

## AMC-ANT-2JF0415P

868/915MHz flexible polymer (FPC) antenna

### Features

- 868/915MHz ISM
  - 863 - 870MHz
  - 902 – 928MHz
- Self-adhesive
- Flexible material
- High performance
- Ground plane independent
- Dimensions: 70 x 25 0.2mm
- Customisable cable and connector



## 1. Antenna and electrical specifications

<b>Parameters</b>	868/915MHz ISM antenna	
<b>Standards</b>	ZigBee, ISM, Sigfox, LoRa	
<b>Band (MHz)</b>	868	915
<b>Frequency (MHz)</b>	863 - 870	902 - 928
<b>Return Loss (dB)</b>	~-8.0	-2.1
<b>VSWR</b>	~2.3:1	~1.2:1
<b>Efficiency (%)</b>	~58	~77
<b>Peak Gain (dBi)</b>	~2.7	~3.6
<b>Average Gain (dB)</b>	~-2.3	~-1.1
<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)	

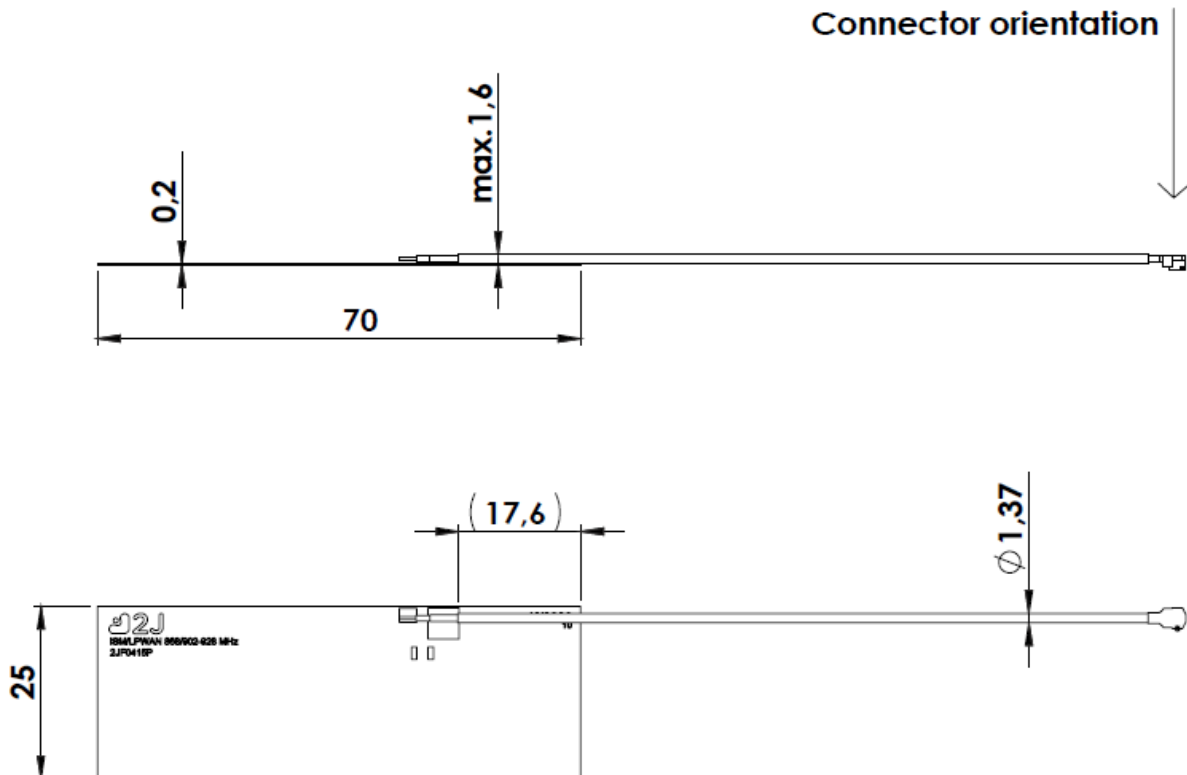
### Antenna measurement conditions:

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

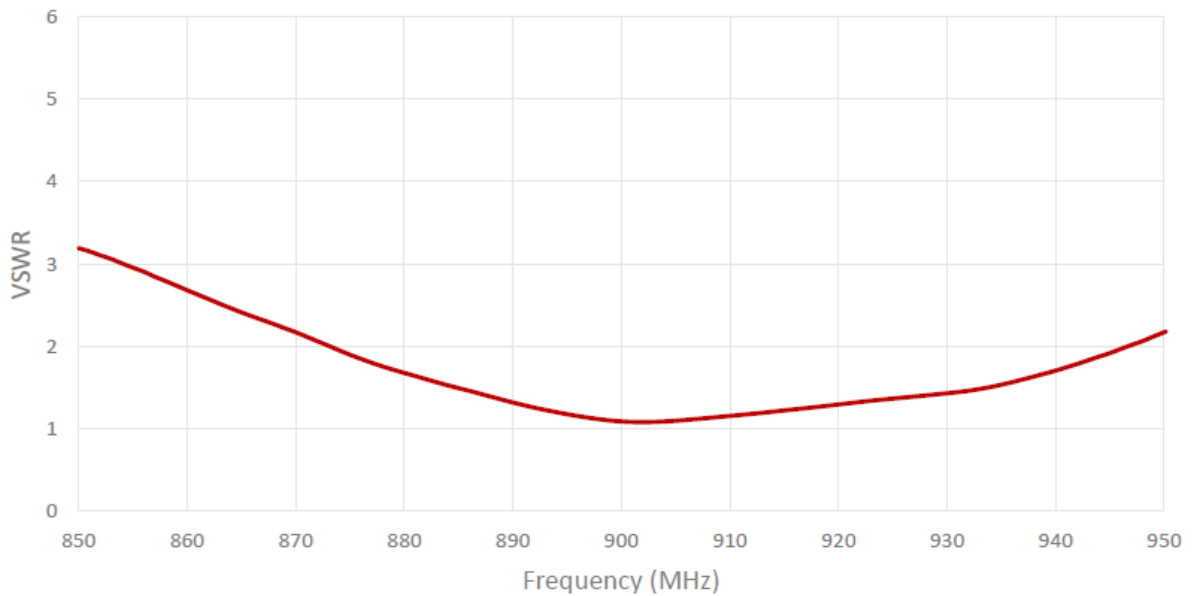
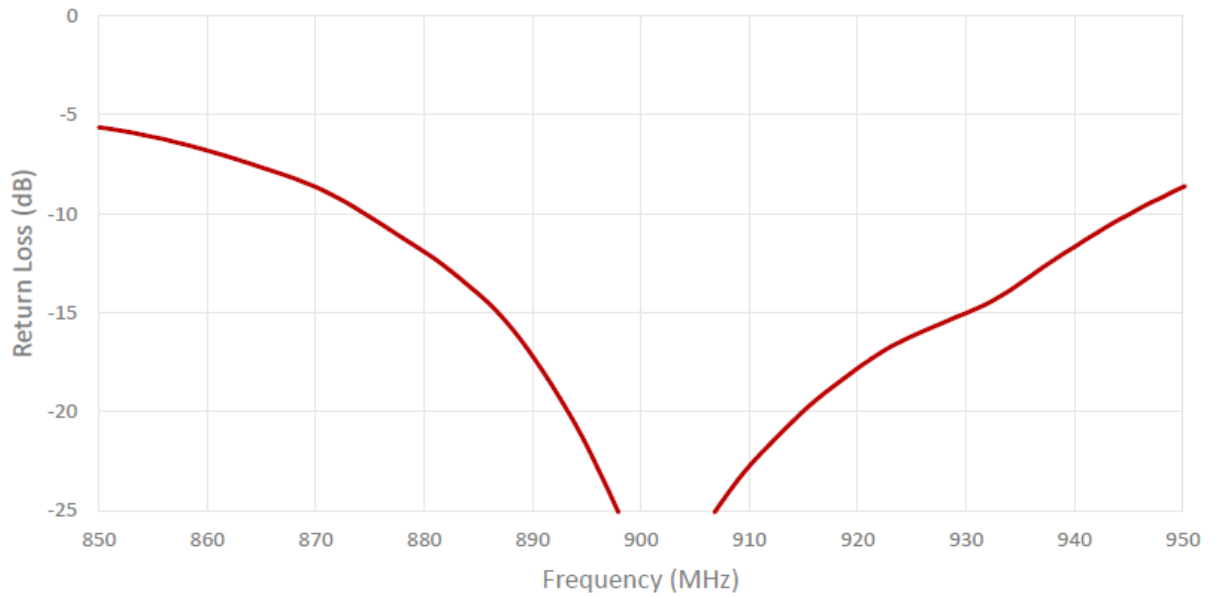


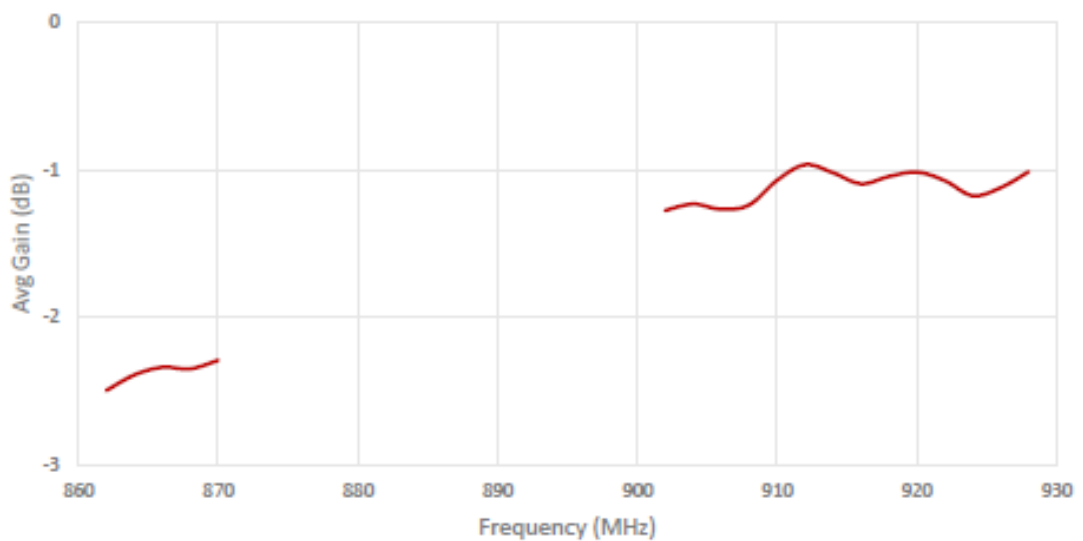
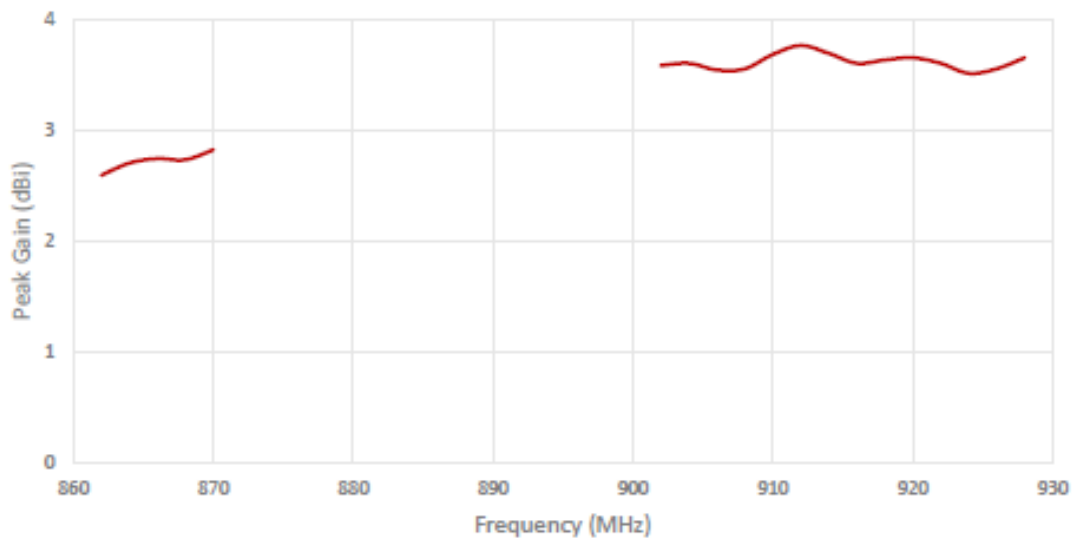
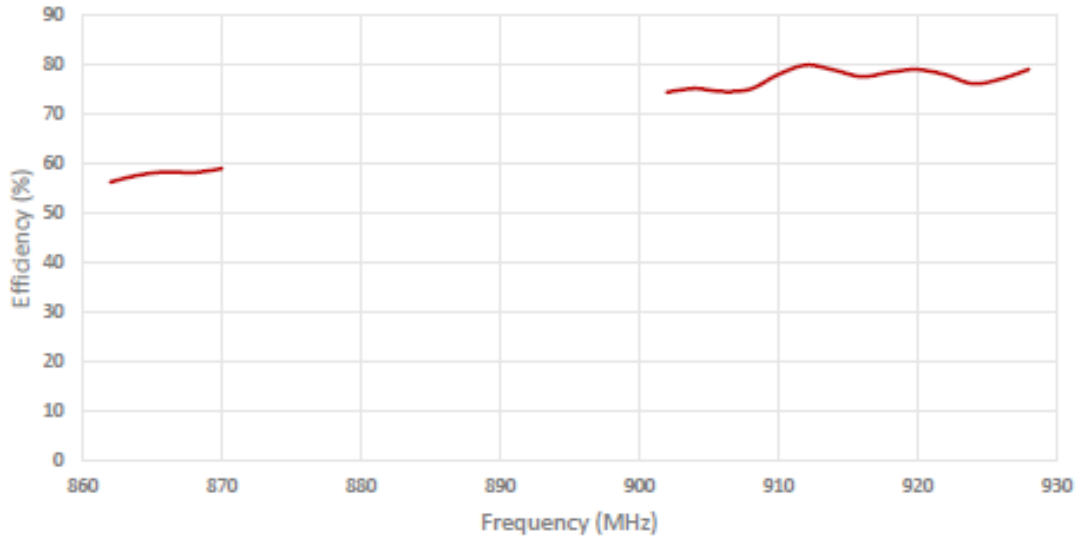
## 2. Mechanical and environmental specifications

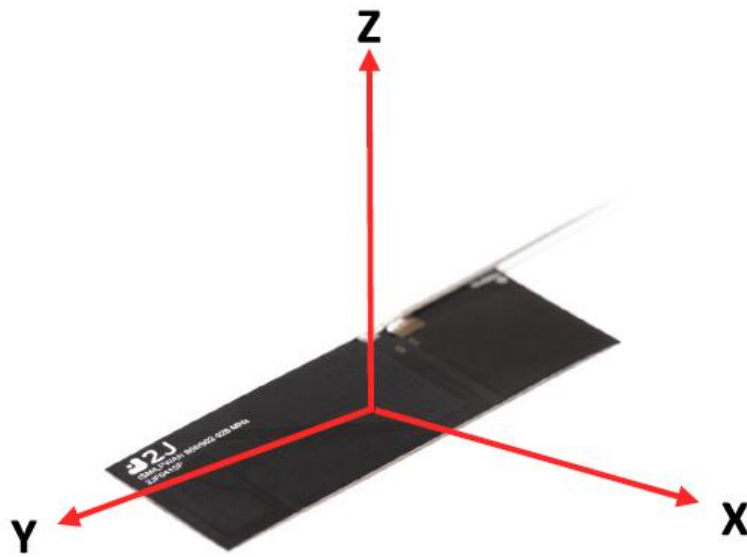
<b>Mounting Type</b>	Self-adhesive
<b>Dimensions (mm)</b>	70 x 25 x 0.2
<b>Adhesive Type</b>	3M 467
<b>Material</b>	Flexible polymer
<b>Operating Temperature (°C)</b>	-40 to +85
<b>Storage Temperature (°C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS



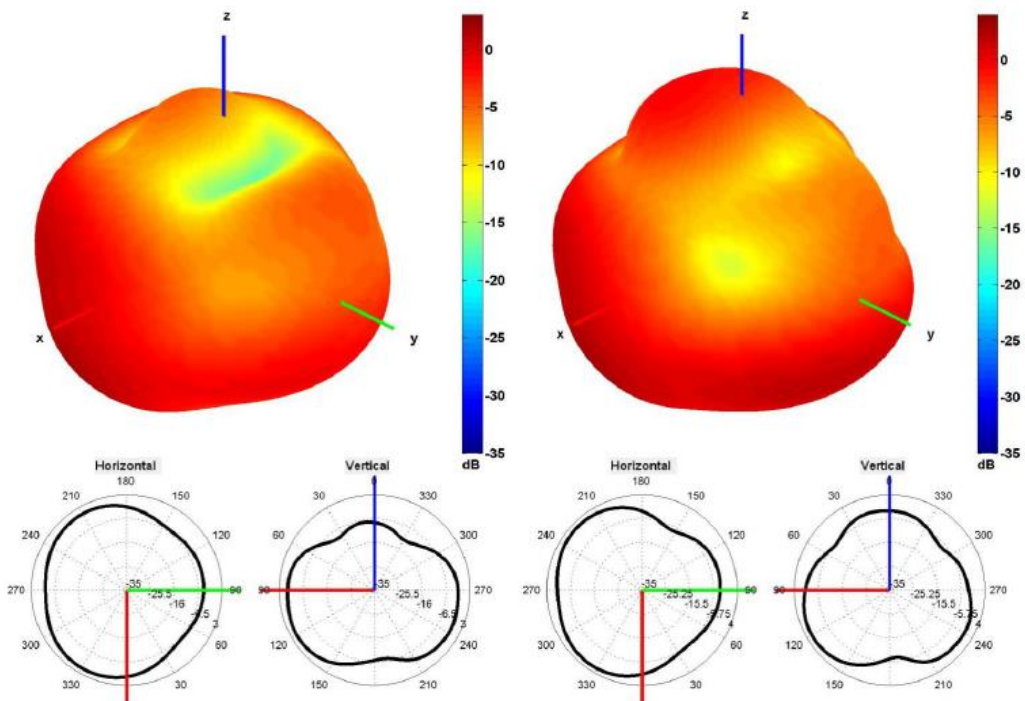
### 3. Antenna parameters







Radiation pattern reference



868 and 915 MHz Radiation pattern

