

3.3-3.8 GHz Subscriber Antenna

- MA-WA36-15

MARS 3.5 GHz Antenna suited for the licensed 3.5 GHz band is specially designed for WiMAX applications.

Additional Features:

- aesthetic and unobtrusive profile
- suitable for both indoor and outdoor applications
- can be customized with customer defined back plane and different connector configurations



Specifications:

Electrical

Frequency range	3.3 - 3.8 GHz
Gain, min.	15 dBi
VSWR, max.	1.5:1
3 dB Beam-Width, H-Plane, typ.	30 °
3 dB Beam-Width, E-Plane, typ.	24 °
Side Lobes, min.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Polarization	Linear, Vertical or Horizontal
Cross Polarization, max.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Front to Back Ratio, max.	ETSI EN 302 085 v1.2.3 TS2 Range 1
Input power, max	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	230 x 215 x 30 mm (9.1"x8.4"x1.2")
Weight	0.5 kg
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-2

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)
Ice and Snow	25 mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	> 10 years

Standard Compliance

ETSI EN 302 085 v1.2.3 TS2 Range 1