

MAT-WDB-DA-RM-2-0203-1m Series

MIMO 2x2, 2.4/5 GHz, dual-band desktop antennas: 2/3 dBi, RP-SMA-type (male), 1 m cable



Features and Benefits

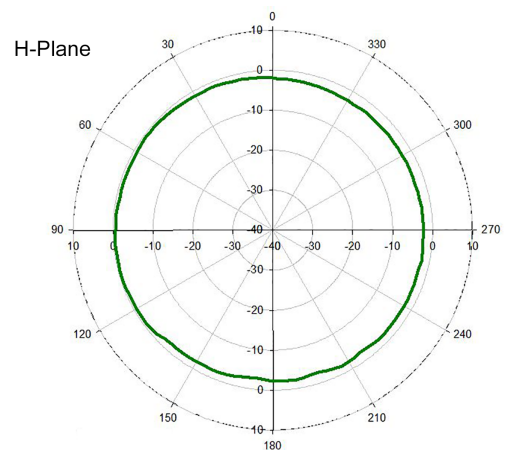
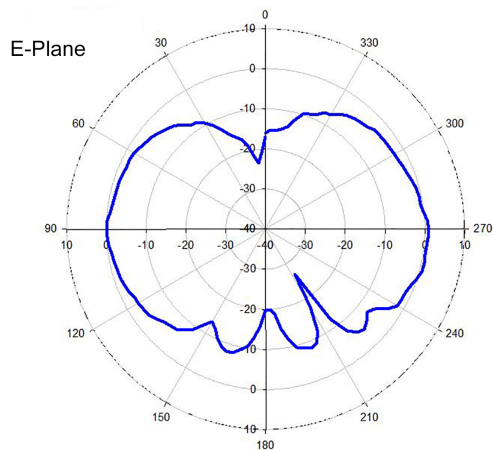
- Small size for easy installation
- Desktop mount
- RP-SMA-type (male) connector

Introduction

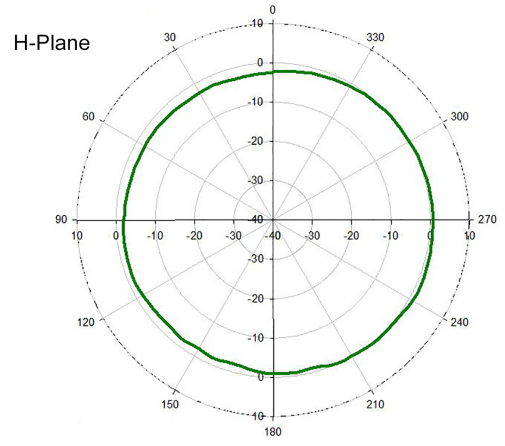
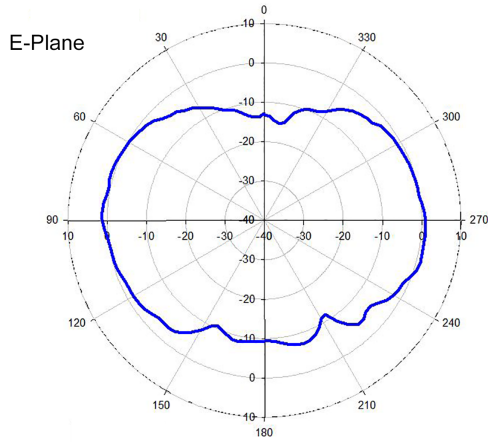
The MAT-WDB-CA-RM-2-0203-1m antenna is a compact MIMO 2x2 dual-band desktop antenna with a RP-SMA-type (male) connector. The antenna can be used in both the 2.4 GHz and 5 GHz frequencies, provides an antenna gain of 2/3 dBi, and comes with a 1-m cable.

Field Patterns

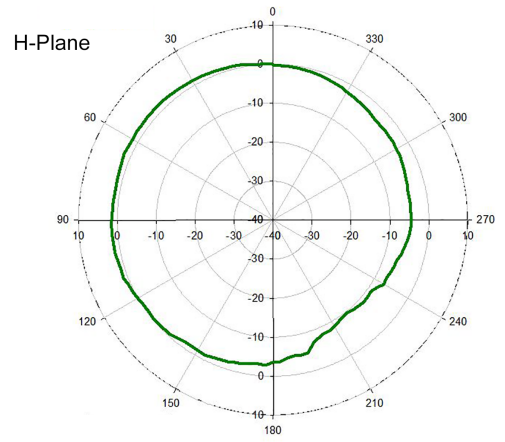
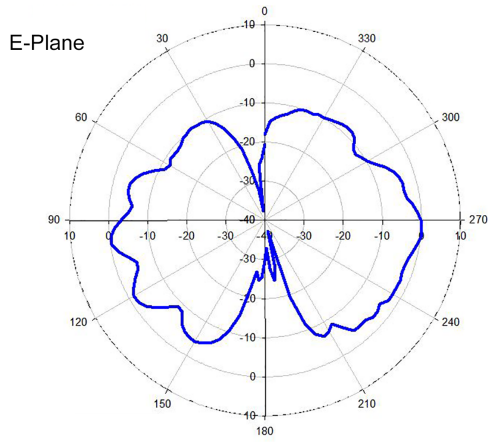
Port 1 Frequency: 2.4 GHz



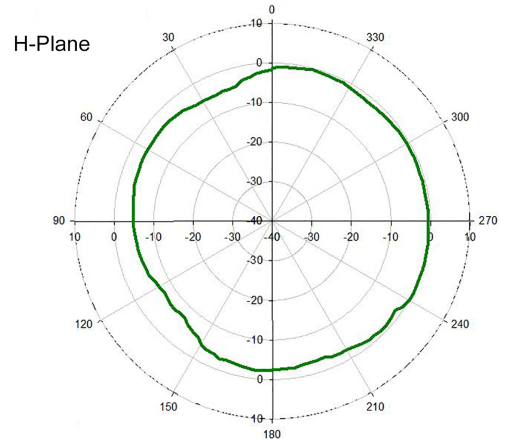
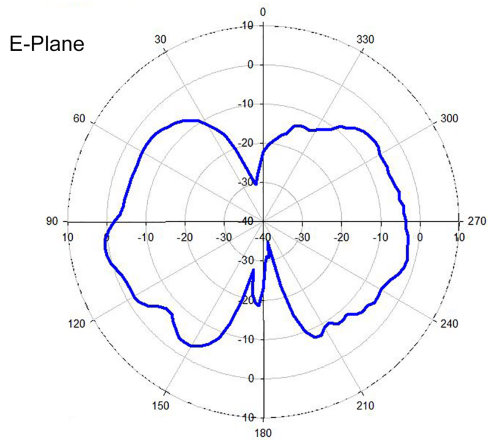
Port 2 Frequency: 2.4 GHz



Port 1 Frequency: 5 GHz



Port 2 Frequency: 5 GHz



Specifications

Antenna Characteristics

Frequency	2.4 to 2.5, 4.9 to 5.85 GHz
Antenna Type	MIMO 2x2, Omni-directional
Typical Antenna Gain	2/3 dBi
Connector	RP-SMA (male)
Impedance	50 ohms

Polarization	Linear, Vertical
HPBW/Horizontal	360/114°
HPBW/Vertical	75/54°
V.S.W.R.	2:1 max.
Power Handling	2 W (max.)

Physical Characteristics

Weight	156 g (0.34 lb)
Length (including RF cable)	194.3 mm (7.65 in)
IP Rating	IP55
Radome Color	Black
Radome Material	PC-1250G
Installation	Desktop Mount
Cable	RG-174
Cable Length	1 m

Environmental Limits

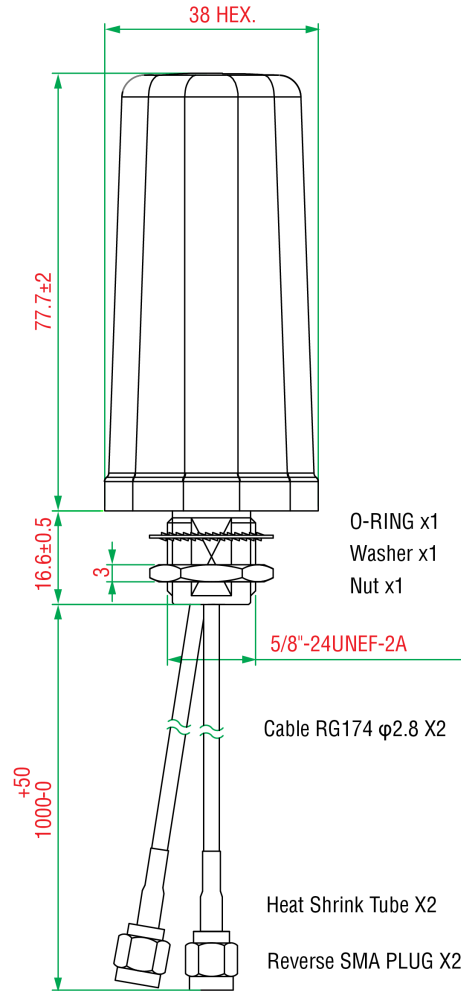
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

Warranty

Warranty Period	1 year
Details	See www.moxa.com/warranty

Dimensions

Unit: mm



Ordering Information

Model Name	Frequency	Antenna Type	Antenna Gain	Connector
MAT-WDB-DA-RM-2-0203-1m	2.4 to 2.5, 4.9 to 5.85 GHz	MIMO 2x2, Omni-directional	2/3 dBi	RP-SMA (male)

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