

MA-WC24-14

2.3-2.7 GHz Base Station Antenna, 60°

MARS 60° Base Station Antenna with 14 dBi of gain is light-weight yet has a robust and durable construction.

Antenna Features:

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

Applications:

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



Specifications

Electrical

Frequency range	2.3-2.7 GHz
GAIN, min.	14 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	60°
3 dB Beam-Width, E-Plane, typ.	14°
Side Lobes, min.	-12 dB
Cross Polarization, min.	-22 dB
Front to Back Ratio, min.	-22 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	380 x 150 x 80 mm (15" x 5.9" x 3.1" - including side wings)
Weight	0.5 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)

Ordering Options

MA-WC24-14	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WC24-14B	Antenna with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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