

## AMC-ANT-2JW0302-2.4-C442B

### 2.4GHz ISM connector mount antenna

#### Features

- 2.4GHz ISM
  - 2410 – 2490MHz
- Connector mount
- Hinged connector
- High efficiency
- Ground plane independent
- Hinged connector mount
- Dimensions: 113 x 10mm



## 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>	~-10
<b>VSWR</b>	~1.9:1
<b>Efficiency (%)</b>	~62
<b>Peak gain (dBi)</b>	~1.5
<b>Average gain (dB)</b>	~-2.0
<b>Impedance (Ohms)</b>	50
<b>Polarization</b>	Vertical
<b>Radiation Pattern</b>	Omni-Directional
<b>Max. Input Power (W)</b>	25
<b>Connector type</b>	RP-SMA male standard

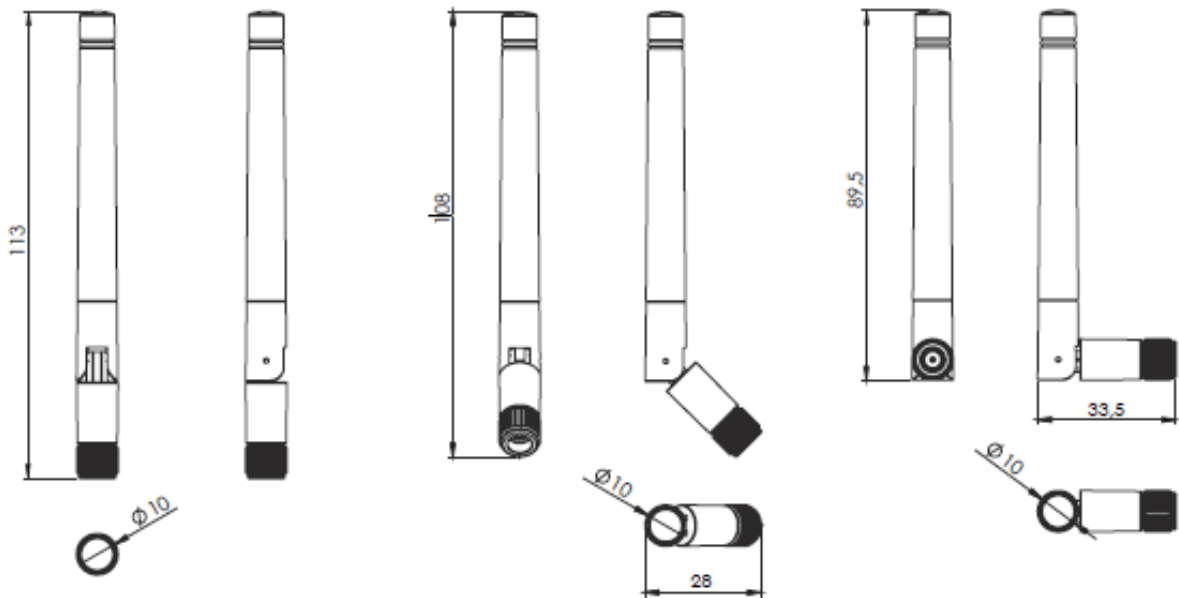
### Measurement conditions:

- Free space
- Measured in certified CTIA 3D anechoic chamber

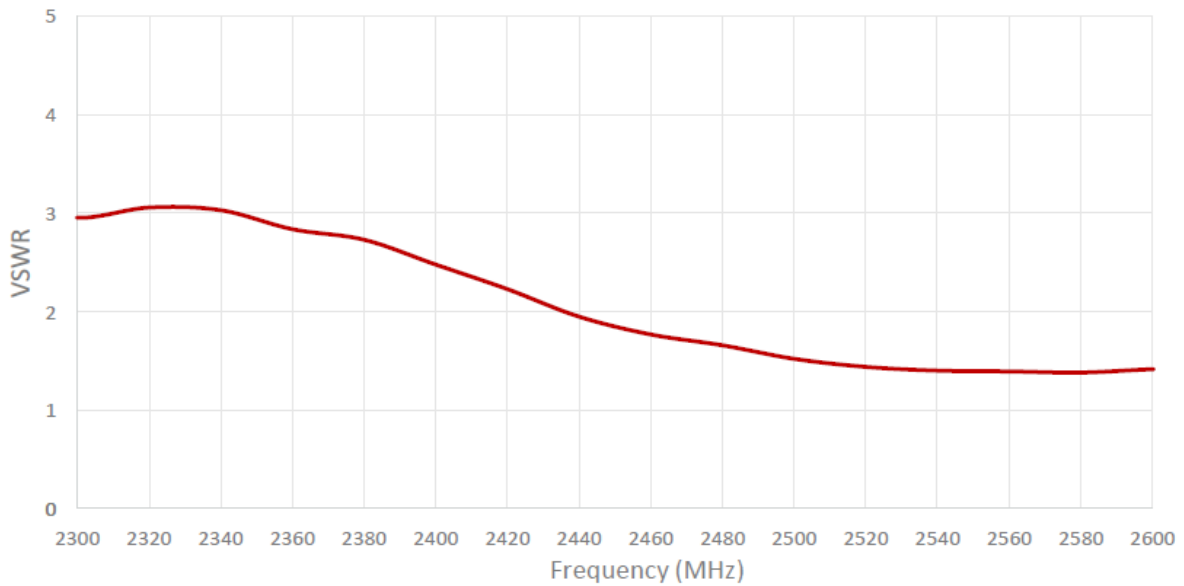
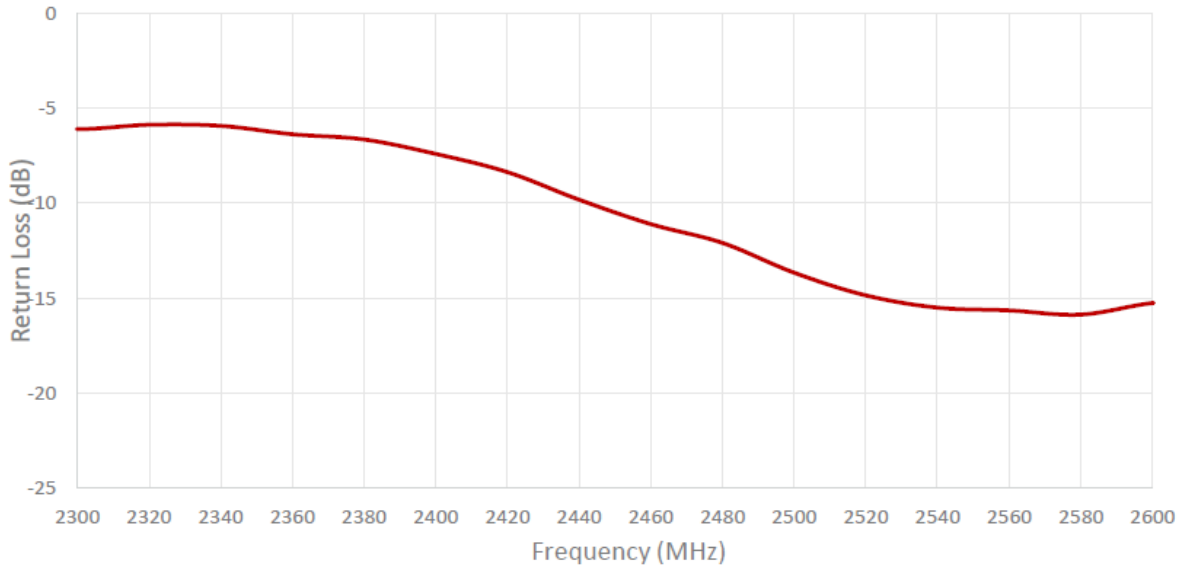


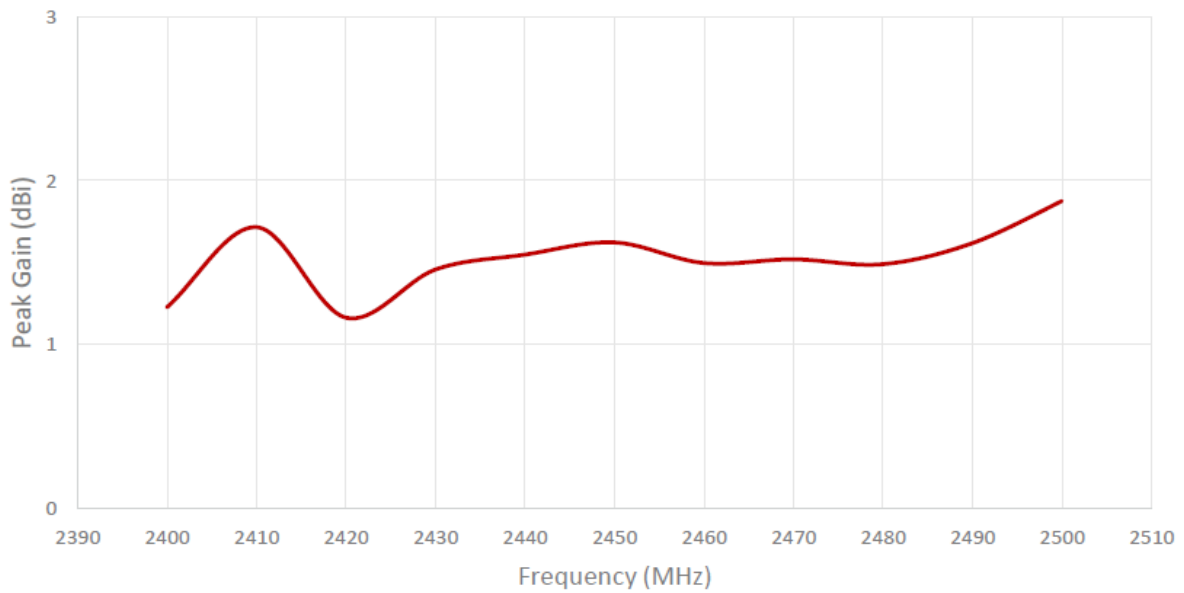
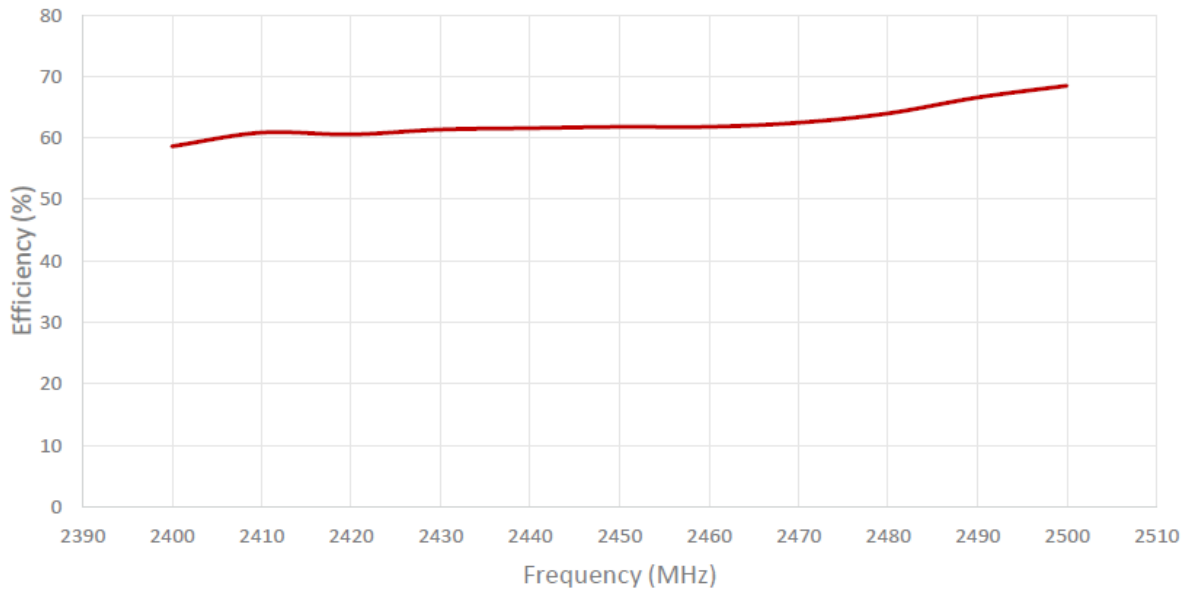
## 2. Mechanical and environmental specifications

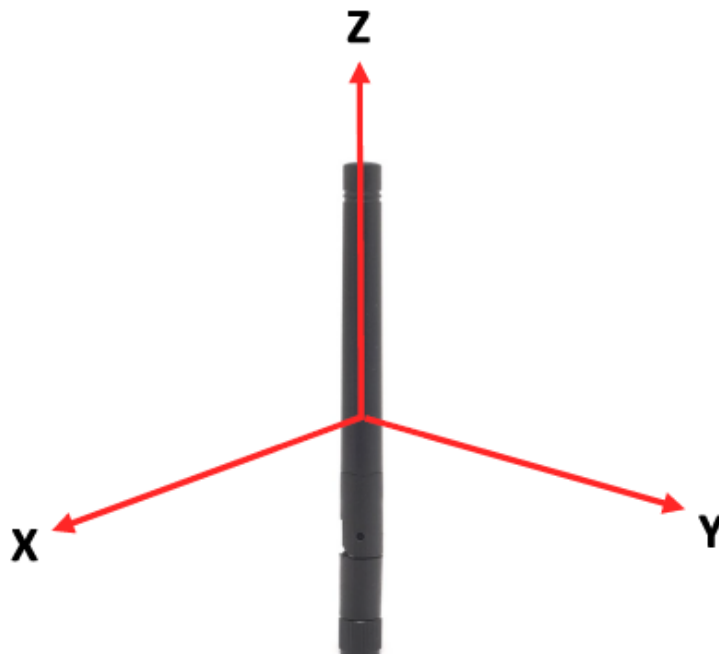
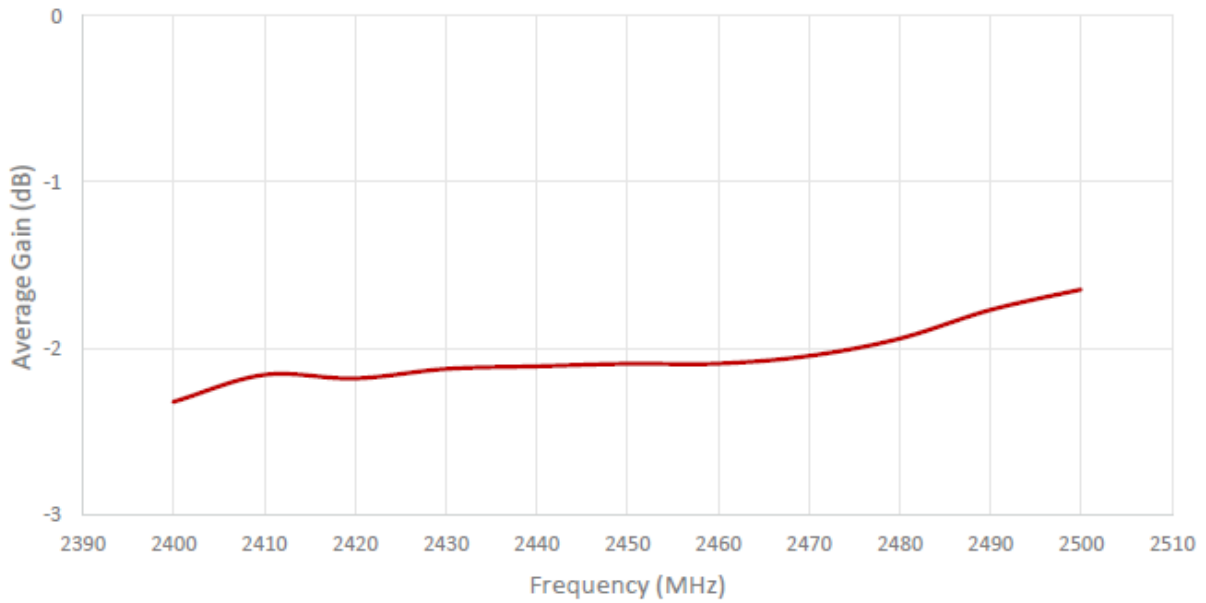
<b>Mounting type</b>	Connector mount
<b>Dimensions (mm)</b>	113 x 10
<b>Radome</b>	ABS UV stable
<b>Radome colour</b>	Black
<b>Operating temperature (°C)</b>	-40 to +85
<b>Storage temperature (°C)</b>	-40 to +85
<b>Substance compliance</b>	RoHS



### 3. Antenna parameters

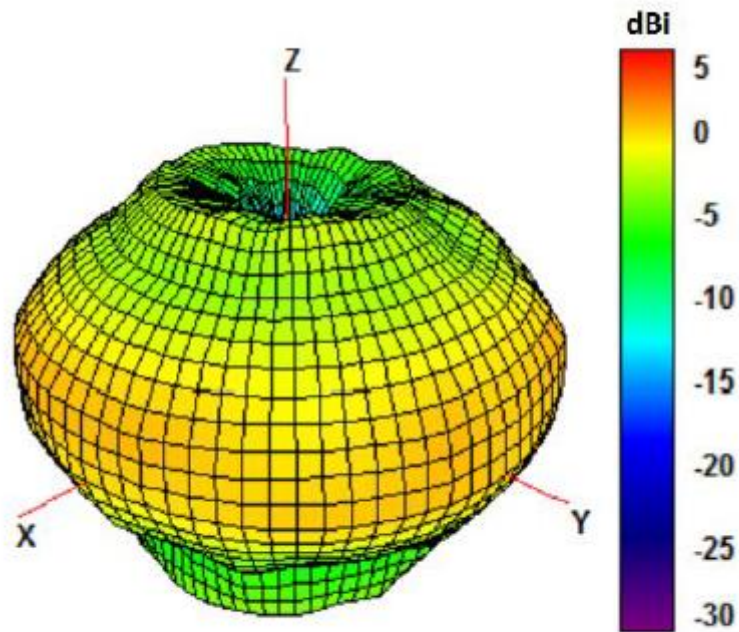






Radiation pattern reference





2450 MHz Radiation pattern

