

MA-WA21-22

Preliminary

2.0 - 2.3 GHz Subscriber Antenna

MARS 2.15 GHz Antenna is a wide band antenna designed for LTE, Wi-Fi, LAN, MMDS, WLL and WiMAX applications.

Additional Features:

- Exceptionally efficient performance.
- High gain/size ratio.
- Aesthetic design.
- Weatherized and durable.



Specifications

Electrical

Frequency range	2.0 - 2.3GHz
GAIN, typ.	22 dBi (Without cable)
VSWR, max.	1.8 : 1
Polarization Dual Pole	Linear, Vertical or Horizontal
3 dB Beam-Width, H-Plane, typ.	15°
3 dB Beam-Width, E-Plane, typ.	15°
Side Lobes, typ.	-14 dB
Cross Polarization, min.	-15 dB
Port to Port Isolation, typ.	-25 dB
Front to Back Ratio, min.	-30 dB
Input power, max.	10 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	4.7 kg.
Connector	N-Type Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	MNT-60A

Environmental

Operating Temperature Range	-55°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

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