

## MA-WA2455-QPMIMO

### 4.9 –6.0 GHz & 2.3 - 2.7 GHz Quad Polarizations MIMO

MARS Quad Polarization antenna provides coverage of 2.3-2.7 GHz frequency

Band and 4.9-6.0 GHz frequency band in a single antenna radome.

Additional Features:

- Specially designed for MIMO applications
- Light weight and durable construction.
- UV Protected radome made of Polycarbonate.



Can be customized per customer requirements

### 802.11 ac standard applications approved

## Specifications

### Electrical

Frequency range	2.3 - 2.7 GHz & 4.9 - 6.0 GHz	
GAIN, typ.	Vertical & Horizontal Pol	15.5 ± 1 dBi @ 4.9 – 6.0 GHz
	Dual Slant Pol. ± 45°	12 dBi @ 2.3 - 2.7 GHz
VSWR, max.	1.7 : 1	
Polarization	Quad Pole	Vertical, Horizontal@4.9-6.0 GHz & Dual Slant@ 2.3 - 2.7 GHz
3 dB Beam-Width, Azimuth, typ.		Dual Slant: 38° ; V & H Pol @ 20°
3 dB Beam-Width, Elevation, typ.		Dual Slant: 38° ; V & H Pol @ 20°
Side Lobes, min.		-12 dB
Front to Back Ratio, min.		-30 dB
Isolation Between Bands		-30 dB
Input power, max		10 Watt
Input Impedance		50 Ohm
Lightning Protection		DC Grounded

### Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm.
Connector	4 x N-Type
Weight	1.5 Kg.
Mounting	See Ordering Options
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation.

### Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

## Ordering Options

MA- WA2455-QPMIMO	Antenna 4 x N-Type connectors Suited for MNT-22 mount
MA- WA2455-QPMIMOB	Antenna 4 x N-Type connectors with MNT-22 mount

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