

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

2 dBi at 2.4 GHz or 3 dBi at 5 GHz, RP-SMA-type(male), 2x2 MIMO, dual-band desktop antennas with 1 m cables



## Features and Benefits

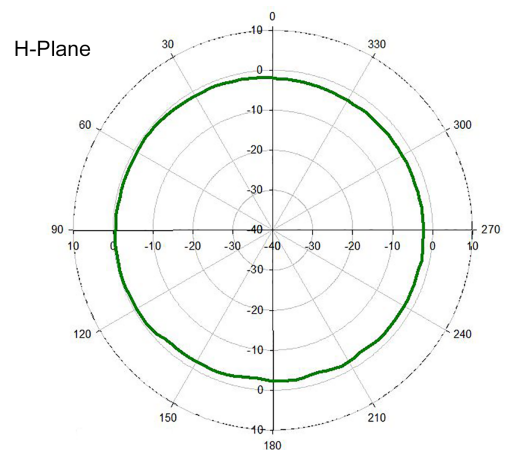
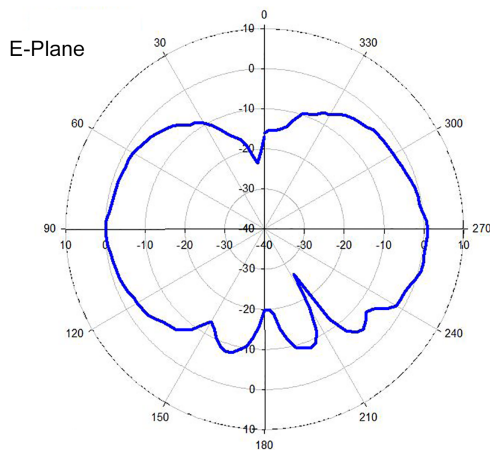
- Small size for easy installation
- Desktop mount
- RP-SMA-type (male) connector

## Introduction

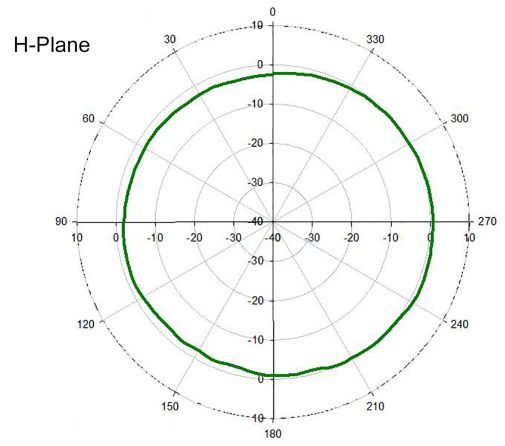
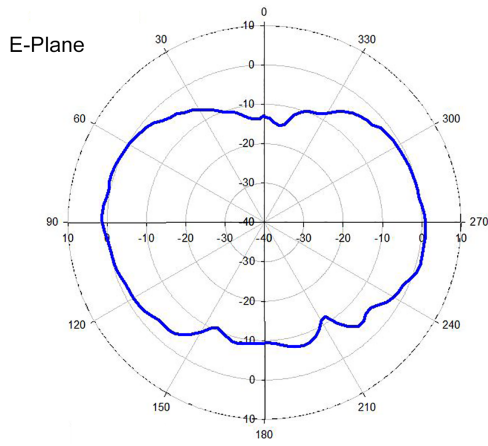
The MAT-WDB-DA-RM-2-0203-1m antenna is a compact MIMO 2x2 dual-band desktop antenna with a RP-SMA-type (male) connector. The antenna can be used in both the 2.4 GHz and 5 GHz frequencies, provides an antenna gain of 2/3 dBi, and comes with a 1-m cable.

## Field Patterns

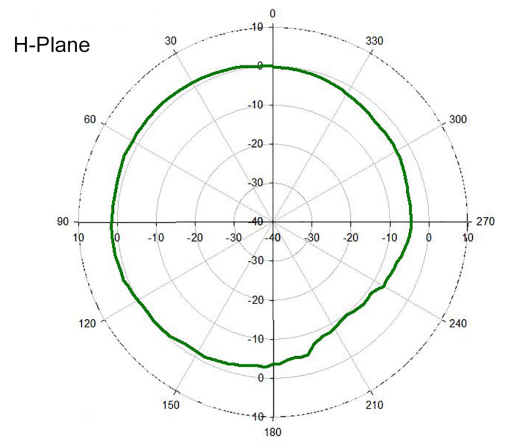
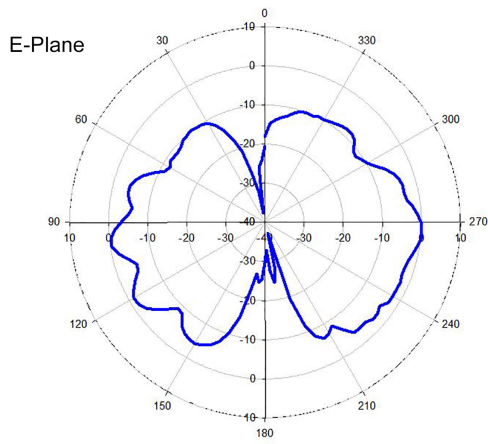
### Port 1 Frequency: 2.4 GHz



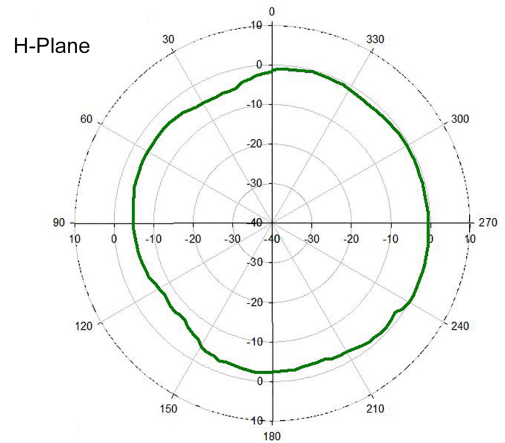
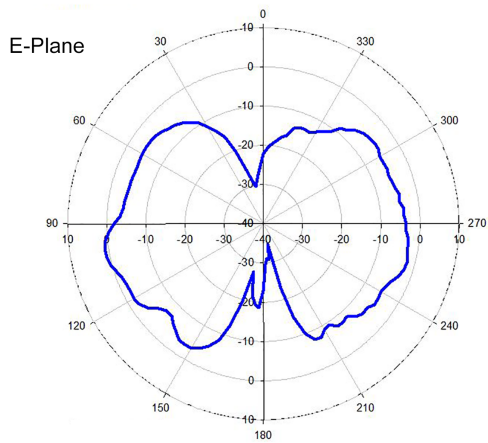
### Port 2 Frequency: 2.4 GHz



### 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

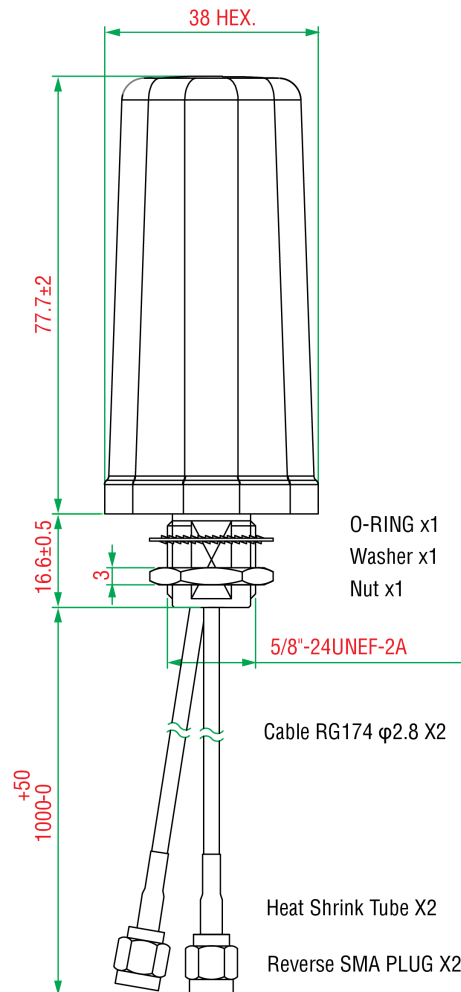
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

#### Warranty

Warranty Period	1 year
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>

## 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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