

## 2J7401MPp

GNSS Magnetic Mount

### Key Features

#### GPS

- 1575 MHz

Magnetic Mount

High Gain

Passive Antenna

Ground Plane Independent

Customizable Cable and Connector

Dimensions  $\varnothing 54 \times 14.7$  mm

Certificates: IP67, IP69



## 1. Antenna and electrical specifications

Parameters	GNSS Passive Antenna
<b>Standards</b>	GPS/QZSS/Galileo
<b>Bands (MHz)</b>	1575
<b>Frequency (MHz)</b>	1575.42
<b>Return Loss (dB)</b>	~-10.7
<b>VSWR</b>	~1.8:1
<b>Efficiency (%)</b>	~50.0
<b>Peak Gain (dBi)</b>	~-3.0
<b>Average Gain (dB)</b>	~-3.0
<b>Impedance (Ohms)</b>	50
<b>Radiation Pattern</b>	Hemispherical
<b>Polarization</b>	RHCP
<b>Connector Type</b>	SMA-Male Standard (Other Connectors Available)
<b>Cable Length (m)</b>	300cm Standard (Any Cable Length Available)
<b>Cable Type</b>	D302 Standard (Other Cables Available)

### Antenna Measurement Conditions:

Mounted on Ground plane of 30 x 30 cm

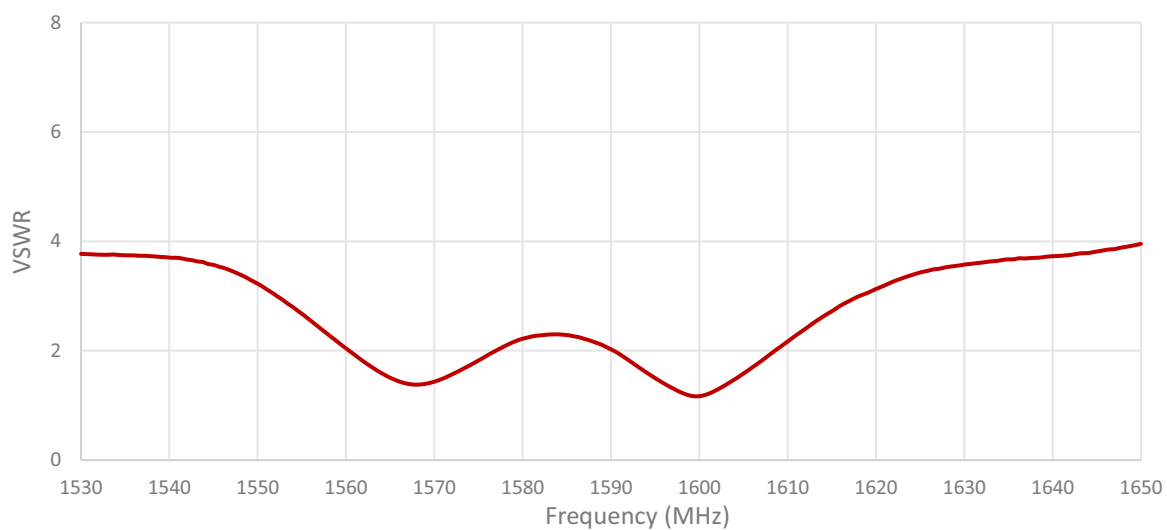
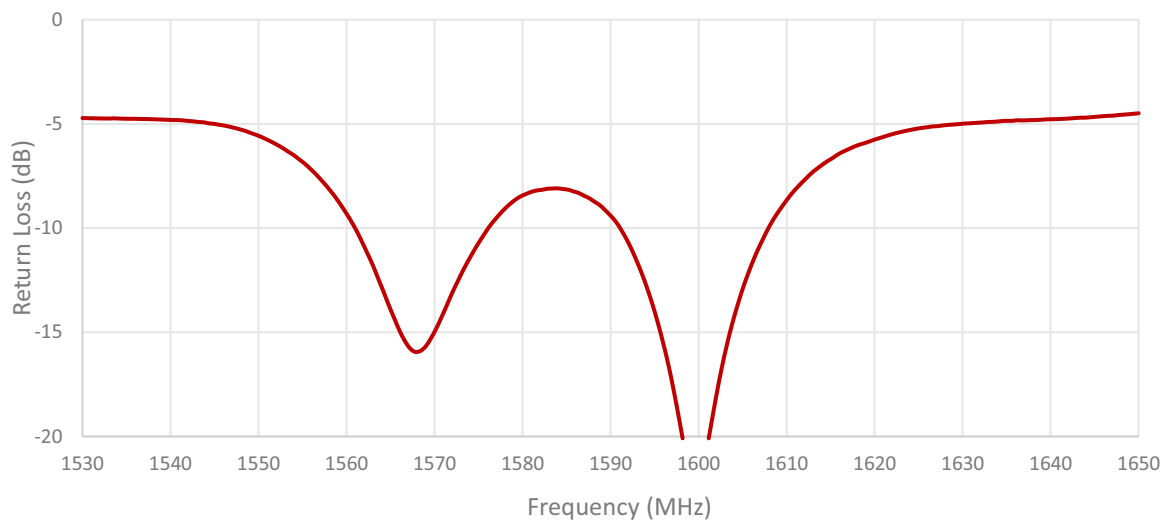
200 cm of D302

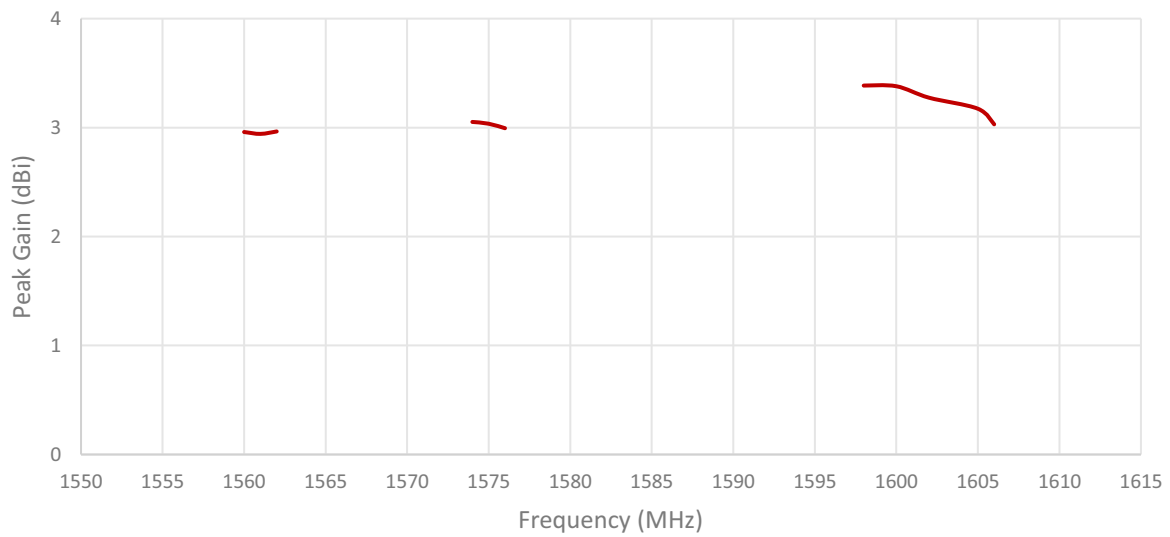
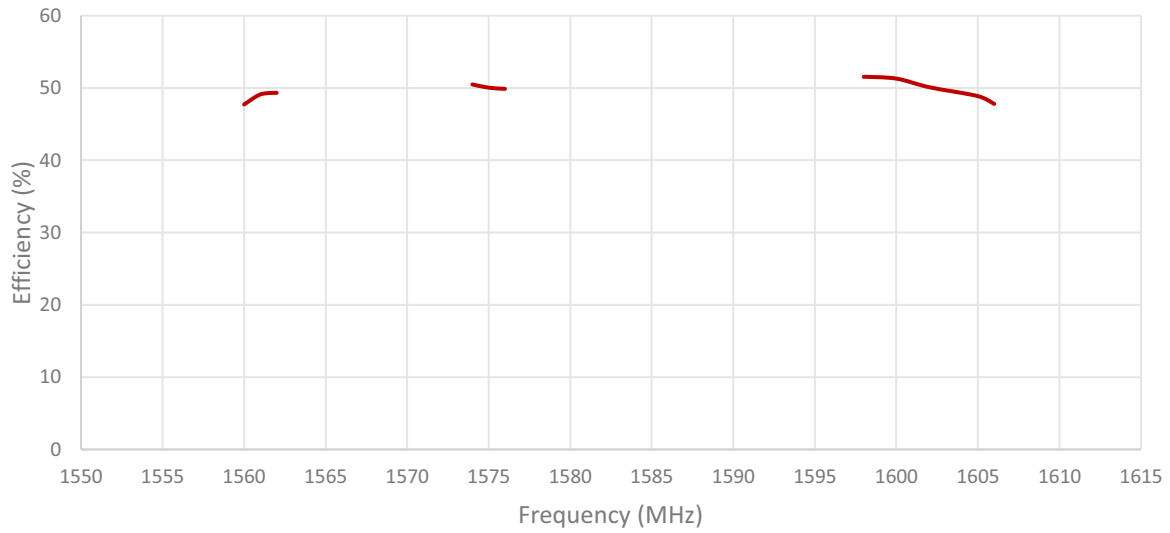
Measured in Certified CTIA 3D Anechoic Chamber

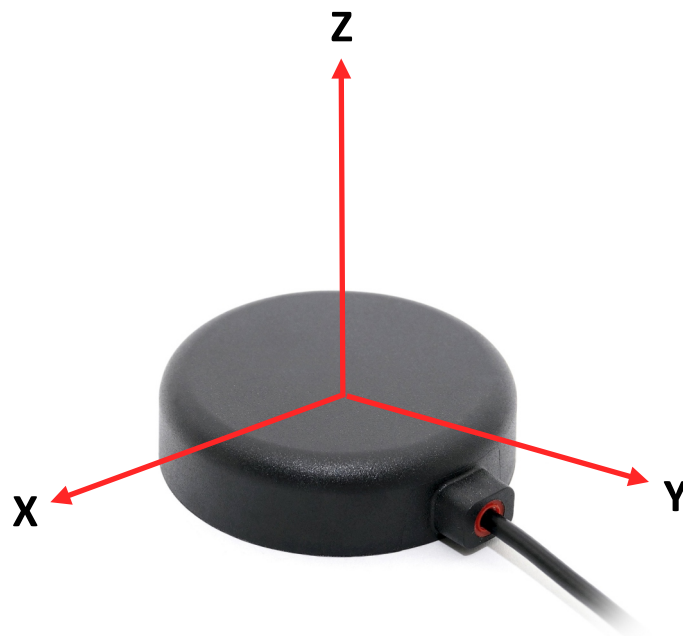
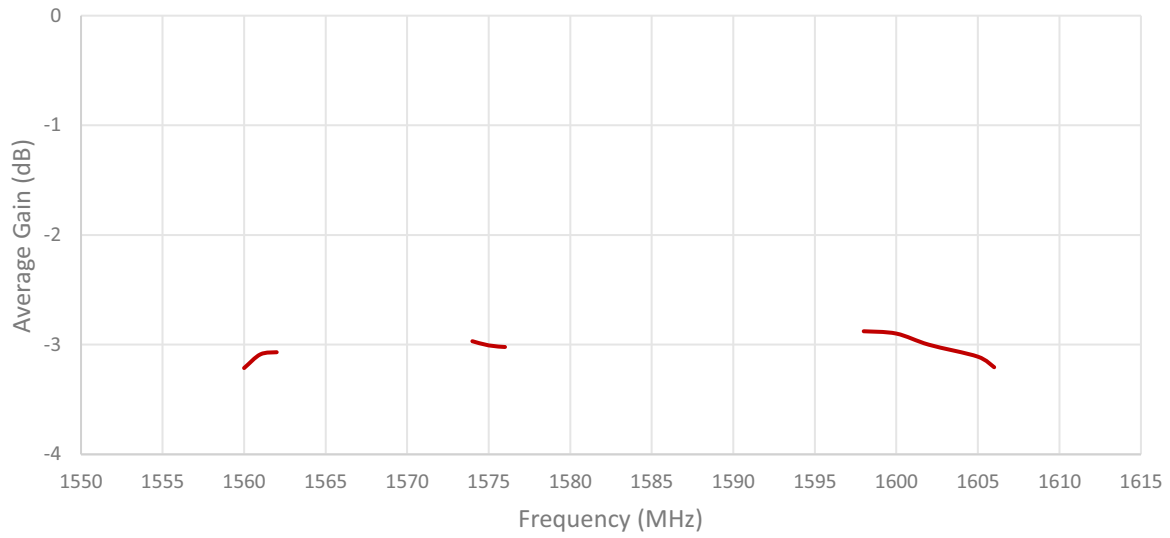
## 2. Mechanical and environmental specifications

Specifications	2J7401MPp
<b>Mounting Type</b>	Magnetic Mount
<b>Dimensions (mm)</b>	Ø 54 × 14.7
<b>Random Type</b>	PC+ASA
<b>Random Color</b>	Black
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Certificates</b>	IP67, IP69
<b>Substance Compliance</b>	RoHS

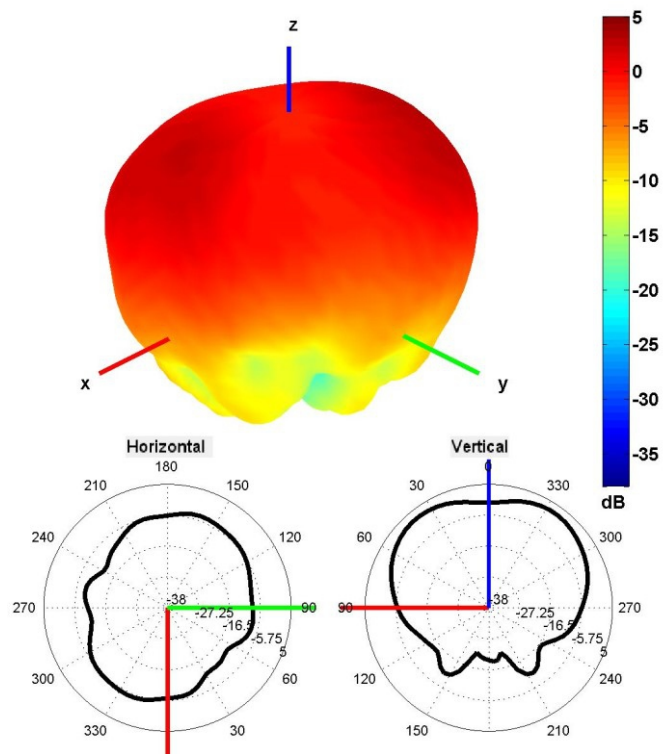
### 3. Antenna parameters





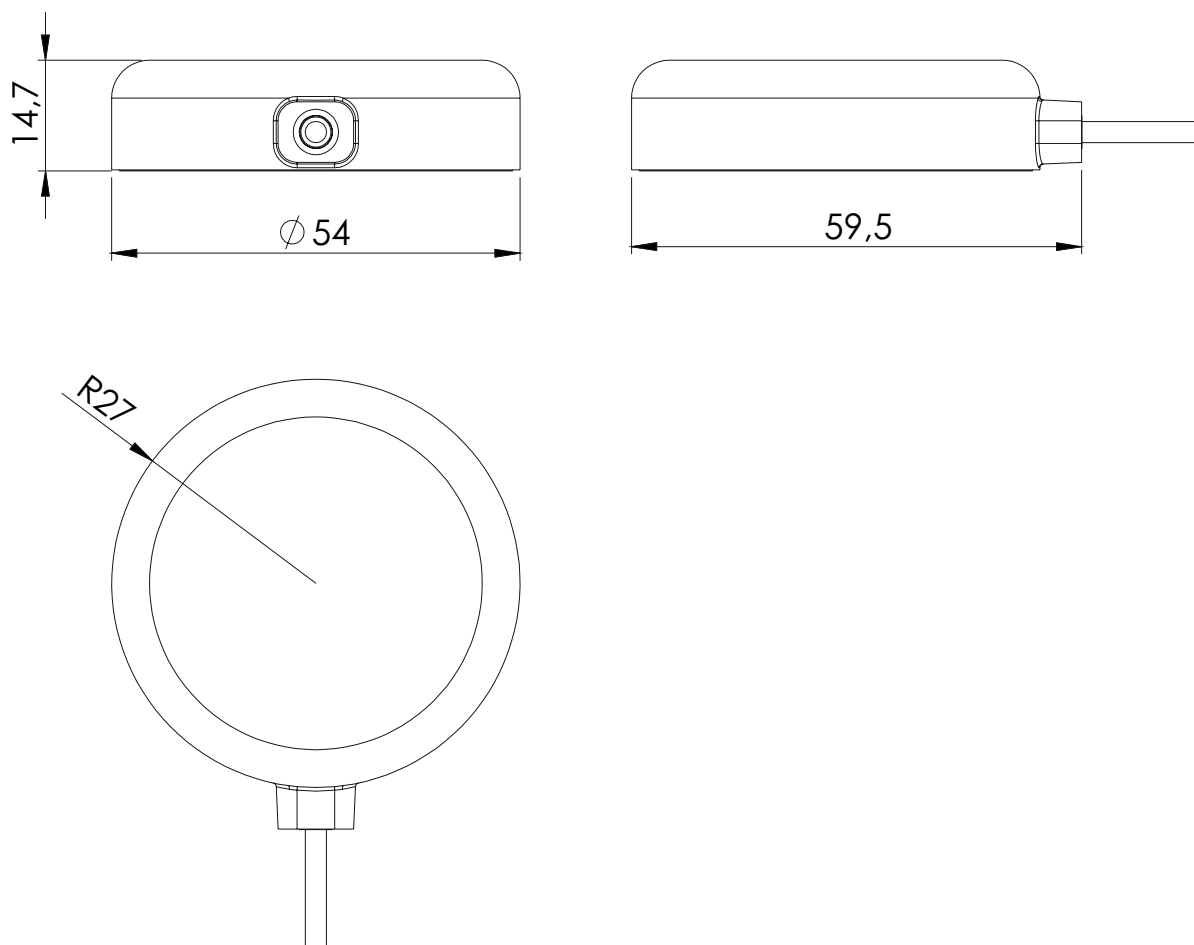


Radiation pattern reference



1575 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

