

Wideband Vehicle Mount Antenna

1800 – 2200 MHz



Product Code: VMA – 1822

Version 1.0

SPECIFICATIONS

Electrical:	
Frequency Range	1800 - 2200 MHz
VSWR	<2:1
Gain	4.5 dBi
Polarization	Linear
Input Impedance	50 Ohms
Connector	N-Female
Feed power Handling	200 Watts
Mechanical:	
Dimensions (l x d)	340 mm x 30 mm (radome) x 140 mm (base)
Weight	<780 g
Environmental	
Operating Temp	-20°C to +70°C
Storage Temp	-40°C to +80°C
Weight	0.9 Kg
Wind Rating	180 Km/Hr
Mounting Type	Vehicle Mount (NATO 4-Holes)
Construction	6063T6 Aluminum, UV-resistant ABS
Environmental Rating	IP67



VMA-1822

PRODUCT DESCRIPTION:

The VMA-1822 is an omni-directional, wideband, high power, vehicle-mount antenna designed for high-power applications from 1800 to 2200 MHz.

PRODUCT FEATURES:

- Wide frequency coverage (1800 to 2200 MHz)
- High-power, 150 W at 100% duty cycle
- Good VSWR (less than 2:1)
- Omni-directional azimuth pattern
- Rugged and waterproof

APPLICATIONS:

- Improvised explosive device (IED) Suppression
- Communications interception

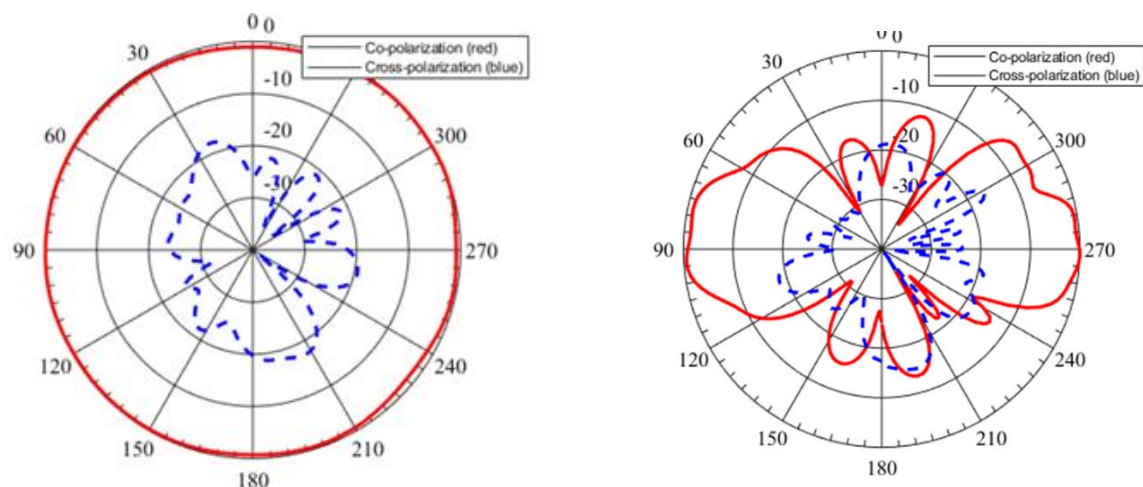
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TEST CONDITIONS:

- S-parameters were measured using Anritsu MS46122B VNA.
- Farfield Radiation pattern measurements were carried out in Anechoic Chamber.



Measured Radiation pattern at 2100 MHz – 4.5 dBi