

## 2J2202B-B07H

2.4/5.0 GHZ ISM Wall Mount

### Key Features

#### 2.4/5.0 GHz ISM

- 2410-2490 MHz
- 4920-5925 MHz

Wall Mount

Ground Plane Independent

Customized Cable and Connector

Dimensions 187 × 30 × 115 (135 × Ø 16) mm

Certificates: IP67



## 1. Antenna and electrical specifications

| Parameters           | 2.4/5.0 GHz ISM Antenna                 |           |
|----------------------|-----------------------------------------|-----------|
| Standards            | WiFi, BT, ZigBee, ISM                   |           |
| Band (MHz)           | 2.4 GHz                                 | 5.0 GHz   |
| Frequency (MHz)      | 2410-2490                               | 4920-5925 |
| Return Loss (dB)     | ~20.3                                   | ~17.1     |
| VSWR                 | ~1.3:1                                  | ~1.4:1    |
| Efficiency (%)       | ~62.6                                   | ~47.0     |
| Peak Gain (dBi)      | ~2.5                                    | ~1.5      |
| Average Gain (dB)    | ~-2.0                                   | ~-3.3     |
| Impedance (Ohm)      | 50                                      |           |
| Polarisation         | Linear                                  |           |
| Radiation Pattern    | Omni-Directional                        |           |
| Max. Input Power (W) | 25                                      |           |
| Connector Type       | Most RF Connectors (SMA-Male Standard)  |           |
| Cable Length         | Any Cable Length (300cm Standard)       |           |
| Cable Type           | Other Cables Available (LL100 Standard) |           |

### Antenna Measurement Conditions:

Free Space

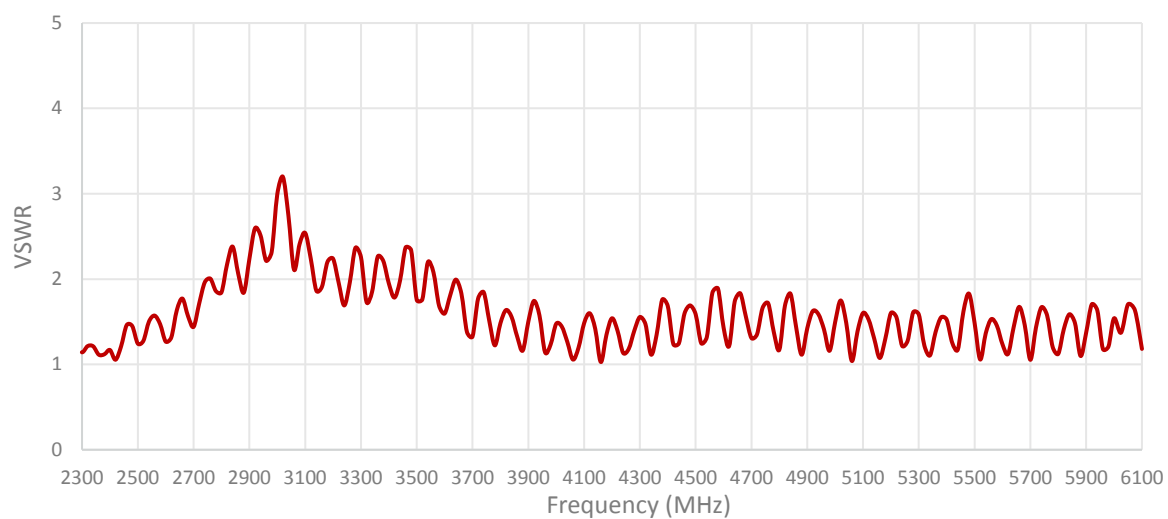
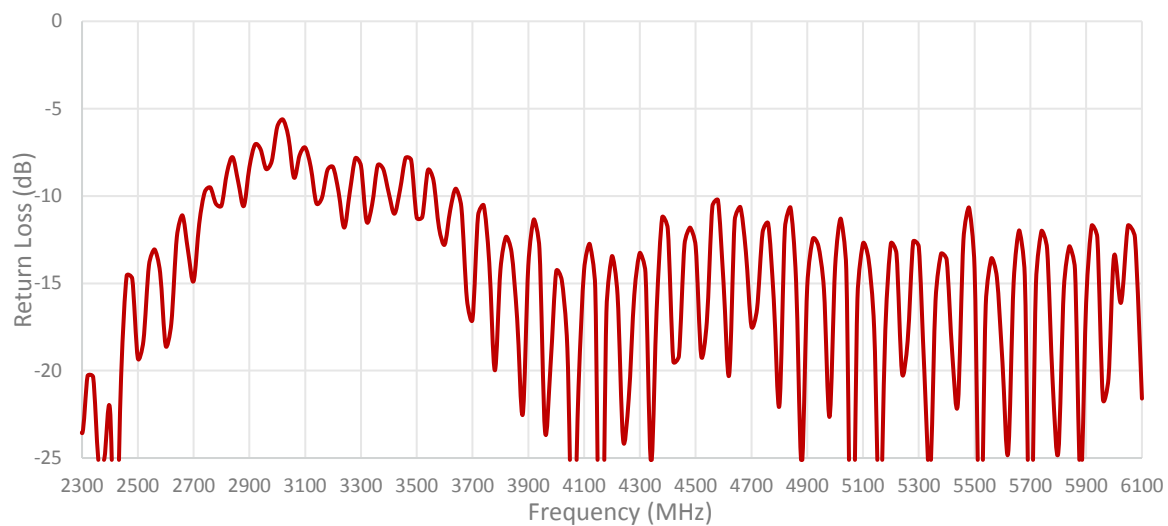
100 cm LL100

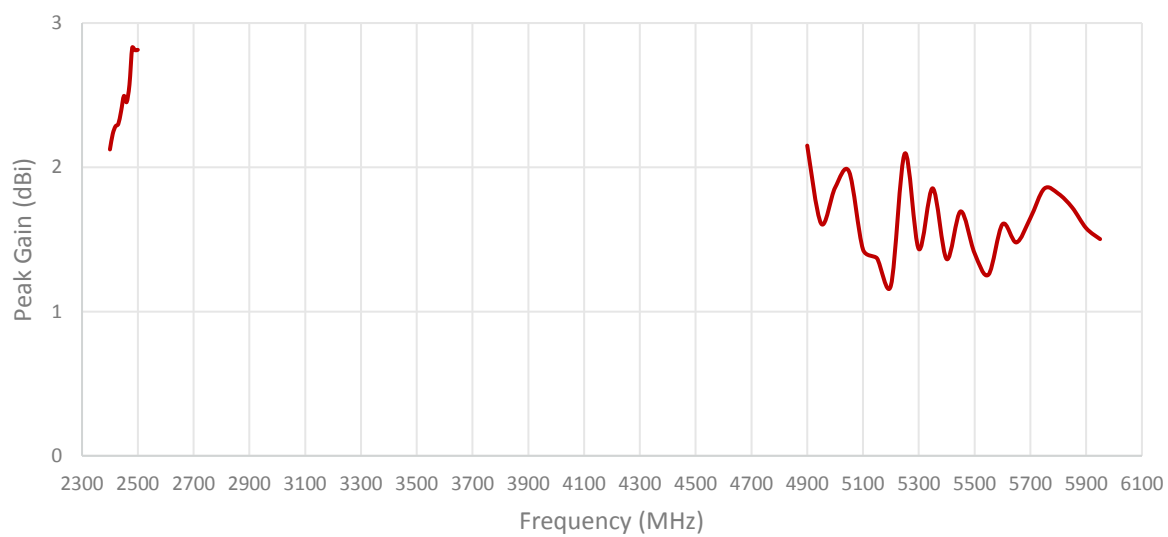
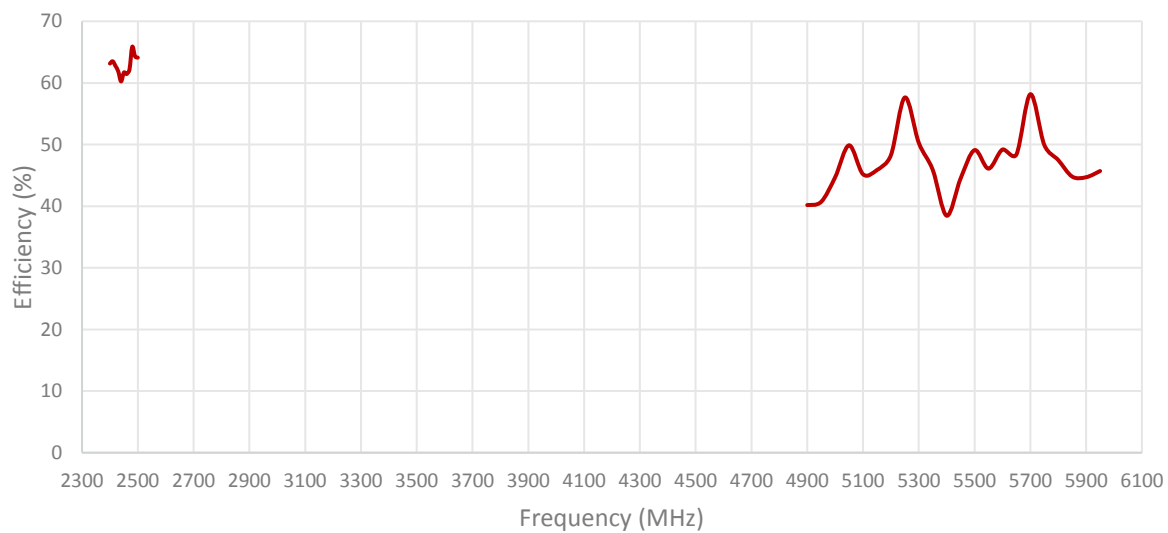
Measured in Certified CTIA 3D Anechoic Chamber

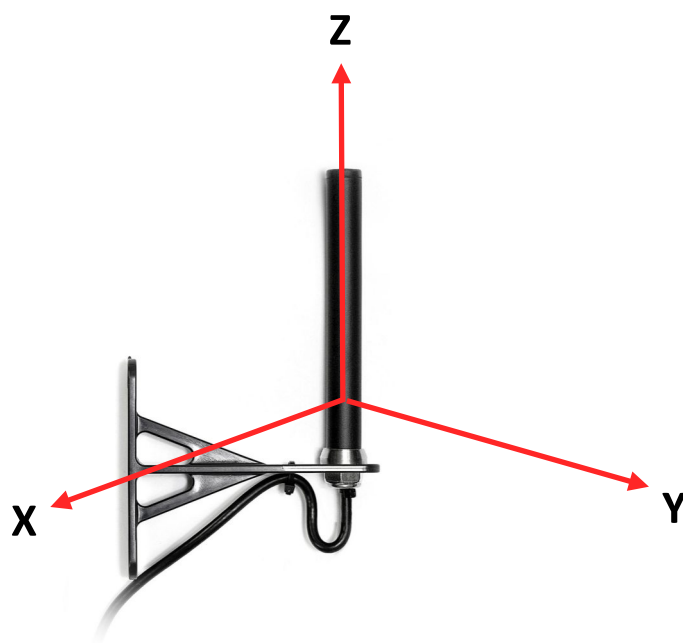
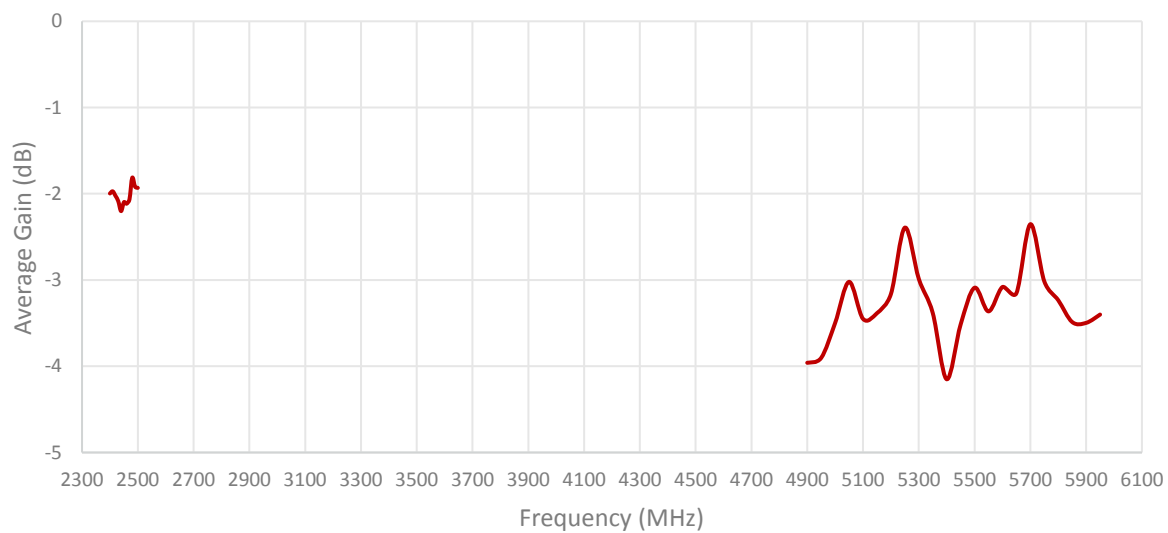
## 2. Mechanical and environmental specifications

| Specifications            | 2J2202B-B07H                   |
|---------------------------|--------------------------------|
| Mounting Type             | Wall Mount                     |
| Dimensions (mm)           | 187 × 30 × 115 (135 × Ø 16) mm |
| Radome                    | ASA                            |
| Radome color              | Black                          |
| Antenna Base              | Brass                          |
| Bracket                   | ASA                            |
| Operating Temperature (C) | -40 to +85                     |
| Storage Temperature (C)   | -40 to +85                     |
| Substance Compliance      | RoHS                           |
| Certificates              | IP67                           |

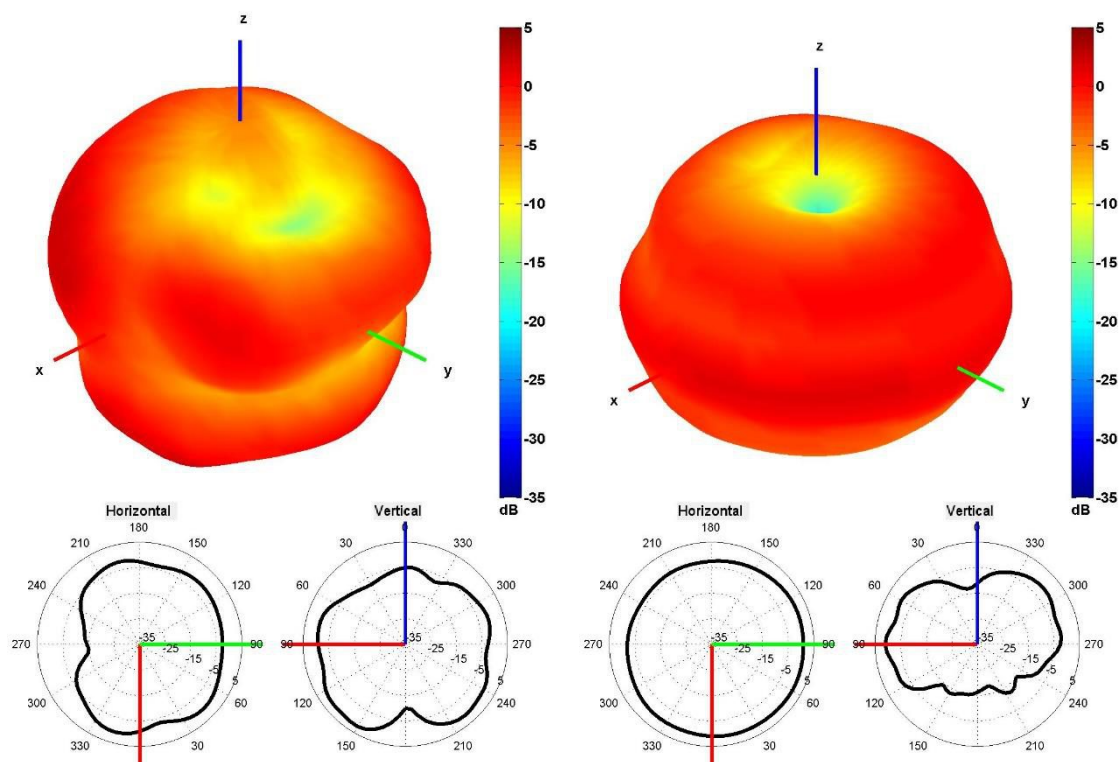
### 3. Antenna parameters





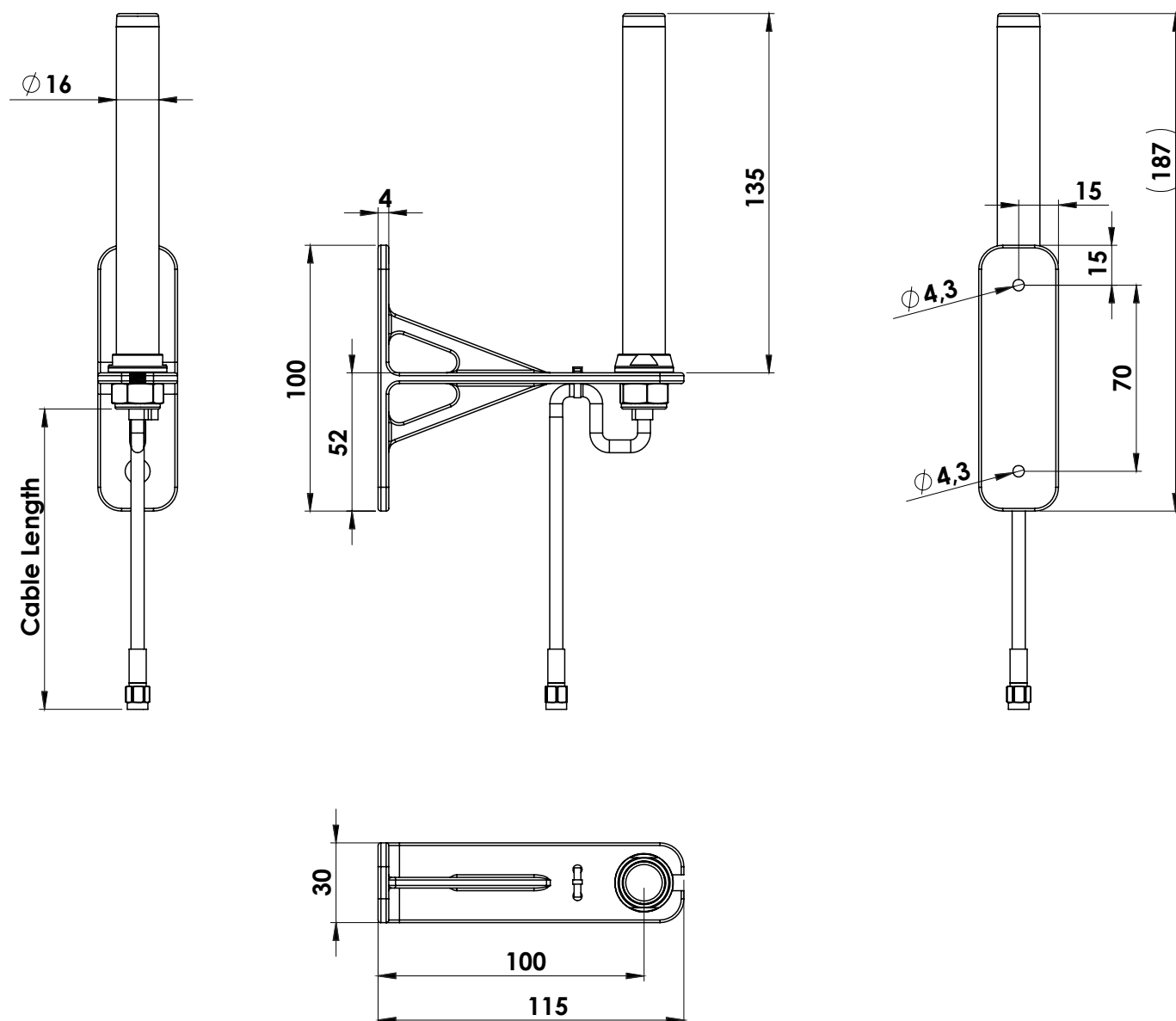


Radiation pattern reference



2450 and 5500 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

