

# 2J5202P

2.4/5.0/6.0 GHz ISM Adhesive Mount

## Key Features

### Cable 1: 2.4/5.0/6.0 GHz ISM

- 2410-2490 MHz
- 4920-5925 MHz
- 5925-7125 MHz

Adhesive Mount

Ground Plane Independent

Flexible Housing

Low Profile

High Performance

Customizable Cable and Connector

Dimensions 117.4 × 12.5 × 6.5 mm



## 1. Antenna and electrical specifications

Cable 1

Parameters	2.4/5.0/6.0 GHz ISM Antenna		
<b>Standards</b>	WiFi, BT, ZigBee, ISM		
<b>Band (MHz)</b>	2.4 GHz	5.0 GHz	6.0 GHz
<b>Frequency (MHz)</b>	2410-2490	4920-5925	5925-7125
<b>Return Loss (dB)</b>	~-14.1	~-10.0	~-11.4
<b>VSWR</b>	~1.5:1	~2.2:1	~1.8:1
<b>Efficiency (%)</b>	~63.0	~41.6	~45.4
<b>Peak Gain (dBi)</b>	~3.7	~3.3	~5.5
<b>Average Gain (dB)</b>	~-2.0	~-3.9	~-3.4
<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>	LL100 Standard (Other Cables Available)		

### Antenna Measurement Conditions:

Mounted on Plastic Plane of 30x30 mm

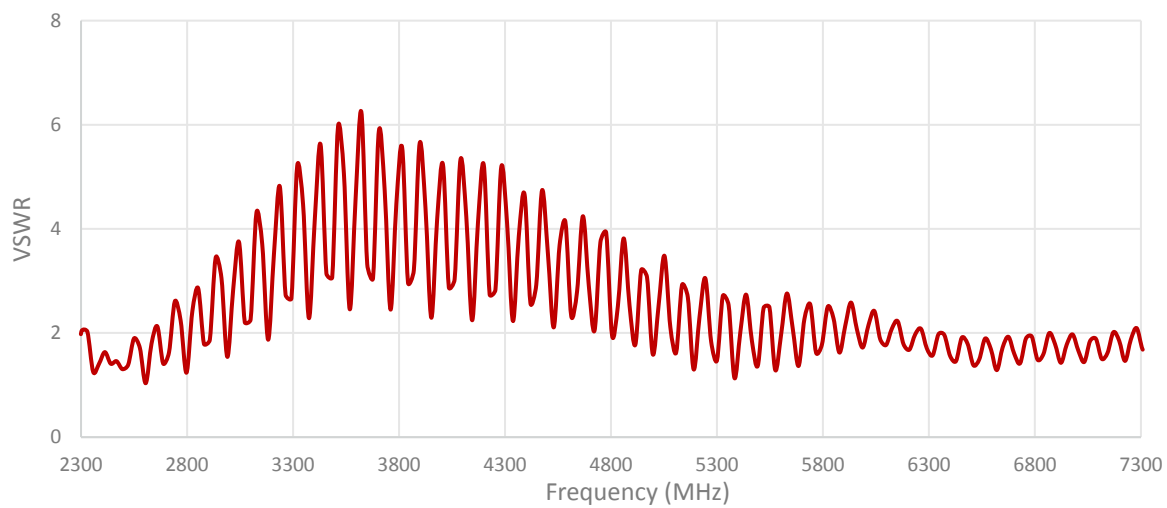
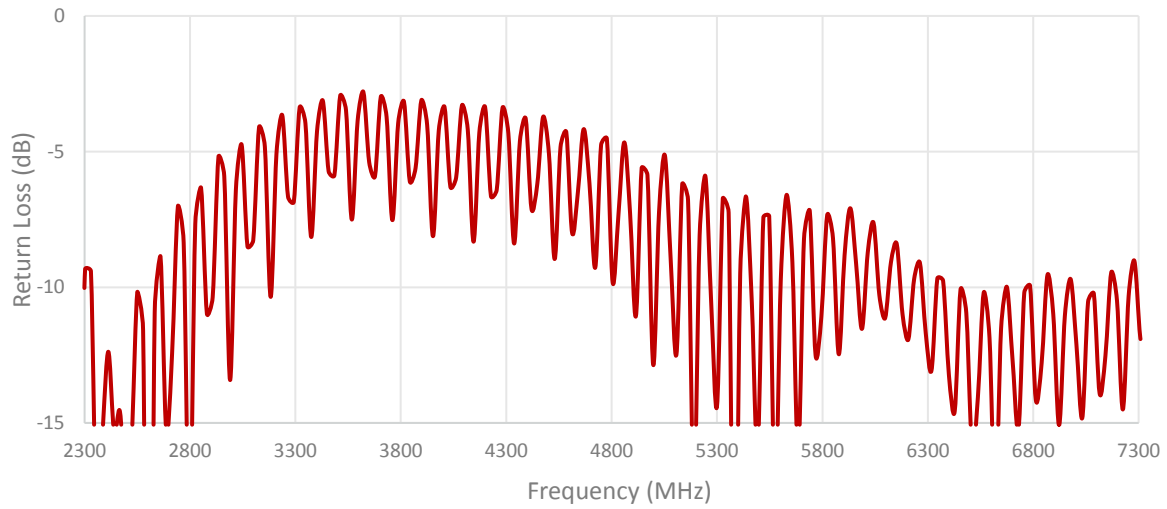
100cm of LL100 Cable

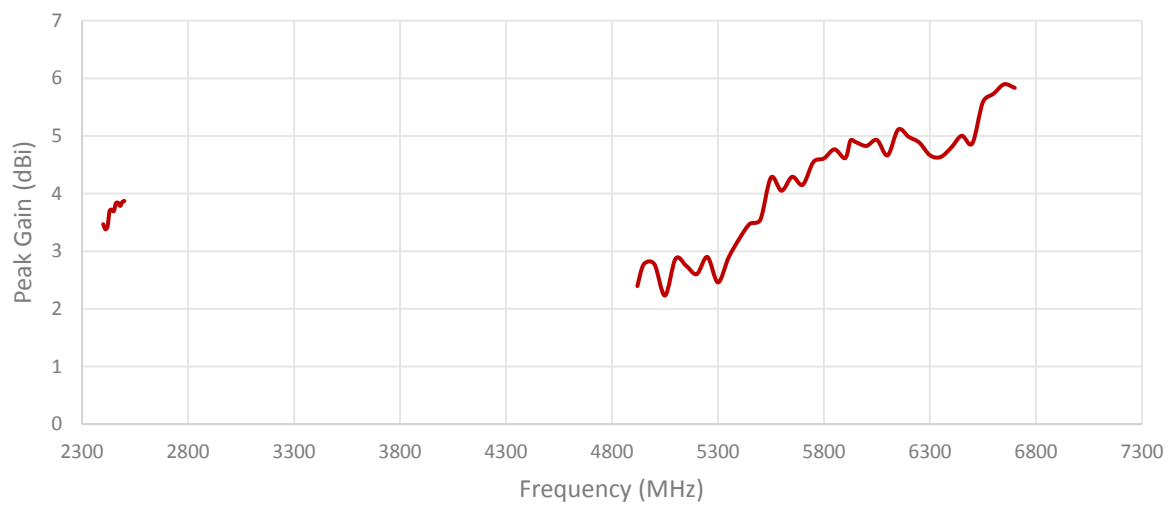
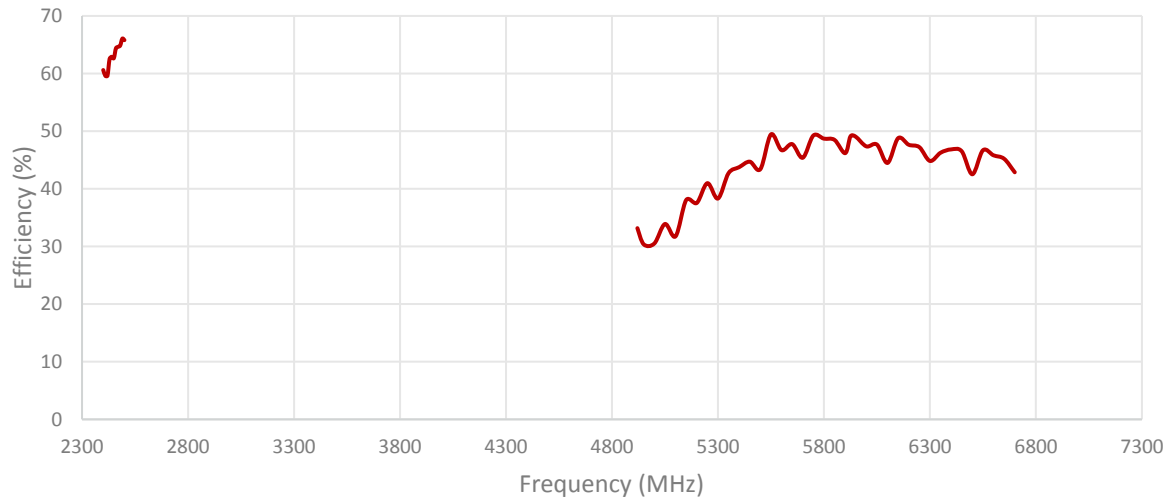
Measured in Certified CTIA 3D Anechoic Chamber

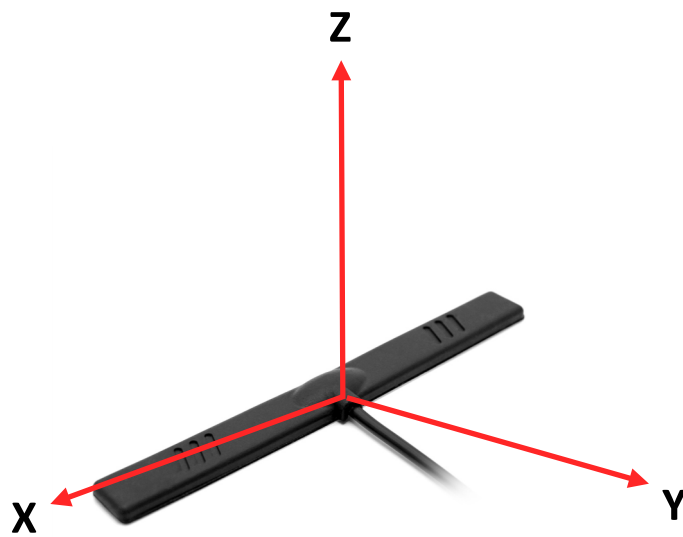
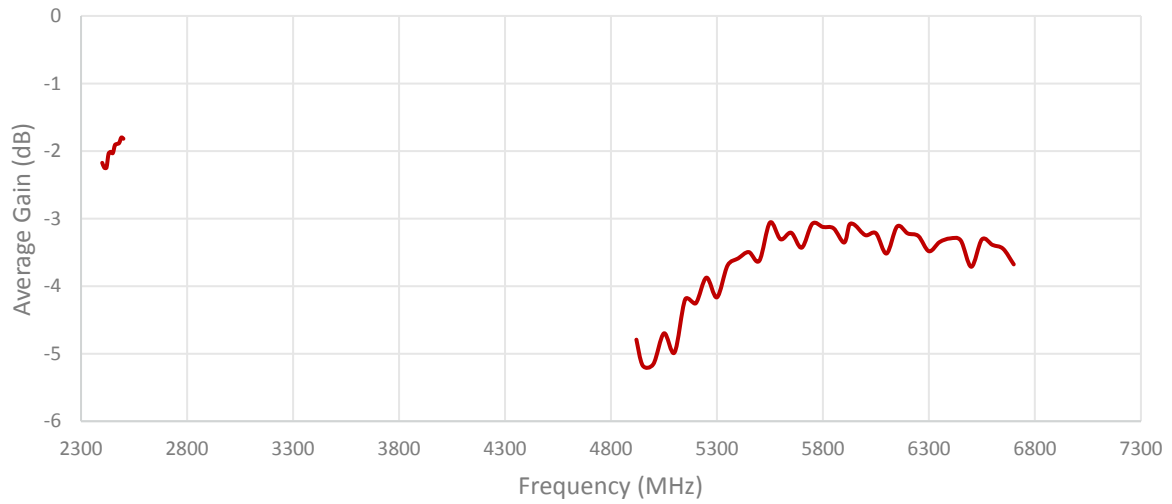
## 2. Mechanical and environmental specifications

Specifications	2J5202P
<b>Mounting Type</b>	Adhesive Mount
<b>Dimensions (mm)</b>	117.4 × 12.5 × 6.5
<b>Radome</b>	PVC
<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

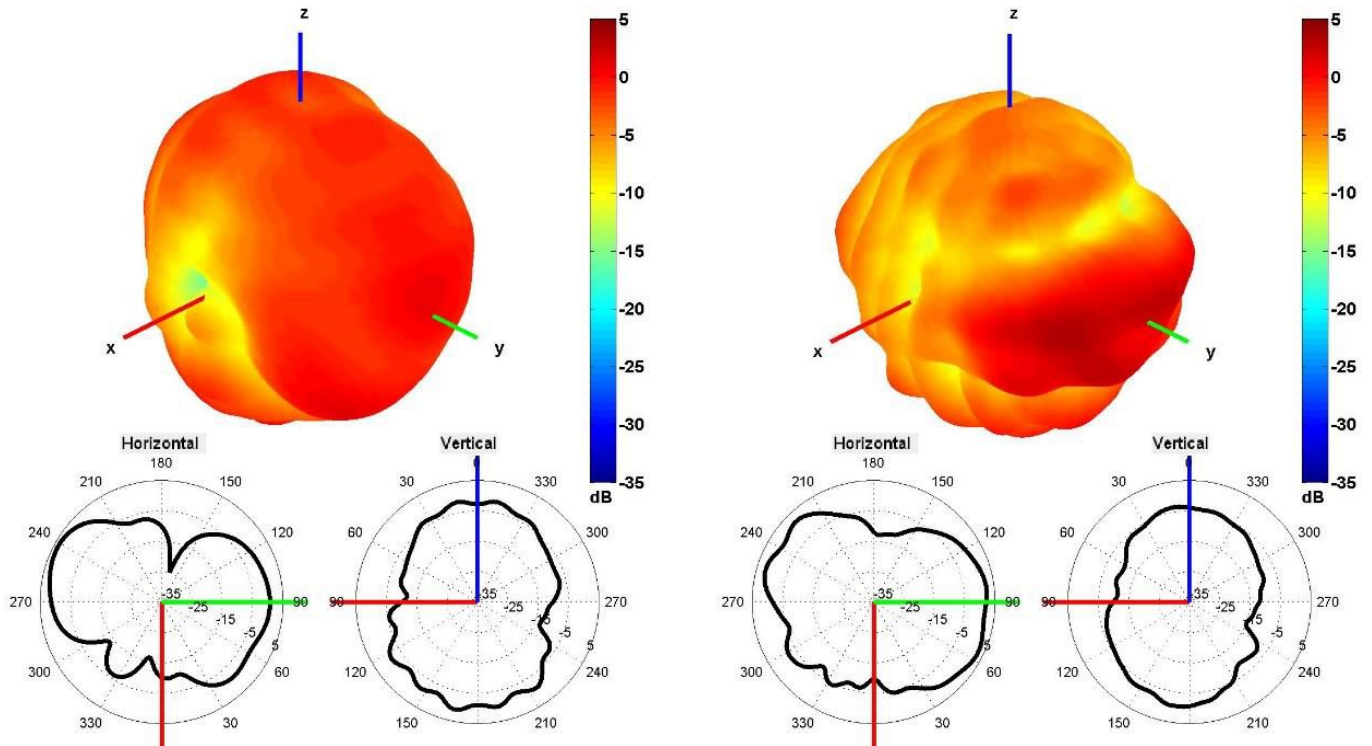
## 3. Antenna parameters



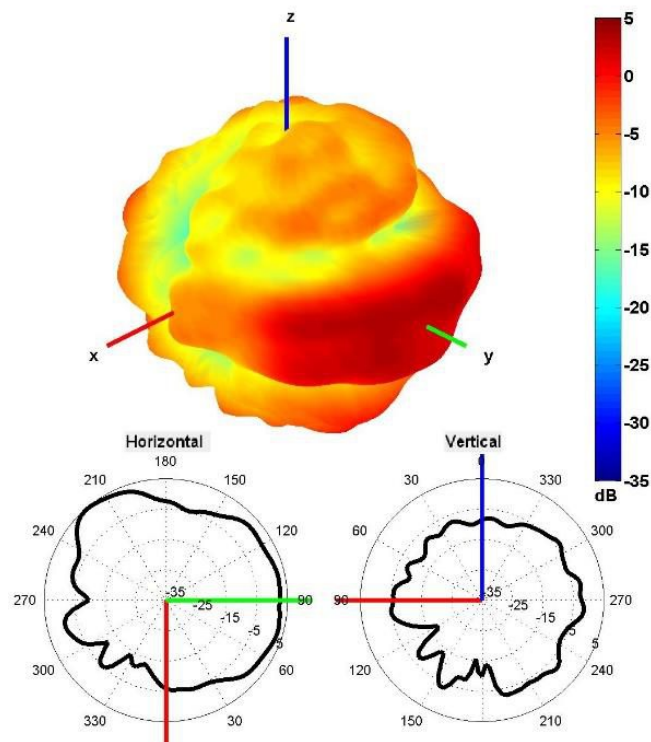




Radiation pattern reference

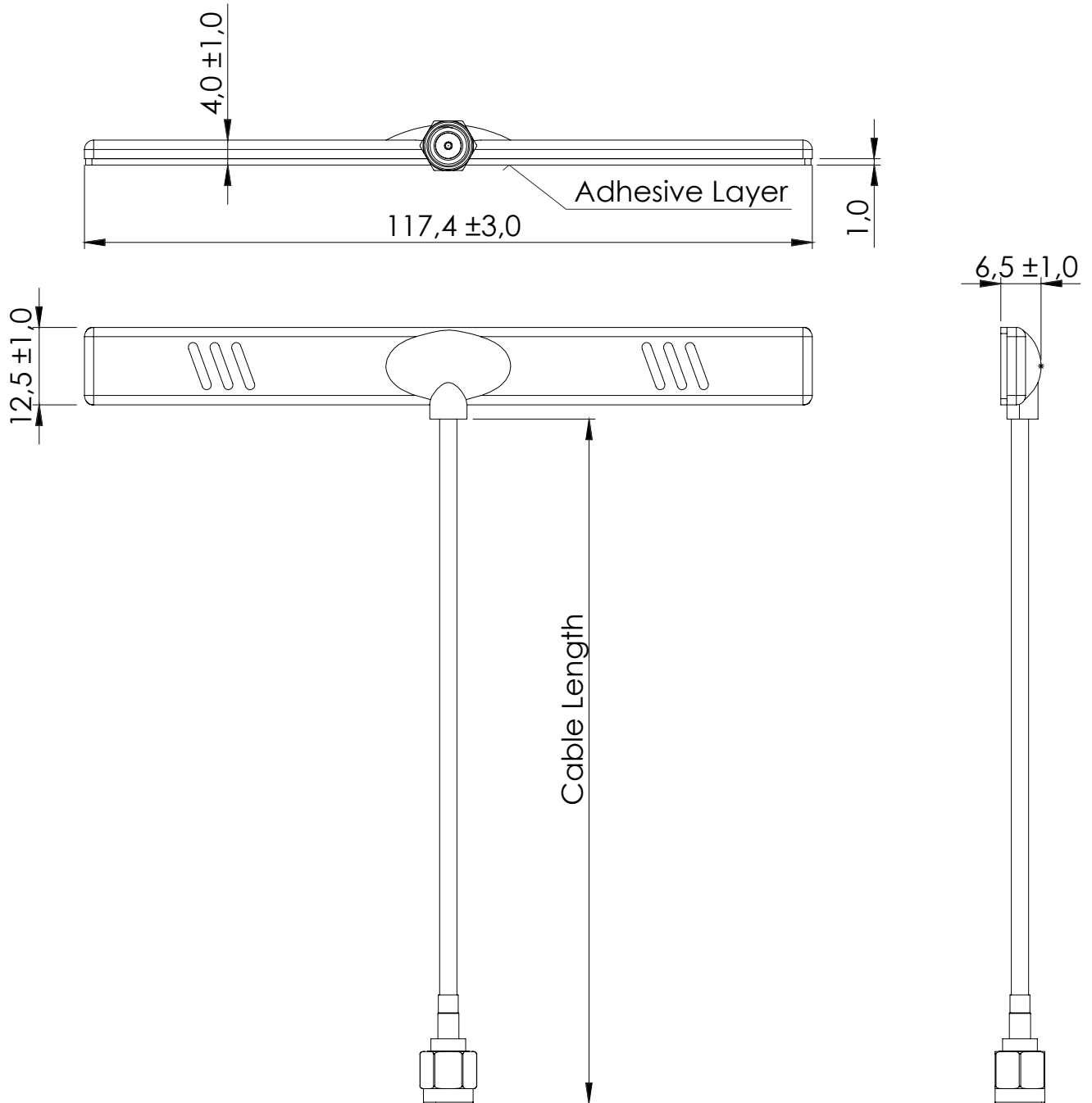


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

