

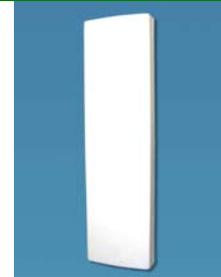
MA-WC90-5X

915 MHz Base Station Antenna, 60°

MARS 915 MHz Base Station Antenna provides a robust and efficient solution for the Point-to-Multipoint systems based on the ISM 915 MHz band.

Additional Features:

- 60° azimuthally coverage.
- Suitable for harsh environment installations.
- DC grounded.
- Easy mounting allowing obtaining required down tilt degree with the optional MNT-25 mount.



Specifications

Electrical

Frequency range	902-928 MHz
GAIN, min.	14.5 dBi
VSWR, max.	1.7 : 1
Polarization	Vertical
3 dB Beam-Width, Horizontal Plane, typ.	60°
3 dB Beam-Width, Elevation Plane, typ.	15°
Side Lobes, min.	-14 dB
Cross Polarization, min.	-23 dB
Front to Back Ratio, min.	-23 dB
Input power, max	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	1200 x 330 x 105 mm (47.2" x 13" x 4.1")
Weight	4.5 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-WC90-5X	Antenna Suited for MNT-25 (optional tilt mount)
MA-WC90-5XB	Antenna with MNT-25 mount

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

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