

## AMC-ANT-2JW1302-C442B

2.4/5.0GHz ISM hinged connector mount antenna

### Features

- 2.4/5.0GHz ISM
  - 2410 – 2490MHz
  - 4920 – 5925MHz
- Ground plane independent
- Hinged connector mount
- Low profile
- Dipole antenna
- Dimensions: 76 x Ø 10mm



## 1. Antenna and electrical specifications

Parameters	2.4GHz ISM antenna	
Standards	Wi-Fi, Bluetooth, ZigBee, ISM	
Band (MHz)	2.4GHz	5.0GHz
Frequency (MHz)	2410 - 2490	4920 -5925
Return loss (dB)	~-8.9	~-9.6
VSWR	~2.1:1	~2.8:1
Efficiency (%)	~35	~60
Peak gain (dBi)	~1.4	~3.2
Average gain (dB)	~-4.5	~-2.2
Impedance (Ohms)	50	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector type	RP-SMA male standard	

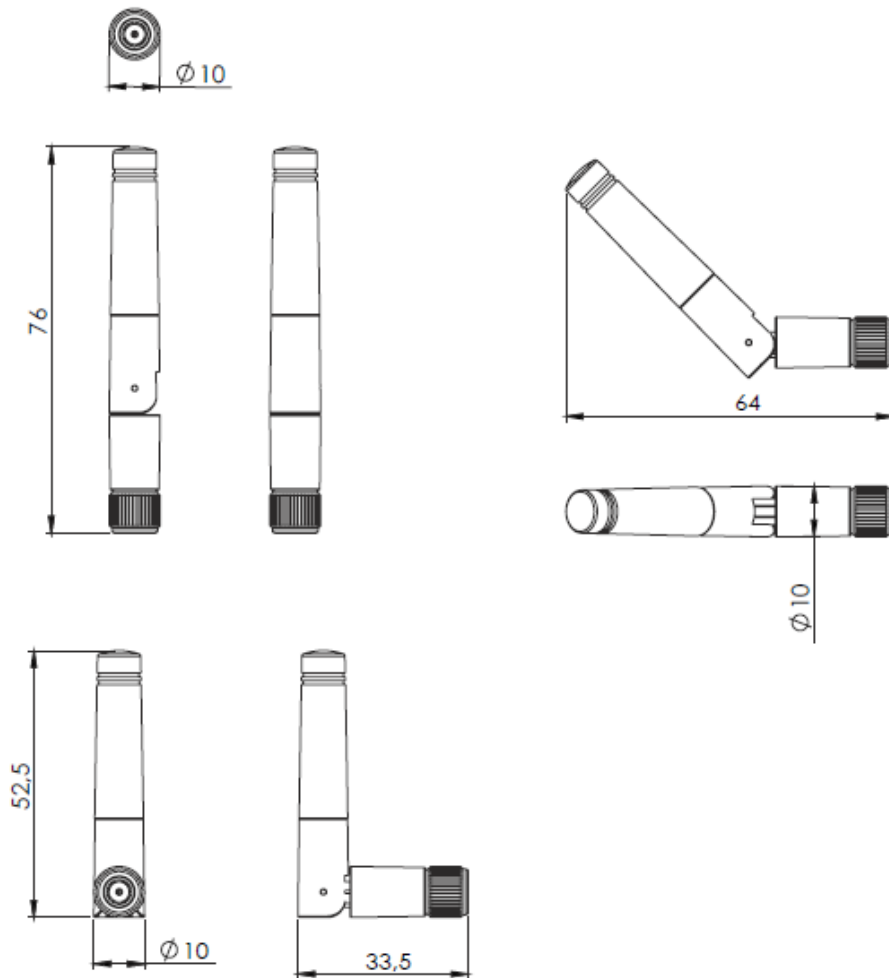
### Measurement Conditions:

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

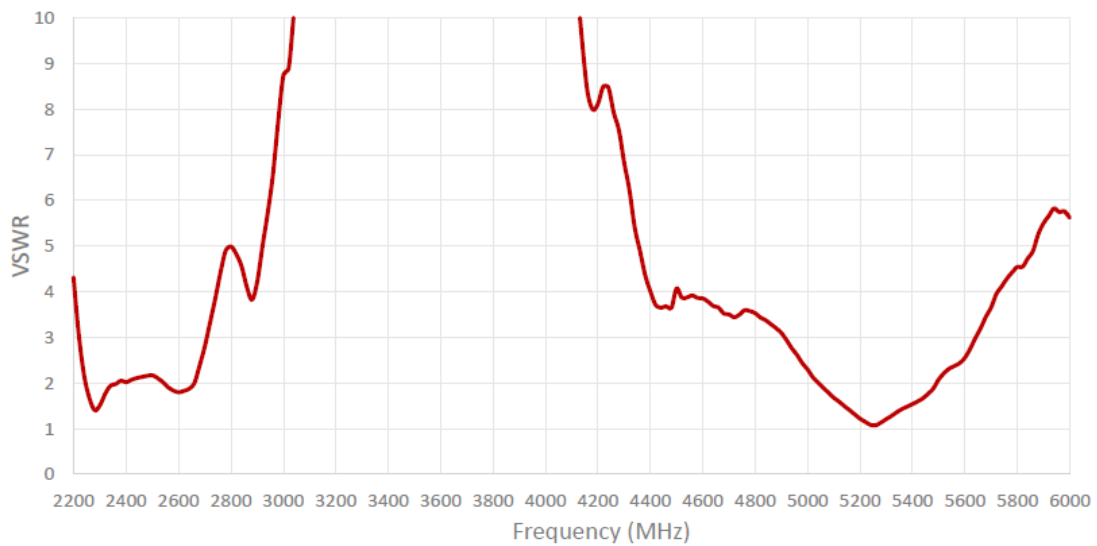
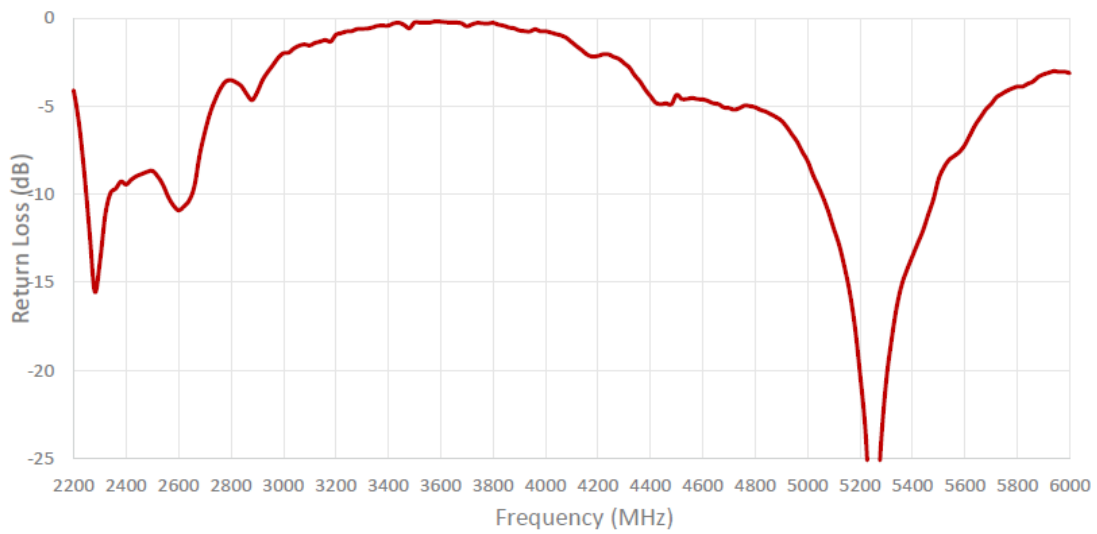


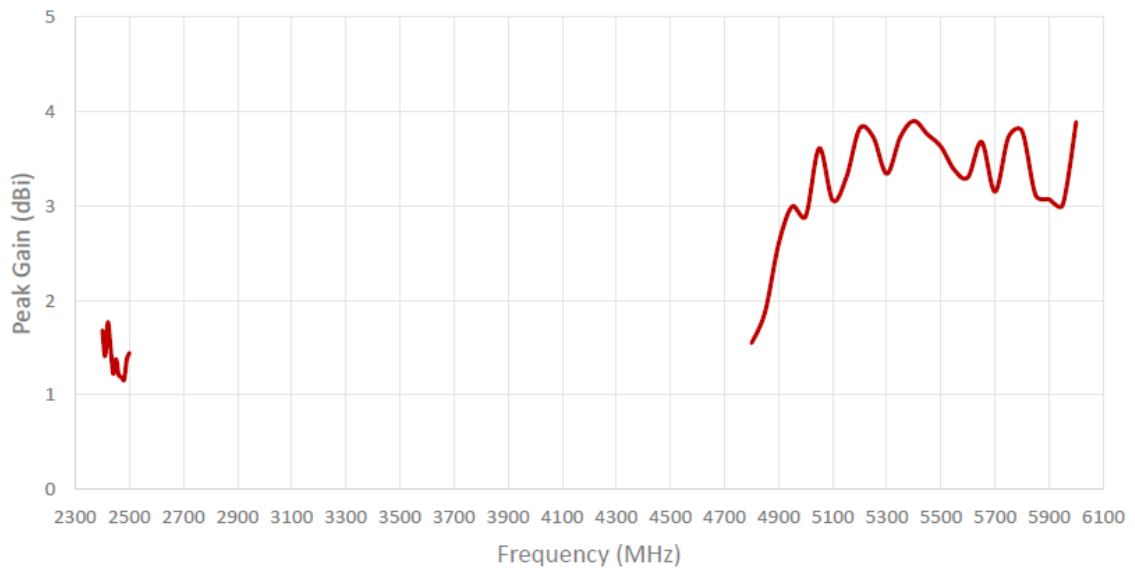
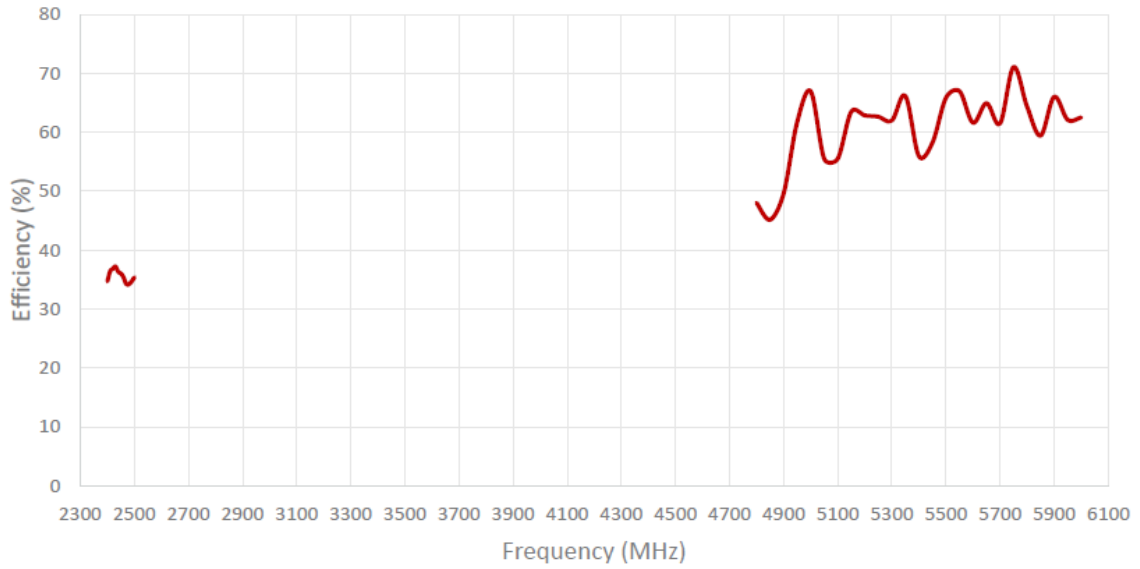
## 2. Mechanical and environmental specifications

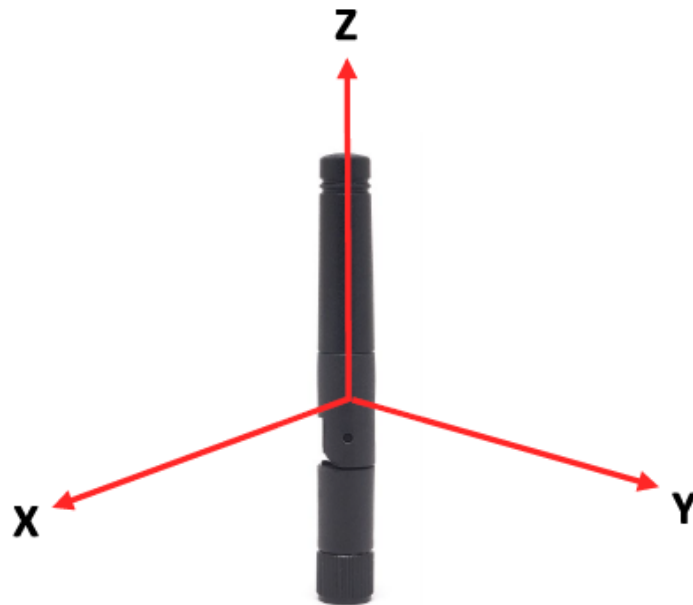
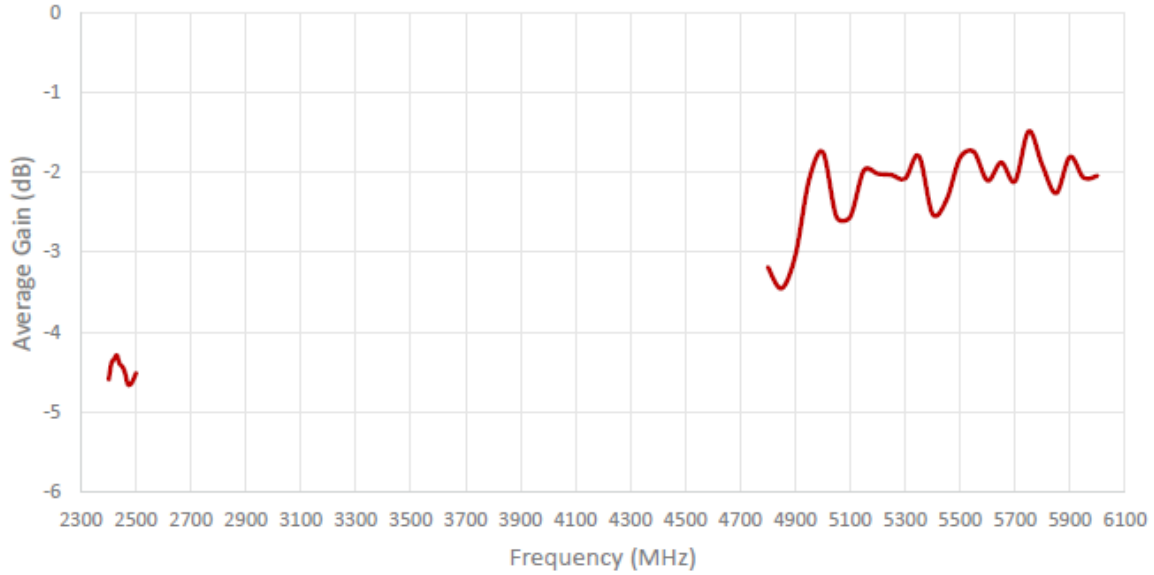
<b>Mounting type</b>	Connector mount
<b>Dimensions (mm)</b>	76 x Ø 10
<b>Radome</b>	ABS, POM
<b>Radome colour</b>	Black
<b>Operating temperature (°C)</b>	-40 to +85
<b>Storage temperature (°C)</b>	-40 to +85
<b>Substance compliance</b>	RoHS



### 3. Antenna parameters

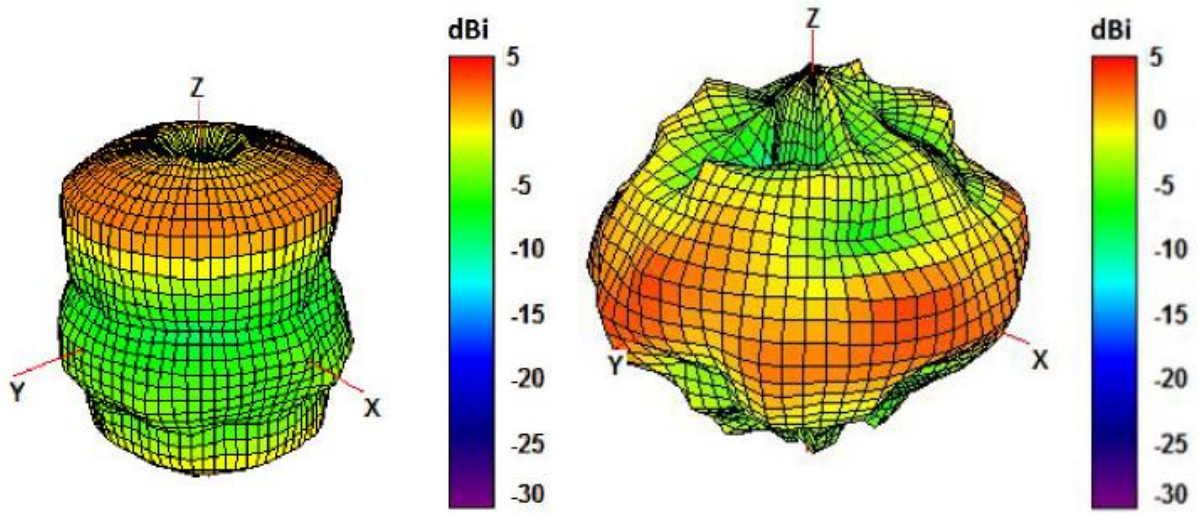






Radiation pattern reference





2450 and 5500 MHz Radiation pattern

