

## 5.5 GHz Horizontal Polarization Base Station Antenna, 90°

### MA-WD55-17H

MARS 90° Broadband Sector Antenna provides a cost effective solution for large scale WLL, WLAN, H-LAN, ISM, UNII, Public Safety, Municipal MESH Networks and Point-to-Multi-Point applications.

Additional Features:

- stable performance with 17 dBi of gain
- small size allowing for easy blending with any environment
- tilt mount allowing for quick and easy installation
- UV protected radome suitable for harsh environment installations



#### Specifications:

#### Electrical

Frequency range	4.9 - 6.1 GHz
Gain, typ.	17 dBi
VSWR, max.	1.7:1
3 dB Beam-Width, H-Plane, typ.	90 °
3 dB Beam-Width, E-Plane, typ.	5 °
Side Lobes, min.	ETSI EN 302 085 V1.2.3 â€“ CS2
Polarization	Linear Horizontal
Cross Polarization, min.	ETSI EN 302 085 V1.2.3 â€“ CS2
Front to Back Ratio, min.	ETSI EN 302 085 V1.2.3 â€“ CS2
Input power, max	20 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

#### Mechanical

Dimensions (HxWxD)	573 x 95 x 53 mm (22.6"x3.7"x2.1")
Weight	600 gr.
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	<a href="#">MNT-22</a>

#### Environmental

Operating Temperature Range	- 40Â°C to + 65Â°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)
Ice and Snow	25mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	>10 years

#### Standard Compliance

ETSI EN 302 085 V1.2.3 â€“ CS1 / CS2

#### Ordering Options

Antenna with mount	MA-WD55-17H B
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