

## AMC-ANT-2JP0215P

### 915MHz fibreglass PCB antenna

#### Features

- 915MHz ISM
  - 902 - 928MHz
- Self-adhesive
- Ground plane independent
- Dimensions: 35 x 6.5 x 0.8mm
- Customisable cable and connector



## 1. Antenna and electrical specifications

<b>Parameters</b>	915MHz ISM antenna
<b>Standards</b>	ZigBee, ISM, Sigfox, LoRa
<b>Band (MHz)</b>	915
<b>Frequency (MHz)</b>	902 - 928
<b>Return Loss (dB)</b>	~-12.1
<b>VSWR</b>	~1.7:1
<b>Efficiency (%)</b>	~36.0
<b>Peak Gain (dBi)</b>	~-0.4
<b>Average Gain (dB)</b>	~-4.4
<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>	U.FL standard (other connectors available)
<b>Cable Length</b>	100mm standard (other cable lengths available)
<b>Cable Type</b>	1.37mm mini coax standard (other cables available)

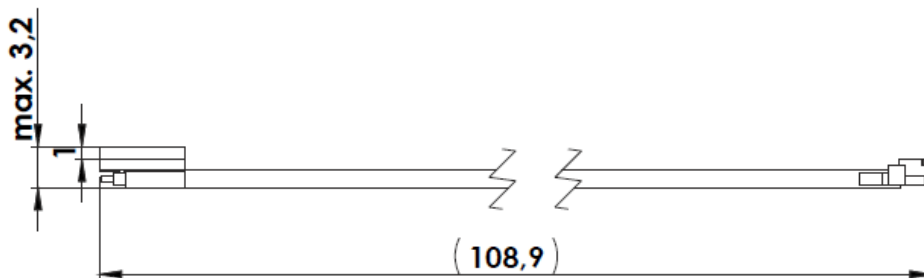
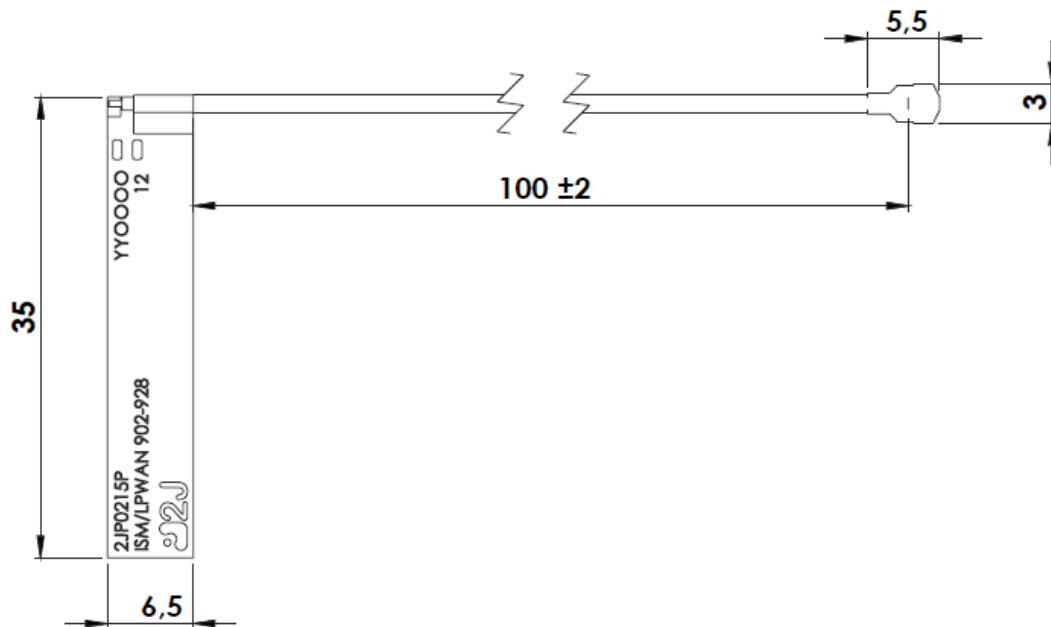
### Antenna measurement conditions:

- Mounted on 30 x 30 x 0.25cm ABS plate
- 100mm 1.37mm cable
- Measured in certified CTIA 3D anechoic chamber

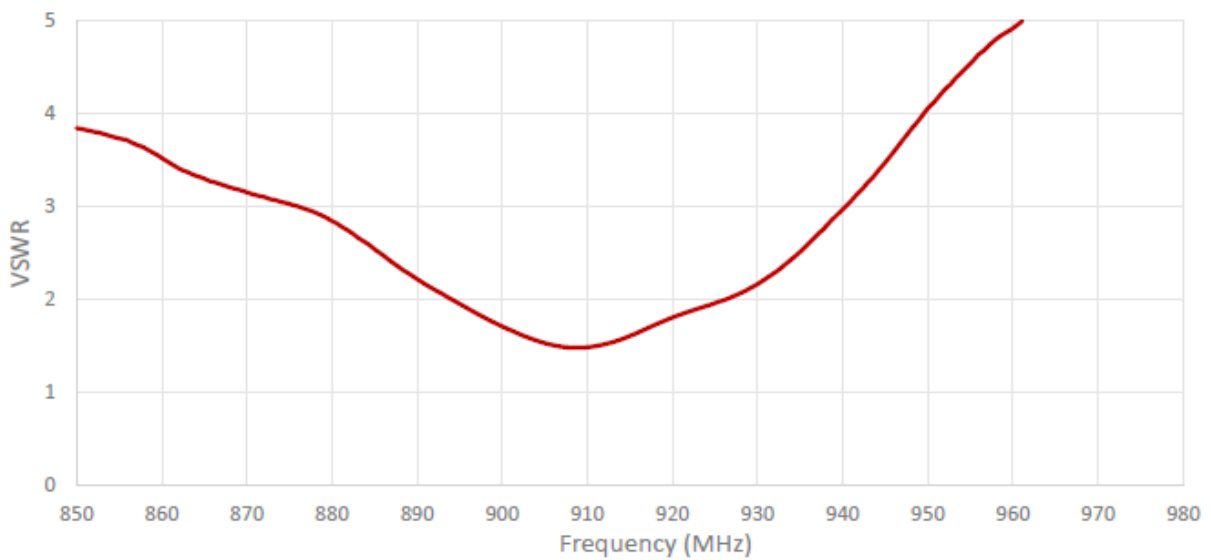
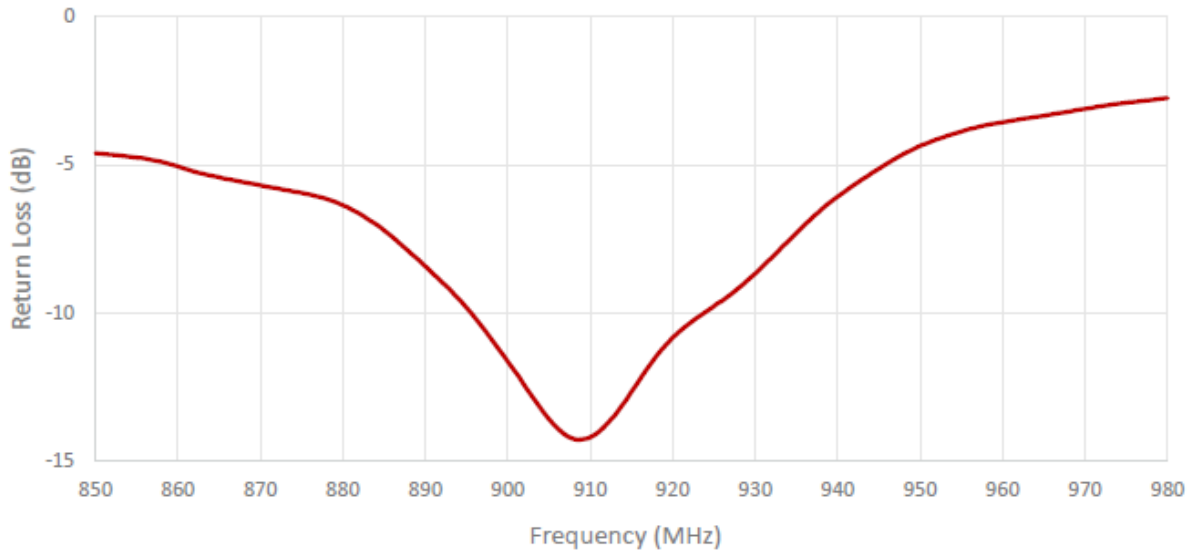


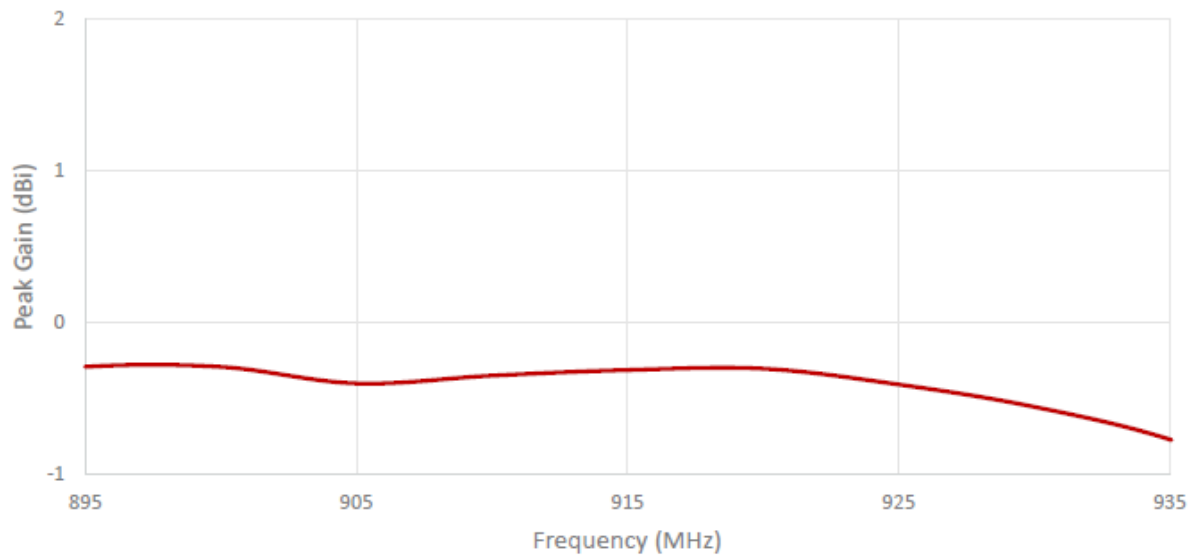
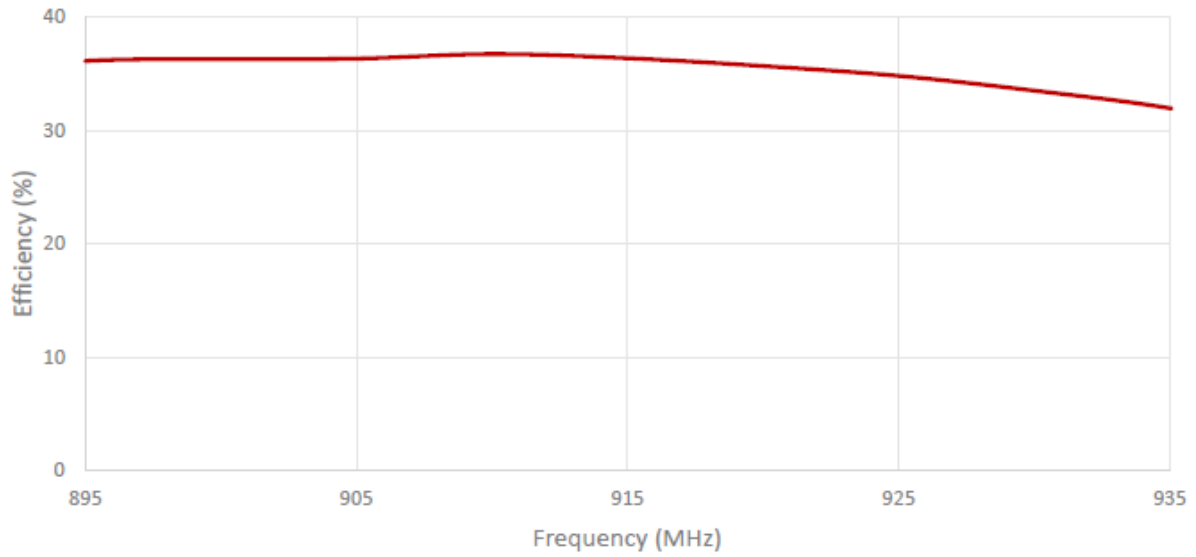
## 2. Mechanical and environmental specifications

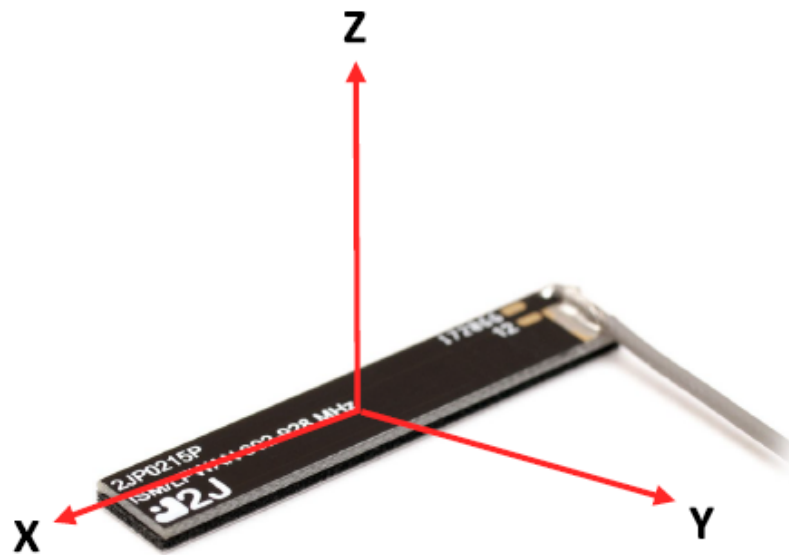
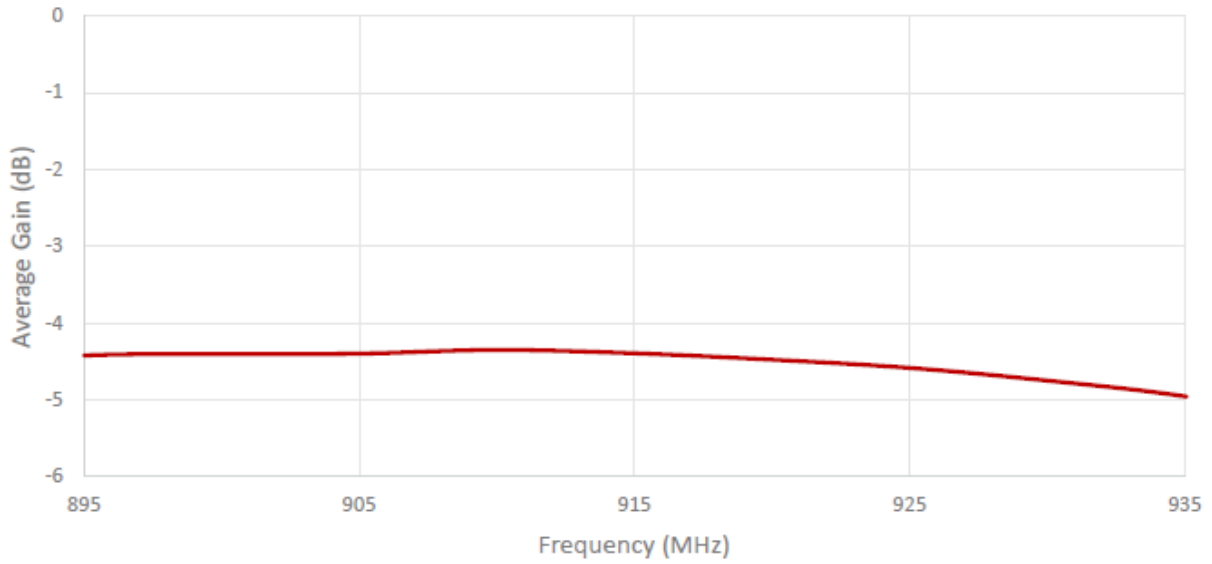
<b>Mounting Type</b>	Self-adhesive
<b>Dimensions (mm)</b>	35.0 x 6.5 x 0.8
<b>Adhesive Type</b>	3M 467
<b>Material</b>	Rigid fibreglass
<b>Operating Temperature (°C)</b>	-40 to +85
<b>Storage Temperature (°C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS



### 3. Antenna parameters

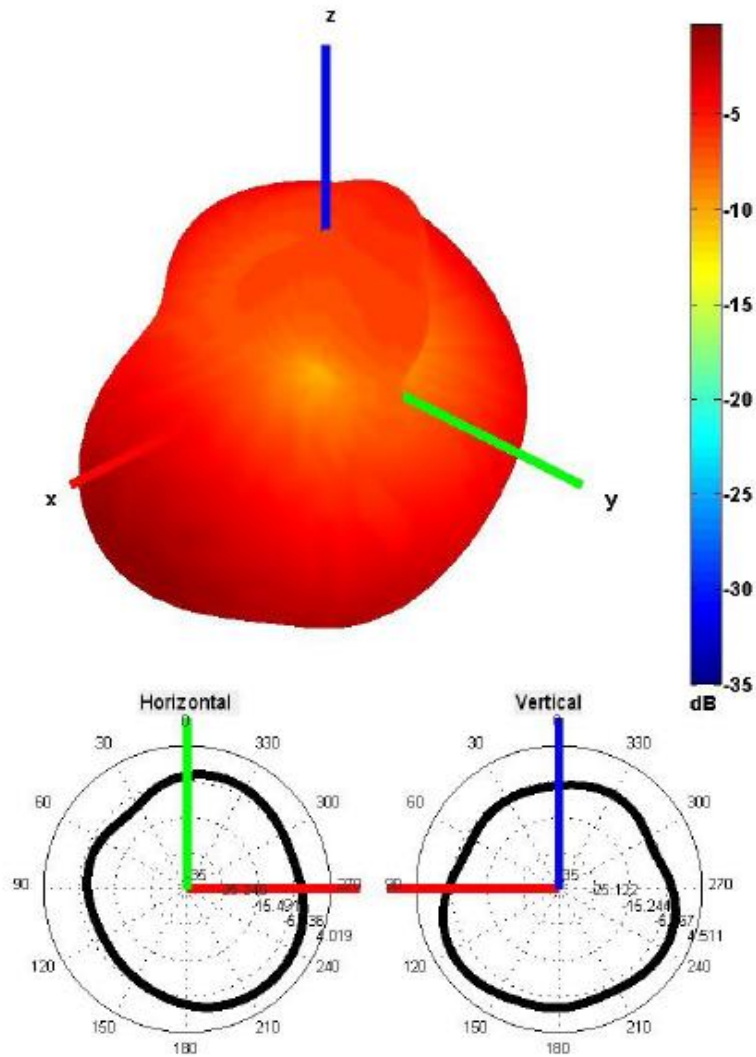






Radiation pattern reference





915 MHz Radiation pattern

