

Directional DAS Series

2xMiMo 4G/5G Antenna + 1350-1550MHz

PD698-3800M243



Features & Applications:

- 4G / 5G-FR1 698-3800MHz
- Including 1350-1550MHz band
- 2-Port MiMo
- In-building wall mount
- Directional radiation pattern
- Low PIM and SAR compliant
- Connector 4.3-10-Female as standard
- For N-Female connector use P/N: PD698-3800M2NF

ELECTRICAL SPECIFICATIONS

PD698-3800M243

Frequency range	MHz		698-960	1350-1550	1710-2700	3300-3800
Gain	dBi		6.0±1	8.0±1	9.0±1	9.0±1
Polarization			±90deg V+H			
Beam width	Horizontal	deg	90	75	70	70
	Vertical		75	60	55	55
VSWR			≤2.0	≤1.7	≤1.7	≤1.7
Front-to-back ratio	dB		>15	>15	>15	>15
PIM,3rd order,2x20W	dBc		≤-150			N/A
Max. input power	W		50			
Impedance	Ohm		50			
SAR compliance			Compliant based on whole-body SAR limit RF Exposure calculation (CEI EN 50383)			

MECHANICAL SPECIFICATIONS

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Dimension (W x L x H)		Housing Material	Color	Weight with mounting kit	Mounting Kit	
315 x 195 x 74 mm (12.40 x 7.68 x 2.91 inch)		ABS, UV Protected	White RAL9003	0.8 kg (1.76 lbs)	Wall mount (standard)	
Wireless Technology	No. of Port	Cable Length		Cable Type		Connector Type
4G,5G FR1	2	1Ft (0.3m)		Ø 0.160" low loss SFF-50-3		4.3-10-Female

ENVIRONMENTAL SPECIFICATIONS

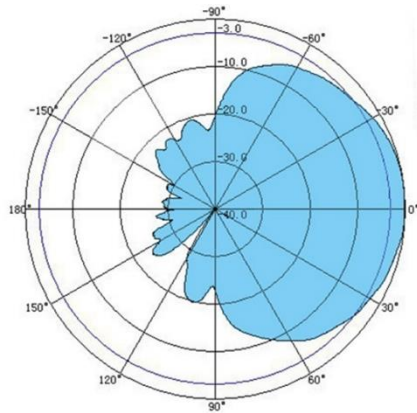
PD698-3800M243

Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection	Warranty
-40 / +60° C	-40 / +60° C	Yes	IP50	2 years

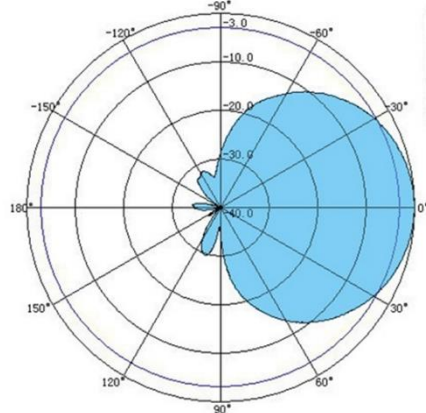
Radiation Pattern –Vertical and Horizontal Plane

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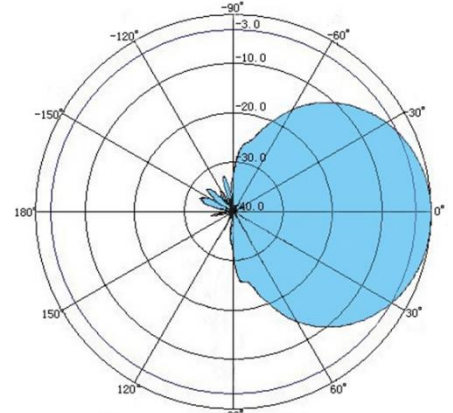
Vertical



698-960MHz

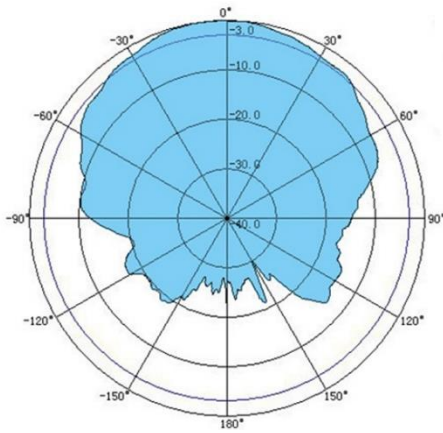


1350-1550MHz

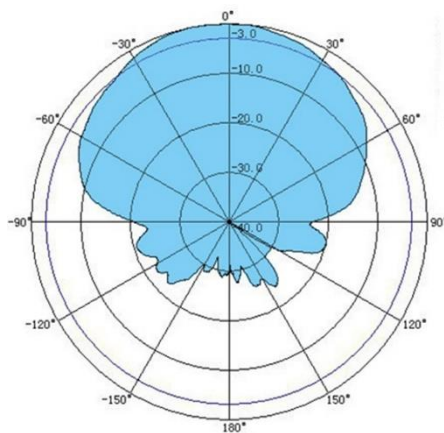


1710-3800MHz

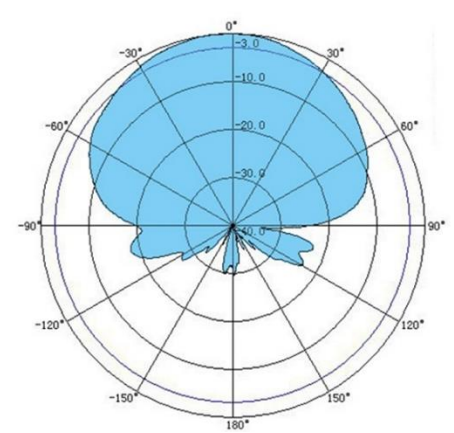
Horizontal



698-960MHz



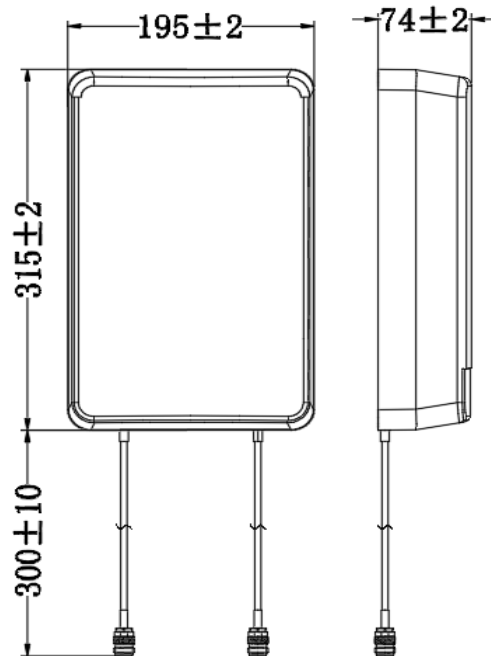
1350-1550MHz



1710-3800MHz

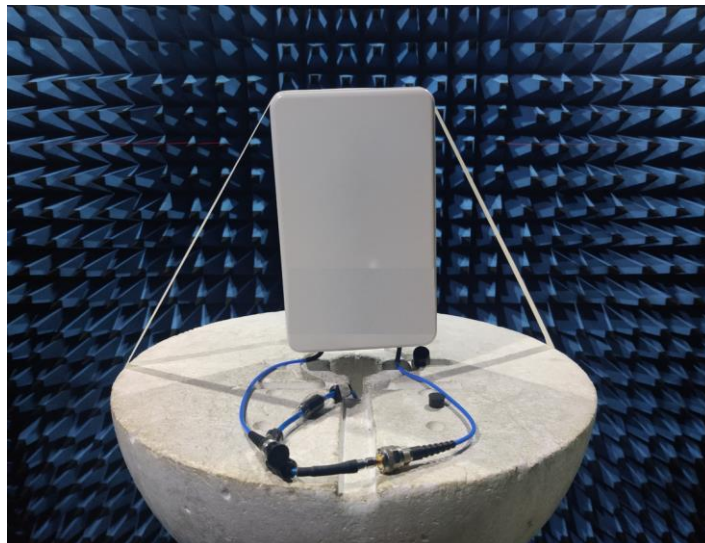
Mechanical Drawing

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Test Setup

General / Chamber Setup



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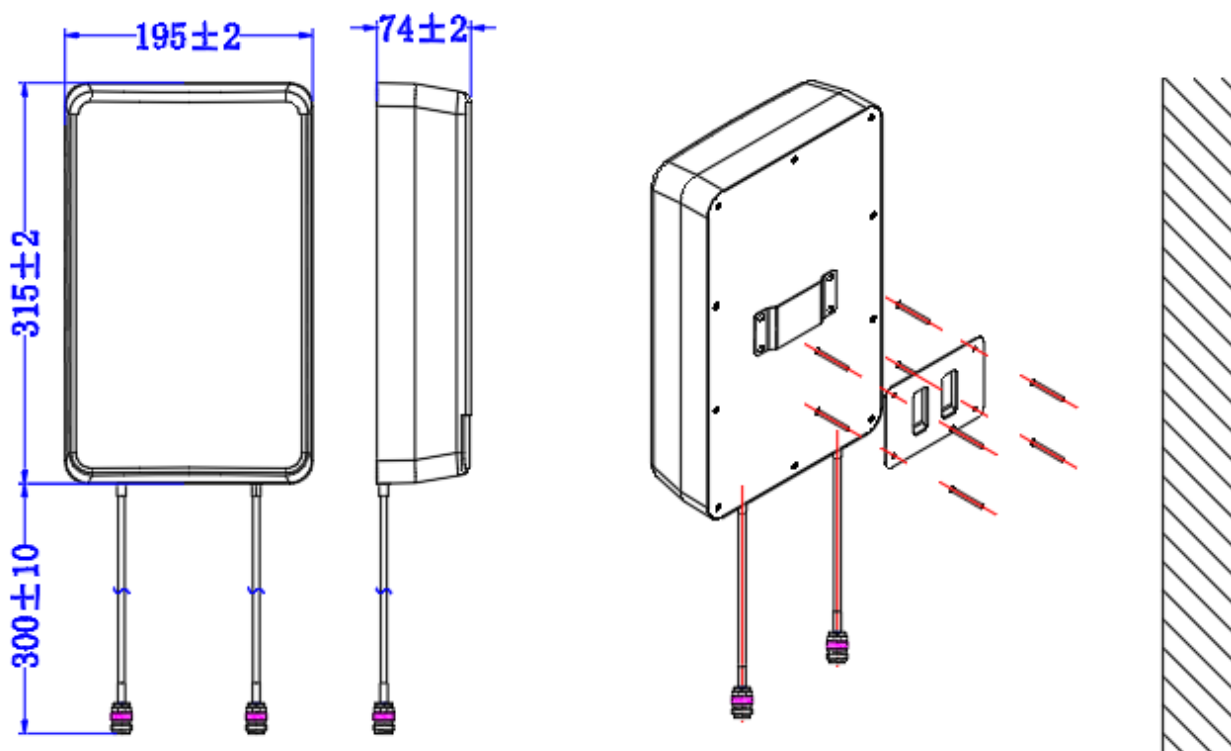
PACKAGING

PD698-3800M243

1. Inner box: 360*220*85mm;
2. Outer box size: 480*460*375mm;
3. 10Pcs/Carton;

Installation instructions

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Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe - antennas.eu@pulseelectronics.com | Asia - antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved. Company address: Pulse Electronics, a YAGEO Company, 15255 Innovation Drive, Suite #100, San Diego, CA 92128.

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