

## AMC-ANT-2JP0102P-SP

2.4/5.0/6.0GHz ISM rigid fibreglass antenna

### Features

- 2.4/5.0/6.0GHz ISM
  - 2410 – 2490MHz
  - 4920 – 7125MHz
- Wi-Fi 6E antenna
- High performance
- Ground plane independent
- Self-adhesive
- Dimensions: 17.5 x 6.5 x 1.4mm
- Customisable cable and connector



## 1. Antenna and electrical specifications

<b>Parameters</b>	2.4/5.0/6.0GHz ISM antenna		
<b>Standards</b>	Wi-Fi 6E, Bluetooth, ZigBee, ISM		
<b>Band (MHz)</b>	2.4GHz	5.0GHz	6.0GHz
<b>Frequency (MHz)</b>	2410 - 2490	4920 - 5925	5925 - 7125
<b>Return Loss (dB)</b>	~-8.3	~-12.6	~-14.2
<b>VSWR</b>	~2.4:1	~2.2:1	~1.8:1
<b>Efficiency (%)</b>	~47	~54	~50
<b>Peak Gain (dBi)</b>	~2.5	~3.5	~3.2
<b>Average Gain (dB)</b>	~-3.2	~-2.7	~-3.0
<b>Impedance (Ohms)</b>	50		
<b>Polarization</b>	Linear		
<b>Radiation Pattern</b>	Omni-Directional		
<b>Max. Input Power (W)</b>	10		
<b>Connector Type</b>	U.FL standard (other connectors available)		
<b>Cable Length</b>	100mm standard (other lengths available)		
<b>Cable Type</b>	1.37mm mini coax standard (other cables available)		

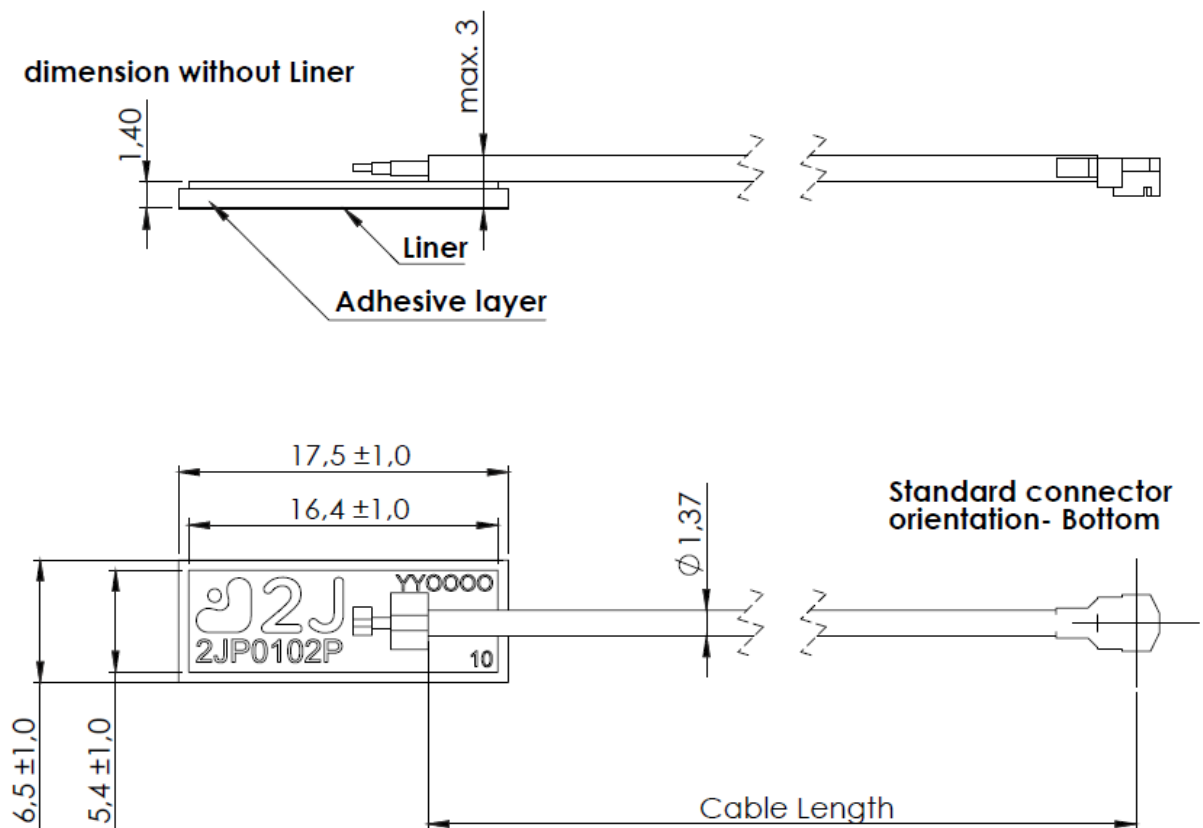
### Measurement conditions:

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

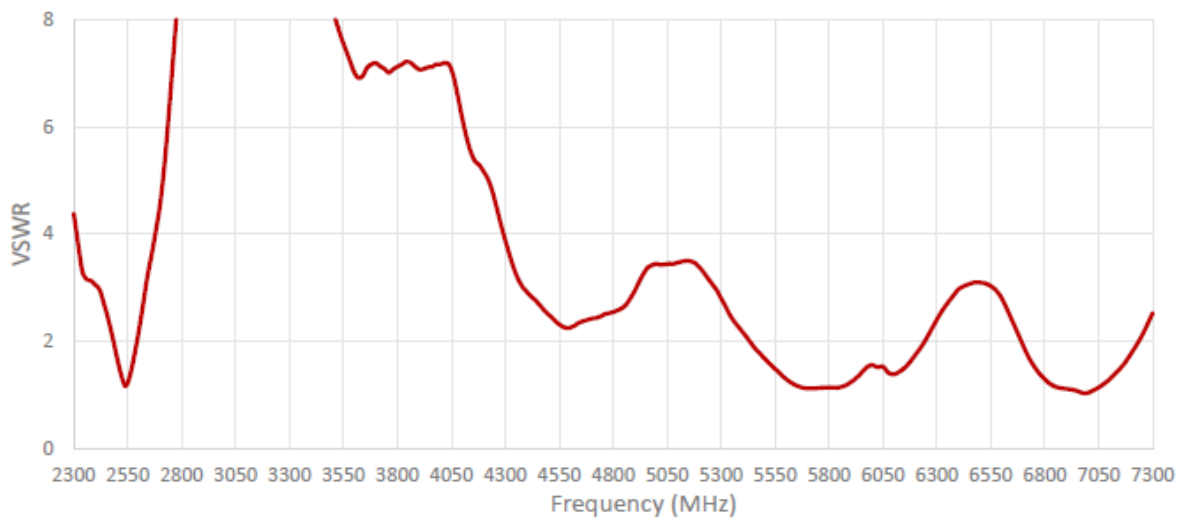
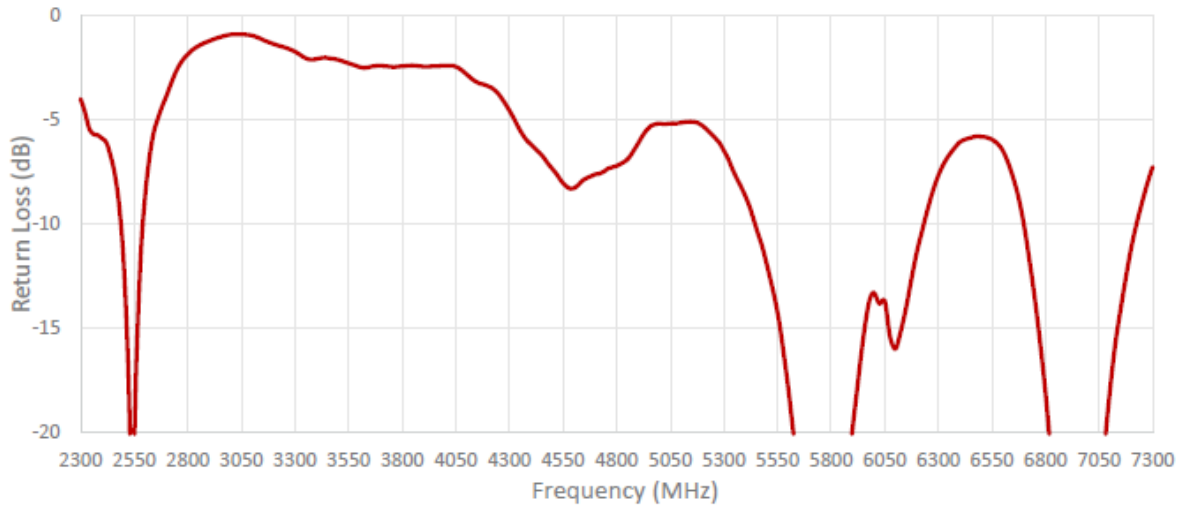


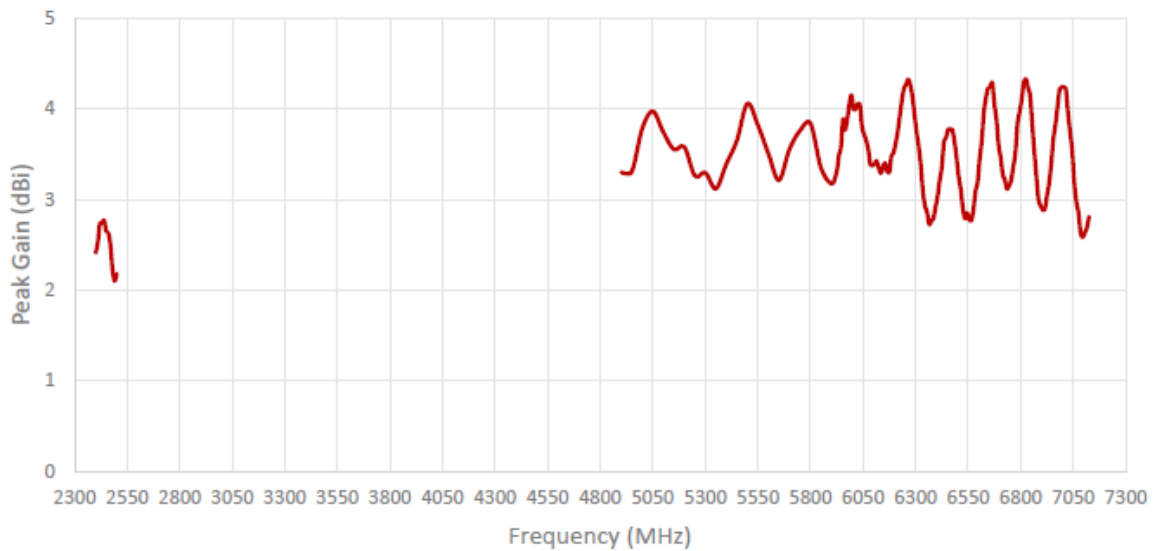
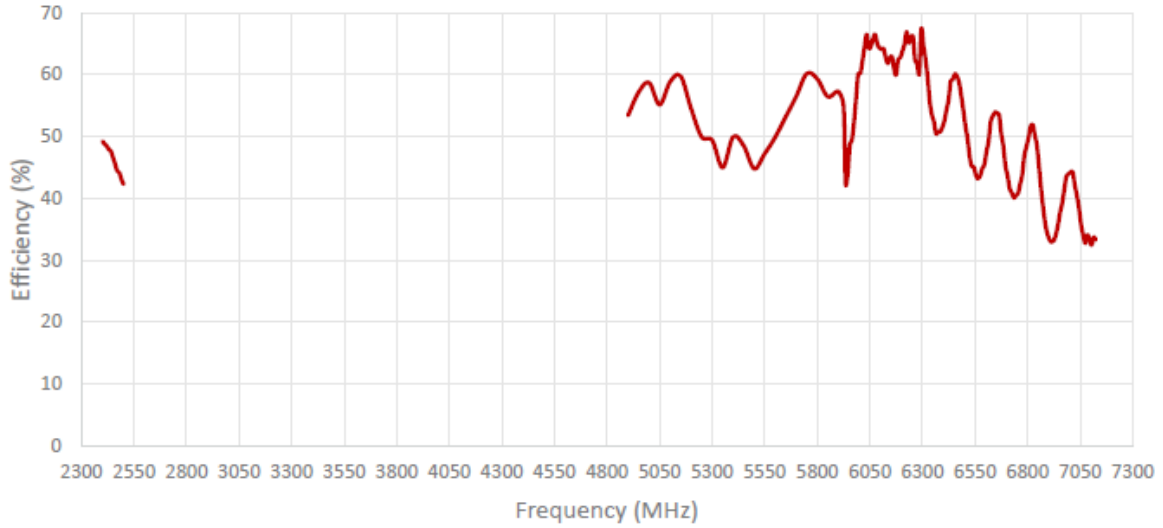
## 2. Mechanical and environmental specifications

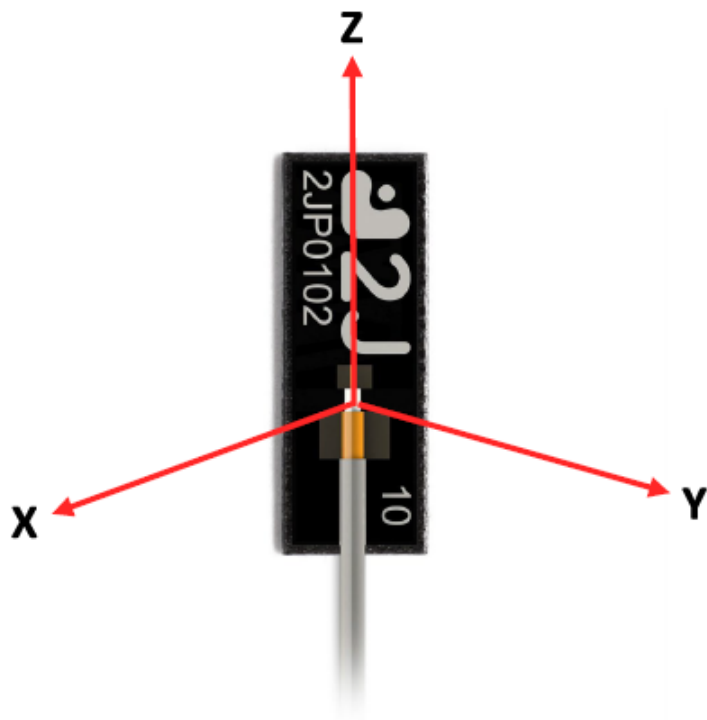
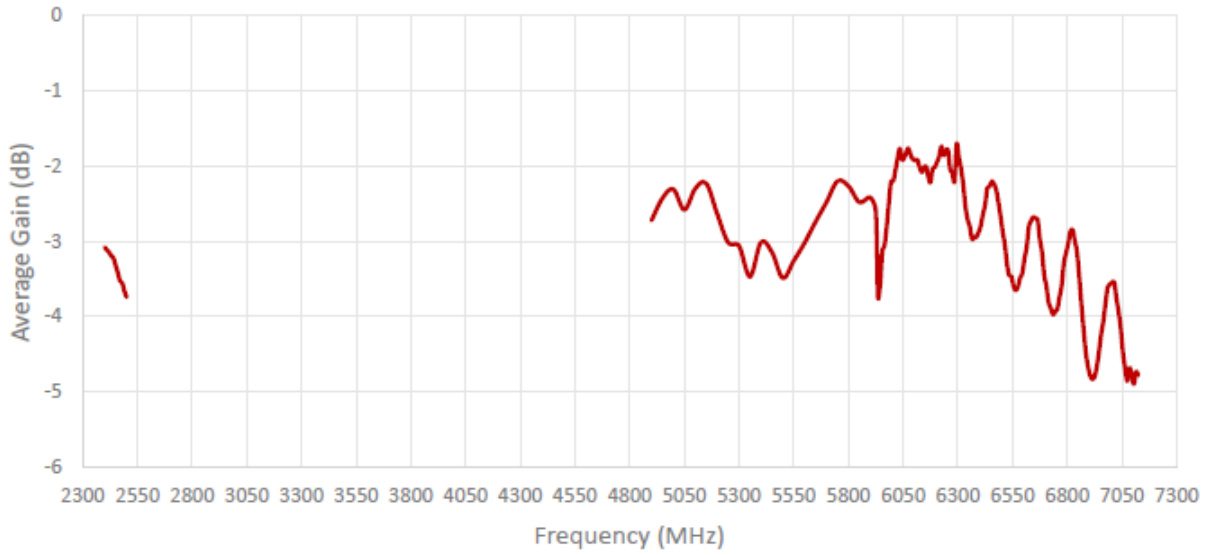
<b>Mounting type</b>	Self-adhesive
<b>Dimensions (mm)</b>	17.5 x 6.5 x 1.4
<b>Adhesive Type</b>	3M 467
<b>Material</b>	Rigid fibreglass
<b>Operating Temperature (°C)</b>	-40 to +85
<b>Storage Temperature (°C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS



### 3. Antenna parameters

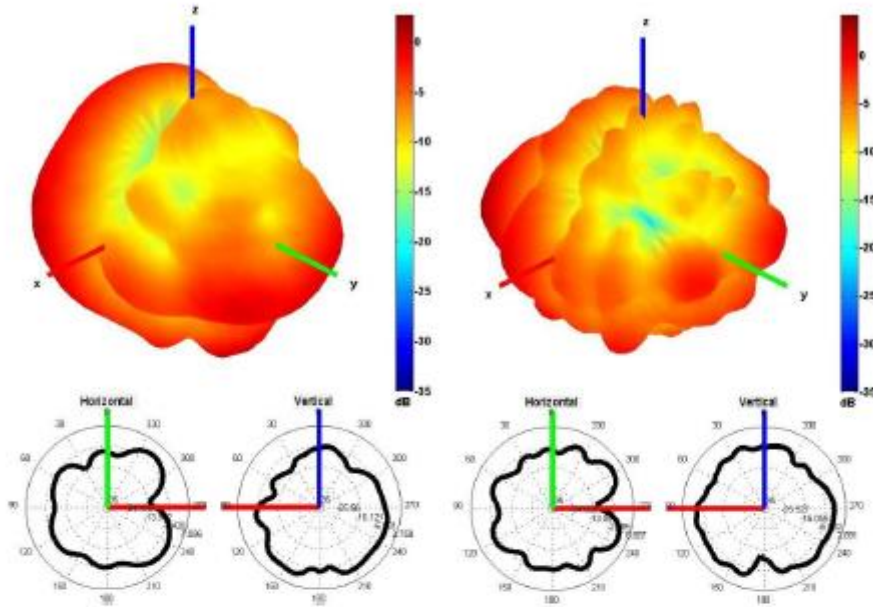




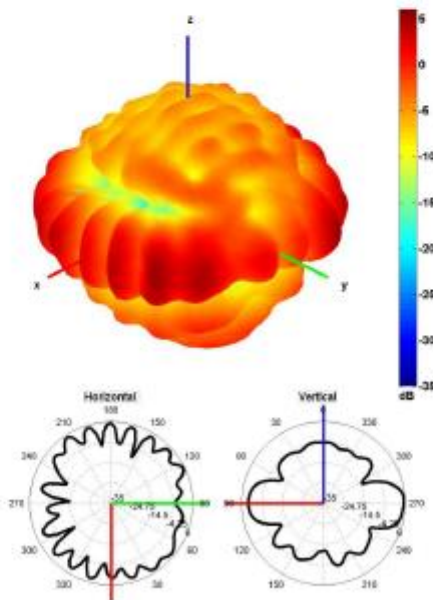


Radiation pattern reference





2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

