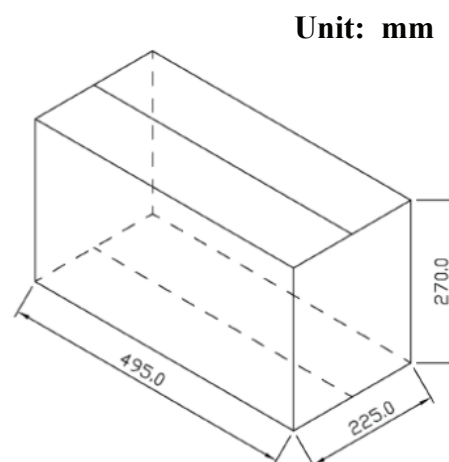
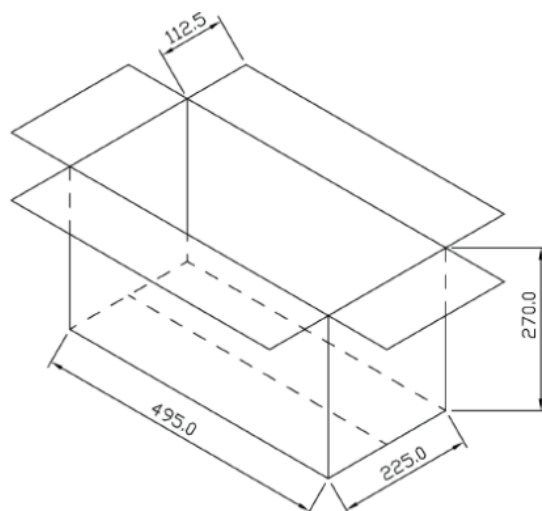
Frequency (MHz)	915
Peak Gain (dBi)	3.50
Efficiency (%)	66

Pb

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Parameters	Description
Cable Length	10.0 cm
RF Cable	RG178/RF1.37 or others
RF Connector	IPEX or others
Mounting Type	Knuckle



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