

# WIFI 7 Small Rod Antenna

## FEATURES



- Mini WIFI 7 PCB Antenna



The MyAntenna AEWW009 range of antennas are designed to decrease the life time 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.

## PRODUCTS

| Part No. | Weight | Dimensions (L x W x H) | Connector | Color |
|----------|--------|------------------------|-----------|-------|
| AEWW009  | 12.2g  | Φ13*134mm              | SMA MALE  | Black |

## SPECIFICATIONS

| PARAMETER                          | SPECIFICATION                         |           |
|------------------------------------|---------------------------------------|-----------|
| Frequency Bands, MHz               | 2400-2500                             | 5100-7000 |
| VSWR (Max)                         | 3.0:1                                 | 3.0:1     |
| Peak Gain, dBi (Typ)               | Up to 2.35@2500MHz/Up to 1.66@5580MHz |           |
| Nominal Impedance                  | 50 Ω                                  |           |
| Max Power (ambient temp of 25°C)   | 10 Watts                              |           |
| Azimuth Beam Width (deg)           | Omnidirectional                       |           |
| Polarization                       | Linear                                |           |
| 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                                |                                       |           |

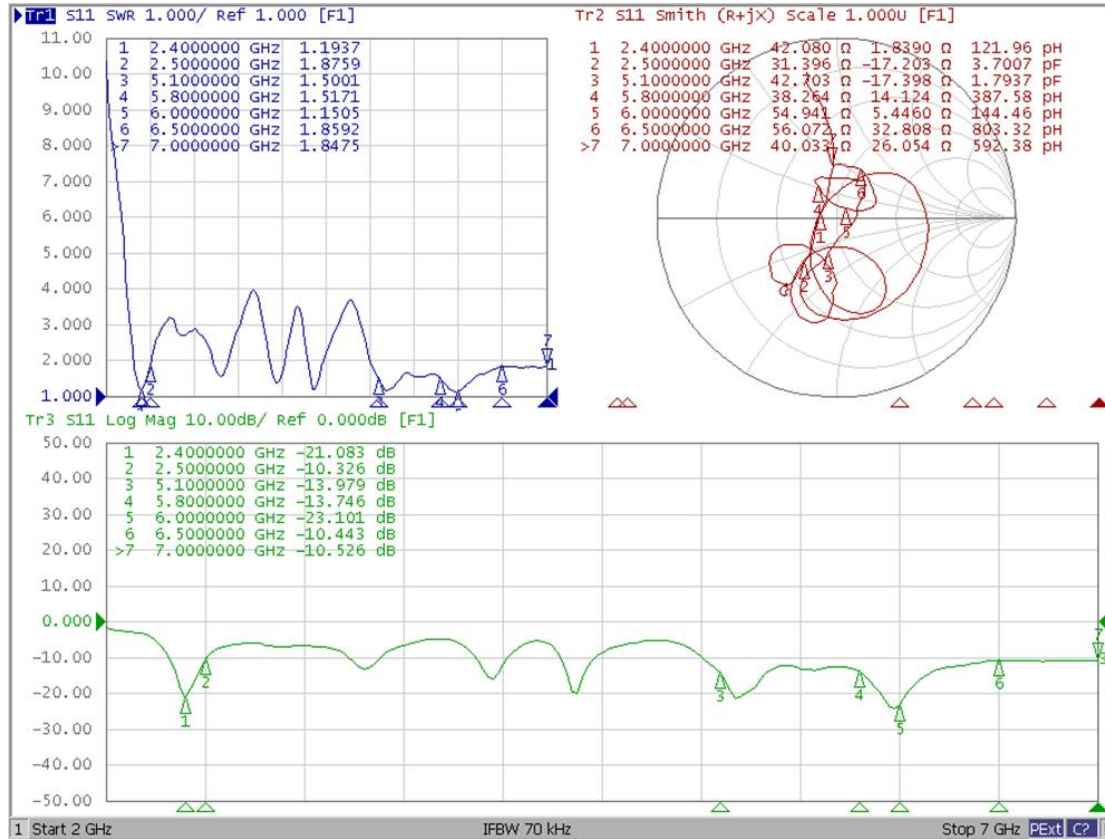
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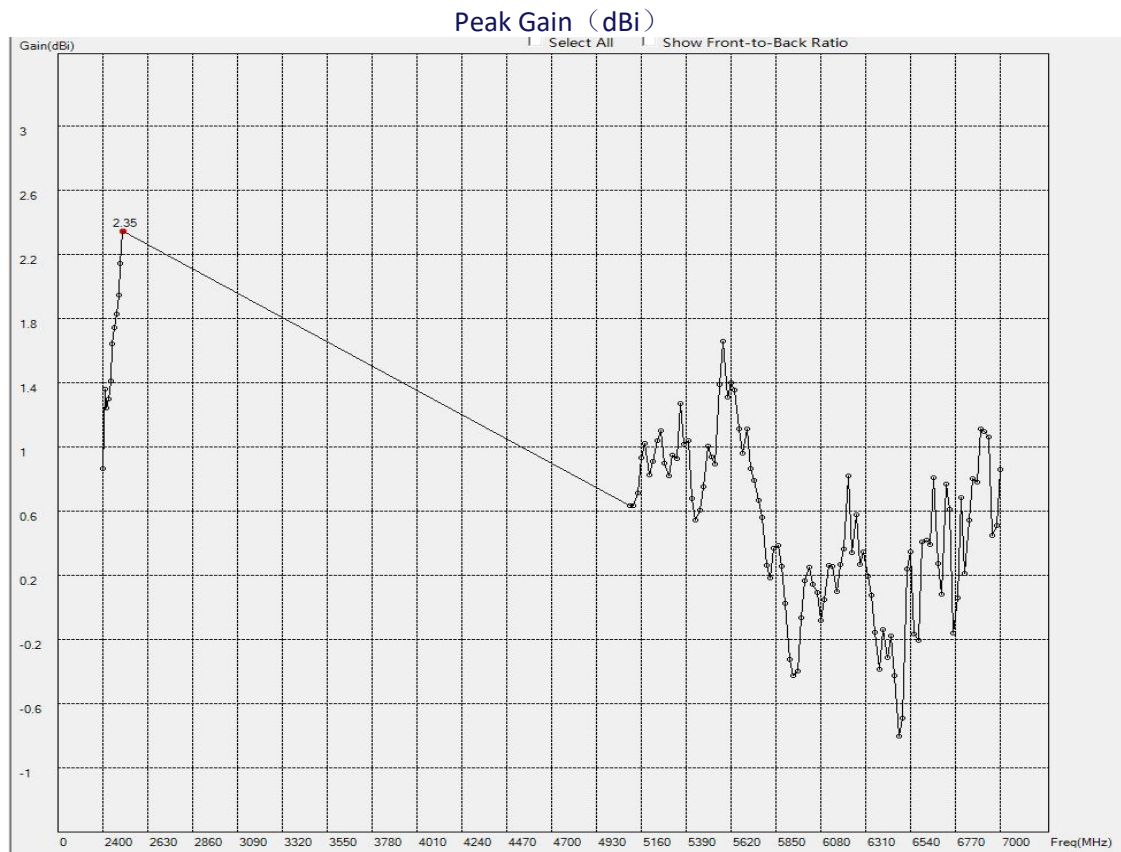
## ELECTRICAL DATA

### Return Loss



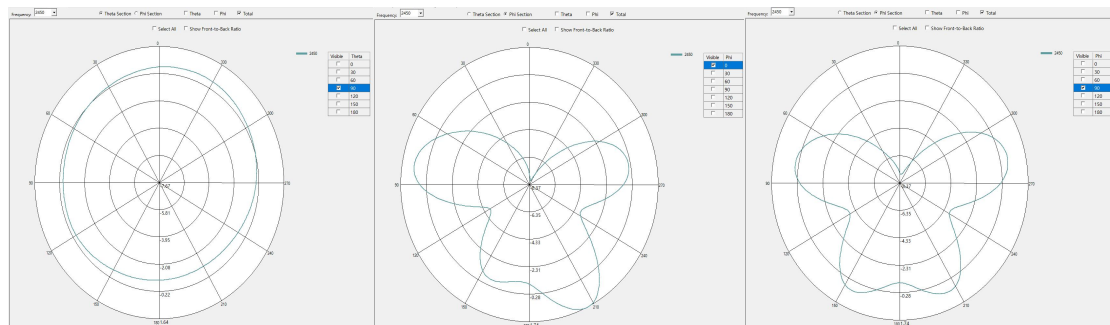
### Efficiency (%)



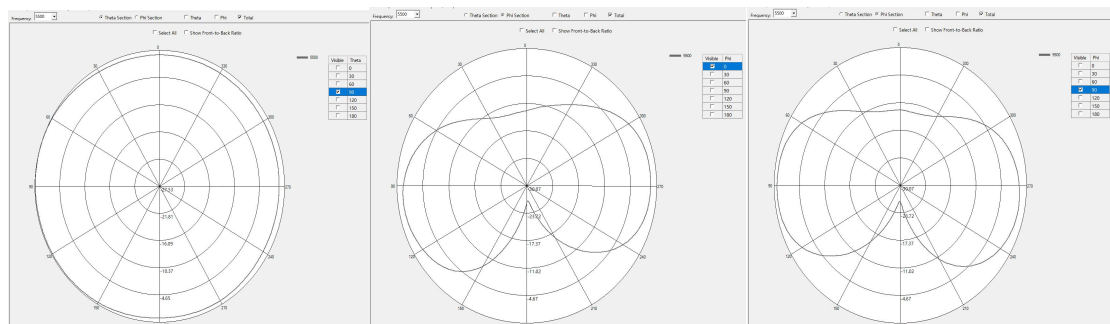


## RADIATION PATTERNS

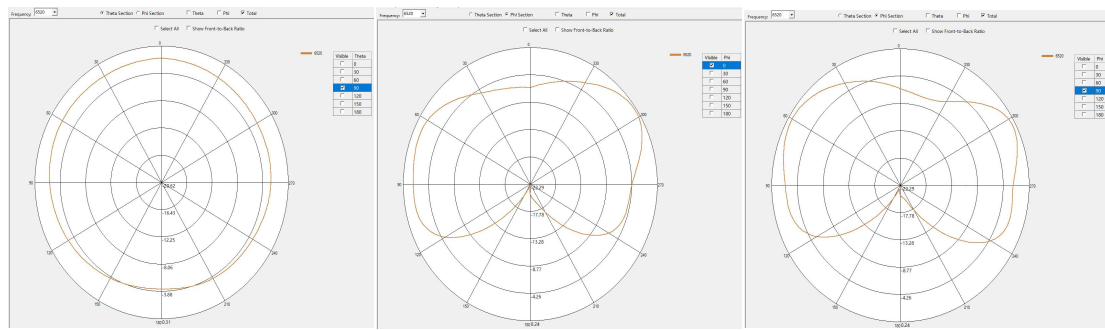
### 2D Radiation Pattern at 2450MHz



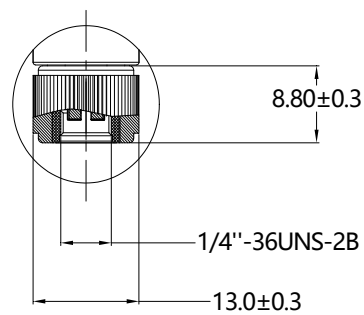
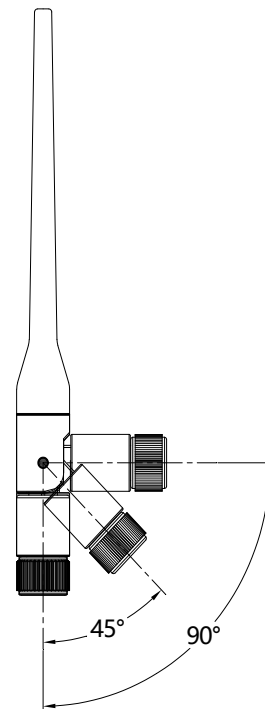
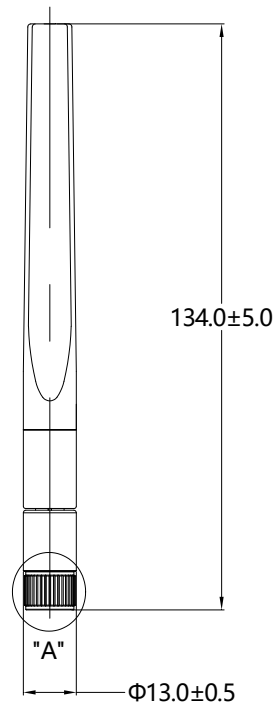
### 2D Radiation Pattern at 5500MHz



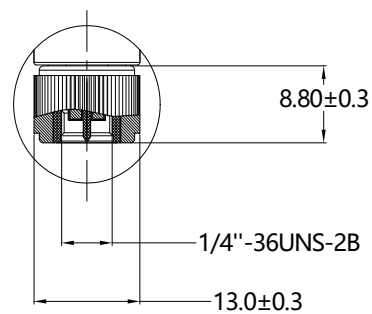
## 2D Radiation Pattern at 6420MHz



## HOUSING CONFIGURATIONS



RP-SMA MALE A  
SCALE 2:1



SMA MACHO A  
SCALE 2:1