

## 4.9 - 6.1 GHz High Gain Subscriber Antenna

### -MA-WA55-30

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 of 30 dB over the entire frequency band
- UV protected radome allowing for harsh weather installations
- highest range of ETSI standards - TS3, TS4, TS5
- easy mounting allowing for Az/EI adjustment



#### Specifications:

#### Electrical

Frequency range	4.9 - 6.1 GHz
Gain, typ.	30 dBi 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
3 dB Beam-Width, H-Plane, typ.	5 °
3 dB Beam-Width, E-Plane, typ.	5 °
Side Lobes, min.	ETSI TS3, TS4, TS5
Polarization	Linear, Vertical or Horizontal
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"x1.2")
Weight	5 kg
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-60

#### 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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex. A.1.1)
Salt Fog	According to IEC 68-2-11
Service Life	> 10 years

Specifications subject to change without notice