

## AMC-ANT-2J0202-C75G

2.4/5.0GHz ISM connector mount antenna

### Features

- 2.4/5.0GHz ISM
  - 2410 – 2490MHz
  - 4920 – 5925MHz
- Ground plane dependent
- High gain
- Small form factor
- Connector mount
- Dimensions:  $\varnothing$  12.5 x 34.7mm



## 1. Antenna and electrical specifications

Parameters	2.4/5.0GHz ISM antenna	
Standards	Wi-Fi, Bluetooth, ZigBee, ISM	
Band (MHz)	2.4GHz	5.0GHz
Frequency (MHz)	2410 - 2490	4920 -5925
Return loss (dB)	~-13.3	~-4.6
VSWR	~1.6:1	~4.3:1
Efficiency (%)	~67.7	~31.0
Peak gain (dBi)	~3.2	~-0.2
Average gain (dB)	~-1.7	~-5.2
Impedance (Ohms)	50	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector type	RP-SMA male standard	

### Measurement Conditions:

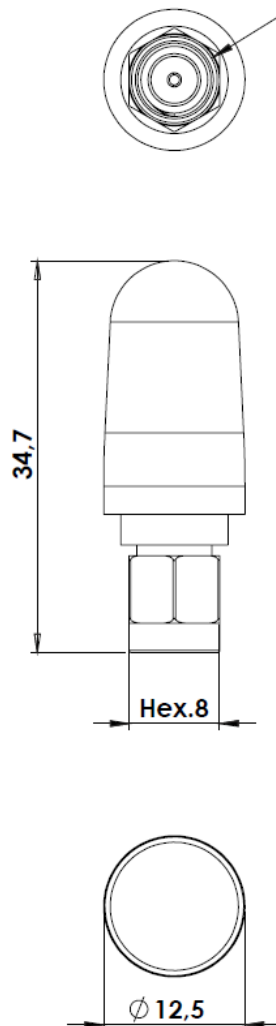
- Mounted on ground plane of 70 x 35mm
- Measured in certified CTIA 3D anechoic chamber



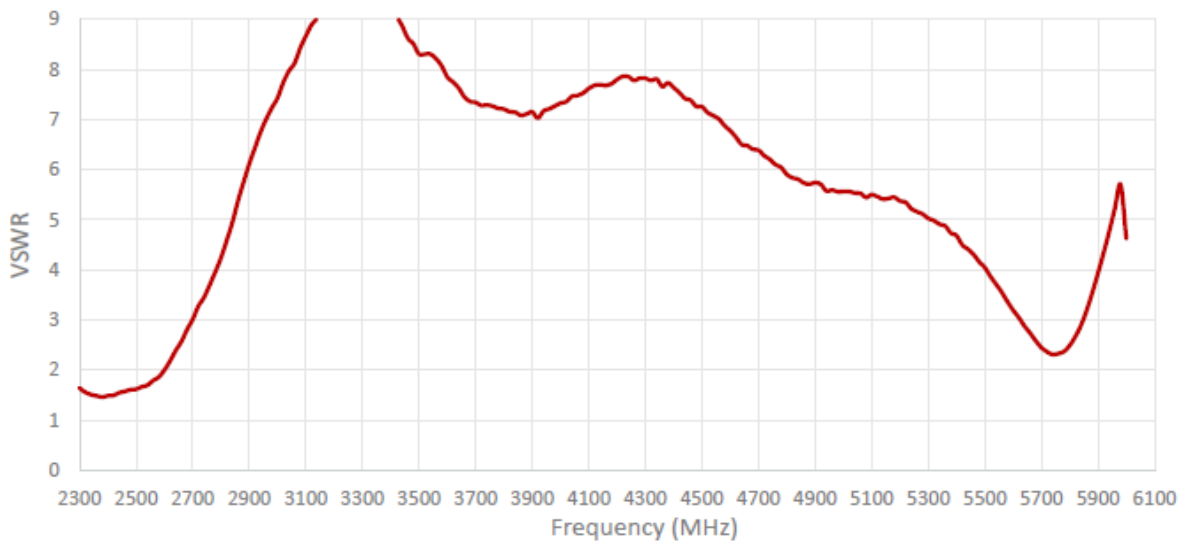
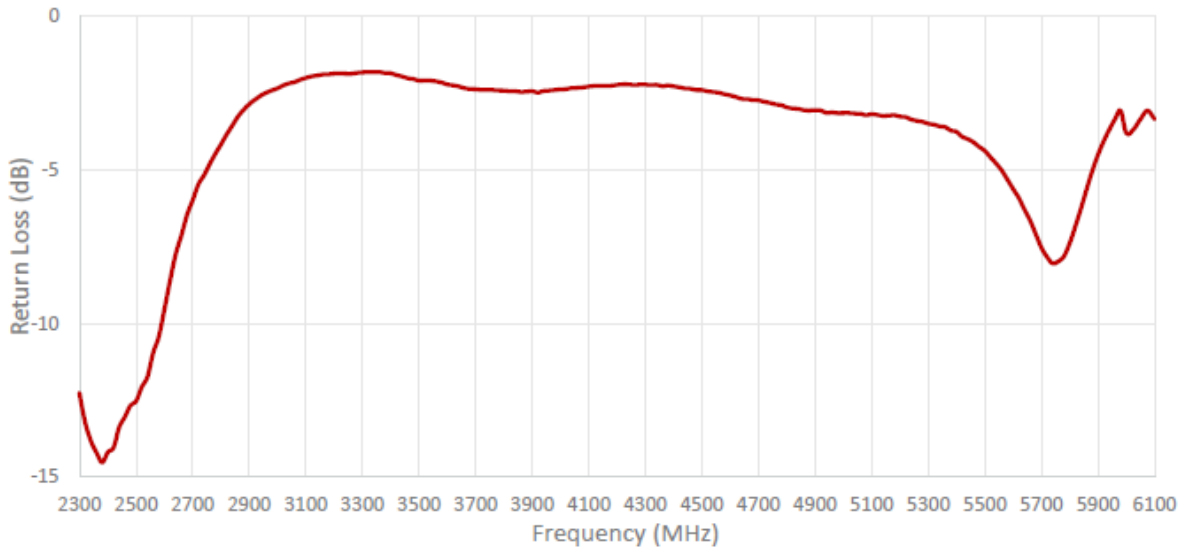
## 2. Mechanical and environmental specifications

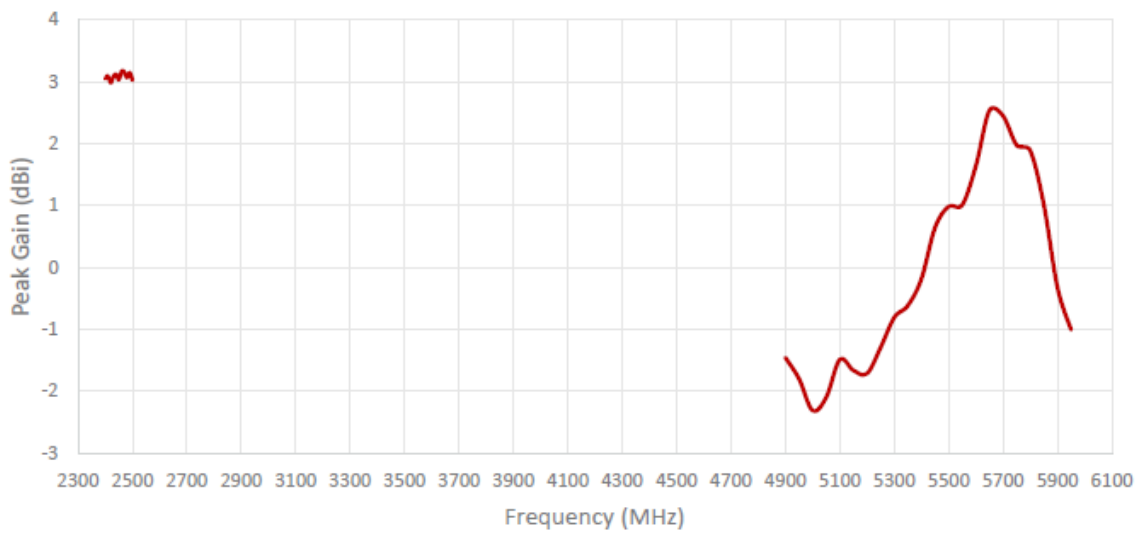
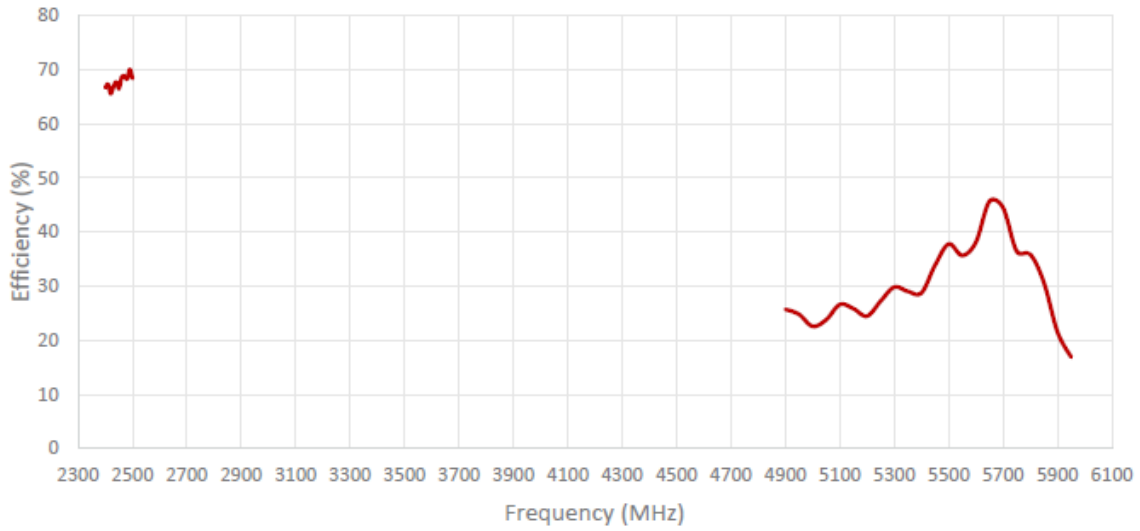
<b>Mounting type</b>	Connector mount
<b>Dimensions (mm)</b>	Ø 12.5 x 34.7
<b>Radome Type</b>	ASA
<b>Radome colour</b>	Black
<b>Operating temperature (°C)</b>	-40 to +85
<b>Storage temperature (°C)</b>	-40 to +85
<b>Substance compliance</b>	RoHS

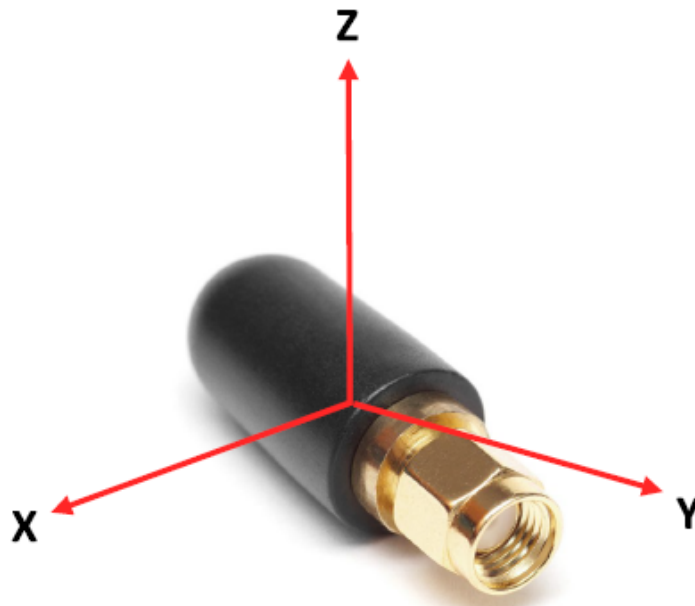
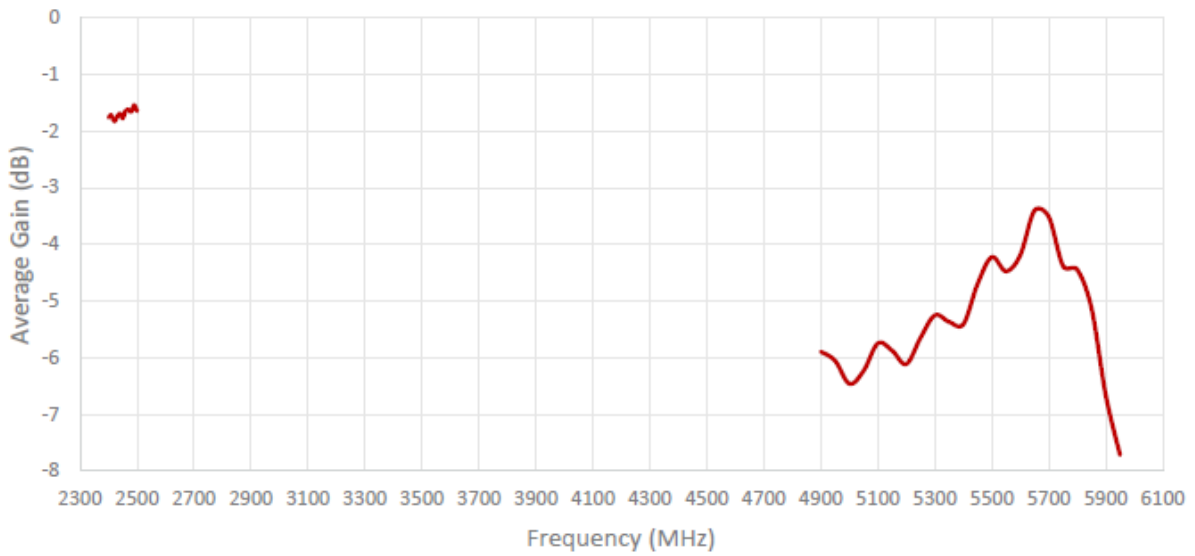
SMA Male RP, Straight, Gold Connector



### 3. Antenna parameters

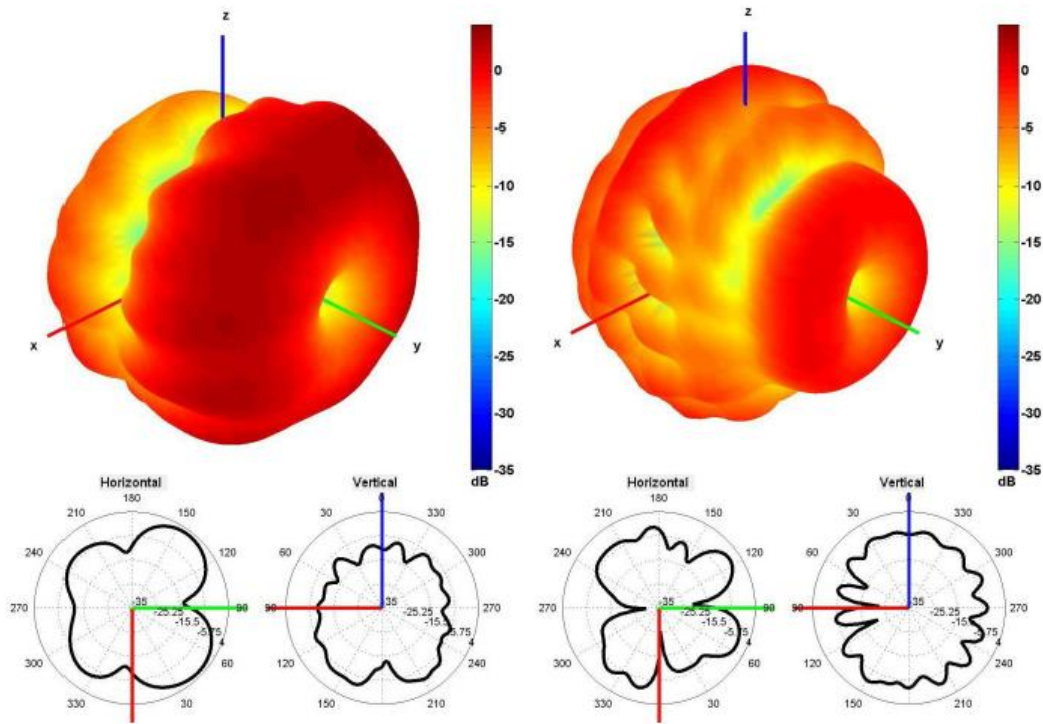






Radiation pattern reference





2450 and 5500 MHz Radiation pattern

