

MA-WA47-20

4.4-5 GHz Broadband Subscriber Antenna

MARS 4.5 GHz Broadband High Gain Antenna covers 4.4-5 GHz spectrum

Additional Features:

- Exceptionally high gain of 20 dBi over the entire frequency band.
- 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	4.4-5 GHz
GAIN	20 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	11°
3 dB Beam-Width, E-Plane, typ.	14°
Side Lobes, typ.	-12 dB
Front to Back Ratio, min.	-35 dB
Cross Polarization, min.	-18 dB
Input power, max	30 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm (12" x 12" x 0.6") – Diamond Shape
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)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

Ordering Options

MA-WA47-20	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA47-20B	Antenna with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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