

## AMC-ANT-2JW0302-C442B

2.4/5.0/6.0GHz ISM hinged connector antenna

### Features

- 2.4/5.0/6.0GHz ISM
  - 2410 – 2490MHz
  - 4920 – 7125MHz
- Ground plane independent
- High efficiency
- Hinged connector mount
- Dimensions: 113 x 10mm



## 1. Antenna and electrical specifications

Parameters	2.4/5.0GHz ISM antenna		
Standards	Wi-Fi, Bluetooth, ZigBee, ISM		
Band (GHz)	2.4	5.0	6.0
Frequency (MHz)	2410 - 2490	4920 -5925	5925 - 7125
Return loss (dB)	~-14.1	~-6.8	~-12.0
VSWR	~1.5:1	~3.0:1	~2.0:1
Efficiency (%)	~71.2	~55.5	~65.1
Peak gain (dBi)	~4.8	~7.1	~5.9
Average gain (dB)	~-1.5	~-2.4	~-2.0
Impedance (Ohms)	50		
Polarisation	Linear		
Radiation pattern	Omni-Directional		
Max. input power (W)	25		
Connector type	RP-SMA male standard		

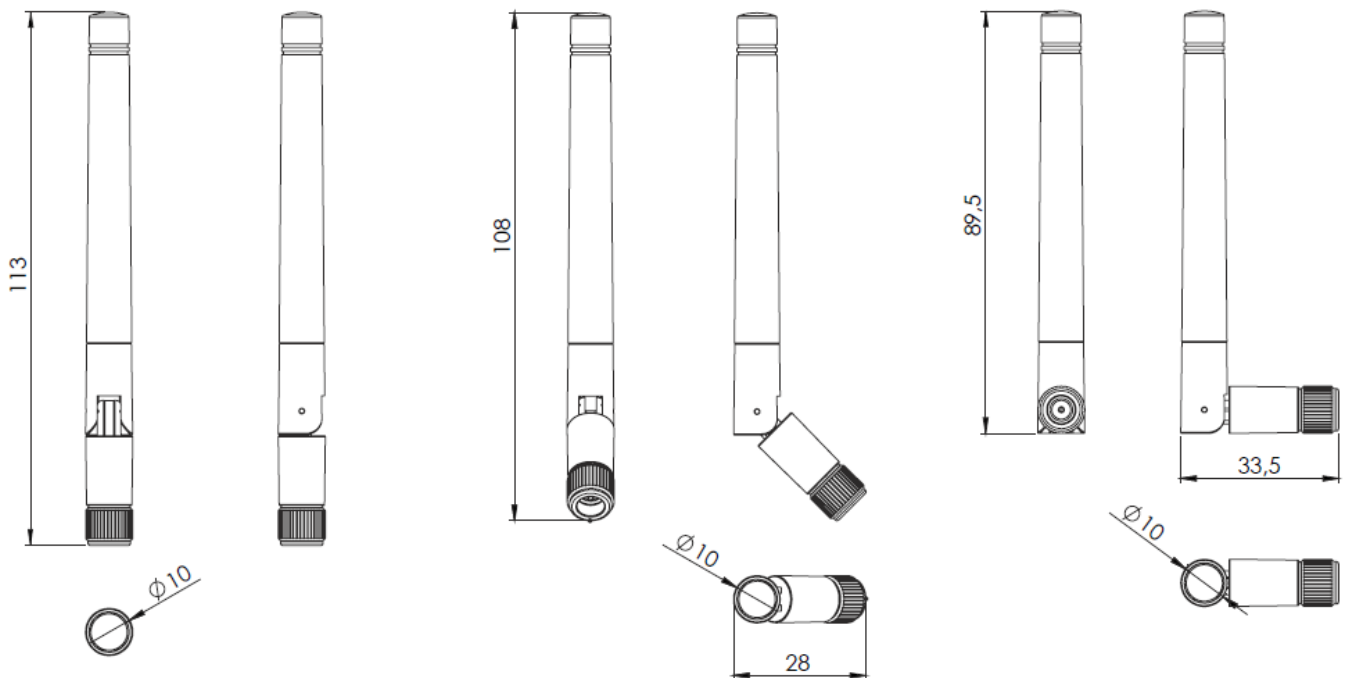
### Measurement Conditions:

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

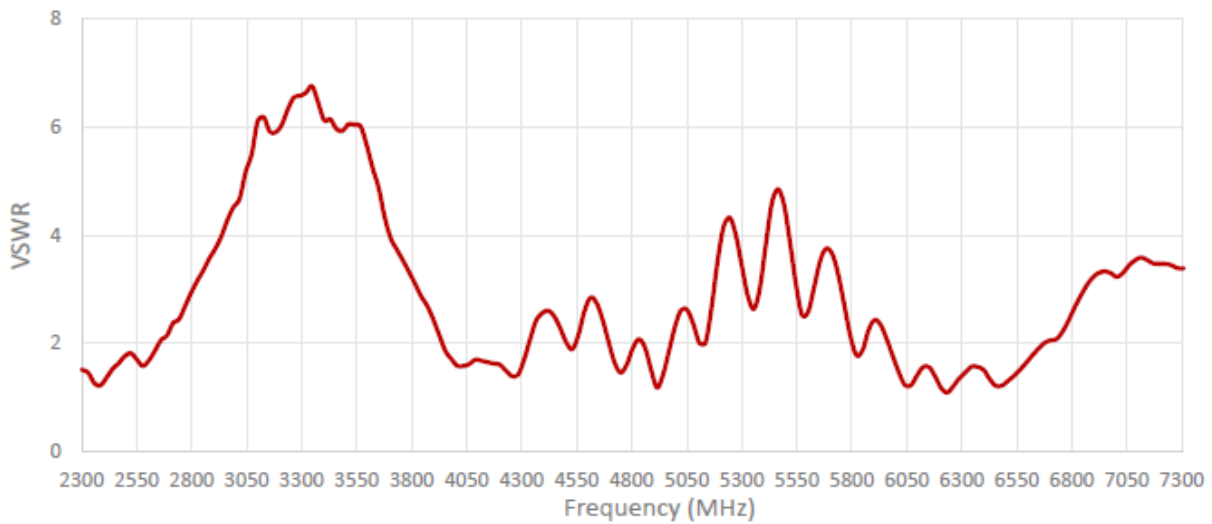
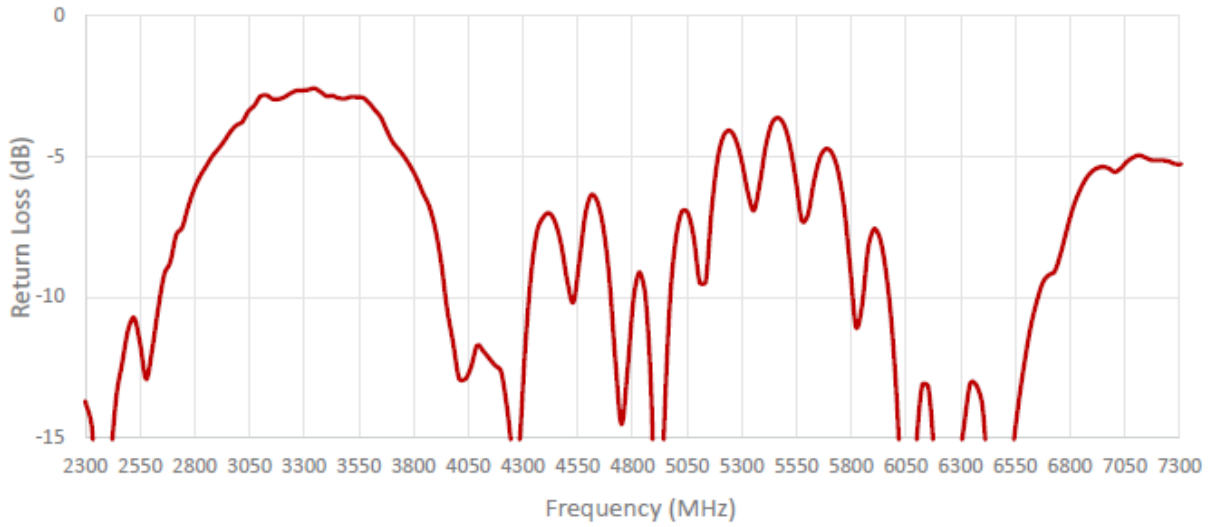


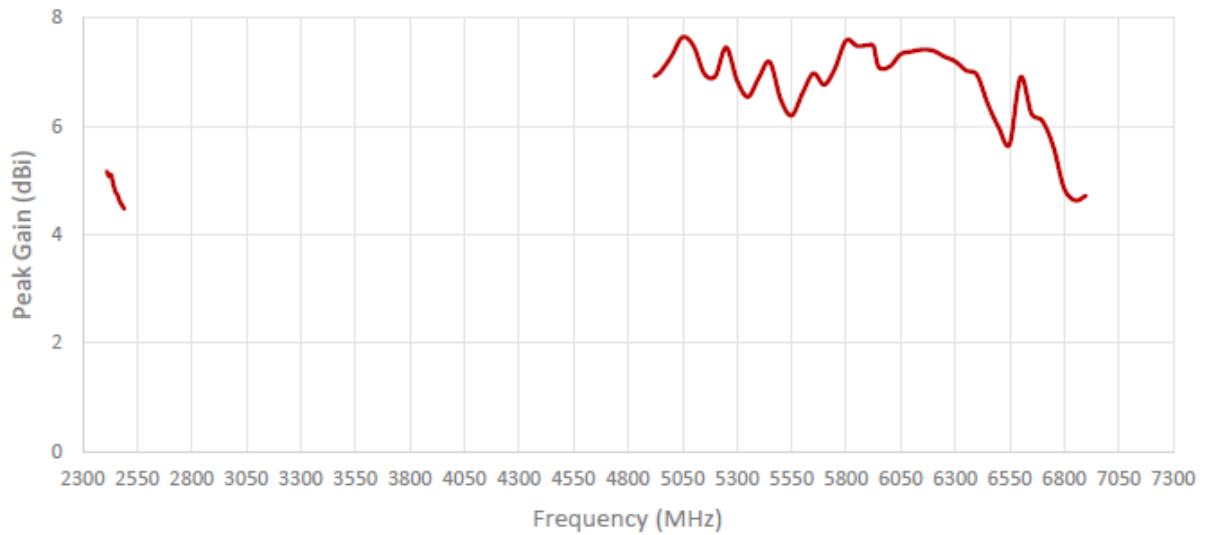
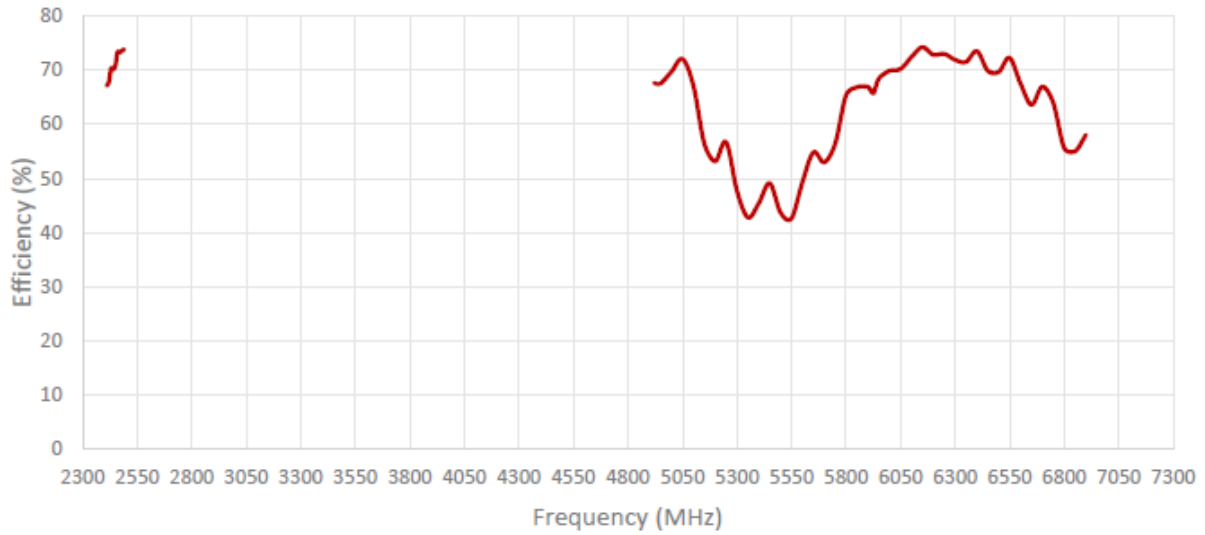
## 2. Mechanical and environmental specifications

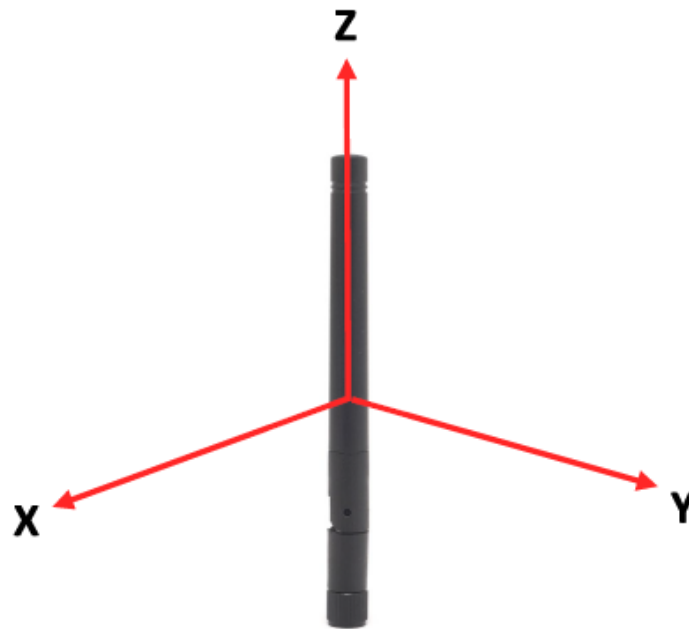
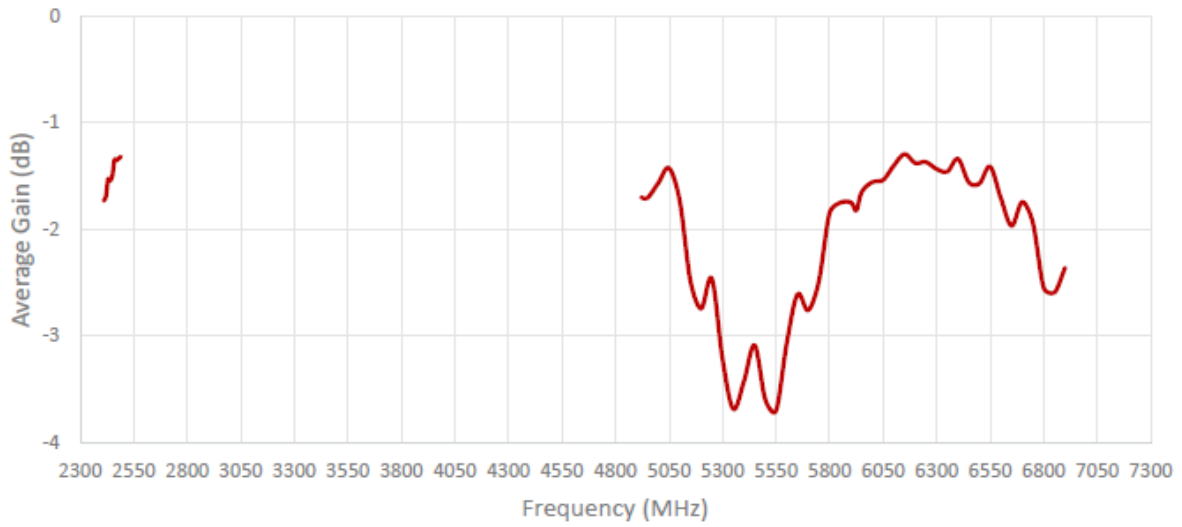
<b>Mounting type</b>	Connector mount
<b>Dimensions (mm)</b>	113 x 10
<b>Radome</b>	ABS UV Stable
<b>Radome colour</b>	Black
<b>Operating temperature (°C)</b>	-40 to +85
<b>Storage temperature (°C)</b>	-40 to +85
<b>Substance compliance</b>	RoHS



### 3. Antenna parameters

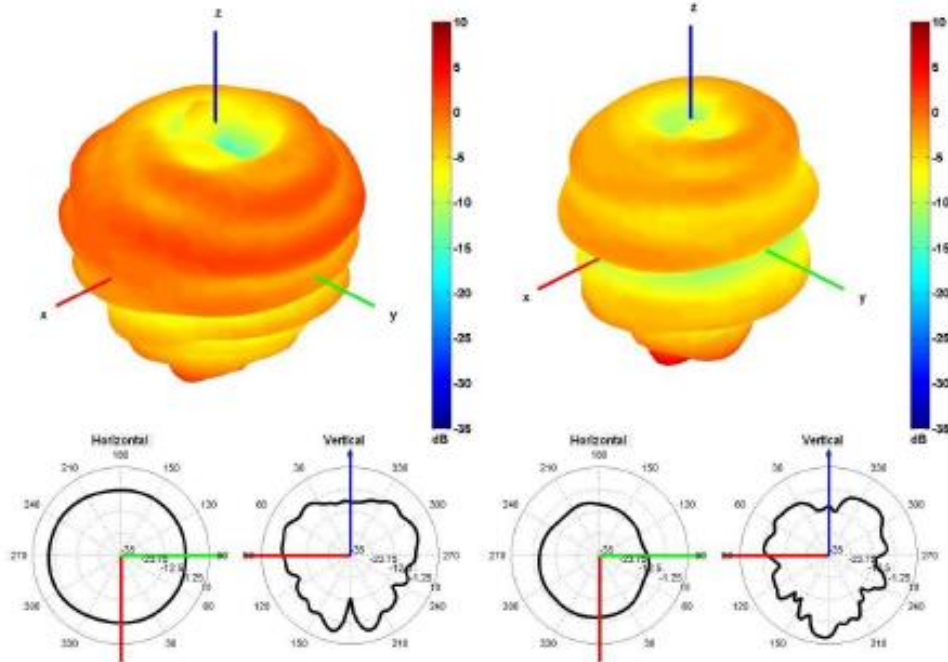




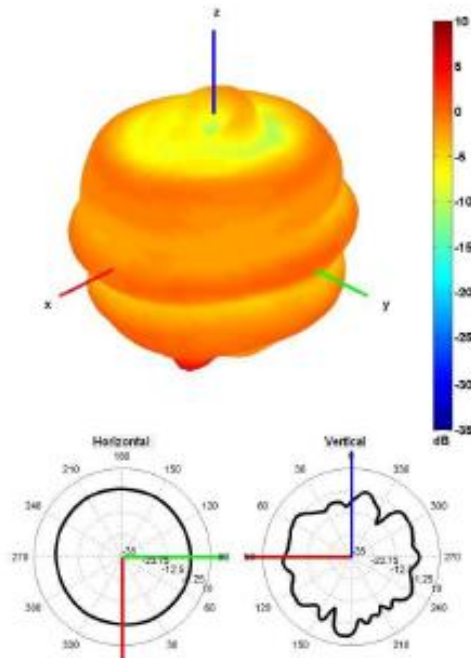


Radiation pattern reference





2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

