

MA-WA19-4X

1.9 GHz Subscriber Antenna

MARS 1.9 GHz Antenna is designed for coverage of the 1.9 PCS band.

Additional Features:

- Effective co-siting performance.
- Excellent size/gain ratio.
- Weatherized and robust.
- Suitable for heavy duty outdoor applications.
- Optionally available with Pole Mount or MNT-2 (pole/wall, azimuth and elevation adjustable mount)



Specifications

Electrical

Frequency range	1.85-1.99 GHz
GAIN, min.	15 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	24°
3 dB Beam-Width, E-Plane, typ.	24°
Side Lobes, min.	-9 dB
Cross Polarization, min.	-18 dB
Front to Back Ratio, min.	-18 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 25 mm (12" x 12" x 1")
Weight	1.3 kg.
Connector	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-WA19-4X PM	Antenna with integral Pole Mount includes stainless steel brackets
MA-WA19-4X MNT	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA19-4X MNTB	Antenna with MNT-22 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.

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