

## MA-WE24-14

### 2.3-2.7 GHz Base Station Antenna, 120°

MARS 120° Base Station Antenna with 14.5 dBi of gain is light-weight yet has a robust and durable construction. Available also for heavy duty.

Antenna Features:

- Quick and easy installation.
- Small, aesthetic and unobtrusive radome.
- Easily adapted to any RF connector.
- Easy mounting allowing obtaining required down tilt degree.

Applicable Applications:

- Point-to-Multi-Point Systems
- For WLL applications
- MMDS
- ISM applications



### Specifications

#### Electrical

Frequency range	2.3-2.7 GHz
GAIN, typ.	14.5 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	120°
3 dB Beam-Width, E-Plane, typ.	8°
Side Lobes, min.	-13 dB
Cross Polarization, min.	-20 dB
Front to Back Ratio, min.	-24 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

#### Mechanical

Dimensions (HxWxD)	800 x 120 x 65 mm (31.5" x 4.7" x 2.6")
Weight	1.2 kg.
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
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-65
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)

#### Standard Compliance

ETSI EN 301 525 v1.1.1

### Ordering Options

MA-WE24-14	Antenna suited for MNT-5A (optional mount)
MA-WE24-14B	Antenna with MNT-5A mount
MA-WE24-14SB	Antenna heavy duty with MNT-5A mount

Patterns are available on our website

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