

MAT-WDB-CA-RM-2-0205 Series

MIMO 2x2, 2.4/5 GHz, dual-band ceiling antennas: 2/5 dBi, RP-SMA-type (male)



Features and Benefits

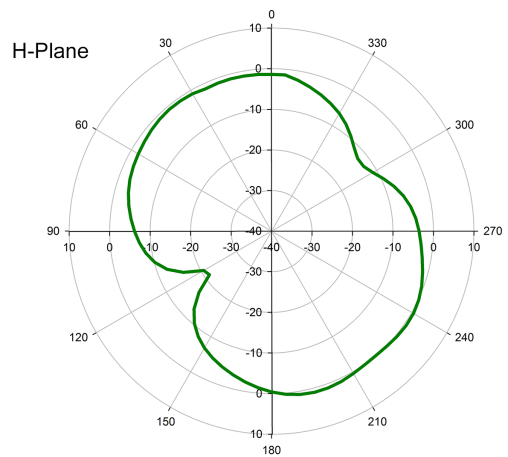
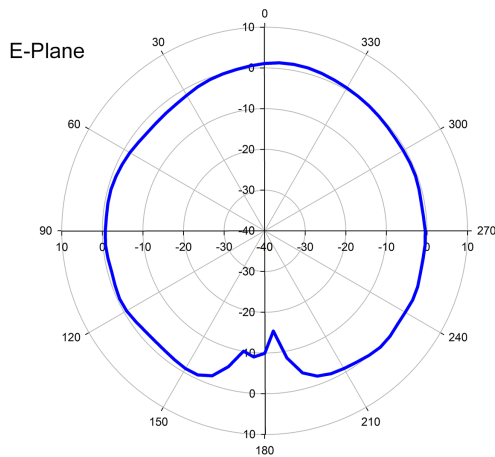
- RP-SMA-type (male) connector
- Lightweight
- Easy to mount on the ceiling
- -40 to 75°C operating temperature range

Introduction

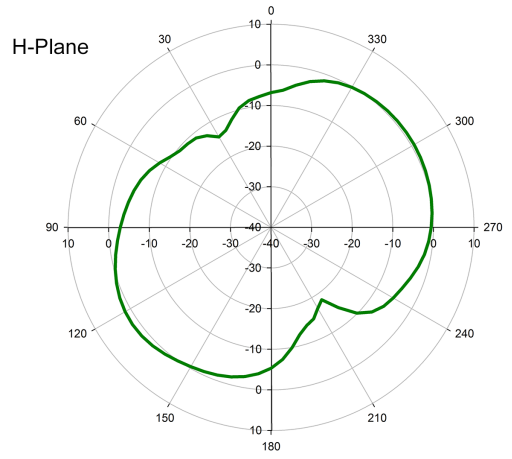
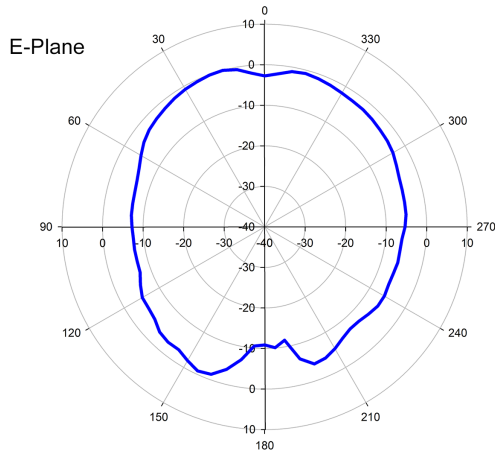
The MAT-WDB-CA-RM-2-0205 antenna is a lightweight MIMO 2x2 dual-band ceiling antenna with a RP-SMA-type (male) connector. The antenna can be used in both the 2.4 GHz and 5 GHz frequencies and is designed to operate in temperatures from -40 to 75°C.

Field Patterns

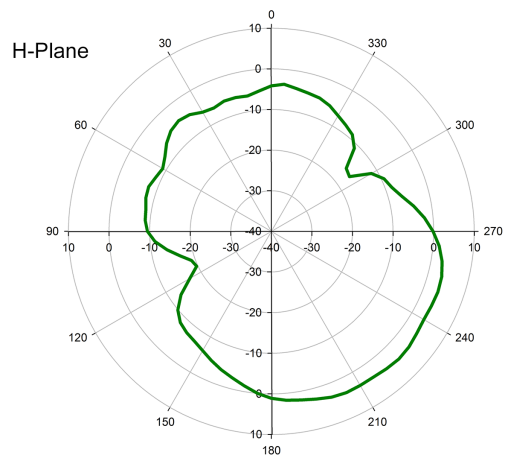
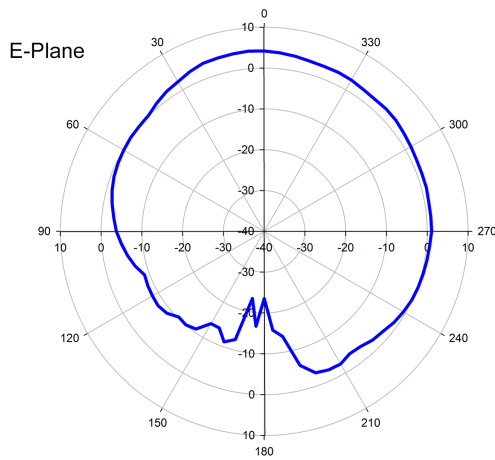
Port 1 Frequency: 2.4 GHz



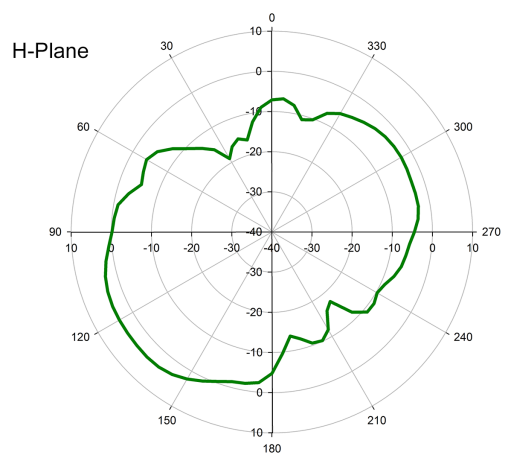
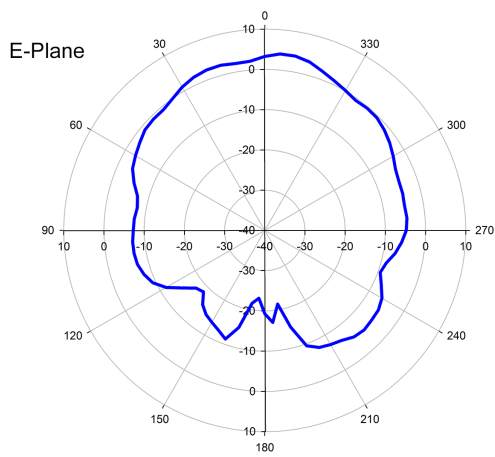
Port 2 Frequency: 2.4 GHz



Port 1 Frequency: 5 GHz



Port 2 Frequency: 5 GHz



Specifications

Antenna Characteristics

Frequency	2.4 to 2.5, 4.9 to 5.9 GHz
Antenna Type	MIMO 2x2, Omni-directional
Typical Antenna Gain	2/5 dBi
Connector	RP-SMA (male)
Impedance	50 ohms

Polarization	Linear
HPBW/Horizontal	360°
V.S.W.R.	2:1 max.
Power Handling	10 W (max.)

Physical Characteristics

Weight	115 g (0.25 lb)
Height	37 mm (1.46 in)
Diameter	210.9 mm (8.3 in)
Radome Color	White
Radome Material	ABS
Installation	Ceiling mount
Cable	RG-178
Cable Length	250 mm (9.84 in)

Environmental Limits

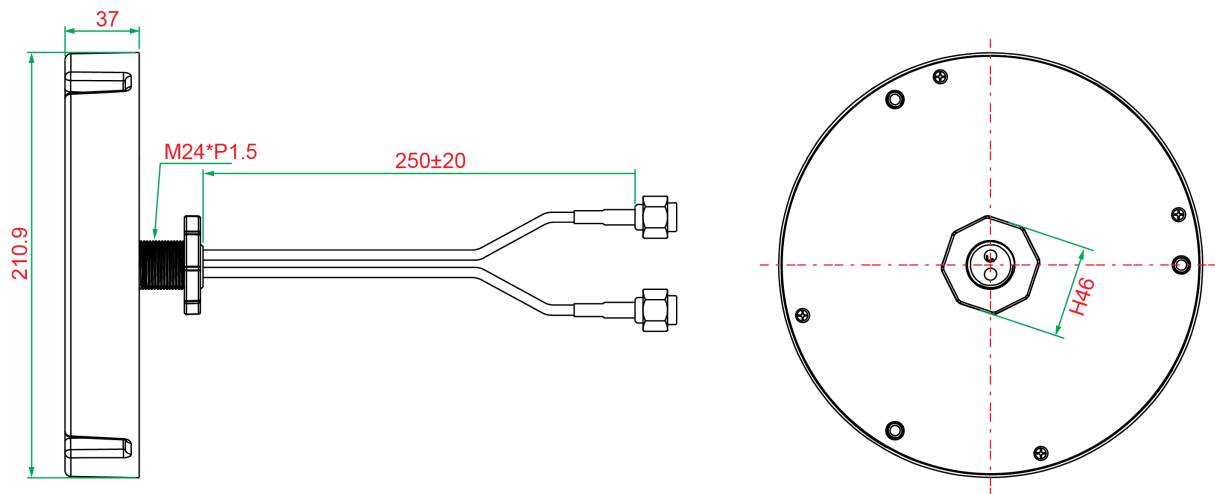
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

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-CA-RM-2-0205	2.4 to 2.5, 4.9 to 5.9 GHz	MIMO 2x2, Omni-directional	2/5 dBi	RP-SMA (male)

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