

## MA-WA25-20

### 2.3-2.7 GHz High Gain Subscriber Antenna

MARS 2.4 GHz Antenna is a wide band antenna designed for LTE, Wi-Fi, LAN, MMDS, WLL and WiMAX applications.

Additional Features:

- Exceptionally efficient performance.
- High gain/size ratio.
- Aesthetic design.
- Weatherized and durable.



### Specifications

#### *Electrical*

Frequency range	2.3-2.7 GHz
GAIN, typ.	2.3-2.5 @ 19 dBi 2.5-2.7 @ 20 dBi
VSWR, max.	1.8 : 1
Polarization	Linear, Vertical or Horizontal
3 dB Beam-Width, H-Plane, typ.	17°
3 dB Beam-Width, E-Plane, typ.	17°
Side Lobes, min.	-13 dB
Cross Polarization, min.	-20 dB
Front to Back Ratio, min.	-35 dB
Input power, max.	50 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	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-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-WA25-20	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA- WA25-20B	Antenna with MNT-22 mount

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

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