



LTE & Indoor Antennas Products Catalogue

A photograph of the Earth from space, showing the curvature of the planet and the blue atmosphere. A bright sun is rising over the horizon, creating a large, glowing lens flare effect that illuminates the scene.

*New antennas era
from MARS down to earth*



MARS Antennas & RF Systems LTD is pleased to introduce its LTE and Indoor Products

About LTE

LTE initials serves as **Long Term Evolution**

LTE is a standard for wireless communication of high-speed data for mobile phones and data terminals.

LTE is based on the GSM/EDGE and UMTS/HSPA network technologies, increasing the capacity and speed using a different radio interface together with core network improvements.

MARS develops and manufactures a variety of LTE Antennas according to the different demand of the LTE spectrum according to regions.

About MARS

MARS Antennas & RF Systems Ltd is a world class leading antennas design and manufacturing, RF solutions and R&D Company based in Israel, with a demonstrated capacity to design and provide cost effective products with exceptional performance characteristics.

MARS was established in 1987 and located in its owned facility in Tel-Aviv area.

MARS offers a wide range of Broadband Wireless Panel Antennas market in which our both single and dual polarized subscriber and sector antennas cover frequency ranges of 700MHz, 915MHz, 2.4GHz, 3.5GHz, 4.9GHz and 5.8-6.1GHz.

Mars offers a wide range of antennas for the rapidly growing LTE and WiMax fixed and mobile applications markets.

MARS also has a strong line of In-Building antennas that allows cost effective solution for Cellular and Wi-Fi applications. In addition MARS offers a wide range of antennas for ISM & Special Applications, Embedded Antennas, Wi-Fi Repeaters, In-Building Cellular Repeaters – High Selective and FCC approved.

MARS's main expertise is in developing and manufacturing of antennas based on printed circuit antennas called flat or Flat Panel Arrays.

MARS is ISO 9001, ISO 14001 and RoHS certified R&D and manufacturing company.

MARS possesses in-house internal anechoic chamber allowing for assurance of the highest level of developed products and assuring the highest level of quality control.

No.	Antenna Part Number	Description	USA LTE Compatible	Europe & Russia LTE Compatible
1	MA-CQ26-1X	380 MHz -6 GHz Multi Band Omni	√	√
2	MA-CQ27-1X	380 MHz -6 GHz Multi Band Omni	√	√
3	MA-WOLTE-3X	LTE, GSM, UMTS, WLAN, Wi-Fi Multi Band Omni	√	√
4	MA-WOLTE-3M1	698-6500 MHz Multi Band Tri-Ports Omni Antenna	√	√
5	MA-CLTE-14	LTE, GSM, UMTS, WLAN, Wi-Fi Multi Band Panel Antenna	√	√
6	MA-CL67-15	GSM, UMTS, WLAN Multi Band Panel Antenna		√
7	MA-CM36-15	Multi Band Omni Antenna		√
8	MA-CR26-2X	Multi Band Omni Antenna		√
9	MA-DBO2455-3	Dual Band Omni WiMAX Antenna		√
10	MA-CN14-11	Multi Band 140° Antenna		

Part Number	Description	Frequency band	Gain	Polarization	Dimensions (LxWxD)	Page
MA-CQ26-1X	380 MHz -6 GHz Multi Band Omni	380-460 608-614 806-960 1395-1432 1710-2170 2400-2700 3400-3700 4900-6000 MHz	1 (2*) dBi 1 (2*) dBi 4 dBi 5 dBi 6 dBi 6 dBi 6 dBi 6 dBi	Linear, Vertical	Base Dia. - 275 Height - 187 mm	5
MA-CQ27-1X	380 MHz -6 GHz Multi Band Omni	380-806 806-960 1395-1432 1710-2170 2300-2500 3300-3700 4900-6000 MHz	1 (2*) dBi 4 dBi 5 dBi 5 dBi 6 dBi 6 dBi 6 dBi	Linear, Vertical	Base Dia. - 275 Height - 187 mm	6
MA-WOLTE-3X	LTE, GSM, UMTS, WLAN, Wi-Fi Multi Band Omni	698-806 806-960 1710-2170 2300-2700 3300-3800 4900-6400 MHz	2 dBi 2 dBi 3-4 dBi 5 dBi 4 dBi 6 dBi	Linear, Vertical	Base Dia. - 205 Height - 89 mm	7
MA-WOLTE-3M1	698-6500 MHz Multi Band Tri-Ports Omni Antenna	Port 1 & 2		Linear, Vertical	Antenna dimension (D,H): 220, 95mm Base dimension (L,W,H): 369, 270, 30 mm	8
		698-960 MHz	2 dBi			
		1710-2170 MHz	3-4 dBi			
		2.3-2.7 GHz	5 dBi			
		3.3-3.8 GHz	4 dBi			
		4.9- 6.5 GHz	6 dBi			
		Port 3				
		1710-2170 MHz	3 dBi			
		2.3-2.7 GHz	3 dBi			
3.3-3.8 GHz	4 dBi					
4.9-6.5 GHz	6 dBi					
MA-CLTE-14	LTE, GSM, UMTS, WLAN, Wi-Fi Multi Band Panel Antenna	698-806 806-960 1710-2170 2200-2700 MHz	5 dBi 6 dBi 6.5 dBi 5 dBi	Mixed, Vertical and Horizontal	230 x 214 x 31 mm	9
MA-CL67-15	GSM, UMTS, WLAN Multi Band Panel Antenna	806-960 1710-2170 2200-2700 MHz	8.5 dBi 7.5-10 dBi 5-6.5 dBi	Linear, Vertical	230 x 214 x 31 mm	10
MA-CM36-15	Multi Band Omni Antenna	806-960 1710-2170 2300-2700 MHz	2 dBi 3-4 dBi 5 dBi	Linear, Vertical	Base Dia. - 205 Height - 89 mm	11

Part Number	Description	Frequency band	Gain	Polarization	Dimensions (LxWxD)	Page
MA-CR26-2X	Multi Band Omni Antenna	806-960 1710-2170 2300-2700 3400-3700 4900-6000 MHz	2 dBi 3-4 dBi 5 dBi 5 dBi 5-6 dBi	Linear, Vertical	Base Dia. - 205 Height - 89 mm	12
MA-DBO2455-3	Dual Band Omni WiMAX Antenna	2.3-2.6 & 4.9- 6.4 GHz	2 dBi 4 dBi	Linear Vertical	50 (D) x 34 (H) mm	13
MA-CN14-11	Multi Band 140° Antenna	SMR, AMPS, CDMA, TDMA, GSM 900		Linear, Vertical	Antenna dimension (H,W, D): 175, 35, 125 mm	14
		806-960 MHz	5 dBi			
		Port 3 PCS, DECT, GSM 1900, UMTS				
		1.71-2.17 GHz	5 dBi			
		Base dimension (H,W): 185, 105 mm				

MA-CQ26-1X

380 MHz-6 GHz Multi Band Omni Antenna

MARS Multi Band Omni Antenna covers all the bands for 2G, 2.5G and 3G cellular, as well as ISM, WLAN, UNII, Bluetooth, Wi-Fi, WMTS and IMT-MC450.

The antenna is aesthetic and has unobtrusive profile that blends easily with any environment.

The antenna is easy-installed and is highly recommended as an outstanding logistic solution for In-Building Installations.



Specifications

Electrical

Standard	IMT-MC450	WMTS		SMR, AMPS, CDMA, TDMA, GSM 900	PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN	WLL	UNII, WLL, H-LAN, Wi-Fi
Frequency range	380-460 MHz	608-614 MHz	1395-1432 MHz	806-960 MHz	1.71-2.17 GHz	2.4-2.7 GHz	3.4-3.7 GHz	4.9-6 GHz
GAIN, typ.	1 (2*)		5	4	6	6	6	6
VSWR, max.	3 : 1 (2.5 : 1*)		1.9 : 1	2 : 1	1.9 : 1	1.9 : 1	1.9 : 1	1.9 : 1
Polarization	Linear, Vertical							
Input power, max.	50 Watt							
Input Impedance	50 Ohm							
Lightning Protection	DC Grounded							

Mechanical

Dimensions (HxWxD)	Base Diameter - 275 mm, Height - 187 mm
Weight	560 gr.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	Ceiling Mounting

Environmental

Operating Temp. Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-CQ26-1X	Antenna Indoor
MA-CQ26-1XT	Antenna Indoor with DC Return Option

(*) Specifications for Ground Plate of 40 cm and up, or above a metal surface, with a spacing of 35-45 mm.

Patent Pending

Patterns are available on our website.

Mars Antennas & RF Systems proprietary information

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MA-CQ27-1X

380 MHz-6 GHz Multi Band Omni Antenna

MARS Multi Band Omni Antenna covers continuously all the bands from 380 to 960 MHz and for 2G, 2.5G and 3G cellular, as well as ISM, WLAN, UNII, Bluetooth, Wi-Fi, WMTS IMT-MC450 and LTE.

The antenna is aesthetic and has unobtrusive profile that blends easily with any environment.

The antenna is easy-installed and is highly recommended as an outstanding logistic solution for fast deployments and "In-Building" installations. The antenna is available also for outdoor applications.



Specifications

Electrical

Standard	TETRA, IMT-MC450, WMTS, DVB-T, LTE	SMR, AMPS, CDMA, TDMA, GSM 900	WMTS, PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN	WLL, Broad-band access Licensed Band	Homeland Security, UNII, WLL, H-LAN, Wi-Fi
Frequency range	380-806 MHz	806-960 MHz	1.395-1.432 GHz 1.71-2.17 GHz	2.3-2.5 GHz	3.3-3.7 GHz	4.9-6 GHz
GAIN, typ.	1 (2*)	4	5	6	6	6
VSWR, max.	3 : 1 (2.5 : 1*)	2 : 1	1.9 : 1	1.9 : 1	1.9 : 1	1.9 : 1
Polarization	Linear, Vertical					
Input power, max	50 Watt					
Input Impedance	50 Ohm					
Lightning Protection	DC Grounded					

Mechanical

Dimensions(HxWxD)	Base Diameter - 275 mm, Height - 187 mm
Weight	550 gr.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	Ceiling Mounting

Environmental

Operating Temp. Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-CQ27-1X	Antenna Indoor
MA-CQ27-1XT	Antenna Indoor with DC Return Option
MA-CQ27-1XR	Antenna Outdoor

(*) Specifications for Ground Plate of 40 cm and up, or above a metal surface, with a spacing of 35-45 mm.

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MA-WOLTE-3X

698 MHz-6.5 GHz Multi Band Omni Antenna

MARS Multi Band Omni Antenna covers all the bands for 2G, 2.5G and 3G cellular, as well as UHF (760-960 MHz), LTE (698-806 MHz), ISM, WLAN, UNII, Bluetooth and Wi-Fi bands.

The antenna is aesthetic, small and has unobtrusive profile that blends easily with any environment.

The antenna is easy-installed and is highly recommended as an outstanding logistic solution for In-Building Installations.



Specifications

Electrical

Standard	LTE	SMR, AMPS, CDMA, TDMA, GSM 900	PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN	WLL	UNII, WLL, H-LAN, Wi-Fi
Frequency range	698-806 MHz	806-960 MHz	1.71-2.17 GHz	2.3-2.7 GHz	3.3-3.8 GHz	4.9-6.5 GHz
GAIN, typ.	2	2	3-4	5	4	6
VSWR, max.	2:1	2.2 : 1	1.9 : 1	2.1 : 1	2 : 1	2: 1
Polarization	Linear, Vertical					
Input power, max.	50 Watt					
Input Impedance	50 Ohm					

Mechanical

Dimensions (HxWxD)	Base Diameter - 205 mm, Height - 89 mm
Weight	220 gr.
Connector	N-Type, Female
Back Plane	PCB with soldermask
Radome	UV Protected Polycarbonate
Mount	See Ordering Options

Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-WOLTE-3X	Ceiling Mountable
MA-WOLTE-3XB	Ceiling/Wall Adjustable with MNT-22 mount

Patterns are available on our website

Patent Pending

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MA-WOLTE-3M1

698-6500 MHz Multi Band Tri-Ports Omni Antenna

MARS Multi Band Tri-Ports Omni Antenna provides coverage of 698-6500 MHz in a single antenna radome.

The Multi Band Tri-Ports Omni Antenna is easy-installed on ceiling and is highly recommended as an outstanding logistic solution for In-Building and outdoor installations and applications.

Additional Features:

- Low/mid gain.
- UV protected radome made of polycarbonate.



Specifications

Electrical

Frequency Range	698-6500 MHz	
GAIN, typ	Port 1 & 2 2 dBi @ 698-960 MHz 3-4 dBi @ 1710-2170 MHz 5 dBi @ 2.3-2.7 GHz 4 dBi @ 3.3-3.8 GHz 6 dBi @ 4.9- 6.5 GHz	Port 3 3 dBi @ 1710-2170 MHz 3 dBi @ 2.3-2.7 GHz 4 dBi @ 3.3-3.8 GHz 6 dBi @ 4.9-6.5 GHz
VSWR, max.	< 2 : 1	
Polarization	Linear, Vertical	
Input power, max	5 Watt	
3 dB Beam Width-Plane	Omni directional	
Port to Port Isolation	698-960 MHz > -14dB & 1710-2170 MHz > -20dB & 2.3-2.7 GHz @ 3.3-3.8 GHz > -25dB & 4.9-6.5 GHz > -30dB	
Input Impedance	50 Ohm	

Mechanical

Dimension of Antenna(DxH)	220 x 95 mm
Dimension of Base(LxW xH)	369 x 270 x 30 mm
Weight	1.36 Kg.
Connector	See ordering information
Back Plane	UV Protected Polycarbonate
Radome	UV Protected Polycarbonate
Mounting	Ceiling

Environmental

Operating Temperature Range	-40°C to +65°C
Wind Load	200 Km/h (Survival)
Vibration	According to IEC 60721-3-4
Water Proofing	IP-67
Flammability	UL94
Salt Fog	According to IEC 68-2-11
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)

Ordering Options

MA-WOLTE-3M1	3x Pigtail 6 feet LMR-195 with N-Type Male (Plenum Rated Cable)
MA-WOLTE-3M1N	Antenna 3 x N-Type Female

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MA-CLTE-14

Multi Band Panel Antenna

Up-To-Date Multi Band Panel Antenna covers all the bands for LTE 700 MHz, cellular bands, as well as ISM, WLAN, GSM1800, UMTS and Bluetooth.

The antenna is aesthetic, small and has unobtrusive profile that blends easily with any environment.

The antenna can be easily used either for Indoor or Outdoor Applications and features different mounting options.



Specifications

Electrical

Standard	LTE 700	SMR, AMPC, CDMA, TDMA GSM 900	GSM 1800, UMTS	Bluetooth, ISM, WLAN
Frequency range	698-806 MHz	806-960 MHz	1710-2170 MHz	2.2-2.7 GHz
GAIN, typ.	5 ± 1dBi	6 ± 1dBi	6.5 ± 1dBi	5 ± 1 dBi
VSWR, max.	2 : 1	2 : 1	1.7 : 1	1.7 : 1
3 dB Beam-Width, H-Plane, typ.	130°	140°	80°	55°
3 dB Beam-Width, E-Plane, typ.	70°	60°	45°	30°
Polarization	Linear, Vertical			
Input power, max.	10 Watt			
Input Impedance	50 Ohm			

Mechanical

Dimensions (HxWxD)	230 x 214 x 31 mm (9.1" x 8.4" x 1.2")
Weight	500 gr.
Connector	N-Type, Female at bottom (can be installed also upside down)
Back Plane	UV Protected Plastic (metal reinforced from the inside)
Radome	UV Protected Polycarbonate
Mount	See Ordering Options

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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

Ordering Options

MA-CLTE-14	Wall Mountable
MA-CLTE-14B	Az/EI Adjustable MNT-22 Mount

Patterns are available on our website

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MA-CL67-15

Multi Band Panel Antenna

Up-To-Date Multi Band Panel Antenna covers all the bands for 2G, 2.5G and 3G cellular, as well as ISM, WLAN and Bluetooth.

The antenna is aesthetic, small and has unobtrusive profile that blends easily with any environment.

The antenna can be easily used either for Indoor or Outdoor Applications and features different mounting options.

Antenna is designed to include DC Return Option which is available on request.



Specifications

Electrical

Standard	SMR, AMPS, CDMA, TDMA, GSM 900	PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN
Frequency range	806-960 MHz	1.71-2.17 GHz	2.2-2.7 GHz
GAIN,typ.	8.5 dBi	7.5-10 dBi	5-6.5 dBi
VSWR, max.	2 : 1	1.7 : 1	1.9 : 1 @ 2.2-2.5 GHz 2.1 : 1 @ 2.5-2.7 GHz
3 dB Beam-Width, H-Plane, typ.	75°	60°	50°
3 dB Beam-Width, E-Plane, typ.	65°	45°	25°
Polarization	Linear, Vertical		
Input power, max.	50 Watt		
Input Impedance	50 Ohm		

Mechanical

Dimensions (HxWxD)	230 x 214 x 31 mm (9.1" x 8.4" x 1.2")
Weight	500 gr.
Connector	N-Type, Female at bottom (can be installed also upside down)
Back Plane	UV Protected Plastic (metal reinforced from the inside)
Radome	UV Protected Polycarbonate
Mount	See Ordering Options

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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25 mm radial (survival)

Ordering Options

Application	Wall Mountable	Az/EI Adjustable MNT-22 Mount
Without DC Return	MA-CL67-15	MA-CL67-15B
With DC Return	MA-CL67-15T	MA-CL67-15TB

Patterns are available on our website

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MA-CM36-15

Multi Band Omni Antenna

MARS Multi Band Omni Antenna covers all the bands for 2G, 2.5G and 3G cellular, as well as ISM, WLAN and Bluetooth.

The antenna is aesthetic, small and has unobtrusive profile that blends easily with any environment.

The antenna is easy-installed and is highly recommended as an outstanding logistic solution for In-Building Installations.



Specifications

Electrical

Standard	SMR, AMPS, CDMA, TDMA, GSM 900	PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN
Frequency range	806-960 MHz	1.71-2.17 GHz	2.3-2.7 GHz
GAIN, typ.	2 dBi	3-4 dBi	5 dBi
VSWR, max.	2 : 1	1.5 : 1	1.6 : 1
Polarization	Linear, Vertical		
Input power, max.	50 Watt		
Input Impedance	50 Ohm		
Lightning Protection	DC Grounded		

Mechanical

Dimensions (HxWxD)	Base Diameter - 205 mm, Height - 89 mm
Weight	220 gr.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	Ceiling Mounting

Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-CM36-15	Antenna Indoor
MA-CM36-15R	Antenna Outdoor
MA-CM36-15T	Antenna Indoor with DC Return Option

Patterns are available on our website

Patent Pending

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MA-CR26-2X

Multi Band Omni Antenna

MARS Multi Band Omni Antenna covers all the bands for 2G, 2.5G and 3G cellular, as well as ISM, WLAN, UNII, Bluetooth and Wi-Fi.

The antenna is aesthetic, small and has unobtrusive profile that blends easily with any environment.

The antenna is easy-installed and is highly recommended as an outstanding logistic solution for In-Building Installations.



Specifications

Electrical

Standard	SMR, AMPS, CDMA, TDMA, GSM 900	PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN	WLL	UNII, WLL, H-LAN, Wi-Fi
Frequency range	806-960 MHz	1.71-2.17 GHz	2.3-2.7 GHz	3.4-3.7 GHz	4.9-6 GHz
GAIN, typ.	2	3-4	5	5	5-6
VSWR, max.	2 : 1	1.6 : 1	1.6 : 1	2 : 1	1.8 : 1
Polarization	Linear, Vertical				
Input power, max	50 Watt				
Input Impedance	50 Ohm				

Mechanical

Dimensions (HxWxD)	Base Diameter - 205 mm, Height - 89 mm
Weight	220 gr.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	Ceiling Mounting

Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-CR26-2X	Antenna Indoor
MA-CR26-2XR	Antenna Outdoor
MA-CR26-2XT	Antenna Indoor with DC Return Option

Patterns are available on our website

Patent Pending

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MA-DBO2455-3

2.3-2.7 GHz & 4.9-6.4 GHz Dual Band Omni Antenna

MARS Dual Band Omni antenna provides coverage of 2.3 to 2.7 GHz & 4.9 to 6.4 GHz in a single antenna radome.

Additional Features:

- Simultaneous coverage of 802.11 a, b, g, WiMAX & 4.9 GHz Public Safety bands.
- Light weight and durable construction.
- UV protected radome made of polycarbonate.
- Suitable for either outdoor (car top) or indoor (ceiling) installations.*



Specifications

Electrical

Frequency range	2.3-2.7 GHz & 4.9-6.4 GHz
GAIN, typ.	2.3-2.7 GHz @ 2 dBi (on 20+ cm diameter ground plane) ** 4.9-6.4 GHz @ 4 dBi (on 20+ cm diameter ground plane) **
VSWR	2: 1 (max.); 1.5 : 1 (typ.)
Polarization	Linear Vertical
Input power, max.	20 Watt
Input Impedance	50 Ohm

Mechanical

Dimensions (D x H)	54 x 34 mm (2.1" x 1.3")
Connector	N-Type Female (Bottom)
Weight	60 gr.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	Fixed Roof Top Mounting

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)

(*) Supplied with 78 mm disc for ceiling installation.

(**) Gain without ground plane is:

- 0 dBi @ 2.3-2.7 GHz
- 2 dBi @ 4.9-6.1 GHz

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

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MA-CN14-11

Multi Band 140° Antenna

MARS Multi Band 140° Antenna covers all the bands for 2G, 2.5G and 3G cellular.

The antenna is aesthetic, small and has unobtrusive profile.



Specifications

Electrical

Standard	SMR, AMPS, CDMA, TDMA, GSM 900	PCS, DECT, GSM 1900, UMTS
Frequency range	806-960 MHz	1.71-2.17 GHz
GAIN, typ.	5 dBi	
VSWR, max.	2 : 1	
3 dB Beam-Width, H-Plane, typ.	130°	140-150°
3 dB Beam-Width, E-Plane, typ.	70°	85°
Polarization	Linear, Vertical	
Input power, max.	50 Watt	
Input Impedance	50 Ohm	

Mechanical

Dimensions - Base Plate (HxW)	185 x 105 mm (7.3" x 4.1")
Dimensions - Radome (HxWxD)	175 x 35 x 125 mm (6.9" x 1.4" x 4.9")
Weight	260 gr.
Connector	Pig Tail with N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Plastic

Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-CN14-11T	Antenna Indoor with DC Return Option
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Patterns are available on our website

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