



## **MA-WA56-DP20**

# 4.9-5.875 GHz Dual Polarization/Dual Slant Subscriber Antenna

MARS 5 GHz Dual Polarized Antenna designed to provide full coverage for the 5 GHz frequency band.

#### Additional Features:

- · Dual slant if mounted diagonally.
- · Efficient and stable performance.
- · High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.
- Easy mounting allowing Az/El adjustment and 45deg. turn installation.



## **Specifications**

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Frequency range		4.9-5.875 GHz
GAIN		21 ± 1 dBi
VSWR, max.		1.7:1
Polarization	Dual Pole	Linear, Vertical & Horizontal
FUIdIIZatiUII	Dual Slant (opt.)	±45°
3 dB Beam-Width, H-Plane, typ.		12°
3 dB Beam-Width, E-Plane, typ.		12°
Side Lobes, min.		ETSI TS3
Cross Polarization, min.		-18 dB
Port to Port Isolation, typ.		-30 dB
Front to Back Ratio, min.		ETSI TS3
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")
Connector (without enclosure)	2 x N-Type Female
Connector (with enclosure)	2 x SMA Female
Weight	900 gr.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Enclosure - Large	287 x 287 x 68 mm. (External dimension)
Mounting	See ordering options

#### 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

## **Ordering Options**

MA-WA56-DP20	Antenna with 2xN-Type Female suited for MNT-22 (optional wall/pole adjustable mount)		
MA-WA56-DP20B	Antenna with 2xN-Type Female with MNT-22 mount		
MA-WA56-DP20SMELZ	Antenna with large enclosure, 2 x SMA Female Connector and MNT-22		

### Patterns are available on our website

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