

## MA-WD47-DP15

### 4.4-5.1 GHz Dual Polarized Base Station Sector Antenna, 90°

MARS 90° Broadband Dual Polarized Base Station Sector Antenna provides a cost effective solution for large scale of applications.

#### Additional Features:

- Stable performance with 15 dBi of gain.
- Tilt mount allowing quick and easy installation.
- UV protected radome suitable for harsh environment installations.



### Specifications

#### Electrical

Frequency range	4.4-5.1 GHz
GAIN, typ.	15 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Vertical & Horizontal
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	9°
Side Lobes, typ.	-12 dB
Cross Polarization, typ.	-20 dB
Front to Back Ratio, min.	-30 dB
Port to Port Isolation, min.	-35 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

#### Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Weight	2 kg.
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	See ordering options

#### 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
Ice and Snow	25mm radial (survival)

### Ordering Options

MA-WD47-DP15	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD47-DP15B	Antenna with MNT-22 mount

MARS Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com