

# 2J5502P

## 2.4/5.0 GHZ ISM Adhesive Mount

### Key Features

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

- 2410-2490 MHz
- 4920-5925 MHz

Adhesive Mount

Ground Plane Independent

Customizable Cable and Connector

Dimensions 71 x 25 x 7 mm



## 1. Antenna and electrical specifications

Cable 1

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>	~-18.1	~-11.2
<b>VSWR</b>	~1.3:1	~1.9:1
<b>Efficiency (%)</b>	~56.7	~34.2
<b>Peak Gain (dBi)</b>	~3.4	~2.6
<b>Average Gain (dB)</b>	~-2.5	~-4.7
<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>	LMR100 Standard (Other Cables Available)	

### Antenna Measurement Conditions:

Mounted on Plastic Plane of 30x30 mm

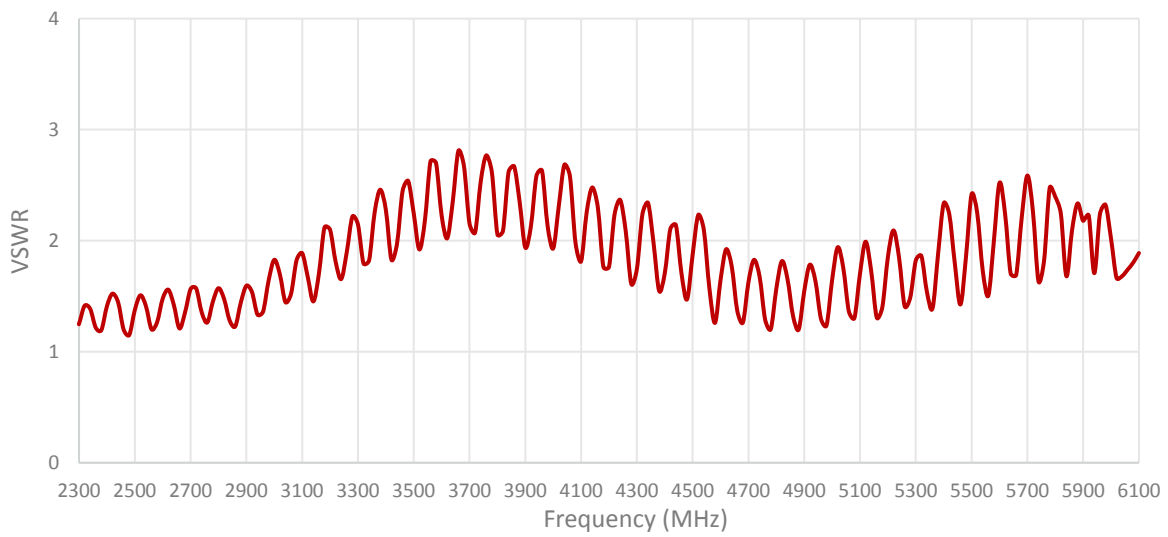
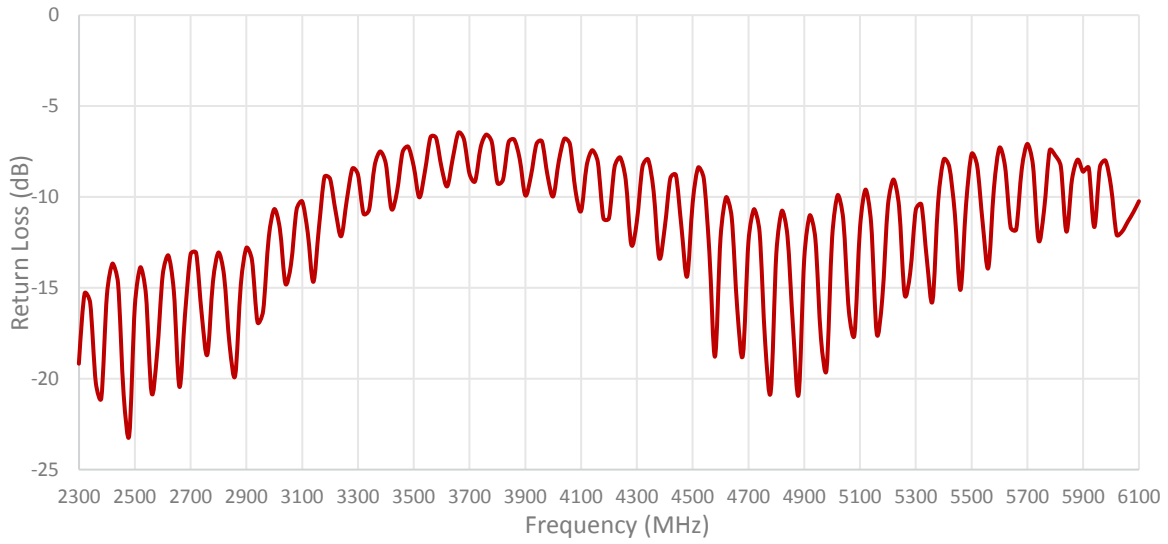
100cm of LMR100 Cable

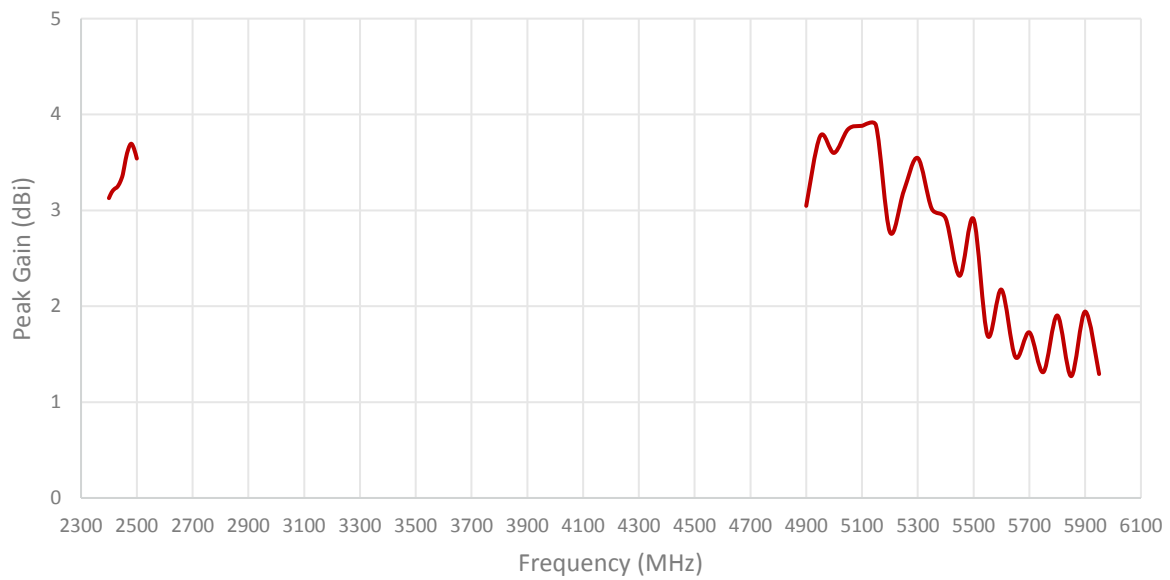
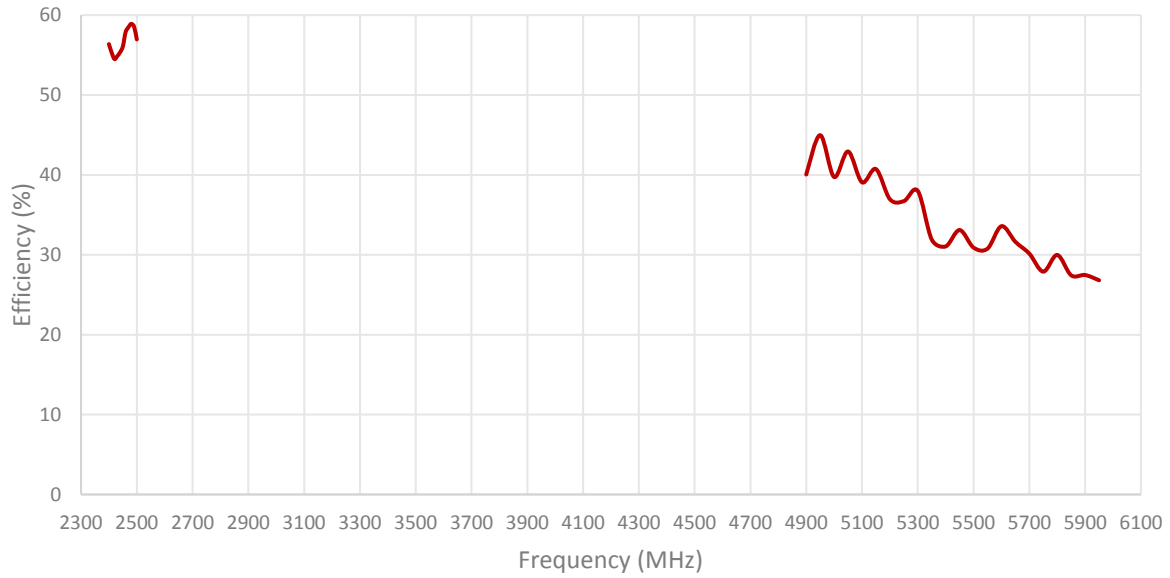
Measured in Certified CTIA 3D Anechoic Chamber

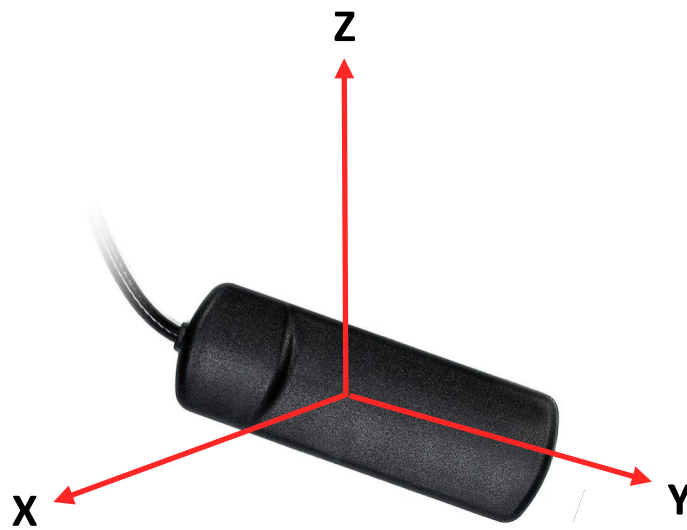
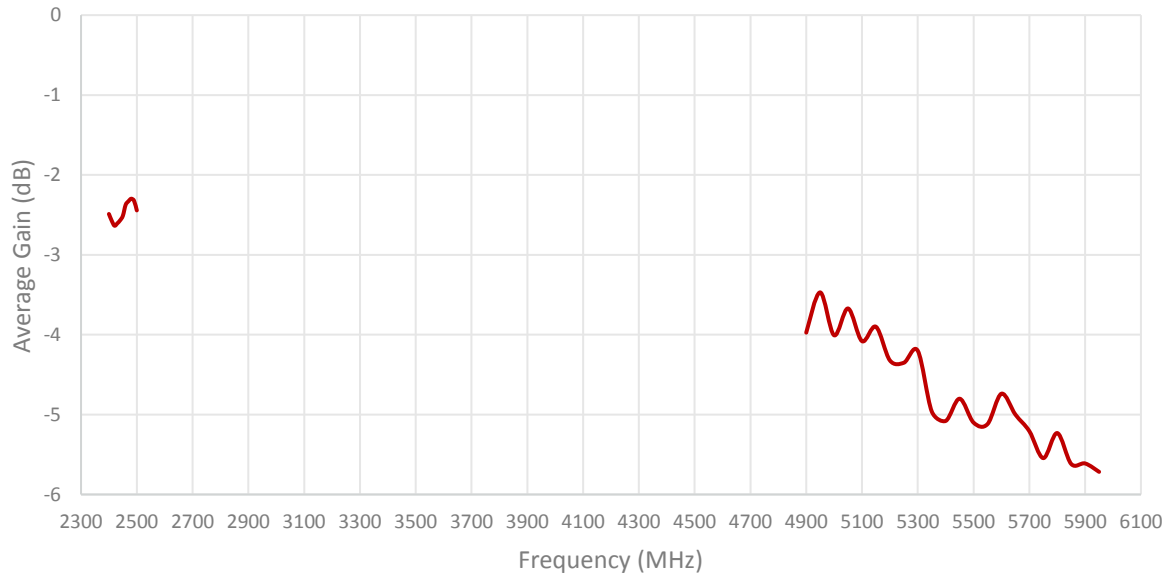
## 2. Mechanical and environmental specifications

Specifications	2J5502P
<b>Mounting Type</b>	Adhesive Mount
<b>Dimensions (mm)</b>	71 x 25 x 7
<b>Radome</b>	ABS UV Stable
<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

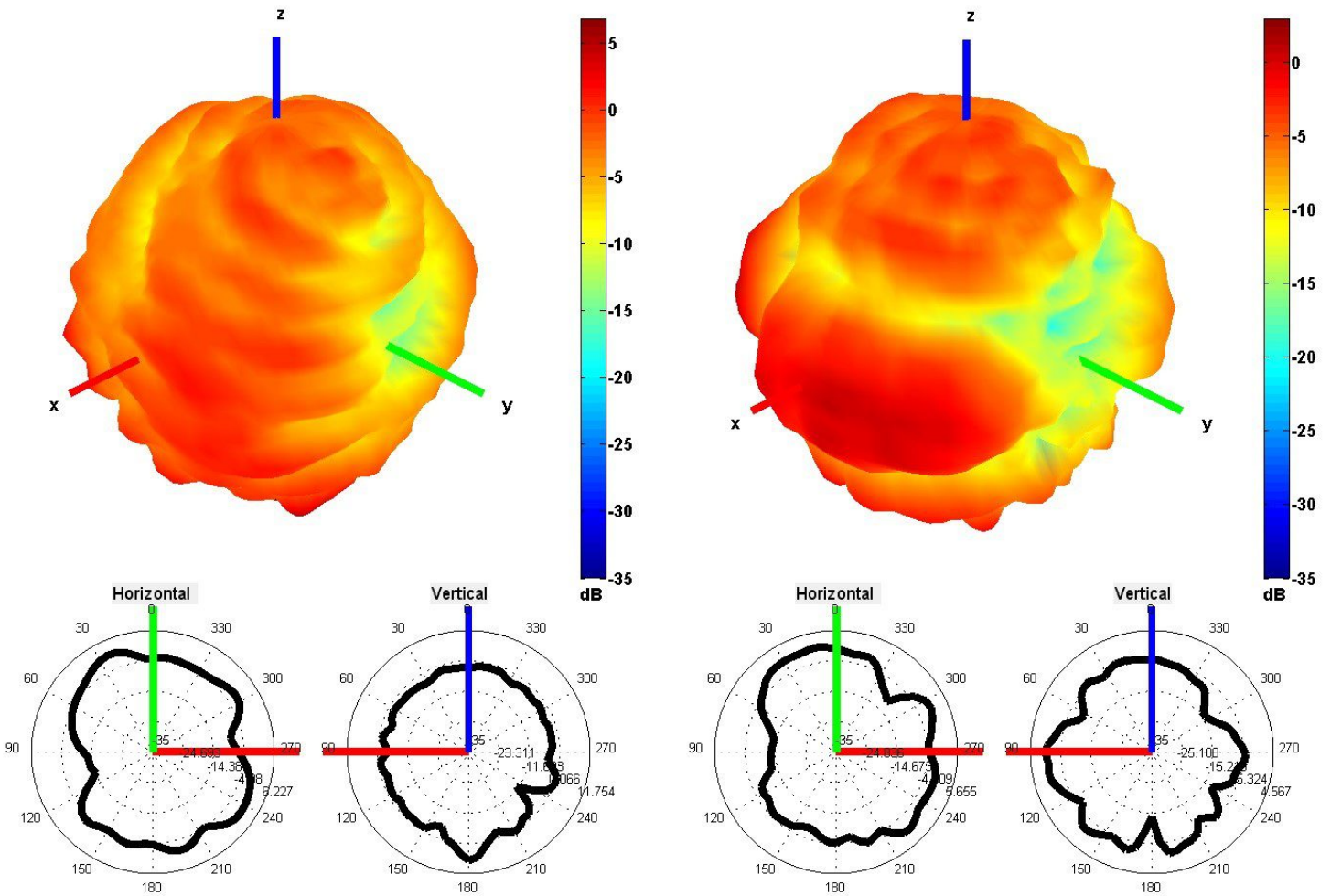
### 3. Antenna parameters





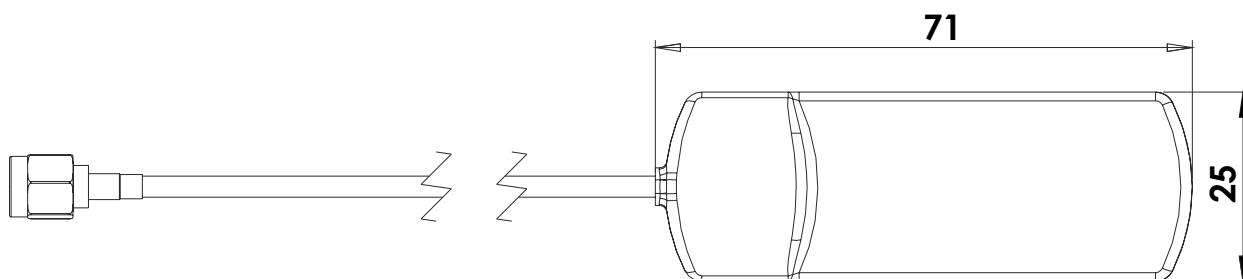
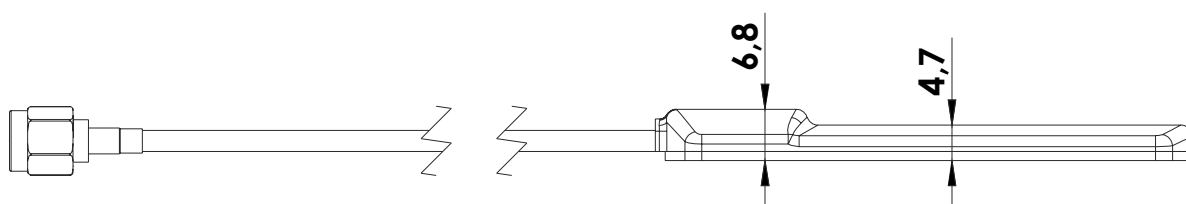


Radiation pattern reference



2450 and 5500 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

