

## AMC-ANT-2JW0515-C952B

868/915MHz ISM connector mount antenna

### Features

- 868/915MHz ISM
  - 863 - 870MHz
  - 902 – 928MHz
- Connector mount
- Hinged connector
- Ground plane independent
- Dimensions: 173 x Ø 10mm



## 1. Antenna and electrical specifications

Parameters	868/915MHz ISM antenna	
Standards	LoRa, Sigfox, ZigBee, ISM	
Band (MHz)	868	915
Frequency (MHz)	863 - 870	902 - 928
Return Loss (dB)	~-8.8	~-8.9
VSWR	~2.2:1	~2.1:1
Efficiency (%)	~70.1	~65.1
Peak Gain (dBi)	~3.0	~2.8
Average Gain (dB)	~-1.7	~-1.9
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation Pattern	Omni-directional	
Max. Input Power (W)	25	
Connector Type	SMA male standard	

### Antenna measurement conditions:

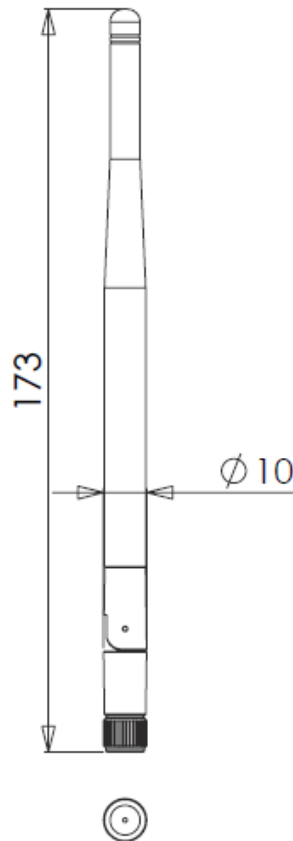
- Free space
- Measured in certified CTIA 3D anechoic chamber



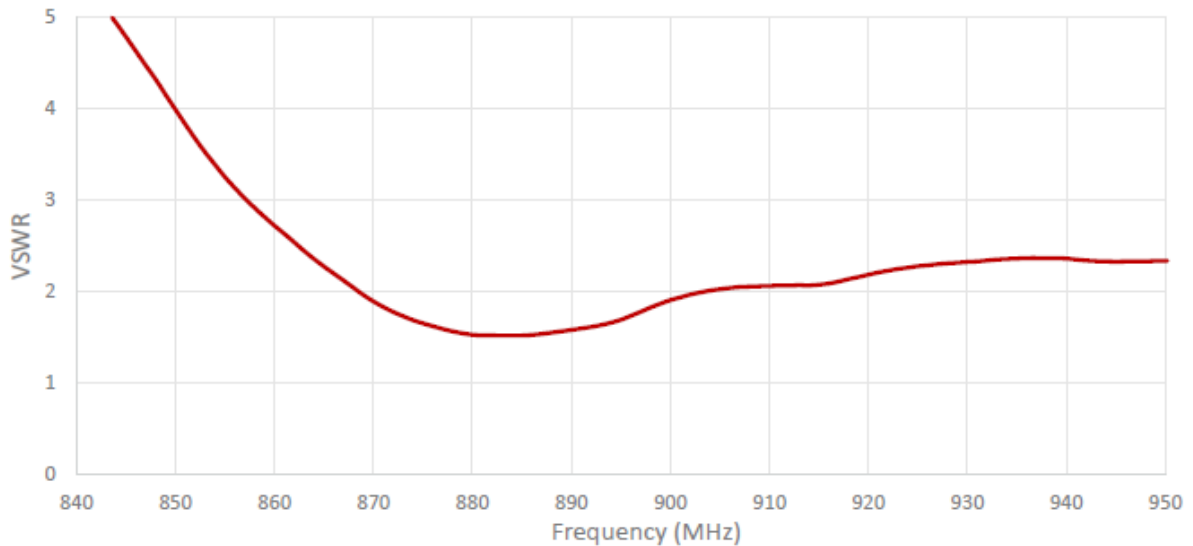
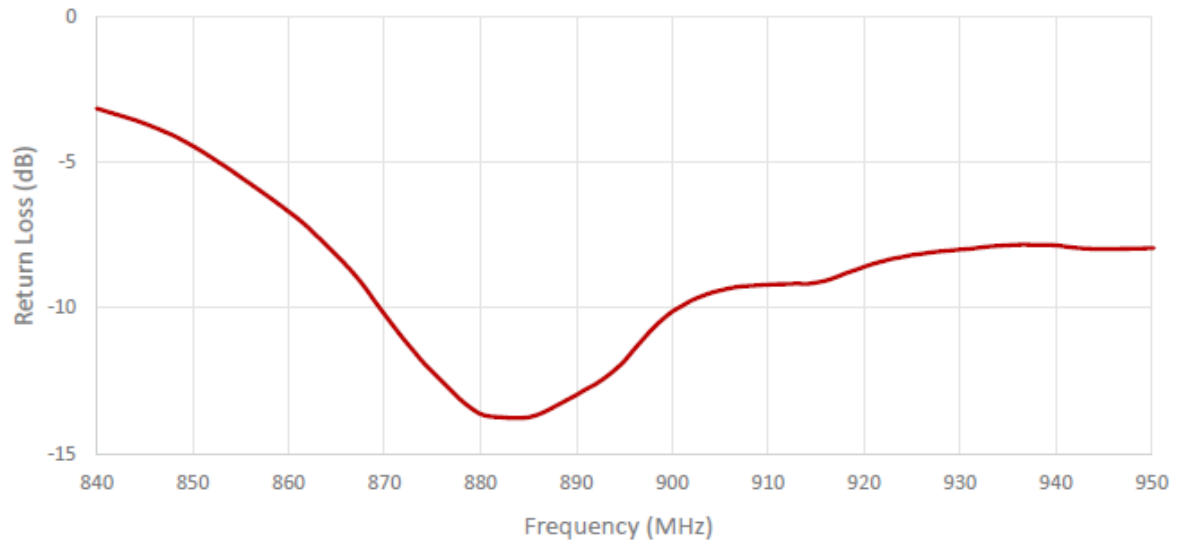
## 2. Mechanical and environmental specifications

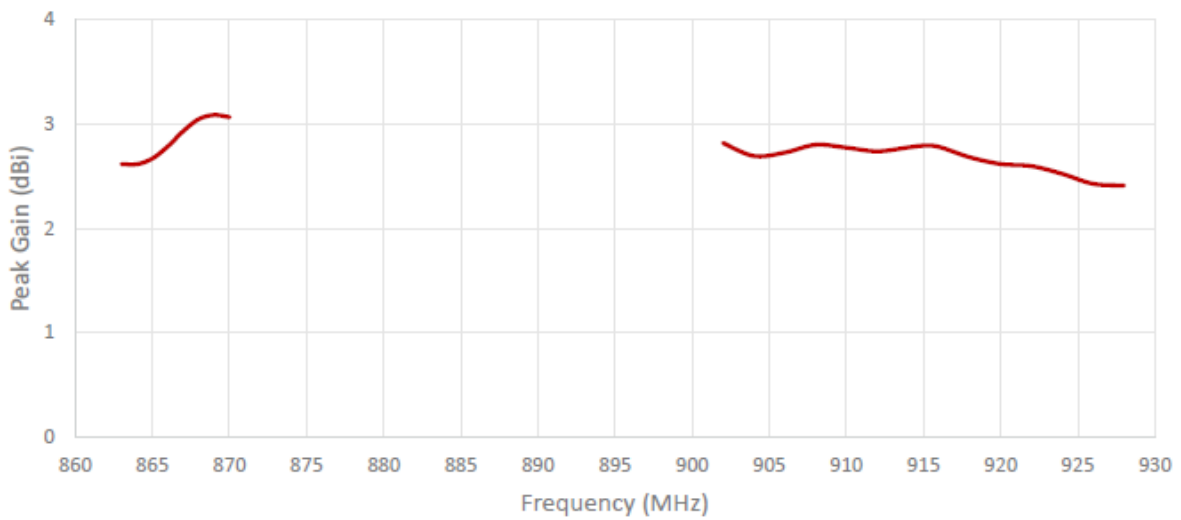
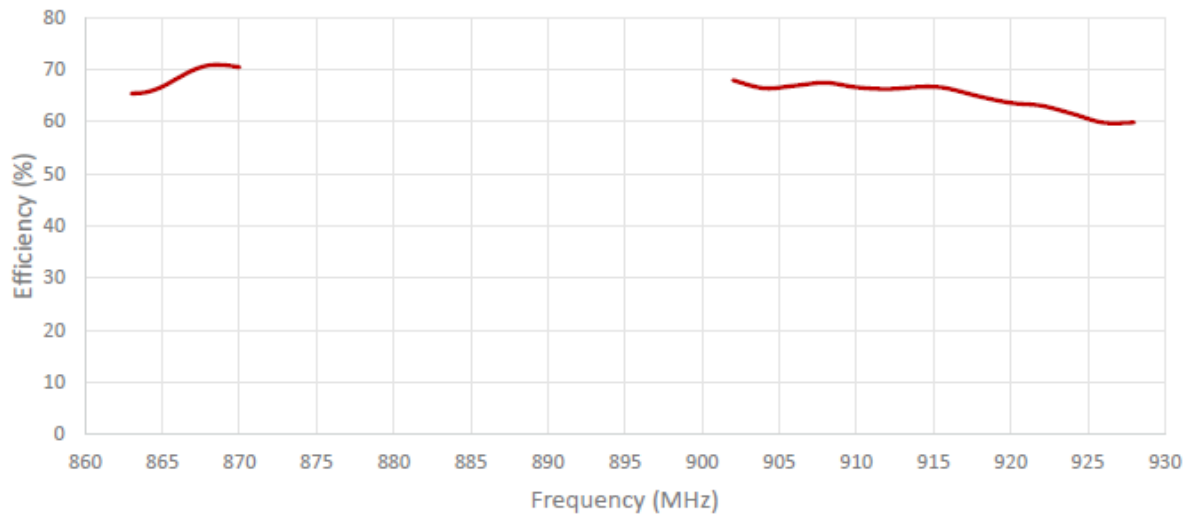
<b>Mounting Type</b>	Connector mount
<b>Dimensions (mm)</b>	173 x Ø 10
<b>Radome</b>	TPE
<b>Radome Colour</b>	Black
<b>Connector Feature</b>	Hinged
<b>Operating Temperature (°C)</b>	-40 to +85
<b>Storage Temperature (°C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

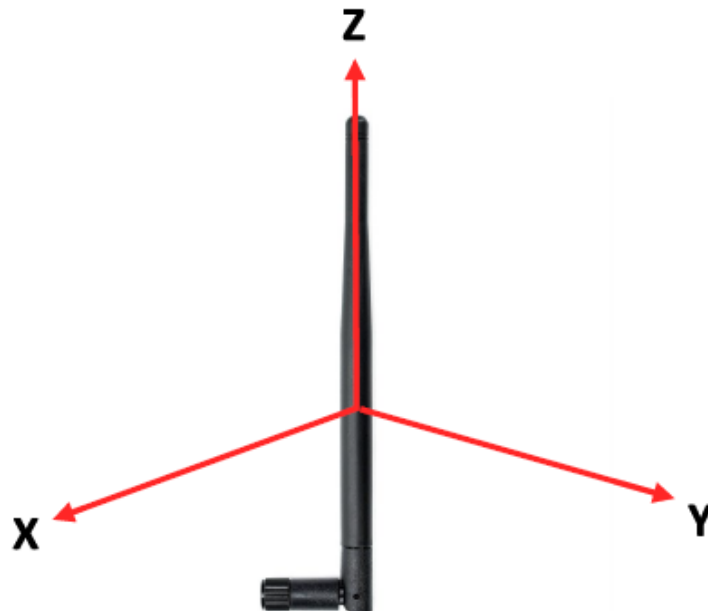
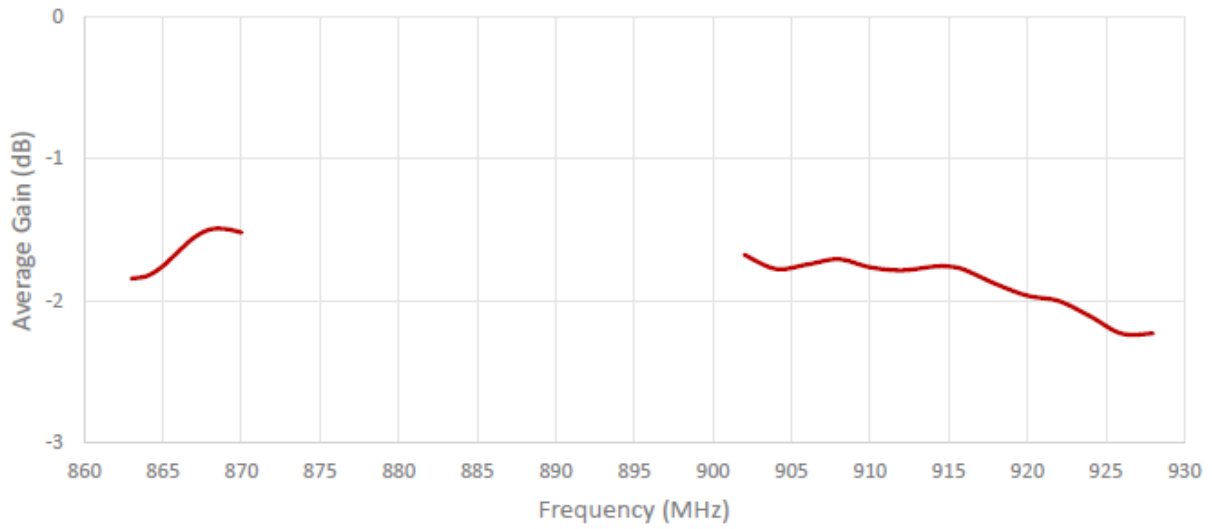
## 3. Antenna drawings



#### 4. Antenna parameters

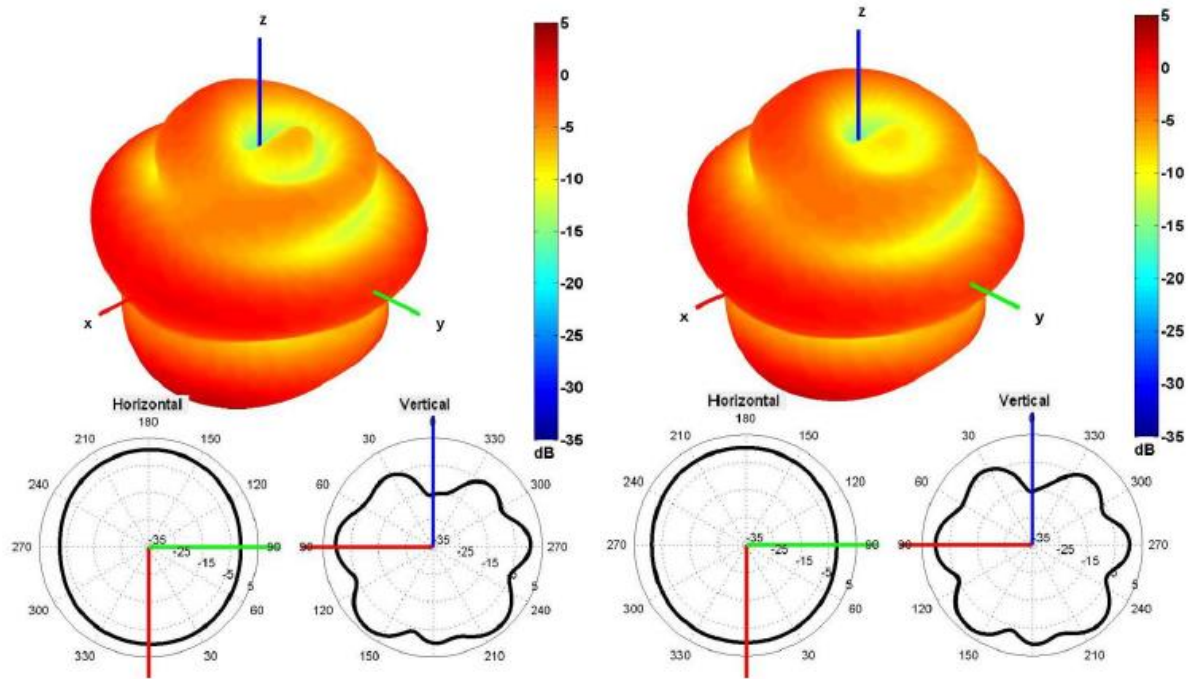






Radiation pattern reference





868 and 915 MHz Radiation pattern

