

# Directional DAS Series

## 4-port 2xMiMo 4G/5G Antenna

PD617-6000M443



### Features & Applications:

- 4G / 5G-FR1 617-6000MHz
- 2-Port MiMo Low/mid -bands 617-960 / 1695-2700MHz
- 2-Port MiMo High -bands 3300-4000 / 4800-6000MHz
- 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: PD617-6000M4NF

### ELECTRICAL SPECIFICATIONS

#### PD617-6000M443

|                     |            | LB 2-ports                                                                     |           | HB 2-ports |           |
|---------------------|------------|--------------------------------------------------------------------------------|-----------|------------|-----------|
| Frequency range     | MHz        | 617-960                                                                        | 1695-2700 | 3300-4000  | 4800-6000 |
| Gain                | dBi        | 6.5±1                                                                          | 7.0±1     | 10.5±1     | 10.5±1    |
| Polarization        |            | +/-45deg slant                                                                 |           |            |           |
| Beam width          | Horizontal | 80                                                                             | 75        | 60         | 60        |
|                     | Vertical   | 70                                                                             | 60        | 35         | 35        |
| VSWR                |            | ≤1.7                                                                           | ≤1.5      | ≤1.7       | ≤1.7      |
| Front-to-back ratio | dB         | 15                                                                             | 20        | 25         | 20        |
| Isolation           | dB         | >20                                                                            | >23       | >23        | >23       |
| PIM,3rd order,2x20W | dBc        | ≤-153                                                                          |           |            | N/A       |
| Max. input power    | W          | 100                                                                            |           |            |           |
| Impedance           | Ohm        | 50                                                                             |           |            |           |
| SAR compliance      |            | Compliant based on whole-body SAR limit RF Exposure calculation (CEI EN 50383) |           |            |           |

### MECHANICAL SPECIFICATIONS

#### PD617-6000M443

| Dimension (W x L x H)                            | Housing Material     | Color            | Weight with mounting kit | Mounting Kit             |  |
|--------------------------------------------------|----------------------|------------------|--------------------------|--------------------------|--|
| 308 x 420 x 82 mm<br>(12.13 x 16.54 x 3.23 inch) | ABS,<br>UV Protected | White<br>RAL9003 | 1.6 kg<br>(3.527 lbs)    | Wall mount<br>(standard) |  |
| Wireless Technology                              | No. of Port          | Cable Length     | Cable Type               | Connector Type           |  |
| 4G,5G FR1                                        | 4                    | 1Ft (0.3m)       | Ø 0.160" low loss        | 4.3-10-Female            |  |

### ENVIRONMENTAL SPECIFICATIONS

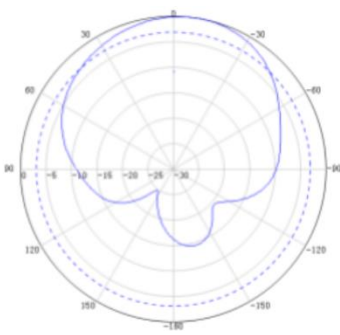
#### PD617-6000M443

| Operating Temperature | Storage Temperature | RoHS Compliant | Ingress Protection | Warranty |
|-----------------------|---------------------|----------------|--------------------|----------|
| -55 / +60° C          | -55 / +60° C        | Yes            | IP50               | 2 years  |

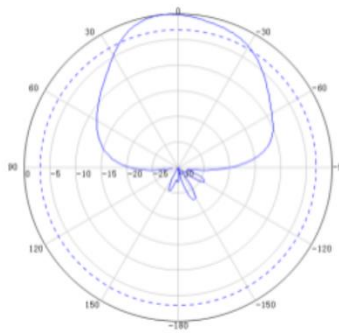
## Radiation Pattern –Vertical and Horizontal Plane

PD617-6000M443

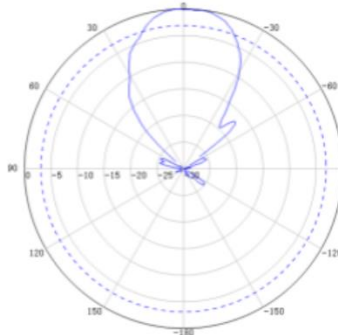
### Vertical



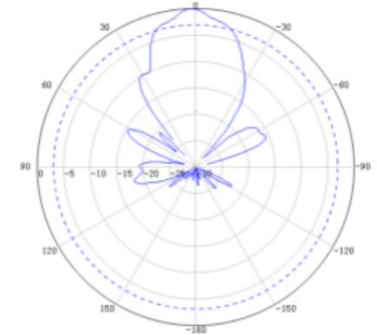
800MHz



1800MHz

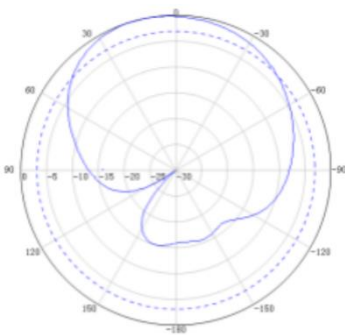


3500MHz

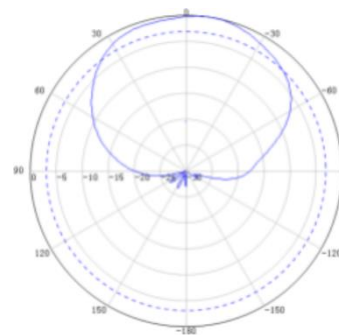


5300MHz

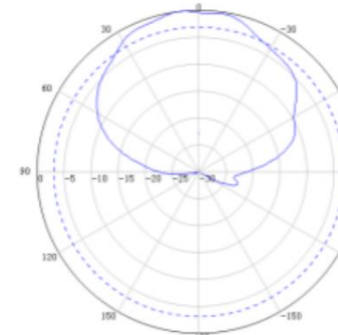
### Horizontal



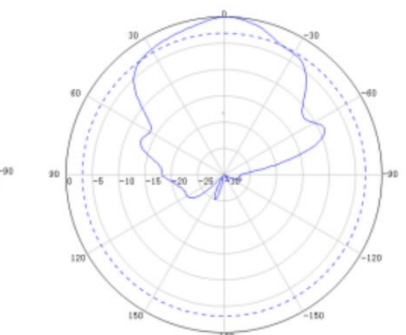
800MHz



1800MHz



3500MHz



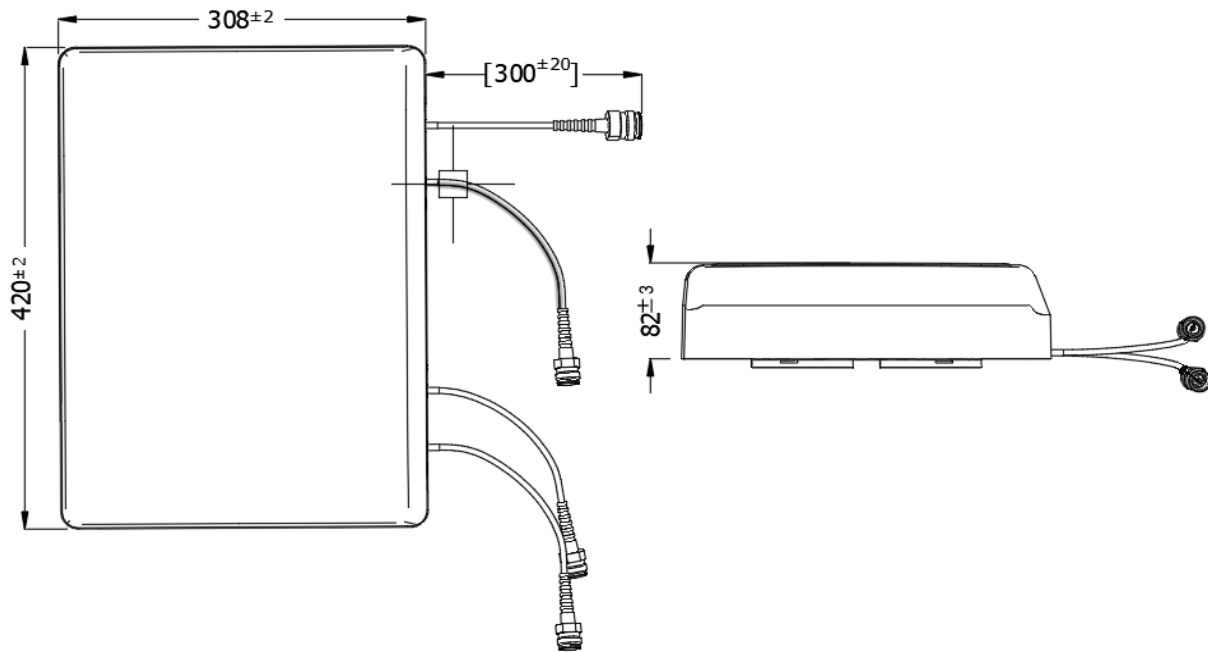
5300MHz

# Directional DAS Series 4-port 2xMiMo 4G/5G Antenna

PD617-6000M443

## Mechanical Drawing

PD617-6000M443



## Test Setup – Port naming

General / Chamber Setup



# Directional DAS Series

## 4-port 2xMiMo 4G/5G Antenna

PD617-6000M443

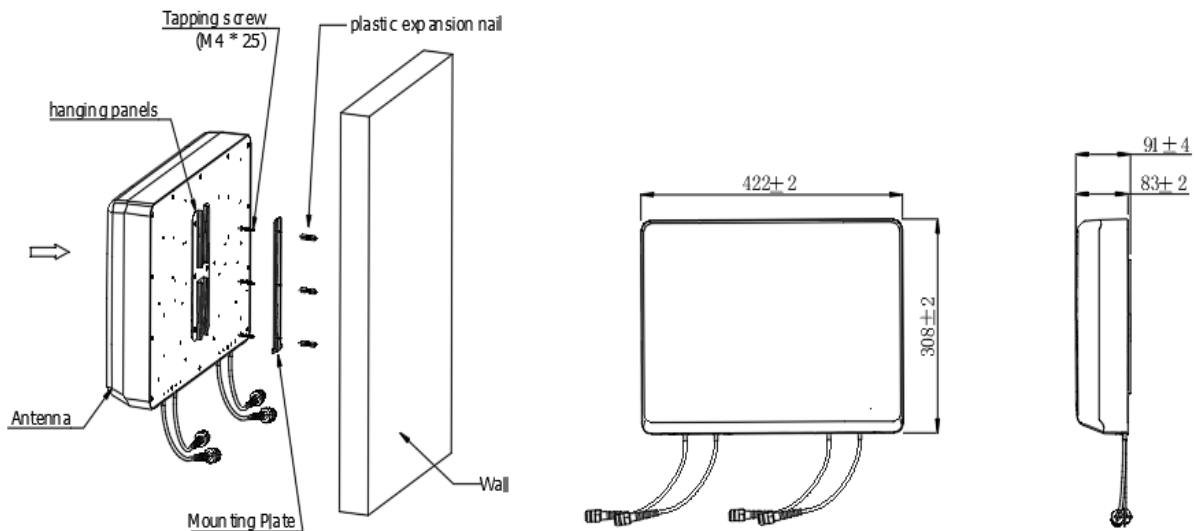
### PACKAGING

#### PD617-6000M443

1. Inner box: 475\*415\*155mm;
2. Outer box size: 815\*485\*450mm;
3. 5Pcs/Carton;

### Installation instructions

#### PD617-6000M443



- ① Make four (M6\*25) holes in the wall.
- ② Put the plastic expansion nail into the hole.
- ③ Attach the mounting plate to the wall with self-tapping screws (M4 \* 25) and tighten.
- ④ Buckle the antenna back plate onto the wall mounting plate.

#### 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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