

## 5 GHz Broadband Subscriber Antenna

### MA-WA58-1X

MARS 5 GHz Broadband High Gain Antenna covers the full 5 GHz spectrum- from lower to higher UNII band-including its unlicensed part.

**Additional Features:**

- exceptionally high gain of 23 dBi over the entire frequency band
- diamond shape provides for highest range of ETSI standards, up to TS5
- light weight and durable construction
- DC grounded for lightning protection to meet local electrical building codes
- antenna has a customized version with an optional enclosure for the customer's OEM radio/CPE



### Specifications:

<b>Electrical</b>	
Frequency range	5.15-5.875 GHz
GAIN, min.	23 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	10.5°
3 dB Beam-Width, E-Plane, typ.	10.5°
Side Lobes, min.	-23 dB
Cross Polarization, min.	-24 dB
Front to Back Ratio, min.	-40 dB
Input power, max	30 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
<b>Mechanical</b>	
Dimensions (HxWxD)	305 x 305 x 15 mm (12"x 12"x 0.6")
Weight	840 gr.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	See Ordering Options
<b>Environmental</b>	
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)
Service Life	>10 years
<b>Standard Compliance</b>	
ETSI EN 302 085 V1.2.3 – TS1, TS2, TS3, TS4, TS5	

### Ordering Options:

MA-WA58-1X PM	Antenna with integral Pole Mount includes stainless steel brackets
MA-WA58-1X MNT	Antenna Suited for MNT-2 (optional wall/pole adjustable mount)
MA-WA58-1X BRF	Antenna Suited for Enclosure

Specifications subject to change without notice