

# 2J6602B

## 2.4/5.0 GHz ISM Screw Mount

### Key Features

#### 2.4/5.0 GHz ISM

- 2410-2490 MHz
- 4920-5925 MHz

Screw Mount

Low Profile

Anti-Rotation Mechanism

Ground Plane Independent

Customizable Cable and Connector

Dimensions  $\varnothing 77.3 \times 15$  mm

Certificates: IP67, IP69K



## 1. Antenna and electrical specifications

Parameters	2.4/5.0 GHz ISM Antenna	
<b>Standards</b>	WiFi, BT, ZigBee, ISM	
<b>Band (MHz)</b>	2.4 GHz	5.0 GHz
<b>Frequency (MHz)</b>	2410-2490	4920-5925
<b>Return Loss (dB)</b>	~-14.3	~-14.2
<b>VSWR</b>	~1.5:1	~1.5:1
<b>Efficiency (%)</b>	~48.7	~29.2
<b>Peak Gain (dBi)</b>	~4.9	~4.5
<b>Average Gain (dB)</b>	~-3.1	~-5.4
<b>Impedance (Ohm)</b>	50	
<b>Polarisation</b>	Linear	
<b>Radiation Pattern</b>	Omni-Directional	
<b>Max. Input Power (W)</b>	25	
<b>Connector Type</b>	RP-SMA-Male Standard (Other Connectors Available)	
<b>Cable Length</b>	300 cm Standard (Any Cable Length Available)	
<b>Cable Type</b>	DACAR302 Standard (Other Cables Available)	

### Antenna Measurement Conditions:

Mounted on Ground Plane of 30x30 cm

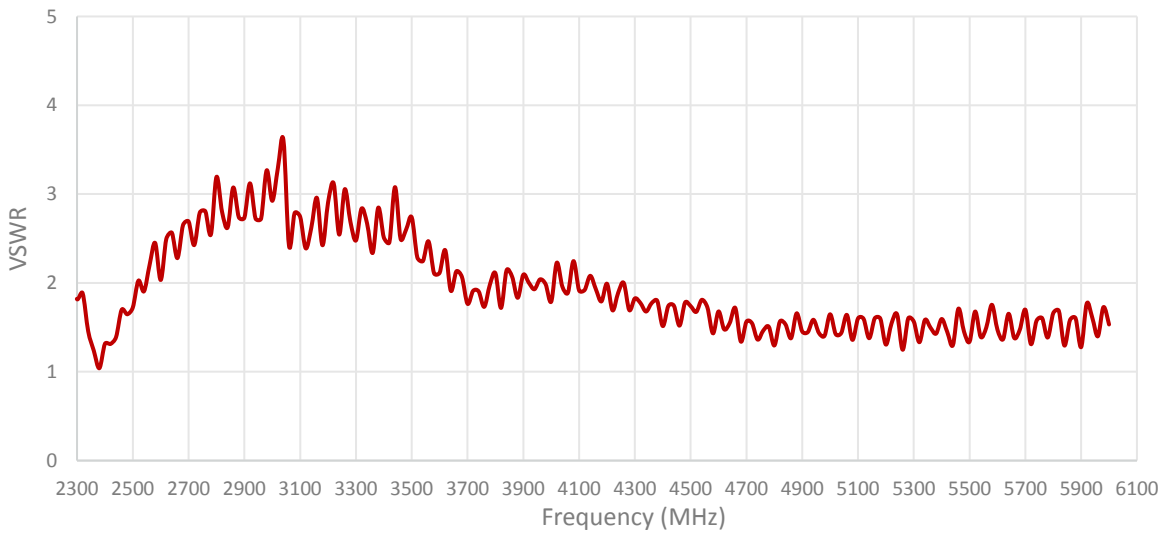
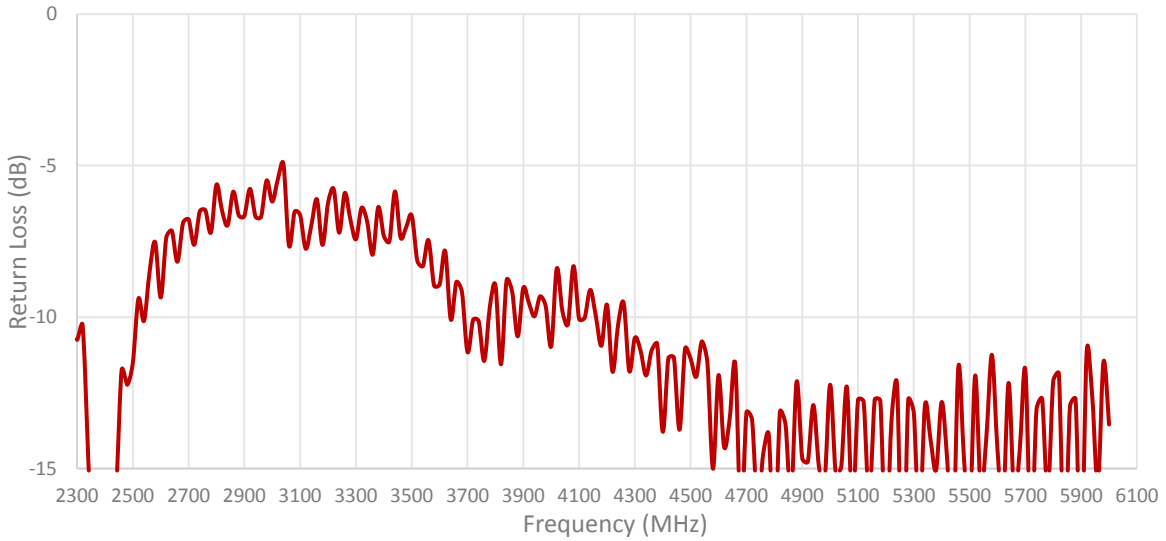
200 cm of DACAR302 Cable

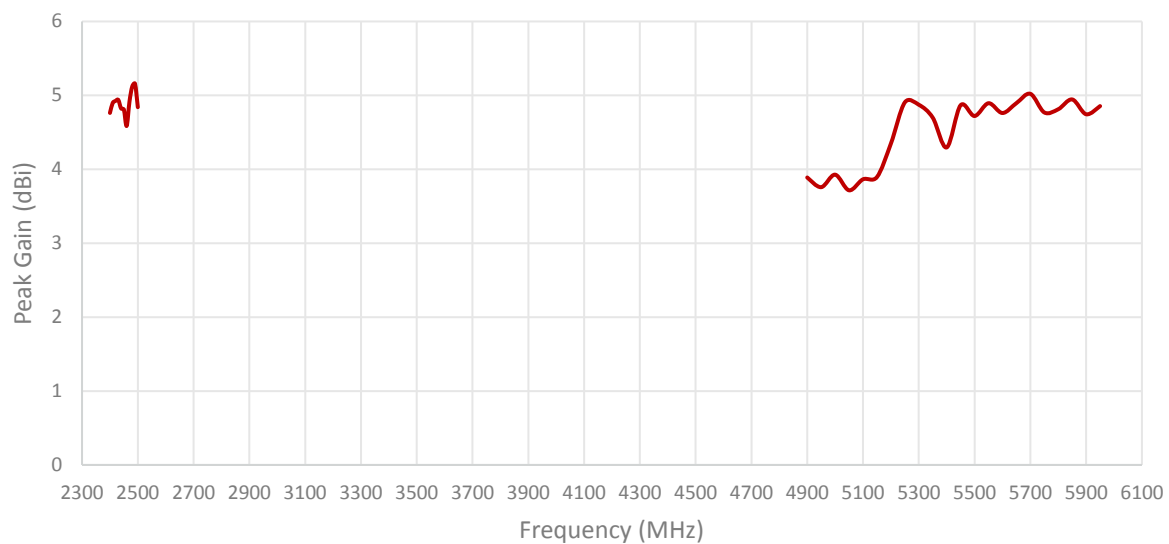
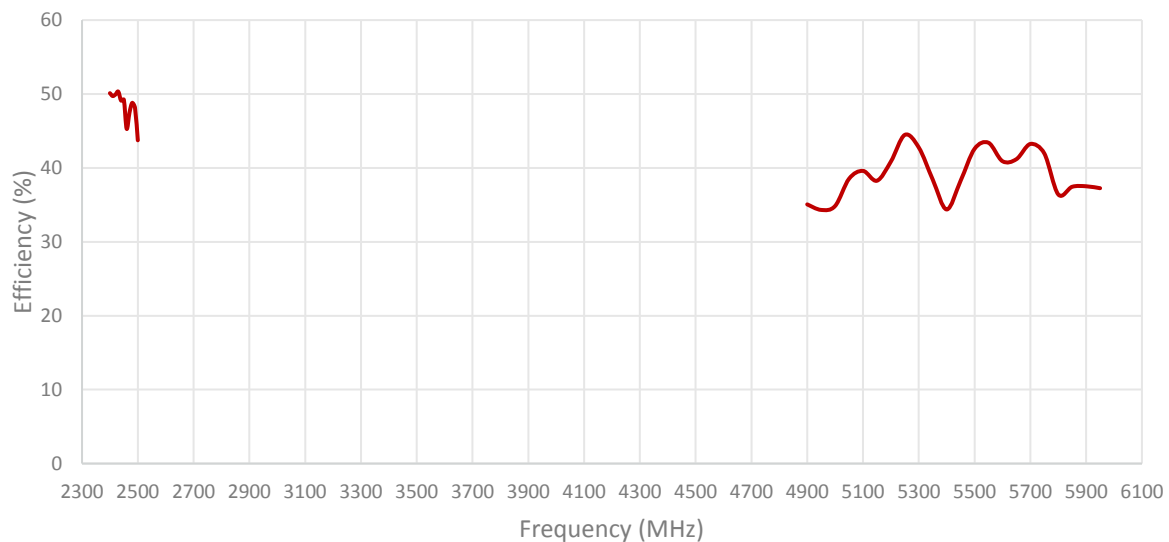
Measured in Certified CTIA 3D Anechoic Chamber

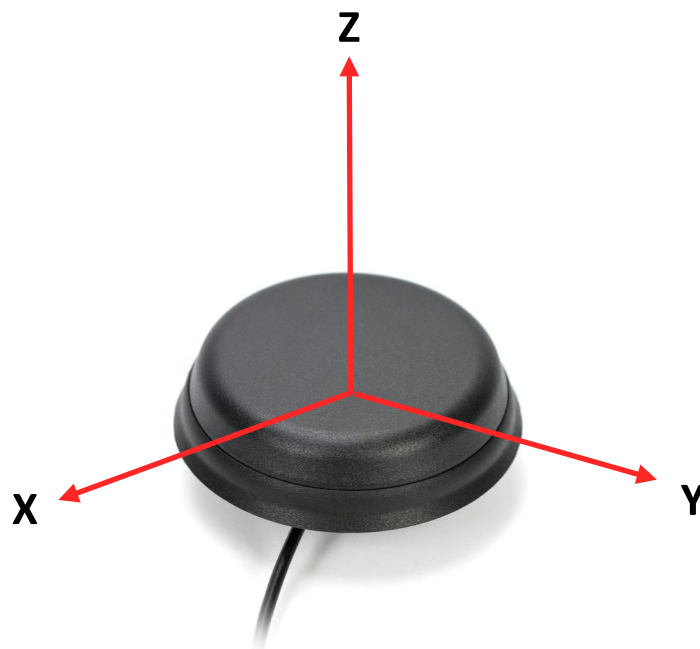
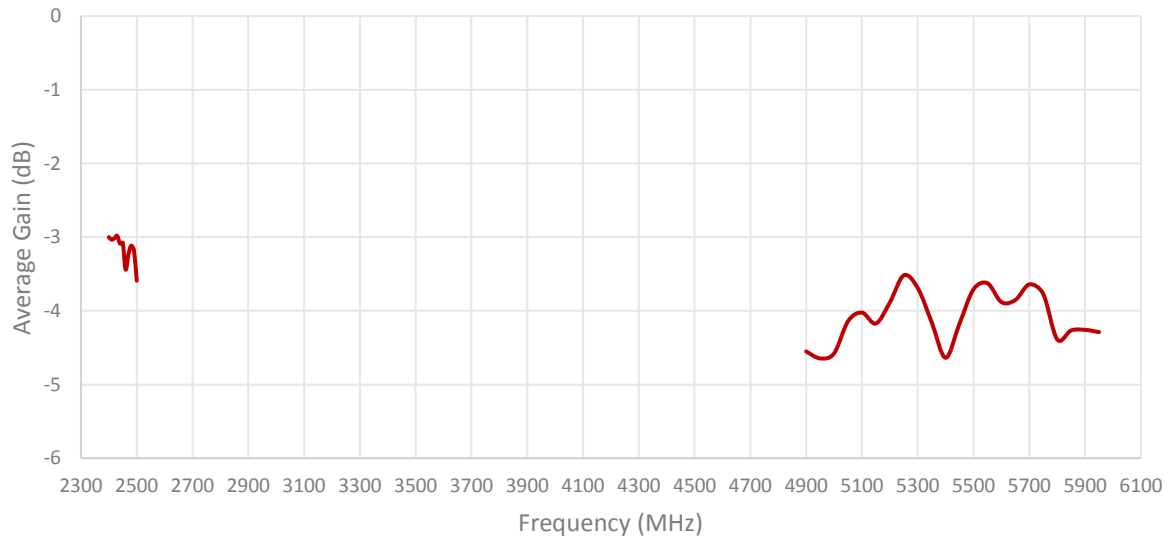
## 2. Mechanical and environmental specifications

Specifications	2J6602B
<b>Mounting Type</b>	Screw Mount
<b>Dimensions (mm)</b>	Ø 77.3 × 15
<b>Max. Tighten Torque (Nm)</b>	6 Nm
<b>Radome</b>	ASA
<b>Radome color</b>	Black or White
<b>Antenna Base</b>	Zamak
<b>Gasket</b>	TPE
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS
<b>Certificates</b>	IP67, IP69K

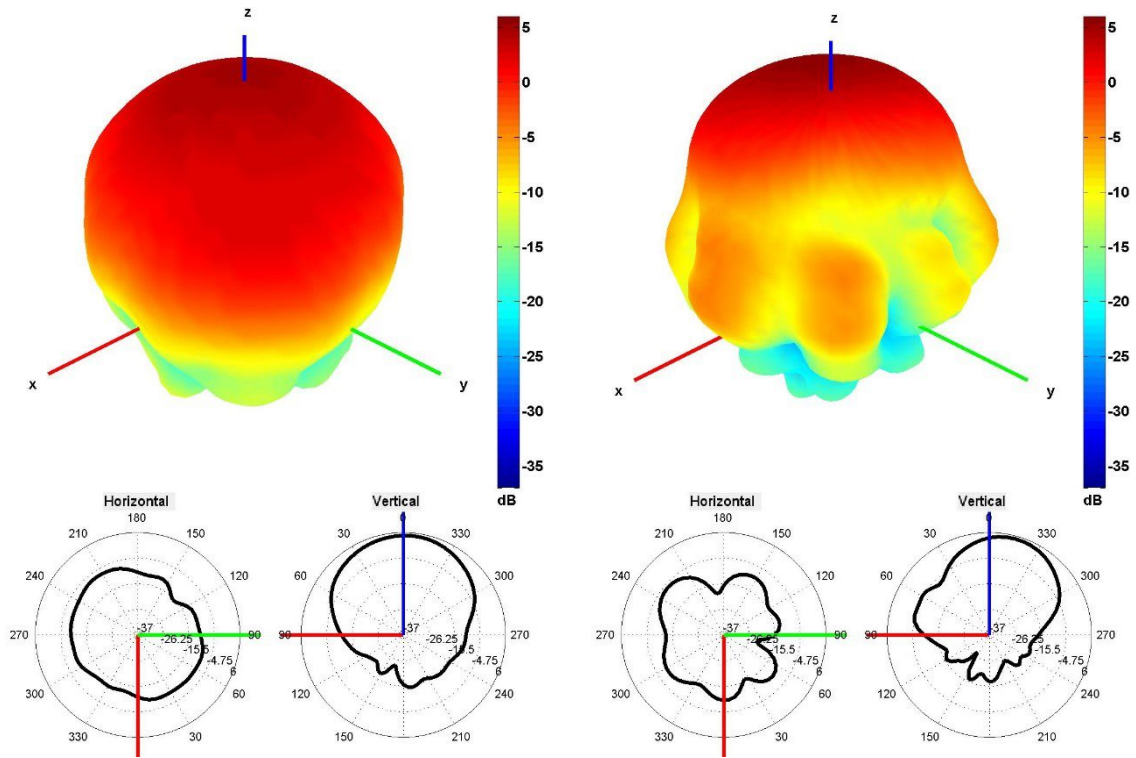
### 3. Antenna parameters





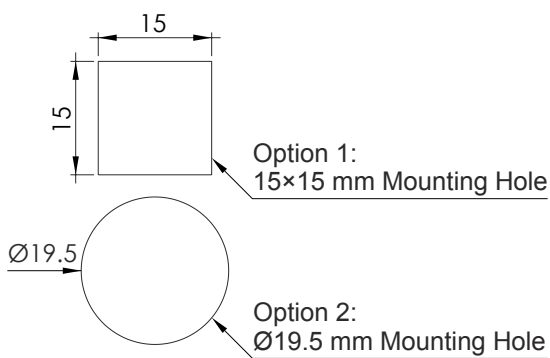
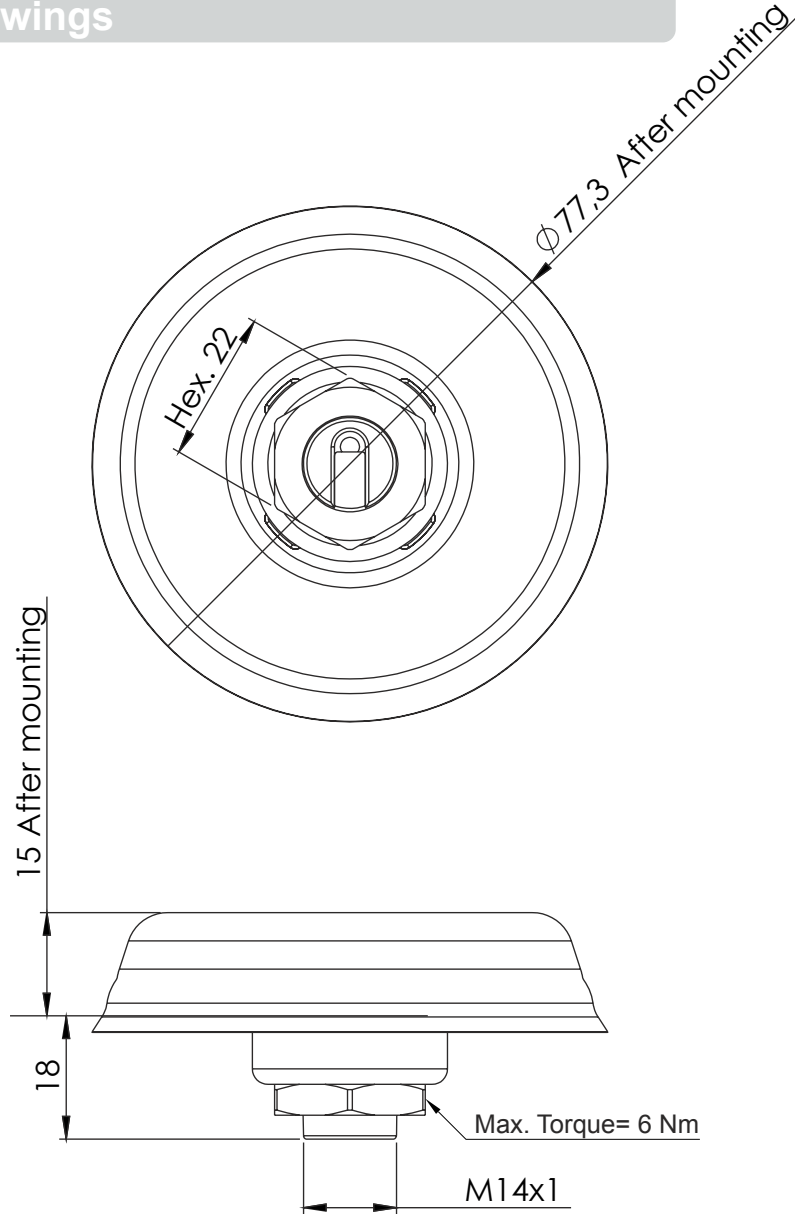


Radiation pattern reference



2450 and 5500 MHz Radiation pattern

## 4. Antenna drawings



**Note: Dimensions are in millimeters**  
**\*Dimensions are after mounting**  
**\*\*Max. Torque= 6 Nm**

## 5. Antenna Images

