

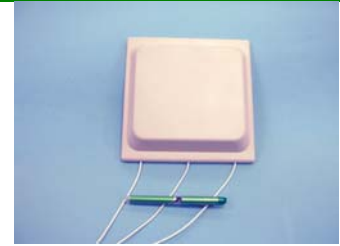
MA-WE2458-3H

2.3-2.7 GHz & 4.9-6.1 GHz Dual Band MIMO Applications Sector Antenna, 120°

MARS Dual Band Sector antenna provides coverage of 2.3 to 2.7 GHz & 4.9 to 6.1 GHz in a single antenna radome.

Additional Features:

- Simultaneous coverage of LTE, 802.11 a, b, g, e, n, WiMAX & 4.9 GHz Public Safety Bands.
- Light weight and durable construction.
- UV protected radome made of polycarbonate.



Specifications

Electrical

Frequency range	2.3-2.7 GHz & 4.9-6.1 GHz
GAIN, typ.	3 x 5 dBi
VSWR, max.	2 : 1 (typ. 1.5 : 1)
Polarization	Vertical & 2 Dual Slant $\pm 45^\circ$
3 dB Beam-Width, H-Plane, typ.	120°
3 dB Beam-Width, E-Plane, typ.	70°
Input power, max.	20 Watt
Input Impedance	50 Ohm

Mechanical

Dimensions (W x L x H)	200 x 200 x 33 mm (7.9" x 7.9" x 1.25")
Connector	See ordering options
Weight	260 gr.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	See Ordering Options

Environmental

Operating Temperature Range	-40°C to +70°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-WE2458-3H	Antenna 3 x Coaxial Cable RG 316 with RPSMA, wall mountable
MA-WE2458-3H2	Antenna 3 x Coaxial Cable RG 316 with N-Type male with provision for Az/EI adjustable for MNT-22 mount
MA-WE2458-3H2B	Antenna 3 x Coaxial Cable RG 316 with N-Type male with MNT-22 mount

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

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3 Hamanor st. Holon 58861, P.O.Box 5 AZOR 58008, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com

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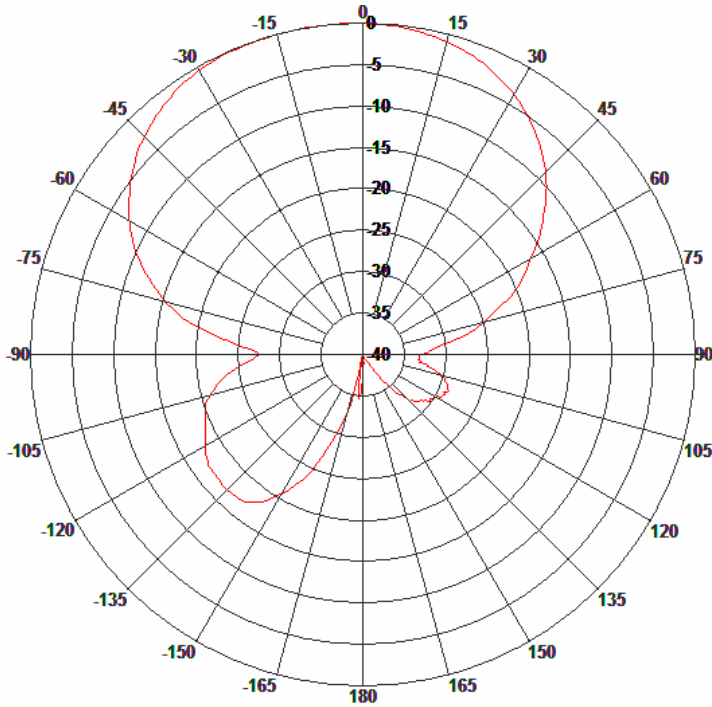
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Radiations Patterns

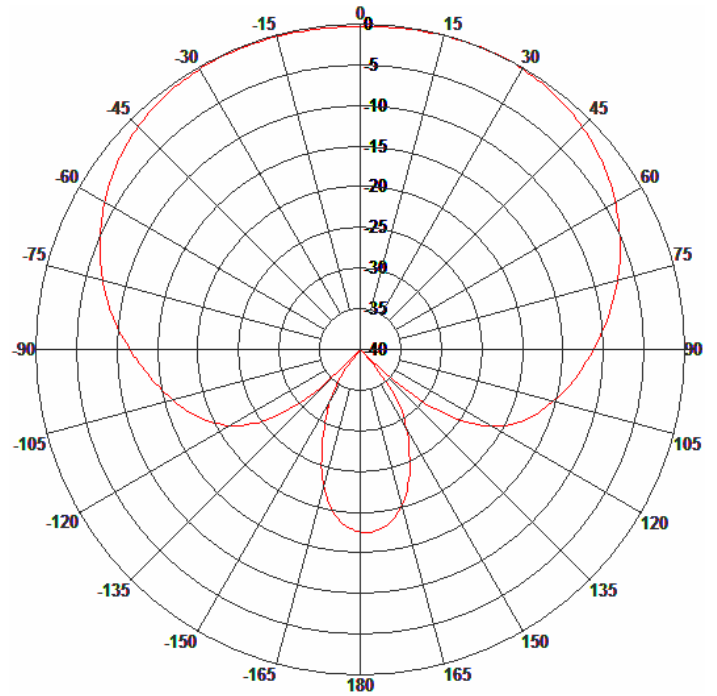
Frequency

2500 MHz

E-Plane Patterns



H-Plane Patterns

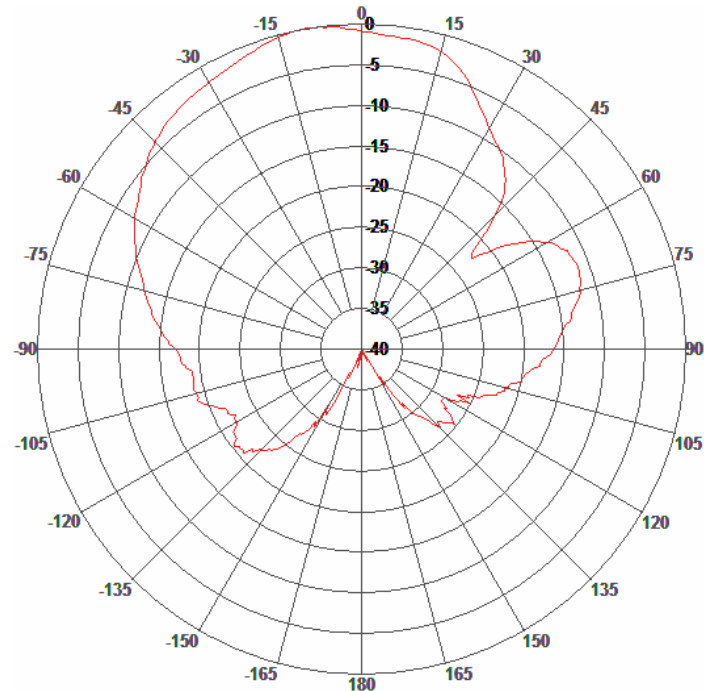


Radiations Patterns

Frequency

5500 MHz

E-Plane Pattern



H-Plane Pattern

