

MA-WA55-30

4.9-6.1 GHz High Gain Subscriber Antenna

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

Additional Features:

- Exceptionally high gain over the entire frequency band.
- UV protected radome suitable for harsh weather installations.
- Highest range of ETSI standards - TS3, TS4, TS5.
- Easy mounting allowing Az/EI adjustment.



Specifications

Electrical

Frequency range	4.9-6.1 GHz	
GAIN. typ.	4.9-5.15 & 5.875-6.1 @ 29 dBi	5.15-5.875 @ 30 dBi
VSWR, max.	1.7 : 1 @ 4.9-5.875	1.9 : 1 @ 5.875-6.1
Polarization	Linear, Vertical or Horizontal	
3 dB Beam-Width, H-Plane, typ.	5°	
3 dB Beam-Width, E-Plane, typ.	5°	
Side Lobes, min.	ETSI TS3, TS4, TS5	
Cross Polarization, min.	ETSI TS3, TS4, TS5	
Front to Back Ratio, min.	ETSI TS3, TS4, TS5	
Input power, max.	50 Watt	
Input Impedance	50 Ohm	
Lightning Protection	DC Grounded	

Mechanical

Dimensions (HxWxD)	600 x 600 x 30 mm (23.5" x 23.5" x 1.2")
Weight	4.5 kg.
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

Ordering Options

MA-WA55-30	Antenna Suited for MNT-60A (optional wall/pole adjustable mount)
MA-WA55-30B	Antenna with MNT-60A mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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