

## MA-WA28-30

Preliminary

## 26-31 GHz Subscriber Antenna

MARS 26-31 GHz subscriber Antenna provides full coverage from 26 GHz and up to 31 GHz frequency band.

Additional Features:

- Efficient and stable performance.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.



## Specifications

### Electrical

Frequency range	26-31 GHz
GAIN, typ.	30 dBi
VSWR, max.	2 : 1
Polarization	Linear ,Vertical
3 dB Beam-Width, H-Plane, typ.	3.8°
3 dB Beam-Width, E-Plane, typ.	3.8°
Side Lobes, typ.	-12 dB
Cross Polarization, min.	-23 dB
Front to Back Ratio, min.	-35 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

### Mechanical

Dimensions (HxWxD)	175 x 175 x 10 mm (6.8" x 6.8" x 0.4")
Weight	380 gr.
Connector	2.92mm K-Connector Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	MNT-23

### 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

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