

## 2JW1002

### 2.4/5.0 GHZ ISM Connector Mount

#### Key Features

##### 2.4/5.0 GHz ISM

- 2410-2490 MHz

- 4920-5925 MHz

Connector Mount

Low Profile

High Efficiency

Ground Plane Dependent

Dimensions Ø 10 × 71 mm



## 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>	~-10.7	~-7.4
<b>VSWR</b>	~1.8:1	~2.8:1
<b>Efficiency (%)</b>	~59.0	~45.0
<b>Peak Gain (dBi)</b>	~3.0	~1.0
<b>Average Gain (dB)</b>	~-2.3	~-3.5
<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	

### Antenna Measurement Conditions:

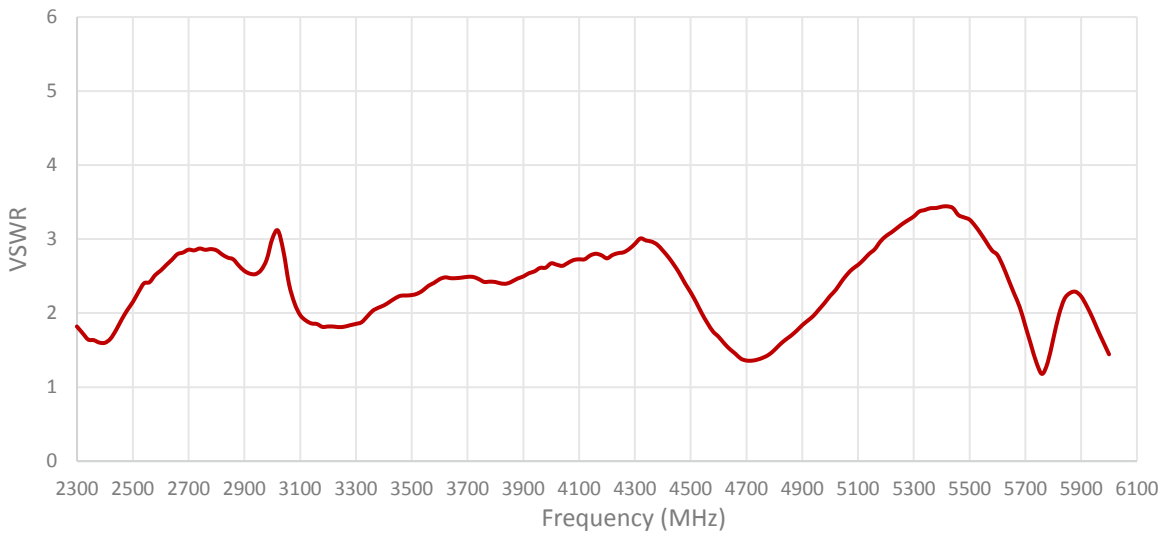
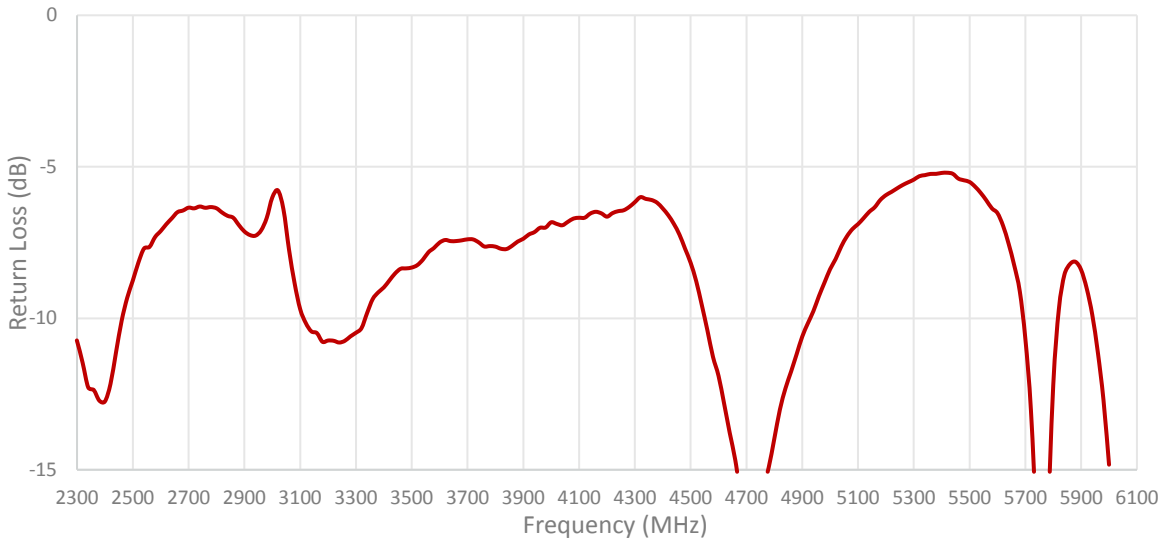
Mounted on Ground Plane of 70x35mm

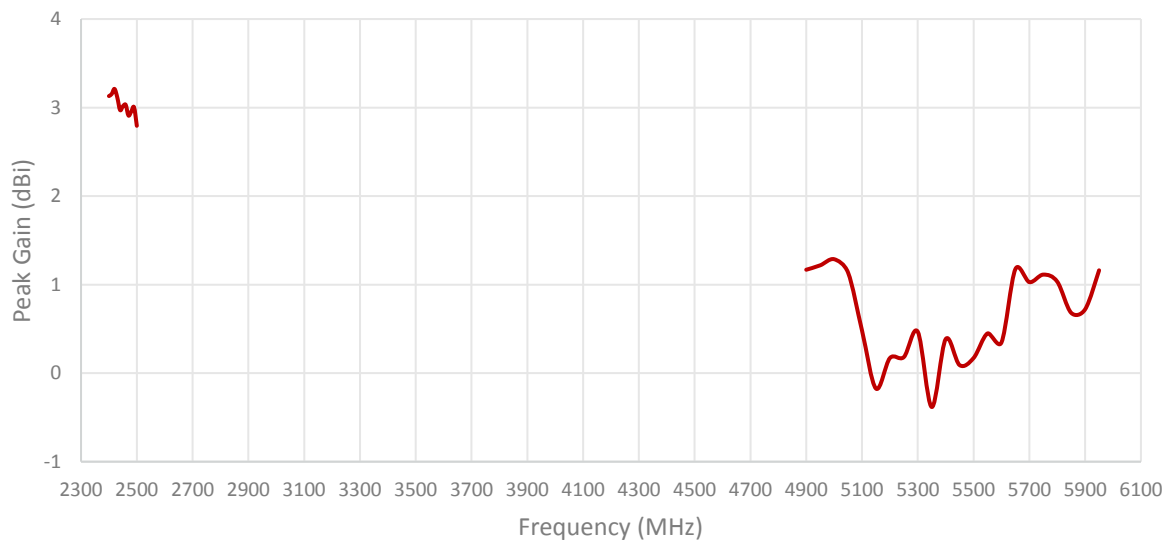
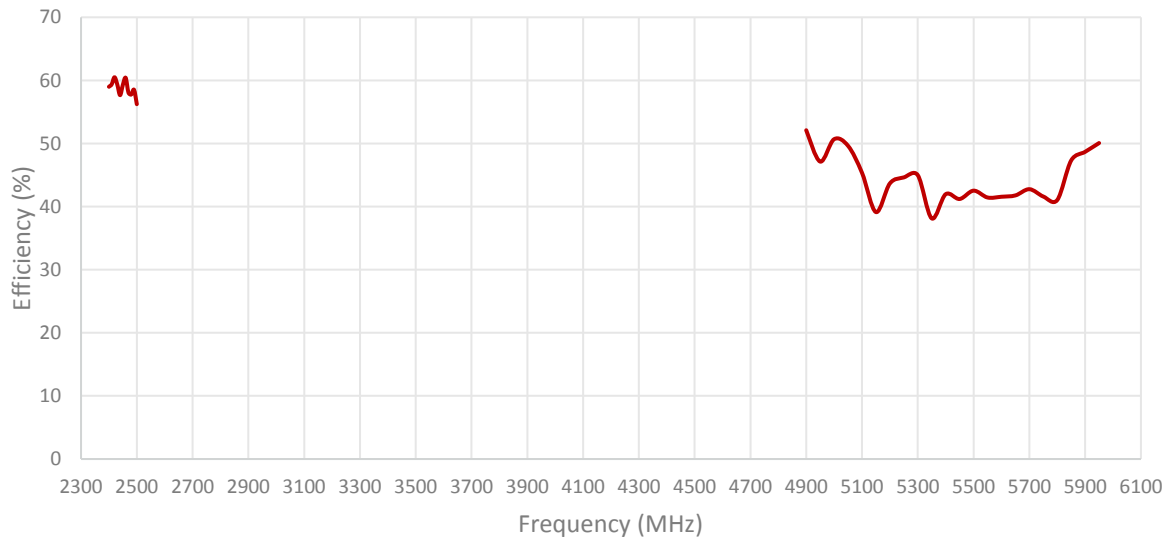
Measured in Certified CTIA 3D Anechoic Chamber

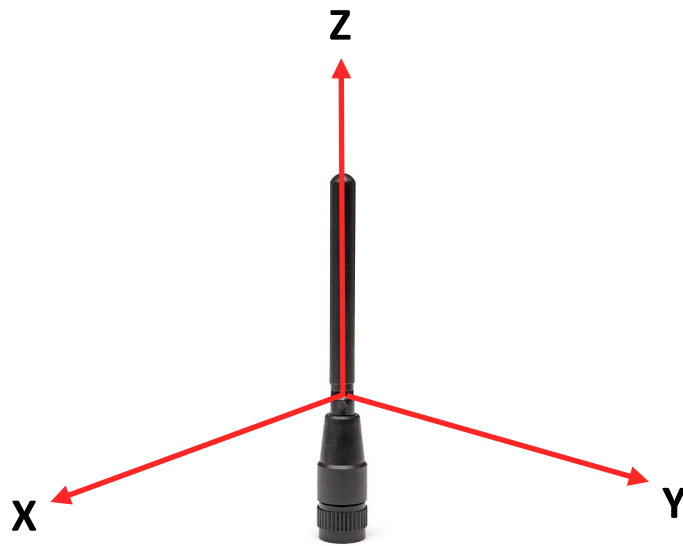
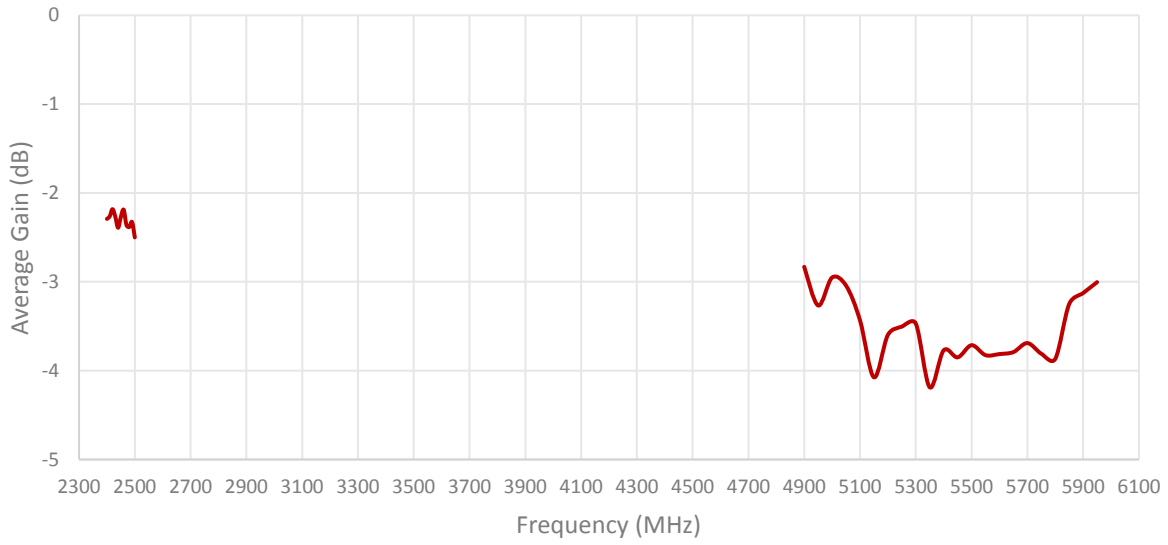
## 2. Mechanical and environmental specifications

Specifications	2JW1002
<b>Mounting Type</b>	Connector Mount
<b>Dimensions (mm)</b>	Ø 10 × 71
<b>Radome Type</b>	POM
<b>Radome Color</b>	Black
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

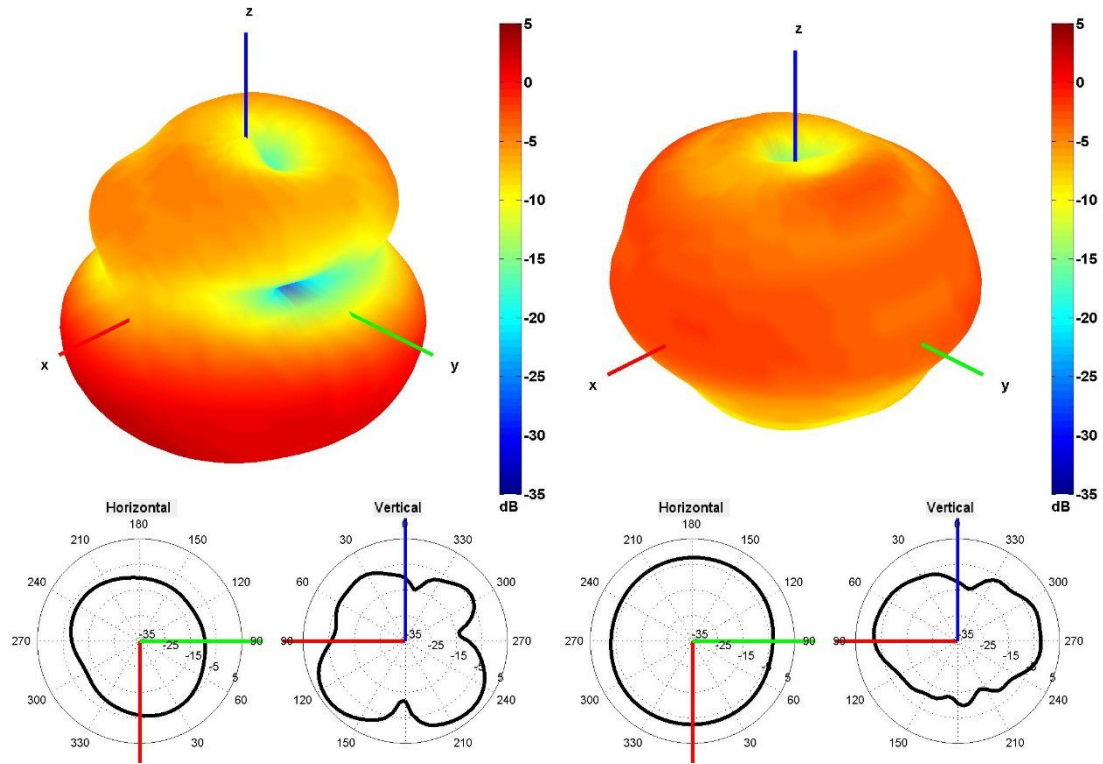
### 3. Antenna parameters





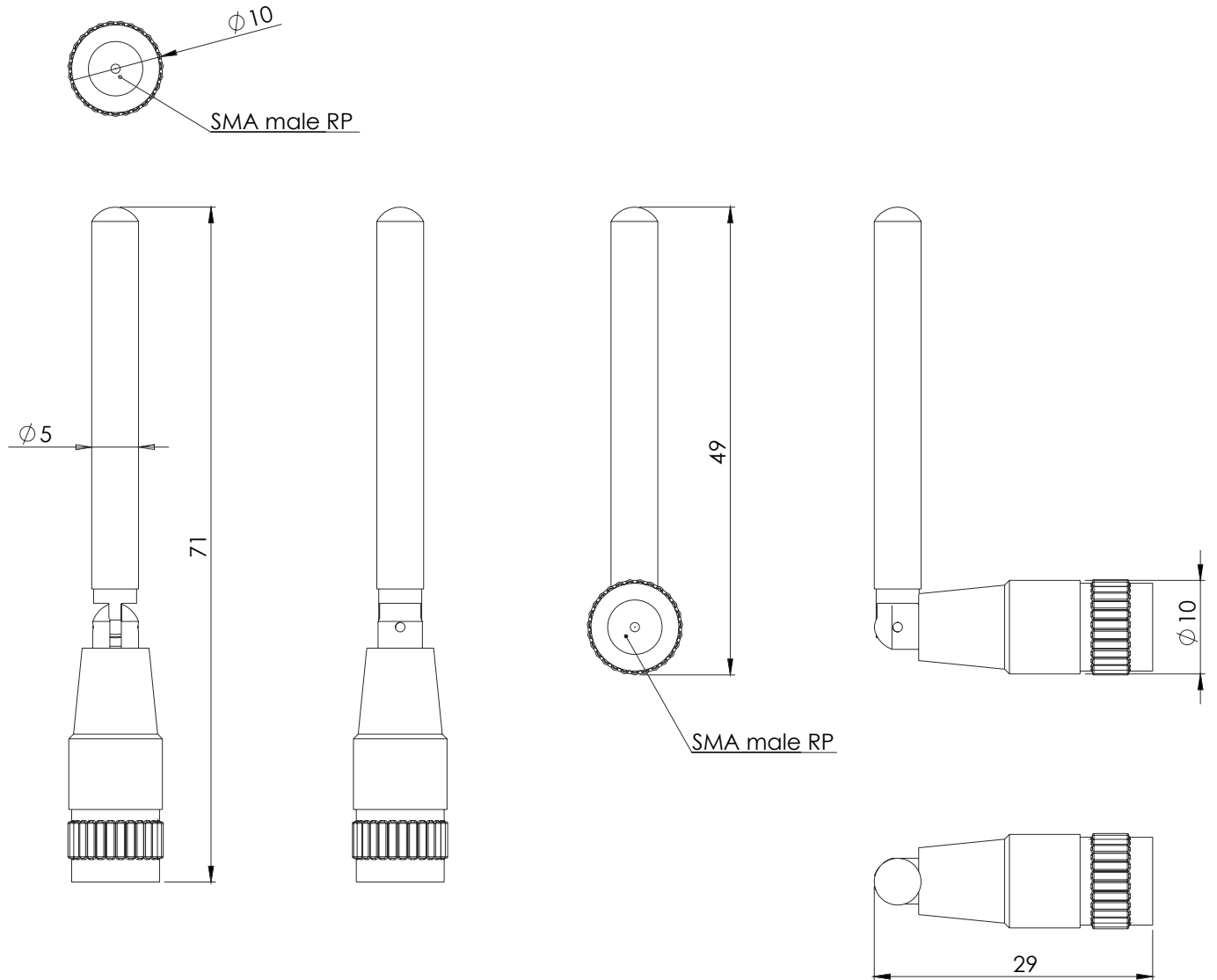


Radiation pattern reference



2450 and 5500 MHz Radiation pattern

## 4. Antenna drawings



5. Antenna Images

