

2 x Dualband WiFi External MIMO Antenna



AEACBK050048-MW2



Ø50.0 x 48.0 mm
RoHS/RoHS II Compliant
MSL = 1

Features

- 2 x Dualband 2.4/5GHz WiFi MIMO antenna
- IP67 Rated
- Linear polarization
- VSWR < 2.0
- Gain of 2.0 dBi
- Screw mounting

Applications

- WiFi/ISM applications
- IoT
- M2M
- Remote monitoring
- Smart meters
- Gateways and routers
- Public safety

Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		2400 ~ 2483.5		MHz	
		4900 ~ 5825			
VSWR			2.5		
Polarization	Linear				
Impedance		50		Ω	
Gain		2		dBi	

Mechanical Characteristics

Parameters	Description
Connector	2 x SMA Male
Cable Type	2 x LMR100/3M
Mounting	Screw
Radom Material	ABS

Environmental Characteristics

Parameters	Description
Operating temperature	-40°C to +85°C
Relative Humidity	Up to 95 %
Vibration	10 to 55 Hz with 1.5 mm amplitude 2 hours
Ingress Protection	IP67 (excluding cable outlet)

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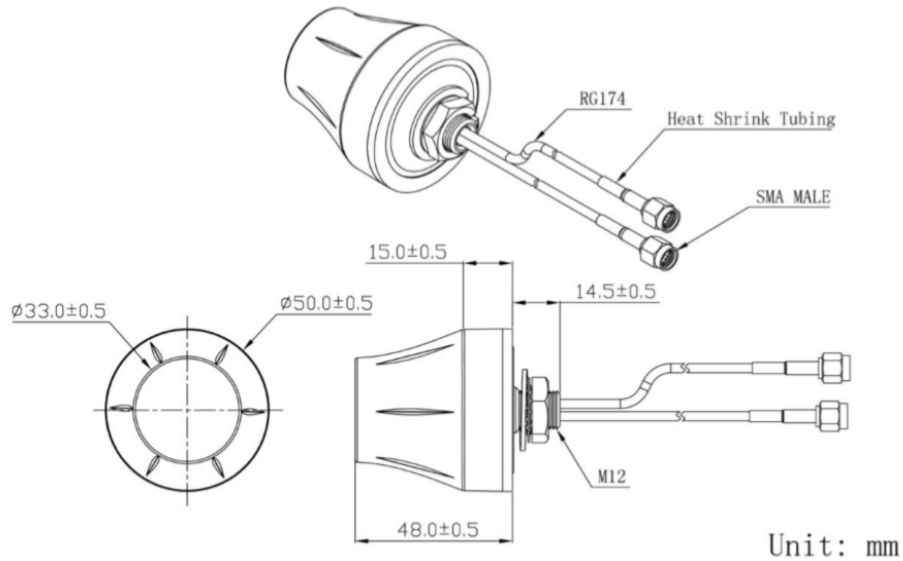


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Dimensions



Product Image



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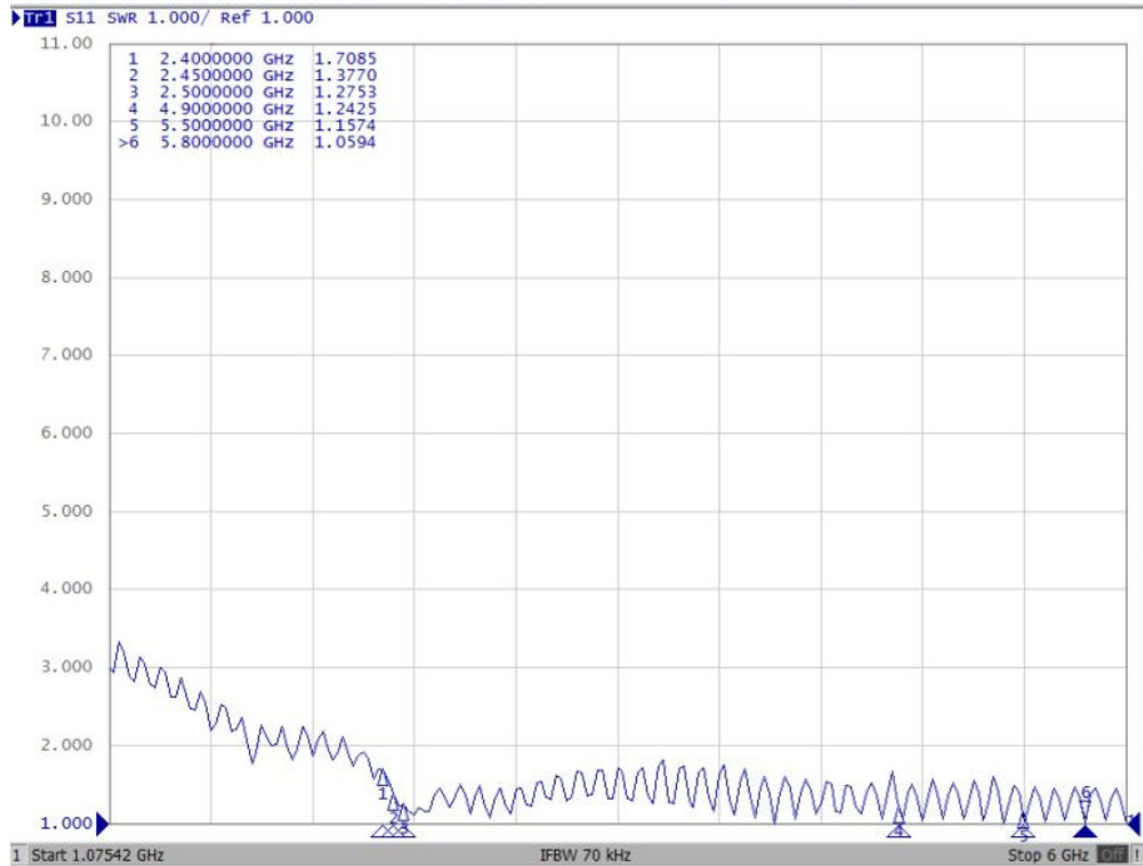


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VSWR



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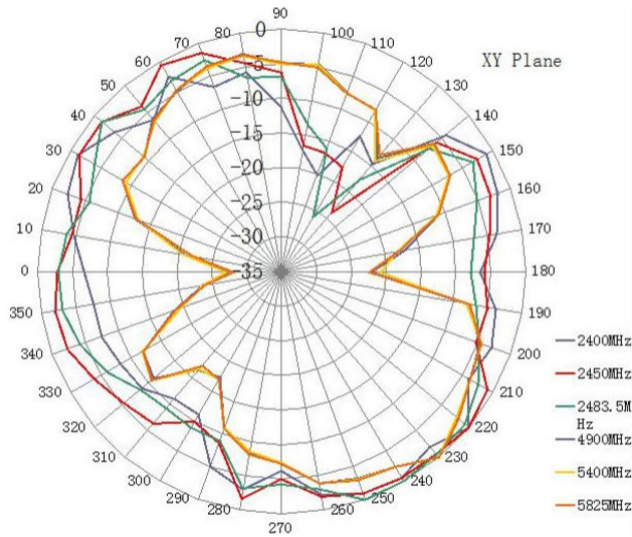


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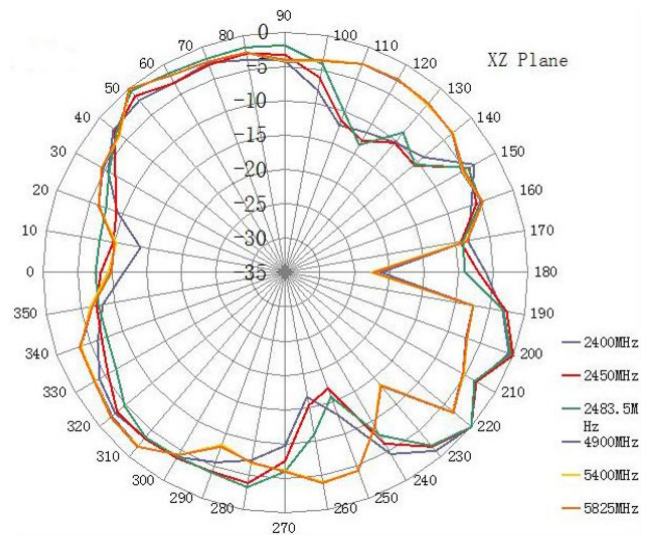
Radiation Pattern:

2D - Pattern

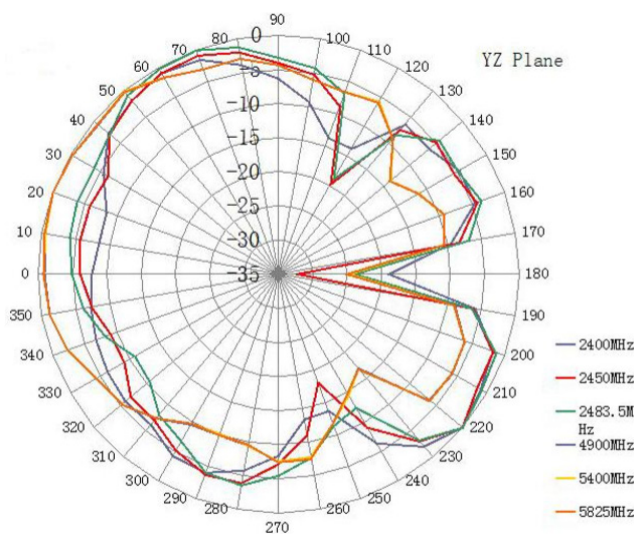
XY - Plane



XZ - Plane



YZ - Plane



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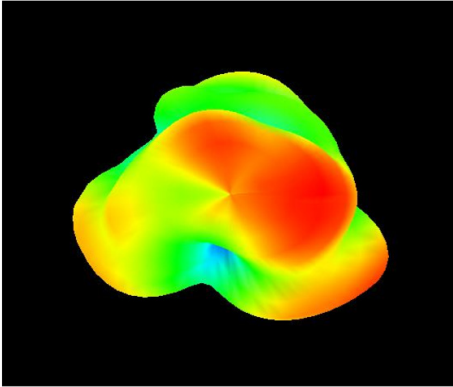
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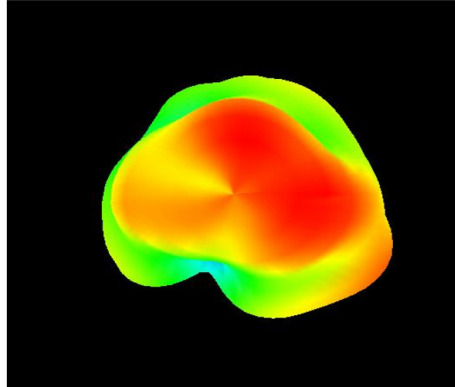
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3D – Pattern

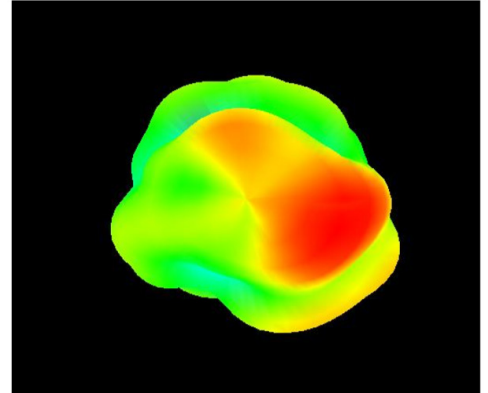
Frequency: 2400 MHz



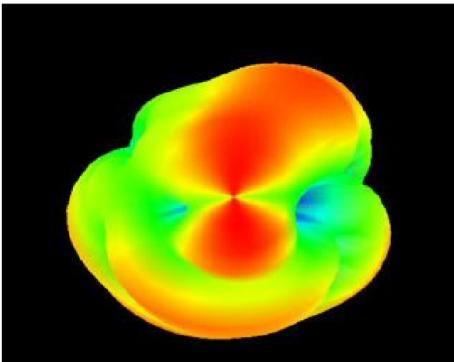
Frequency: 2450 MHz



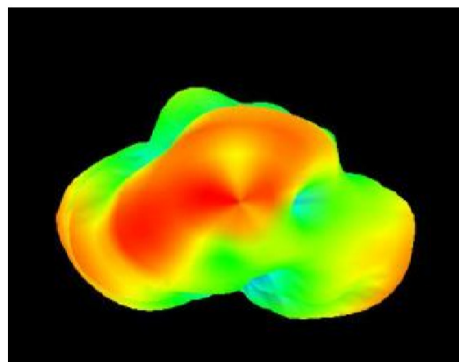
Frequency: 2500 MHz



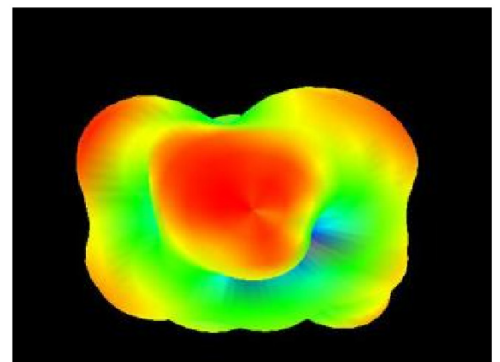
Frequency: 4900 MHz



Frequency: 5500 MHz



Frequency: 5800 MHz



Frequency (MHz)	Efficiency	Gain (dBi)
2400	0.58	2.15
2450	0.56	1.95
2500	0.55	1.03
4900	0.51	0.56
5500	0.53	0.58
5800	0.52	0.67

Packaging

The package consists of 100 pcs of antennas and is of dimension 70.0 x 32.0 x 15.0 cm.



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