

# 5G Paddle Dipole Antenna

## FEATURES



- Enhanced hinge structure for vibration environs
- Dipole Antenna, Ground Plane Independent
- Wide band Antenna
- 698-2690 MHz Sub 6GHz Bands
- 2.8 dBi 5G NR Peak Gain
- Can be rotated horizontally (180°) or vertically (90°), suitable for compact space multi-antenna installation



The MyAntenna M02-0100010R0A range of antennas are designed to decrease the lifetime cost of M2M and mobile device installations by offering a robust, effective antenna that is easy to install and lasts the lifetime of the installation without the need for maintenance.

The antenna offers ground-plane independent Omni-directional performance across global cellular and LTE bands making it a versatile solution for any number of applications. The efficient element design ensures a high first time connection rate and an ongoing, robust communications link even in problematic coverage areas.

## PRODUCTS

| Part No.       | Weight | Dimensions (L x W x H) | Connector | Color | Note     |
|----------------|--------|------------------------|-----------|-------|----------|
| M02-0100010R0A | 66g    | 221.7* 58* 7.6 mm      | SMA-Male  | Black | In-Stock |
| M02-0100070R0A | 66g    | 221.7* 58* 7.6 mm      | SMA-Male  | Black | Pre-Sale |

## SPECIFICATIONS

| PARAMETER                          | SPECIFICATION           |           |           |
|------------------------------------|-------------------------|-----------|-----------|
| Frequency Bands, MHz               | 698-960                 | 1710-2690 | 5150-5850 |
| VSWR (Max)                         | 3.0:1                   | 3.0:1     | 3.0:1     |
| Peak Gain, dBi (Typ)               | Up to 5.0               |           |           |
| Nominal Impedance                  | 50 Ω                    |           |           |
| Max Power (ambient temp of 25°C)   | 10 Watts                |           |           |
| Azimuth Beam Width (deg)           | Omnidirectional         |           |           |
| Polarization                       | Linear, Omnidirectional |           |           |
| Radome                             | PC, Black               |           |           |
| Storage Temperature Range (°C)     | -40° C to +85° C        |           |           |
| Operational Temperature Range (°C) | -30° C to +80° C        |           |           |
| Material Substance Compliance      | REACH/RoHS Compliant    |           |           |
| HSCODE                             | 8517707090              |           |           |
| USHSCODE                           | 8517620010              |           |           |
| UPC                                |                         |           |           |

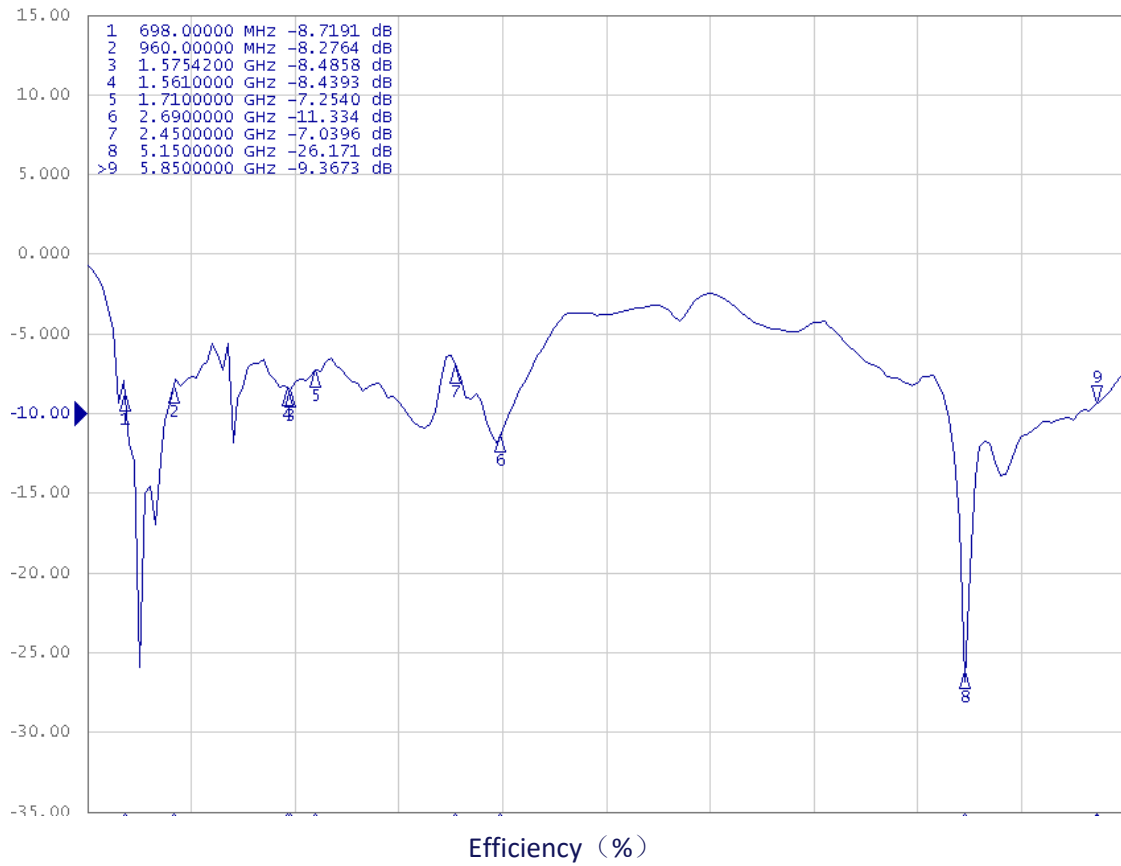
MyAntenna RF Technology Co., Ltd

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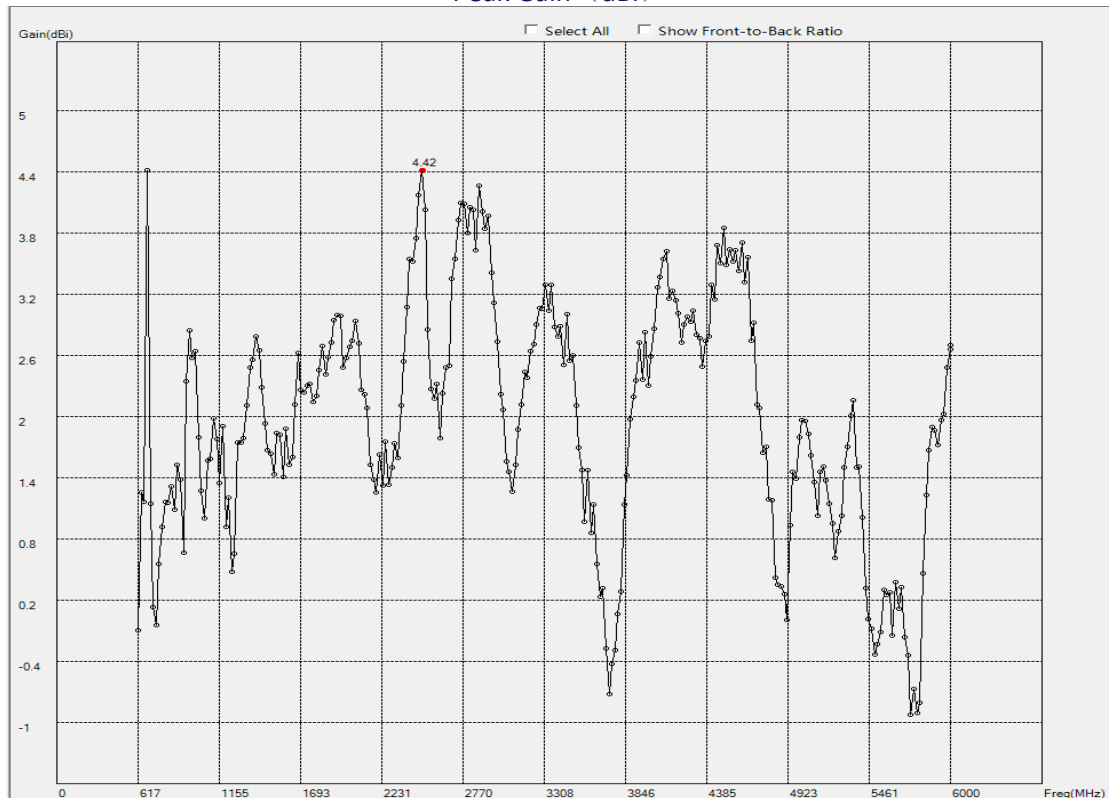
**ELECTRICAL DATA**

Return Loss





Peak Gain (dBi)



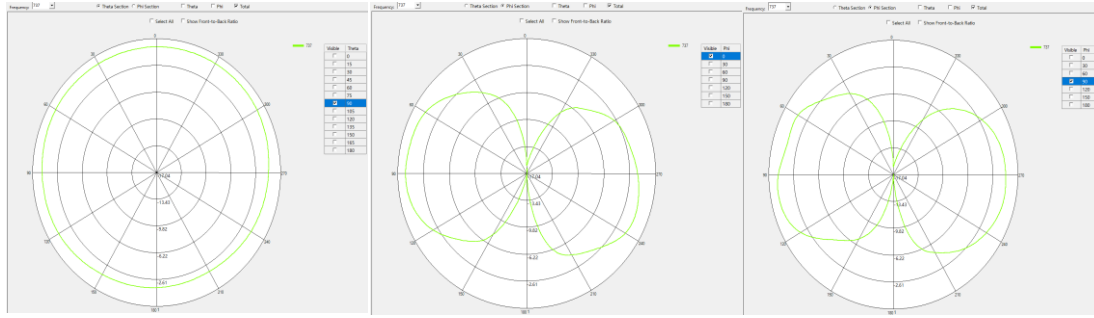
## RADIATION PATTERNS

### 2D Radiation Pattern at 737MHz

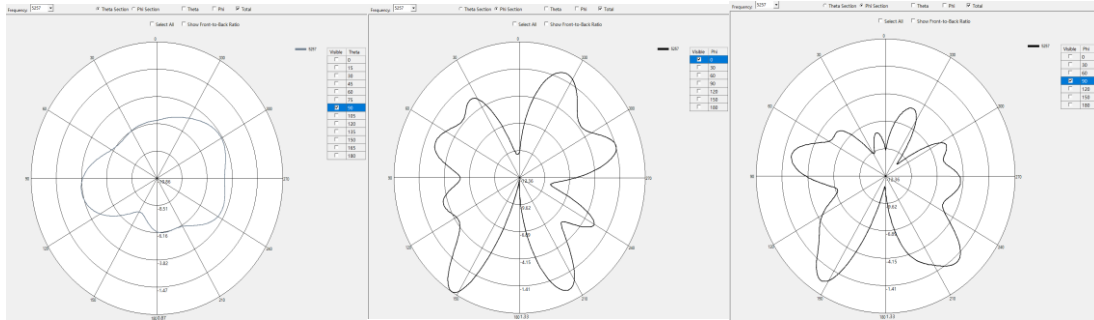
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2D Radiation Pattern at 2210MHz



## HOUSING CONFIGURATIONS

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