

3.3-3.8 GHz Subscriber Antenna

- MA-WA36-22

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, typ.	22 dBi
VSWR, max.	1.7:1
3 dB Beam-Width, H-Plane, typ.	11.5 °
3 dB Beam-Width, E-Plane, typ.	11.5 °
Side Lobes, min.	ETSI EN 302 085 v1.2.3 TS3 Range 1
Polarization	Linear
Cross Polarization, max.	ETSI EN 302 085 v1.2.3 TS3 Range 1
Front to Back Ratio, max.	ETSI EN 302 085 v1.2.3 TS3 Range 1
Input power, max	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	370 x 370 x 30 mm (14.6"x14.6"x1.2")
Weight	3 kg
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	<u>MNT-22</u>

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

Standard Compliance

ETSI EN 302 085 v1.2.3 TS3 Range 1