

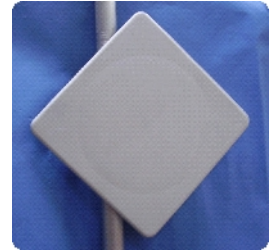
5 GHz Broadband Subscriber Antenna

- 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:

- 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:

Electrical

Frequency range	4.9 - 5.875 GHz
Gain, typ.	23 dBi @ 5.15-5.875 , 21 dBi @ 4.9-5.15
VSWR, max.	1.5 : 1 @ 5.15-5.875 , 1.9: 1 @ 4.9-5.15
3 dB Beam-Width, H-Plane, typ.	10.5 °
3 dB Beam-Width, E-Plane, typ.	10.5 °
Side Lobes, min.	-23 dB
Polarization	Linear Vertical
Cross Polarization, min.	-24 dB
Front to Back Ratio, min.	-30 dB
Input power, max	30 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm (12"x12"x0.6")
Weight	840 gr.
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-67
Humidity	ETS 300 019-1-4, EN 302 085 (annex. A.1.1)
Ice and Snow	25 mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	> 10 years

Standard Compliance

4.9-5.15 GHz ETSI EN 302 085 V1.2.3 â€“ TS1, TS2, TS3

5.15 â€“ 5.875 GHz ETSI EN 302 085 V1.2.3 â€“ TS1, TS2, TS3, TS4, TS5

Ordering Options

Antenna Suited For Enclosure

MA-WA58-1X BRF

Ordering Options

Antenna with integral Pole Mount includes stainless steel brackets	MA-WA58-1X PM
Antenna with mount	MA-WA58-1X B
Antenna Suited for MNT-22 (optional wall/pole adjustable mount)	MA-WA58-1X MNT

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