

# 2J7602B-2.4

## 2.4 GHz ISM Screw Mount

### Key Features

#### 2.4 GHz ISM

- 2410-2490 MHz

Screw Mount

Ground Plane Independent

Customizable Cable and Connector

Dimensions: Ø 50 x 50.8 mm

Certificates: IP67, IP69



## 1. Antenna and electrical specifications

Parameters	2.4 GHz ISM Antenna
<b>Standards</b>	WiFi, BT, ZigBee, ISM
<b>Band (MHz)</b>	2.4 GHz
<b>Frequency (MHz)</b>	2410-2490
<b>Return Loss (dB)</b>	~-9.4
<b>VSWR</b>	~2.0:1
<b>Efficiency (%)</b>	~41.5
<b>Peak Gain (dBi)</b>	~3.9
<b>Average Gain (dB)</b>	~-3.8
<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>	Most RF Connectors (SMA-RP Male Standard)
<b>Cable Length</b>	Any Cable Length (300cm Standard)
<b>Cable Type</b>	Other Cables Available (LL100 Standard)

### Antenna Measurement Conditions:

Mounted on 30 x 30 cm Metal Plate

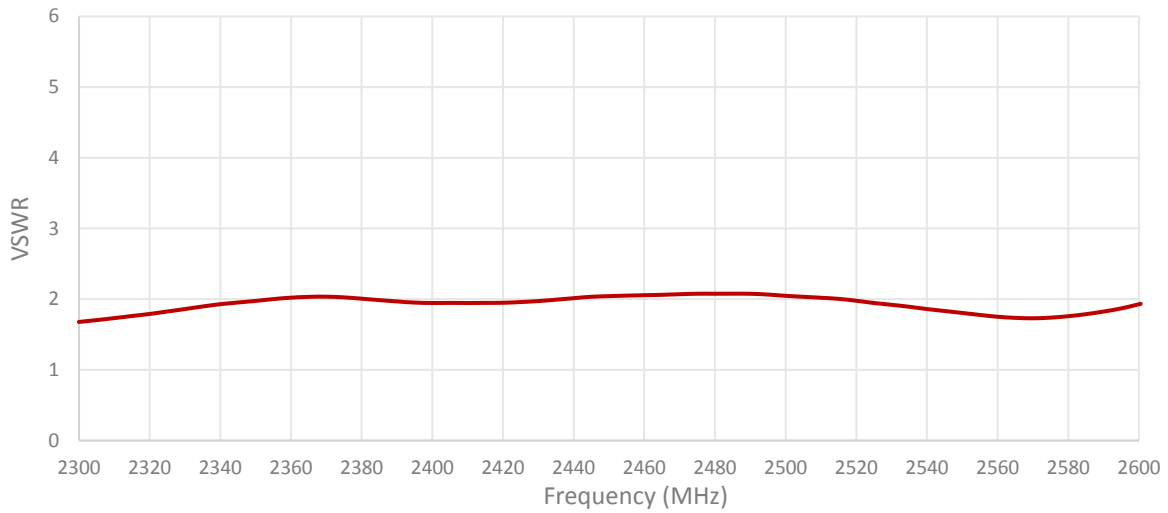
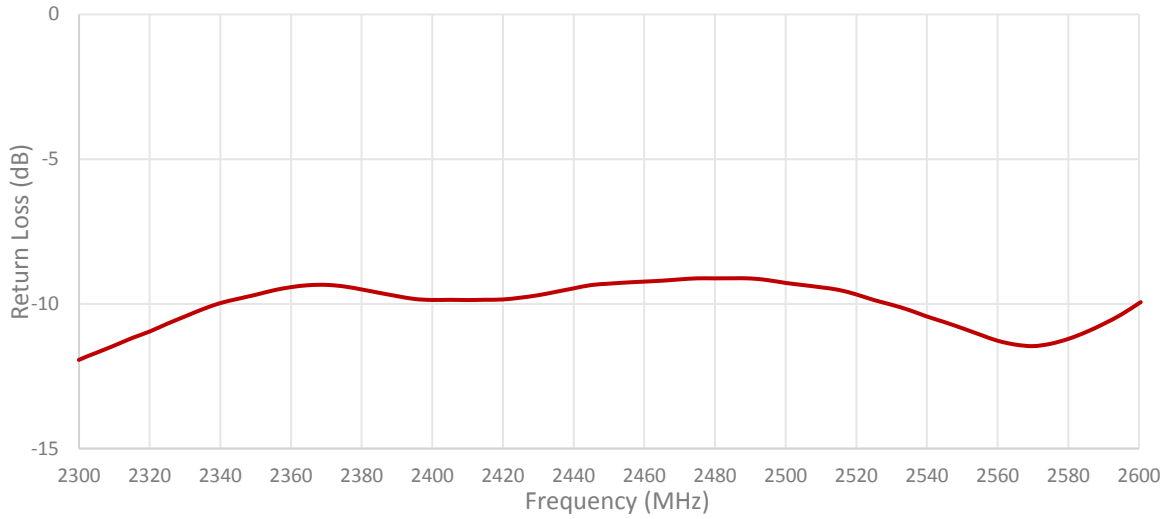
100 cm of LL100 Cable

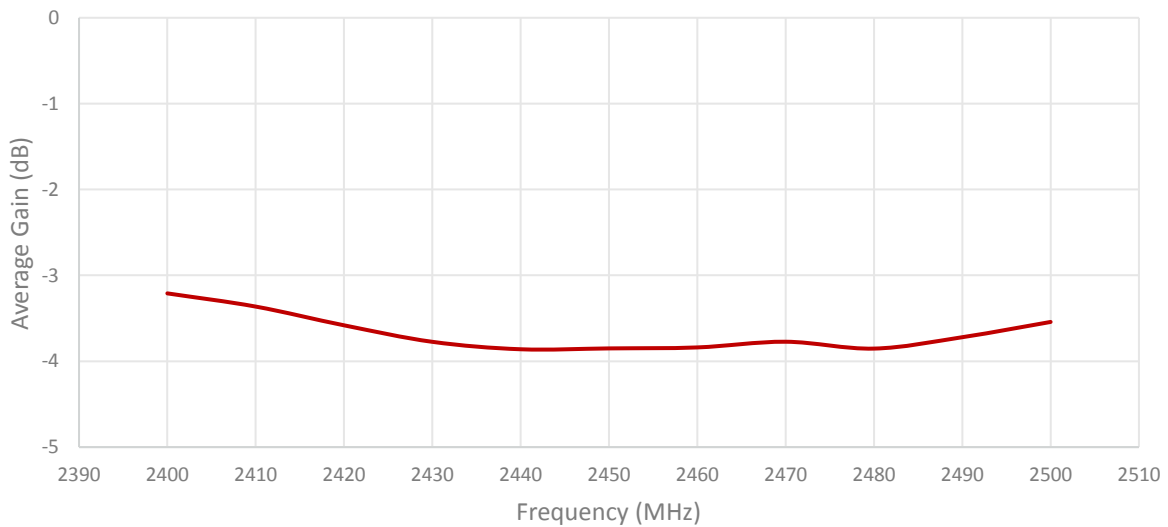
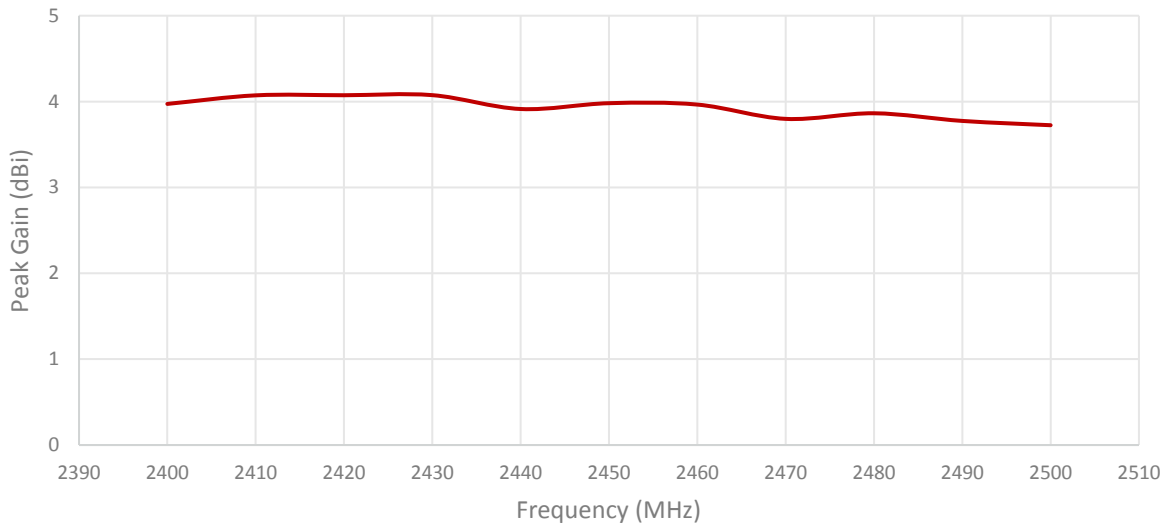
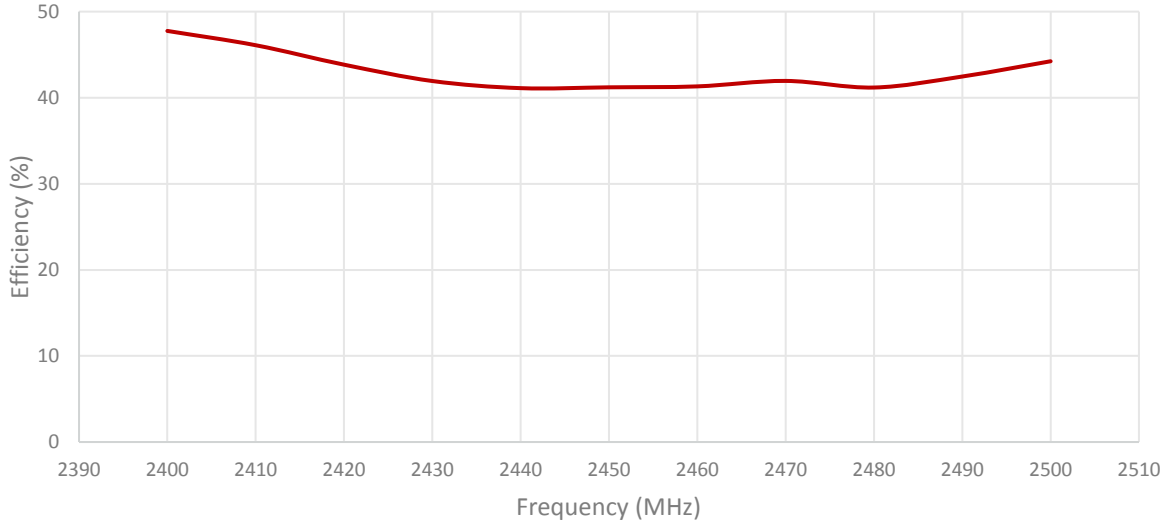
Measured in Certified CTIA 3D Anechoic Chamber

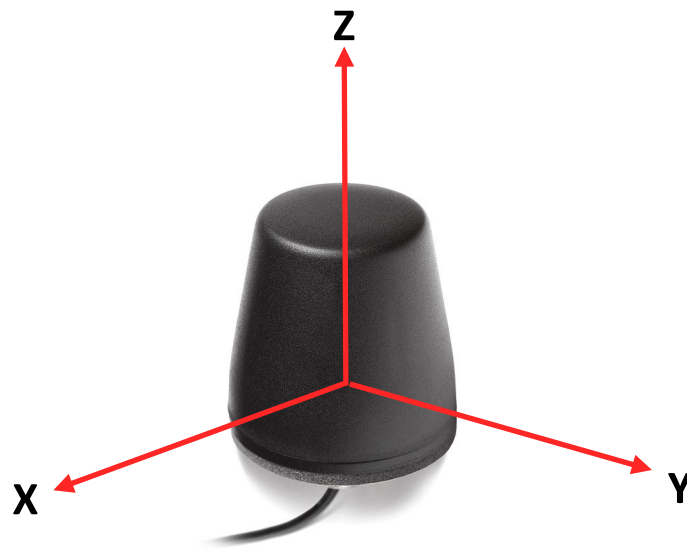
## 2. Mechanical and environmental specifications

Specifications	2J7602B-2.4
<b>Mounting Type</b>	Screw Mount
<b>Dimensions (mm)</b>	Ø 50 x 50.8
<b>Max. Tighten Torque (Nm)</b>	3 Nm
<b>Radome Type</b>	ASA
<b>Radome Color</b>	Black
<b>Antenna Base</b>	Zamak
<b>Gasket</b>	Double Sided Foam
<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, IP69

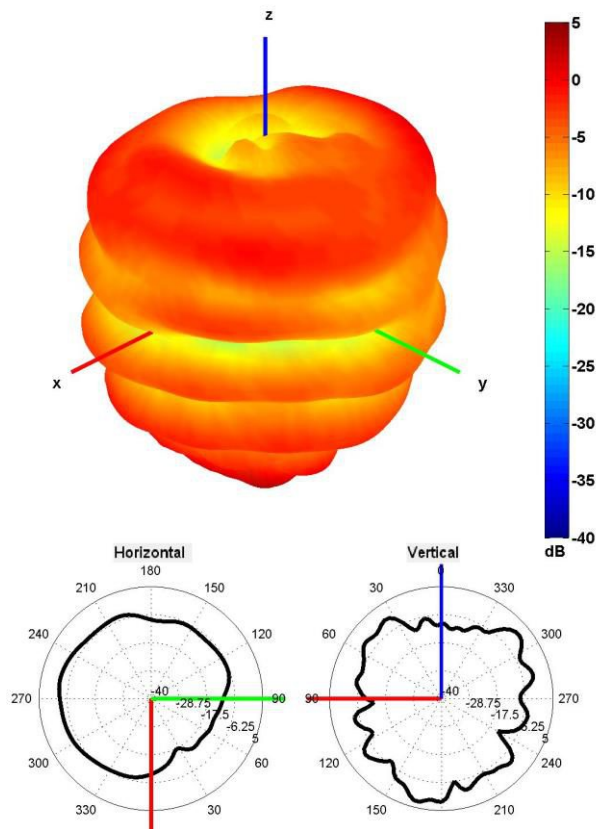
### 3. Antenna parameters





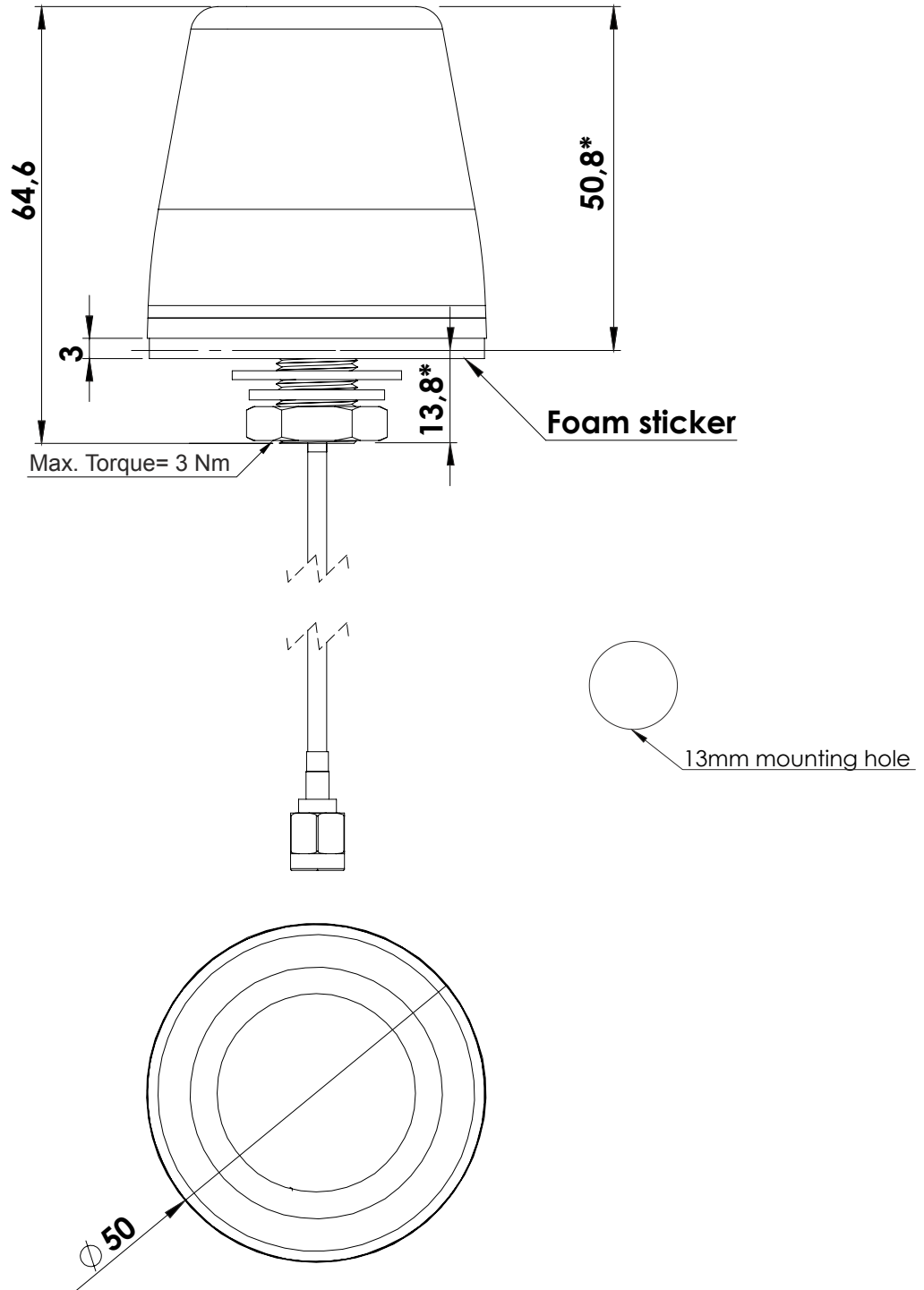


Radiation pattern reference



2450 MHz Radiation pattern

## 4. Antenna drawings



Note: Dimensions are in millimeters  
\*Dimensions are after mounting  
\*\*Max. Torque= 3 Nm

## 5. Antenna Images

