

## MA-WA24-TPMIMO

### 2.3-2.7 GHz Triple Polarization MIMO Subscriber Antenna

MARS Triple Polarization antenna provides coverage of 2.3-2.7 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 with customer defined back plane and different connector configurations.



## Specifications

### Electrical

Frequency range	2.3-2.7 GHz
GAIN	Vertical Pol. 15 ± 1 dBi
	Dual Slant Pol. 12 ± 1dBi
VSWR, max.	1.7 : 1
Polarization	Dual Slant ±45° and Vertical
3 dB Beam-Width-Azimuth, typ.	Dual Slant: 38°; V- Pol 37°
3 dB Beam-Width-Elevation, typ.	Dual Slant: 38°; V- Pol 21°
Side Lobes, min.	-12 dB
Front to Back Ratio, min.	-30 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

### Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm (12" x 12" x 0.6")
Connector	3 x N-Type Female
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-WA24-TPMIMO	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA24-TPMIMOB	Antenna with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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