

料件檢驗報告

Approval Checklist and Report

料 號 Part Number	1710020100310	品 名 Part Name	MAT-WDB-CA-RM-2-0205				
製 造 商 Manufacture Name	Mgear	製造商料號 Manufacture Part Number	C1918-690003-A				
撰寫單位 Department	Moxa IW	撰寫人 Writer	Travy	日 期 Date	2017.06.20	文件版本 Revision	A

料件承認作業確認
Approval Checklist

1. 工作/儲存溫度查核 (五金料件除外) ☒ 已完成 Completed (T_{OP} : -10°C~60°C , T_{STG} : -10°C~70°C) ☐ 其他 Other : _____
Operating/Storage temperature range check(Except metal parts)

2. 製程耐溫查核 (僅 SMD/DIP 料件) ☐ 已完成 Completed (T_P : _____°C / _____Sec)
Processing temperature check (Only SMD/DIP Parts) ☐ 參考附件 Temperature Profile Please refer attached temperature profile : _____
☐ 其他 Other : _____
☐ 符合製程要求 Compliance
☐ 不符合製程要求(需 PE 評估) Non-Compliance of the requirement(Need Process Engineer Assessment)

3. 連接器鍍金厚度查核 ☐ _____μ" (inch) ☐ _____μm (meter)
The thickness check of the gold plate for the contacts of connector

4. MTBF Report ☐ _____H@ _____°C @ _____V or ☐ Failure Rate: _____

5. 零組件機電整合測試報告(符合以下類別的均要提供此測試報告) ☒ Yes ☐ No
Components Mechatronics Test Report(Please provide test reports for component as below categorized items)
1106-LED、1109-Switch、1111-Terminal Block、1115-LCM、1121-Fan、1126-Connector、1701~1711-Cable

6. 可用容量查核 (僅記憶卡/模組、硬碟類料件) ☐ 已完成 Completed (_____Byte)
User Capacity Check (Only Flash Memory Card/Module, Hard Disk)

7. RAM Module 的顆粒廠牌、數量及速度查核 ☐ 已完成 Completed Chip Brand: _____ Number of RAM _____
RAM Module Chip Brand、Number of RAM and Component Config Check Component Config: _____

封裝及包裝說明 Package and Packing Description	
IC 封裝方式 Package :	料件包裝方式 Packing : 紙盒包裝

驗紀錄
Dimension
Checklist

Mechanism size Check/Compare, Unit : mm

項次 Item	圖面位置 Drawing Location	檢驗項目 Inspection Item	實測 1 Inspection Results1	實測 2 Inspection Results2	實測 3 Inspection Results3	實測 4 Inspection Results4
1	A	210.9	210.9			
2	B	37	37			
3	C	250±20	255			
4						
5						

其它
Others

檢驗及其它注意事項 Inspection and others shall be noted



WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)
 DONGGUAN AEON TECH CO.,LTD.(CHINA)
 SUZHOU AEON TECH CO.,LTD.(CHINA)
 AEON TECH (SHANGHAI) CO.,LTD(CHINA)
 DONGGUAN PARNER TECH CO.,LTD.(CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: Moxa

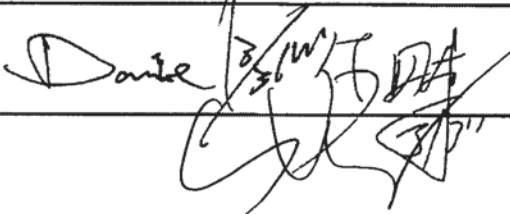
PART NAME: RF Antenna Assembly

PART NO.: 1710020100310

REVISION:

W. Y. P/NO.: C1918-690003-A(RF2017137)

REV.: XI

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :		

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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

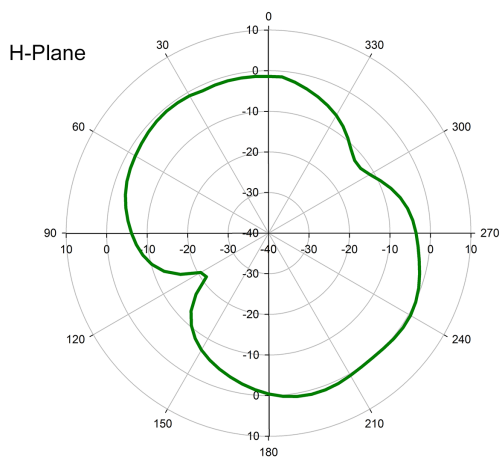
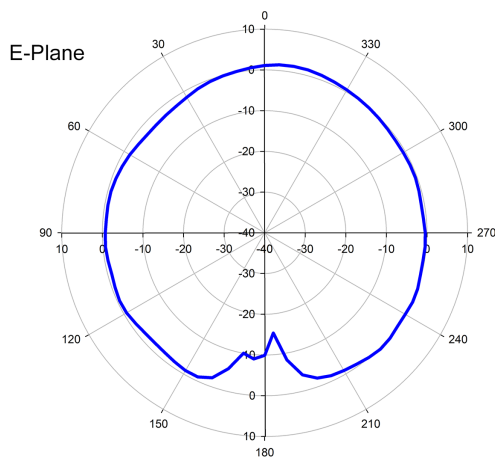
- RP-SMA-type (male) connector
- Lightweight
- Easy to mount on the ceiling
- -40 to 75°C operating temperature range

Introduction

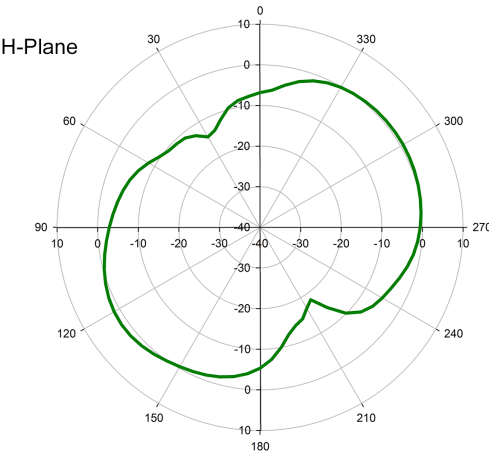
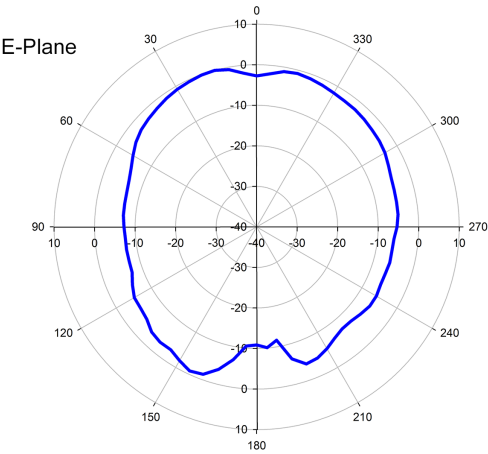
The MAT-WDB-CA-RM-2-0205 antenna is a lightweight MIMO 2x2 dual-band ceiling antenna with a RP-SMA-type (male) connector. The antenna can be used in both the 2.4 GHz and 5 GHz frequencies and is designed to operate in temperatures from -40 to 75°C.

Field Patterns

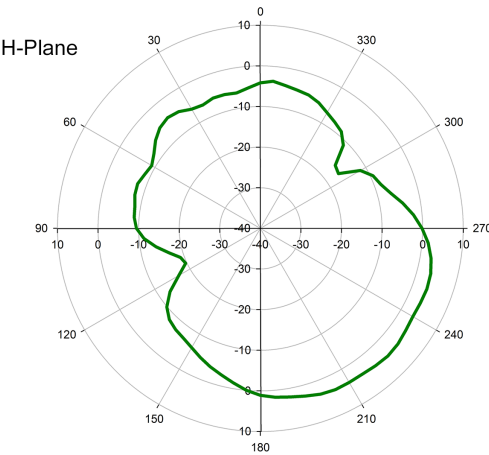
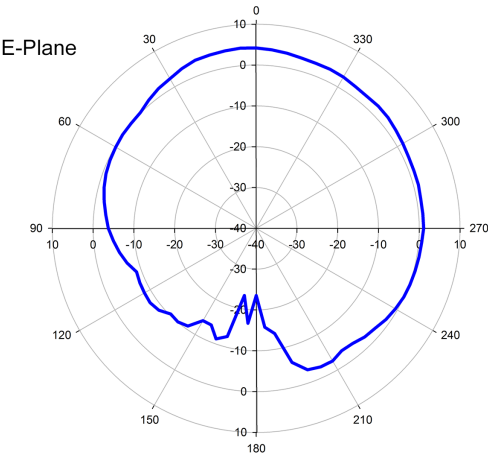
Port 1 Frequency: 2.4 GHz



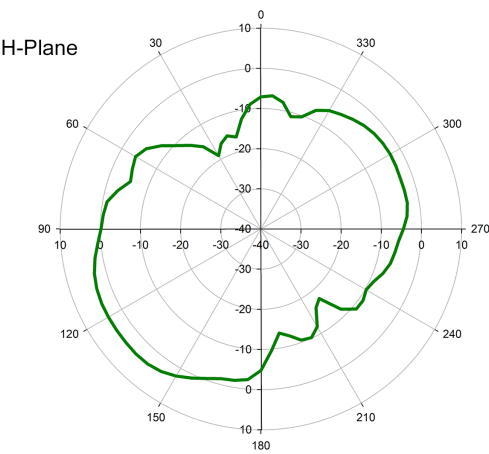
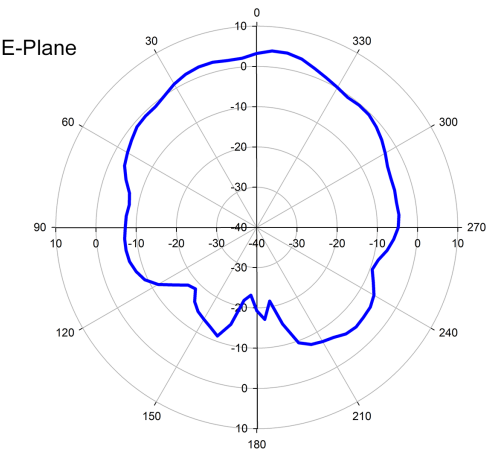
Port 2 Frequency: 2.4 GHz



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

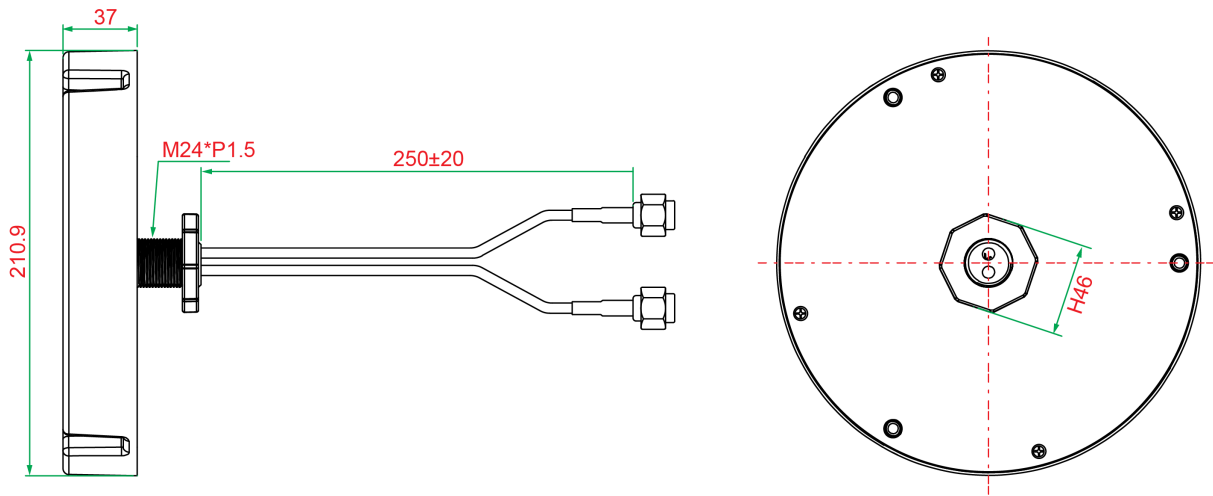
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

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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