

## MA-WA46-1X

### 450-470 MHz In Building Panel Antenna

MARS 450 - 470 MHz Panel Antenna provides a cost effective solution for In Building PMR applications.

Additional Features:

- Excellent and stable performance
- Small and aesthetic profile
- UV protected antenna radome
- Suitable for both indoor and outdoor installations
- DC grounded
- Wall mount



### Specifications

#### Electrical

Frequency range	450-470 MHz
GAIN, typ.	4 dBi
VSWR,	typ 1.5:1, max 1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	100°
3 dB Beam-Width, E-Plane, typ.	110°
Input power, max	20 Watt
Input Impedance	50 Ohm

#### Mechanical

Dimensions (HxWxD)	231 x 215 x 31 mm (8.9" x 8.5" x 1.1")
Weight	840 gr.
Connector	See Ordering Options
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Plastic
Mount	Wall mount

#### Environmental

Operating Temperature Range	-40°C to +75°C
Vibration	According to IEC 60721-3-4
Wind Load	N/A
Flammability	UL94
Water Proofing	IP-65, (IP67 for Outdoor version)
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-WA46-1X	Antenna with N-Type Female Connector
MA-WA46-1XC	Antenna with N-Type Female + Cable RG58, ~25cm
MA-WA46-1XS	Antenna Outdoor with SMA Female Connector

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