

## AMC-ANT-2J3702M-2.4

2.4GHz ISM magnetic mount antenna

### Features

- 2.4GHz ISM
  - 2410 – 2490MHz
- Magnetic mount
- Ground plane dependent
- Certificates: IP67
- Dimensions:  $\varnothing$  31 x 71.5mm
- Customisable cable and connector



## 1. Antenna and electrical specifications

<b>Parameters</b>	2.4GHz ISM antenna
<b>Standards</b>	Wi-Fi, Bluetooth, ZigBee, ISM
<b>Band (MHz)</b>	2.4GHz
<b>Frequency (MHz)</b>	2410 - 2490
<b>Return Loss (dB)</b>	~-22.7
<b>VSWR</b>	~1.2:1
<b>Efficiency (%)</b>	~43
<b>Peak Gain (dBi)</b>	~1.6
<b>Average Gain (dB)</b>	~-3.6
<b>Impedance (Ohms)</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>	300cm standard (other lengths available)
<b>Cable Type</b>	RG174 (other cables available)

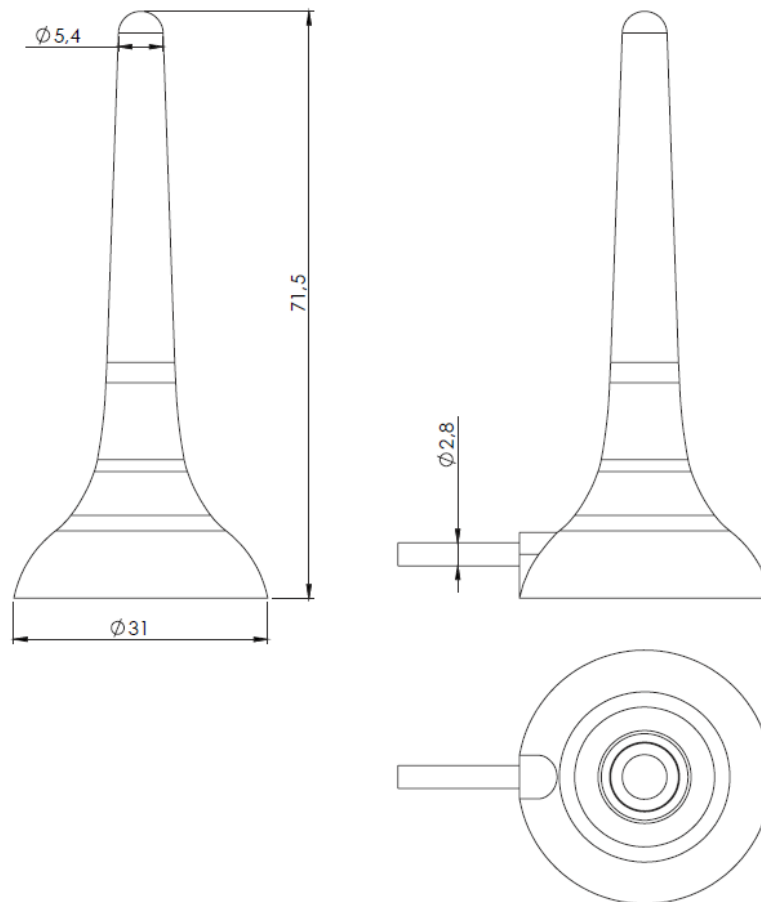
### Measurement conditions:

- Mounted on 30 x 30cm metal plate
- 200cm RG174 cable
- Measured in certified CTIA 3D anechoic chamber

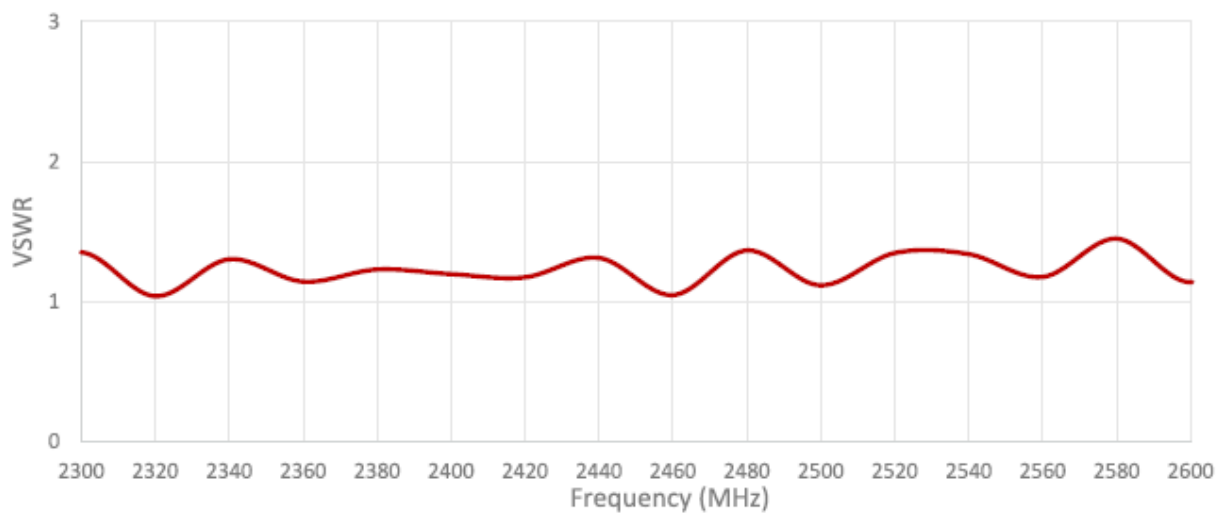
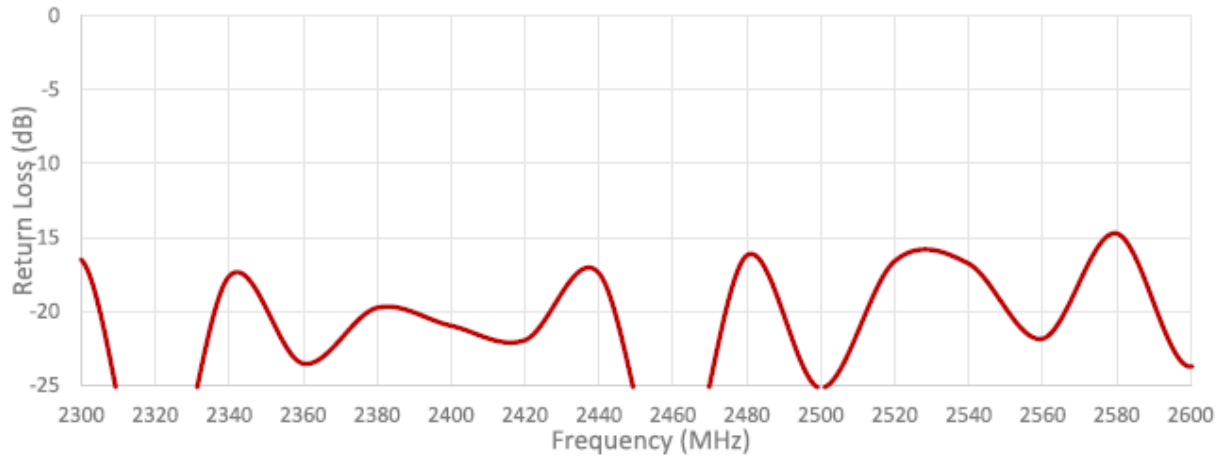


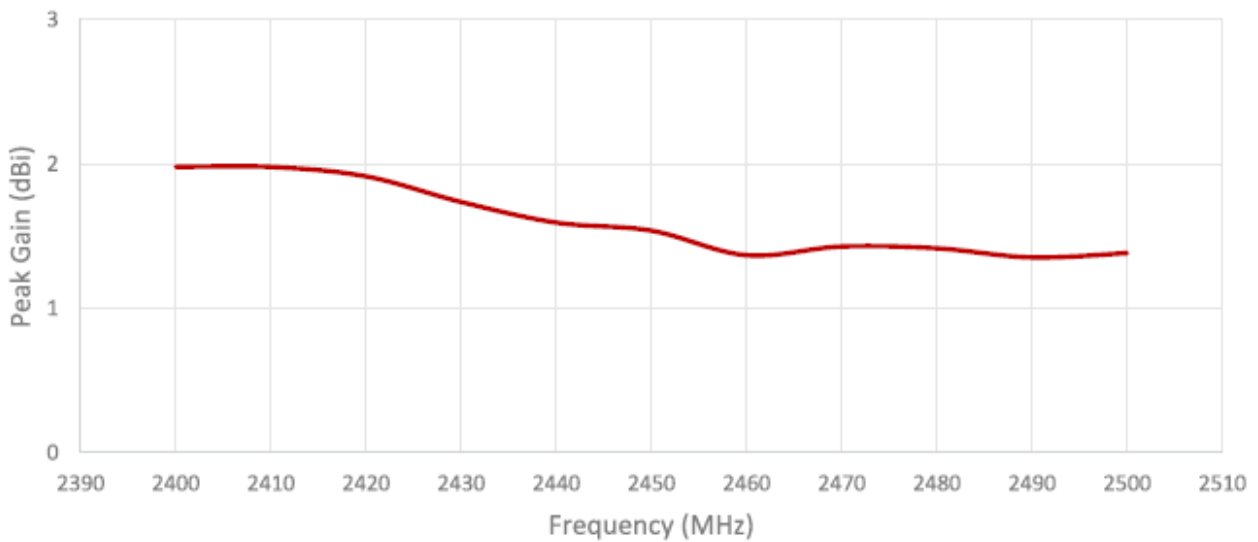
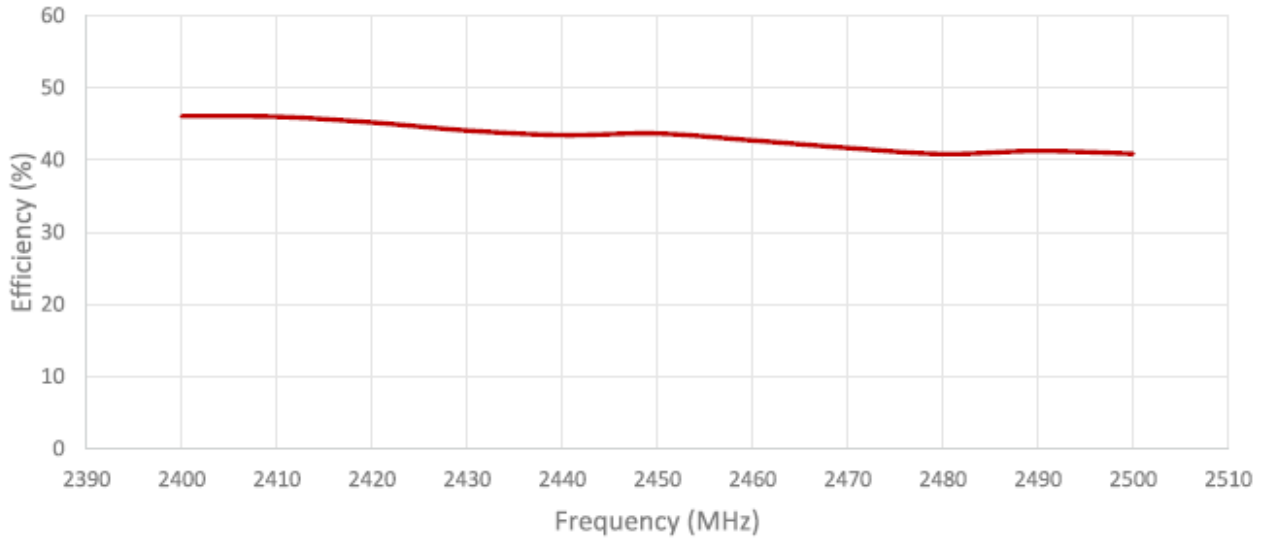
## 2. Mechanical and environmental specifications

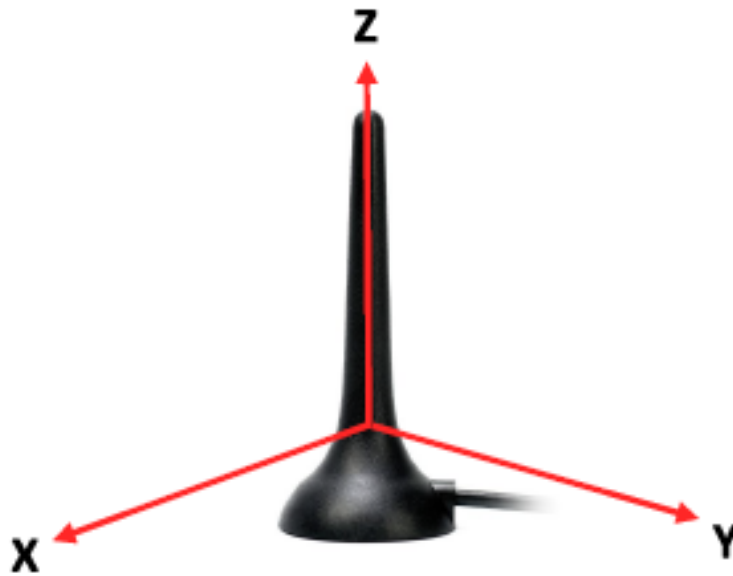
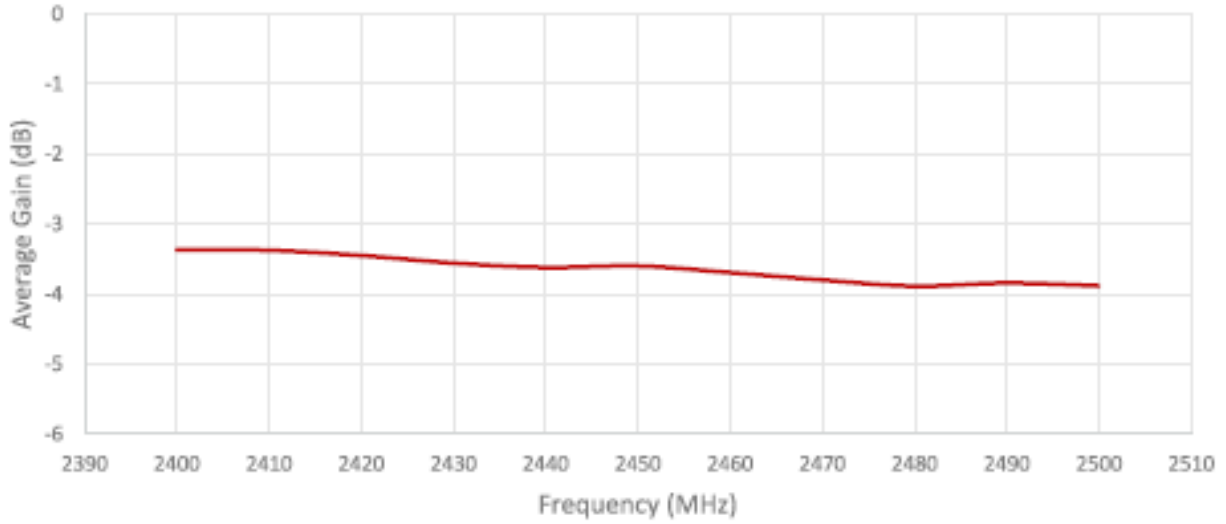
<b>Mounting Type</b>	Magnetic mount
<b>Dimensions (mm)</b>	Ø 31 x 71.5
<b>Radome Type</b>	ABS
<b>Radome Colour</b>	Black
<b>Antenna Base</b>	ABS
<b>Operating Temperature (°C)</b>	-40 to +85
<b>Storage Temperature (°C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS
<b>Certificates</b>	IP67



### 3. Antenna parameters

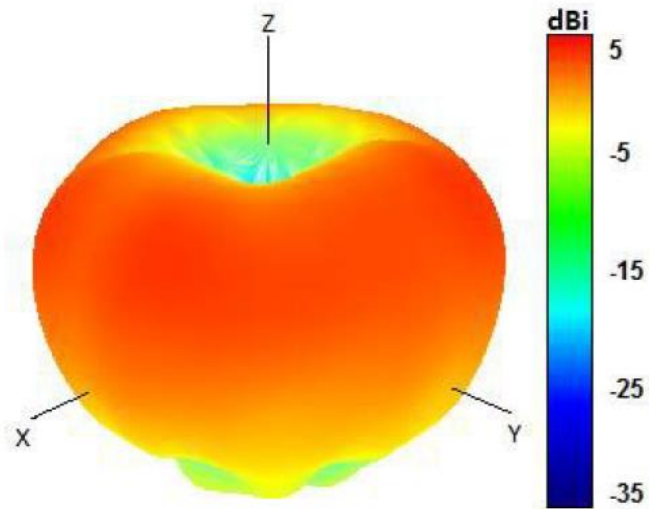






Radiation pattern reference





2450 MHz Radiation pattern

