

2.4 GHz External Whip Antenna



AEACAQ190012-S2400



190.0 x Ø12.9 mm
RoHS/RoHS II Compliant

MSL = N/A: NOT APPLICABLE

FEATURES

- MAX Gain of 5.0 dBi
- Operates in 2.4 GHz
- 10W input power
- VSWR ≤ 2.0
- 2400MHz

APPLICATIONS

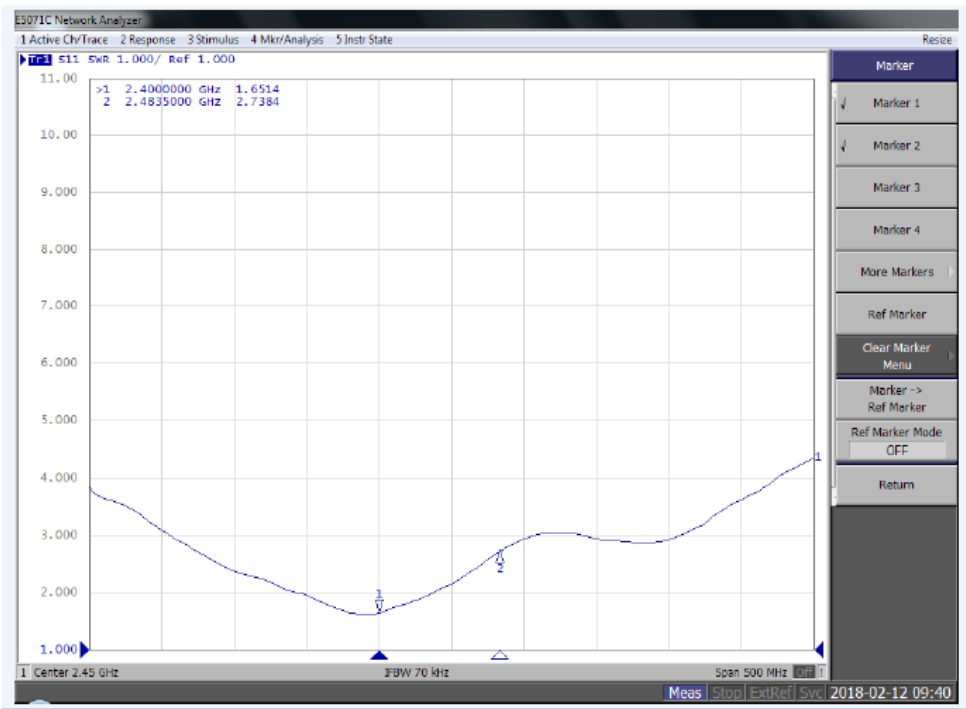
- WiFi
- ISM Applications
- Wireless Communication System
- Router

ELECTRICAL SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		2400~2483.5		MHz	
VSWR			2.0		@ 2400 MHz
Polarization Model	Linear				
Impedance		50		Ω	
Gain			5.0	dBi	
Operating Temperature	-40		+85	°C	
Input Power			10	W	

RETURN - LOSS CHARACTERSTICS

S11 Return-Loss



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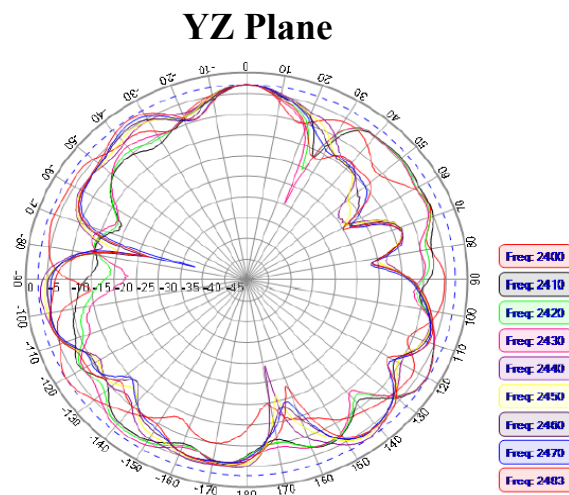
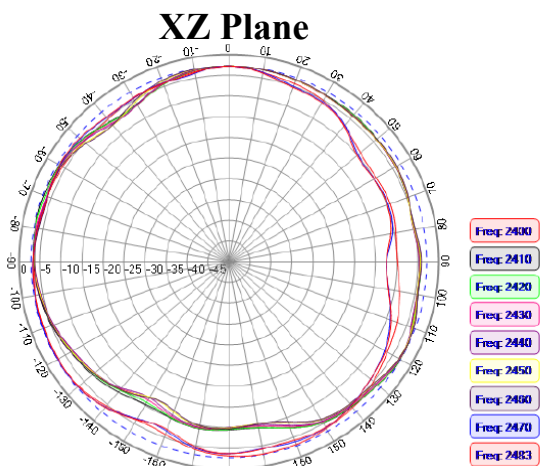
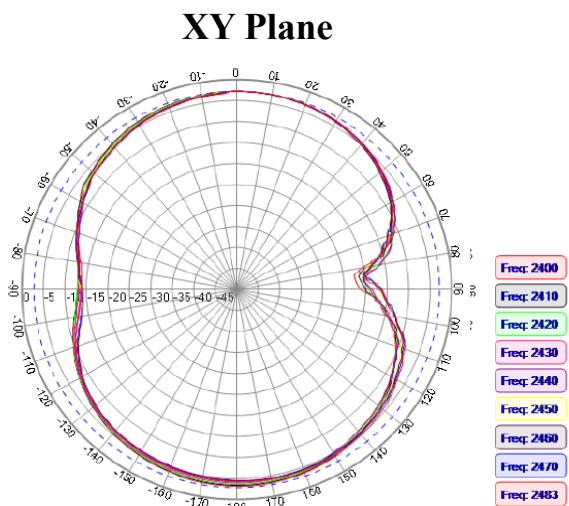


190.0 x Ø12.9 mm
RoHS/RoHS II Compliant

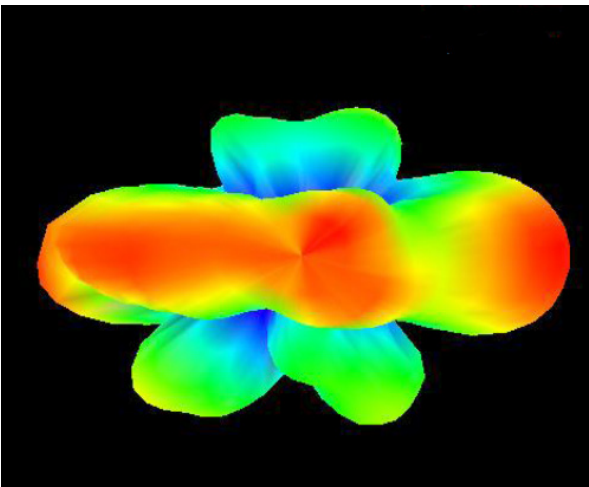
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RADIATION PATTERNS

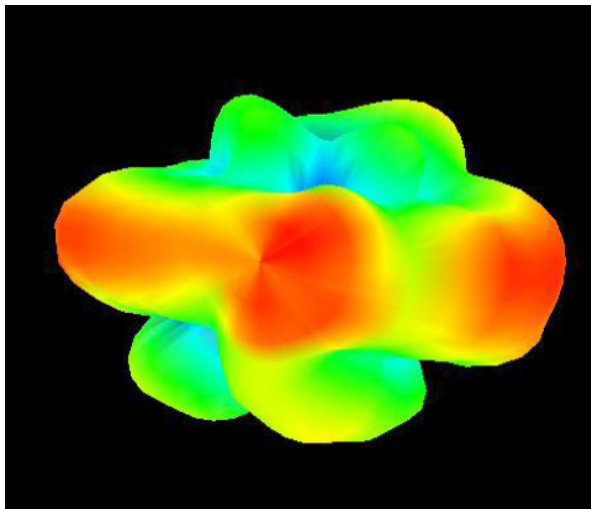
Antenna 2D Patterns



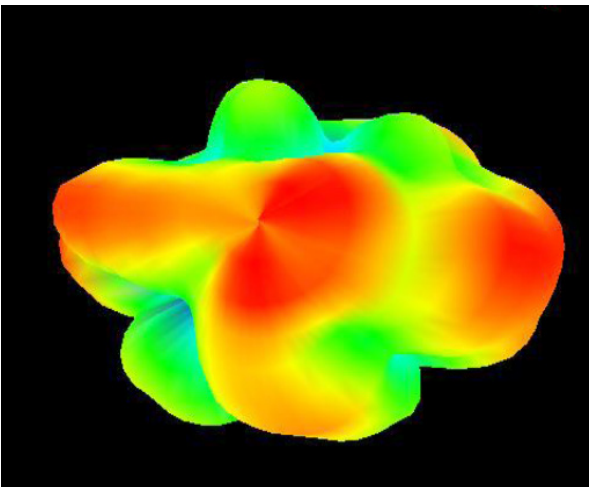
Antenna 3D Pattern 2400 MHz



2450 MHz



2483 MHz



Frequency (MHz)	2400	2450	2483
Peak Gain (dBi)	3.84	3.53	2.89
Efficiency (%)	57	58	56

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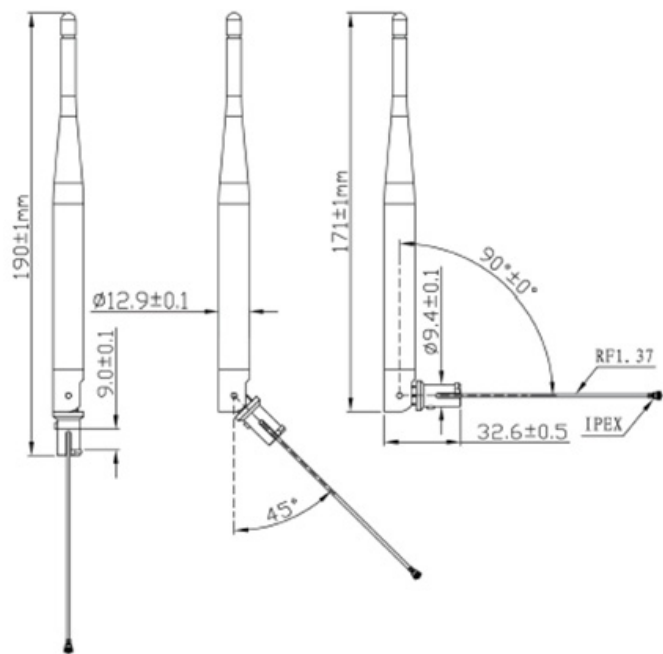


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DIMENSIONS

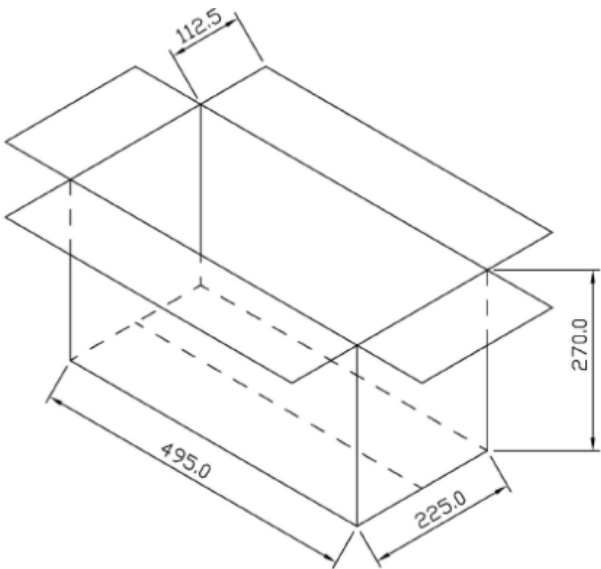
Unit: mm



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

PACKAGING

Each 495 x 225 x 270 mm size carton includes 500 pcs antenna, 13kgs/carton.



Unit: mm

