5.125â€“6.1 GHz Triple Polarization MIMO Subscriber Antenna

MA-WA55-TPMIMO

MARS Triple Polarization antenna provides coverage of 5.125-6.1 GHz frequency band in a single antenna radome.
Additional Features:
- 3 ports: Dual Slant (Â±45) and Vertical Polarization
- specially designed for MIMO applications for optimal decorrelation
- light weight and durable construction
- UV protected radome made of plastic
- can be customized with customer defined back plane and different connector configurations

Port to Port Isolation

Vertical toÂ±45Dual Slant - **40 dB**

45Dual Slant to 45Dual Slant - **30 dB**

Specifications:

Electrical		
Model	Vertical Polarization	Dual Slant Polarization
Frequency range	5.125 - 6.1 GHz	5.125 - 6.1 GHz
Gain	19 dBi	17.5 dBi
VSWR, max.	1.7:1	1.7:1
3 dB Beam-Width, H-Plane, typ.	22 °	20 °
3 dB Beam-Width, E-Plane, typ.	14 °	19 °
Side Lobes, min.	-12 dB	-12 dB
Polarization	Dual Slant Â±45Âº and Vertical	
Front to Back Ratio, min.	-35 dB	
Input power, max	10 Watt	
Input Impedance	50 Ohm	
Lightning Protection	DC Grounded	
Mechanical		
Dimensions (HxWxD)	305 x 305 x 15 mm (12"x 12"x 0.6")	
Weight	1.5 kg	
Connector	3 x N-Type Female	
Back Plane	Aluminum protected through chemical passivation	
Radome	UV Protected Polycarbonate	
Mount	MNT-22	
Environmemtal		
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	
Ordering Options		
Antenna Suited for MNT-22 (optional wall/pole adjustable mount)		MA-WA55-TPMIMO
Antenna with mount		MA-WA55-TPMIMO B