

# Directional DAS Series

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

PD698-3800M2NF



### 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 N-Female as standard
- For 4.3-10 Female version use P/N: PD698-3800M243

### ELECTRICAL SPECIFICATIONS

#### PD698-3800M2NF

|                     |            |     |                                                                                |           |           |           |
|---------------------|------------|-----|--------------------------------------------------------------------------------|-----------|-----------|-----------|
| 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

#### PD698-3800M2NF

|                                                 |                      |                  |                             |                          |  |
|-------------------------------------------------|----------------------|------------------|-----------------------------|--------------------------|--|
| Dimension<br>(W x L x H)                        | Housing<br>Material  | Color            | Weight with<br>mounting kit | Mounting Kit             |  |
| 315 x 195 x 74 mm<br>(12.40 x 7.68 x 2.91 inch) | ABS,<br>UV Protected | White<br>RAL9003 | 0.8 kg<br>(1.76 lbs)        | Wall mount<br>(standard) |  |
| Wireless<br>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  | NF                       |  |

### ENVIRONMENTAL SPECIFICATIONS

#### PD698-3800M2NF

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

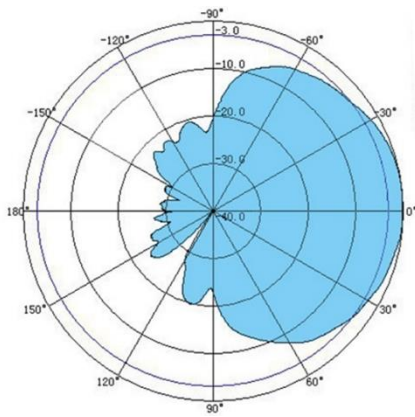
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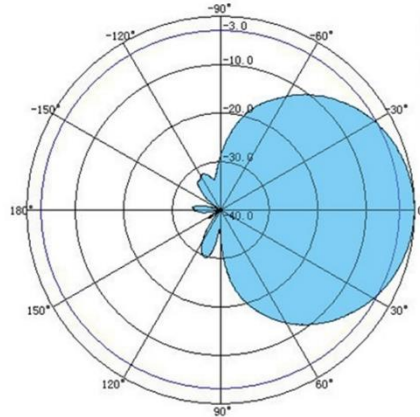
## Radiation Pattern –Vertical and Horizontal Plane

PD698-3800M2NF

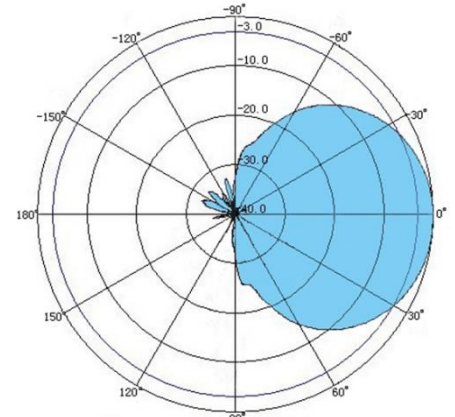
### Vertical



698-960MHz

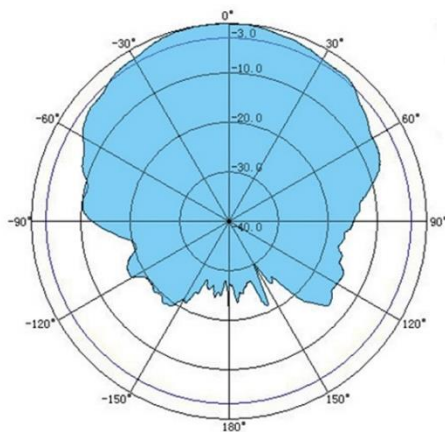


1350-1550MHz

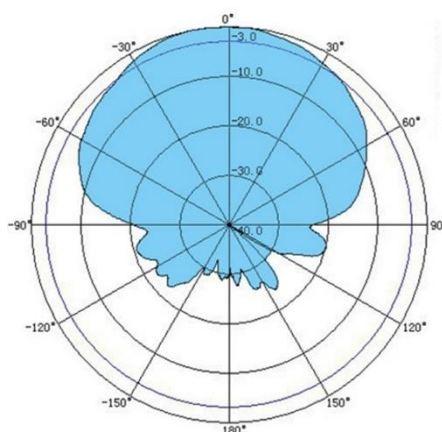


1710-3800MHz

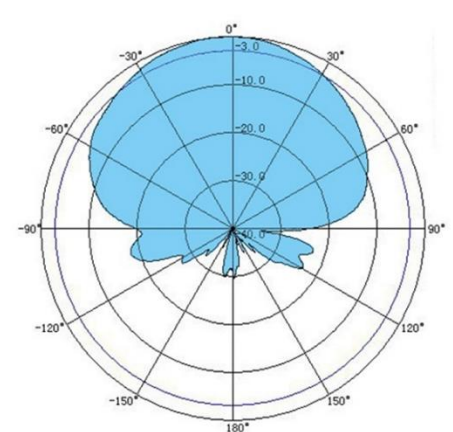
### Horizontal



698-960MHz



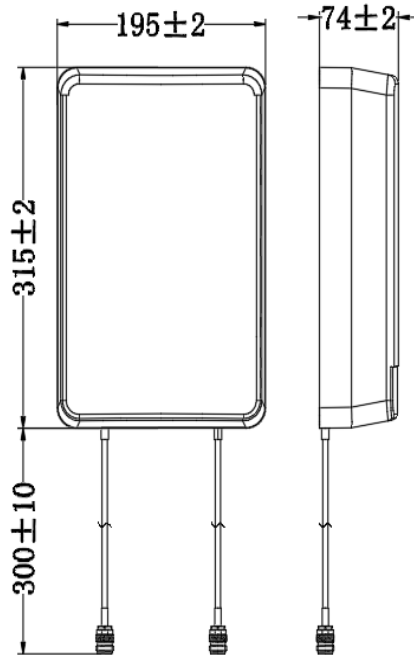
1350-1550MHz



1710-3800MHz

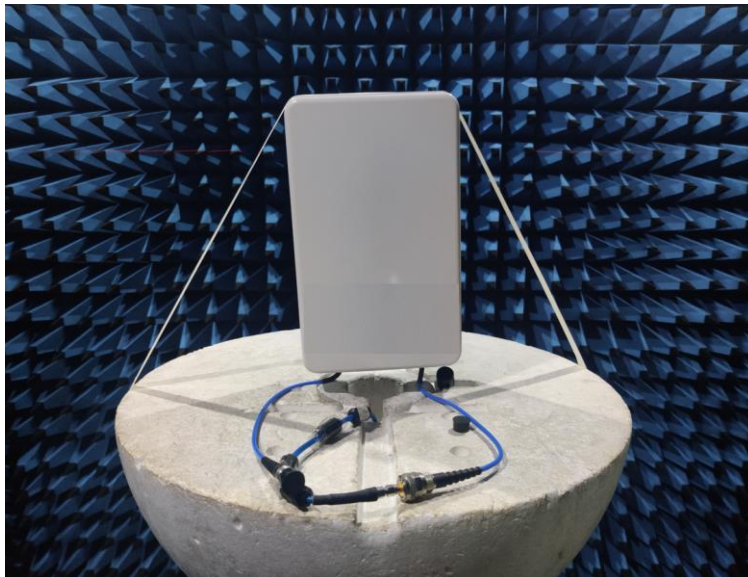
## Mechanical Drawing

PD698-3800M2NF



## Test Setup

General / Chamber Setup



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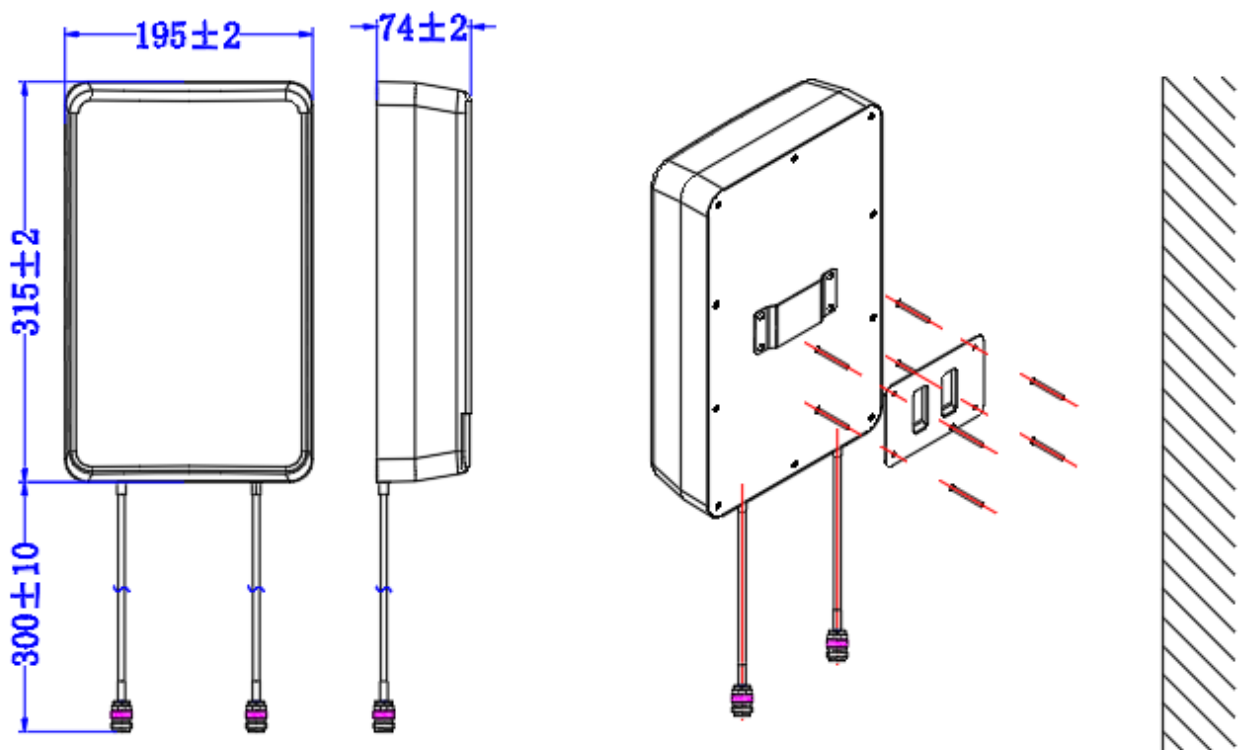
### PACKAGING

#### PD698-3800M2NF

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

### Installation instructions

#### PD698-3800M2NF



#### 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](mailto:antennas.us@pulseelectronics.com) | Europe - [antennas.eu@pulseelectronics.com](mailto:antennas.eu@pulseelectronics.com) | Asia - [antennas.as@pulseelectronics.com](mailto:antennas.as@pulseelectronics.com) | Questions? +1-800-ANTENNA  
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