

## AMC-ANT-2J0B15-868-C884G

868MHz ISM connector mount antenna

### Features

- **868MHz ISM**
  - 863 - 870MHz
- Connector mount
- Low profile
- Ground plane dependent
- Dimensions: 44 x 19.1 x 9mm



## 1. Antenna and electrical specifications

<b>Parameters</b>	868MHz ISM antenna
<b>Standards</b>	ZigBee, ISM, Sigfox, LoRa
<b>Band (MHz)</b>	868
<b>Frequency (MHz)</b>	863 - 870
<b>Return Loss (dB)</b>	~-10.9
<b>VSWR</b>	~1.8:1
<b>Efficiency (%)</b>	~75
<b>Peak Gain (dBi)</b>	~2.5
<b>Average Gain (dB)</b>	~-1.3
<b>Impedance (Ohms)</b>	50
<b>Polarisation</b>	Linear
<b>Radiation Pattern</b>	Omni-directional
<b>Max. Input Power (W)</b>	25
<b>Connector Type</b>	Right-angle SMA male standard

### Antenna measurement conditions:

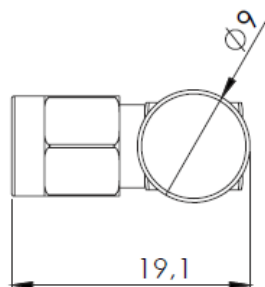
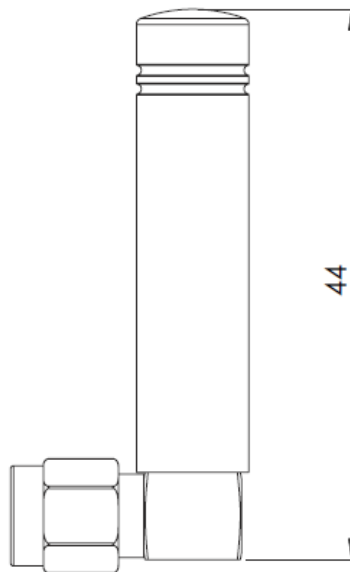
- Mounted on ground plane of 95 x 40mm
- Measured in certified CTIA 3D anechoic chamber



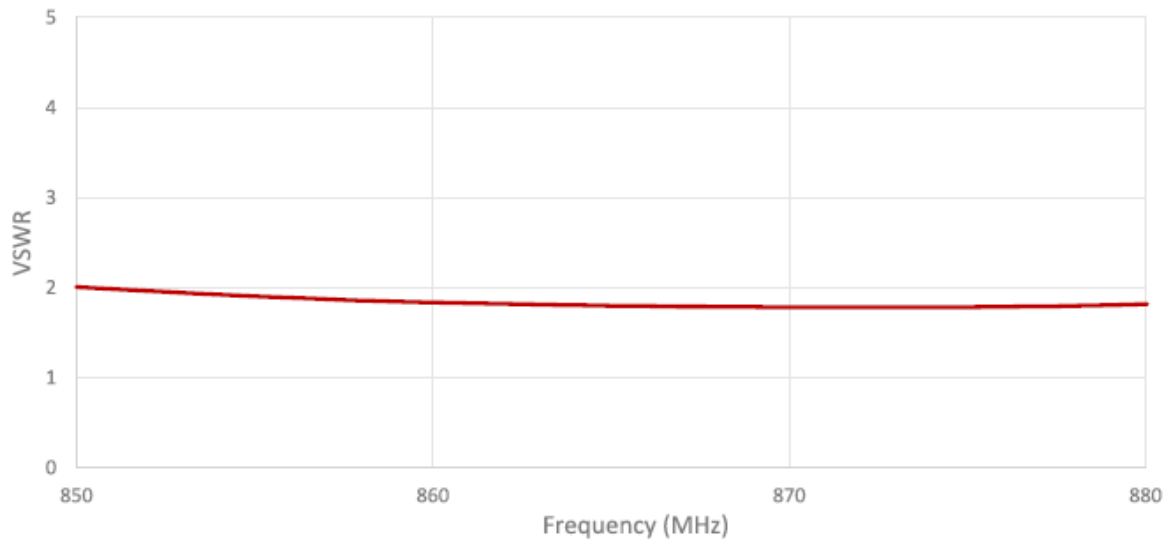
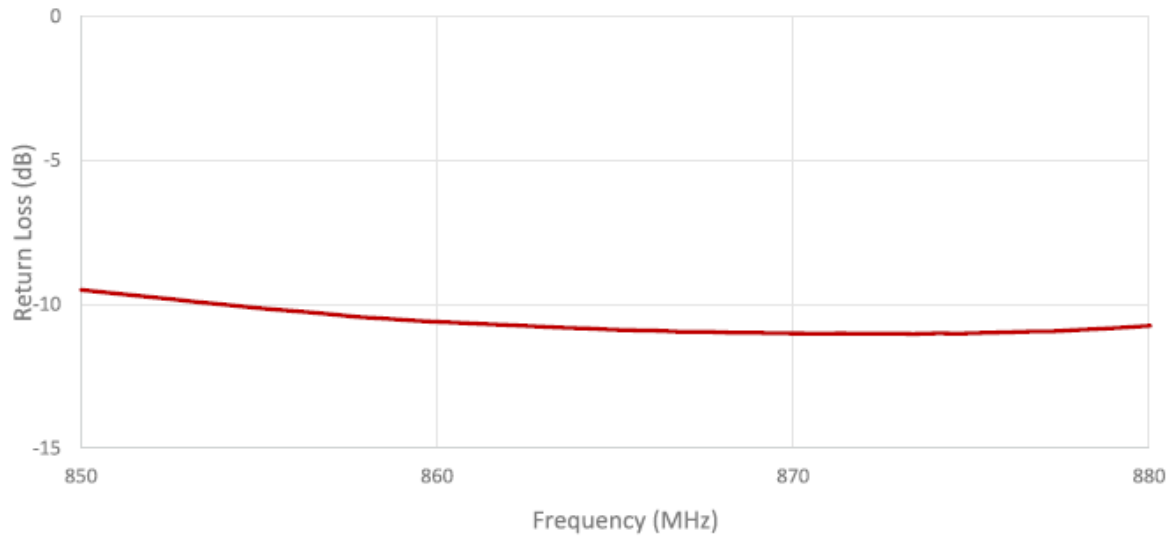
## 2. Mechanical and environmental specifications

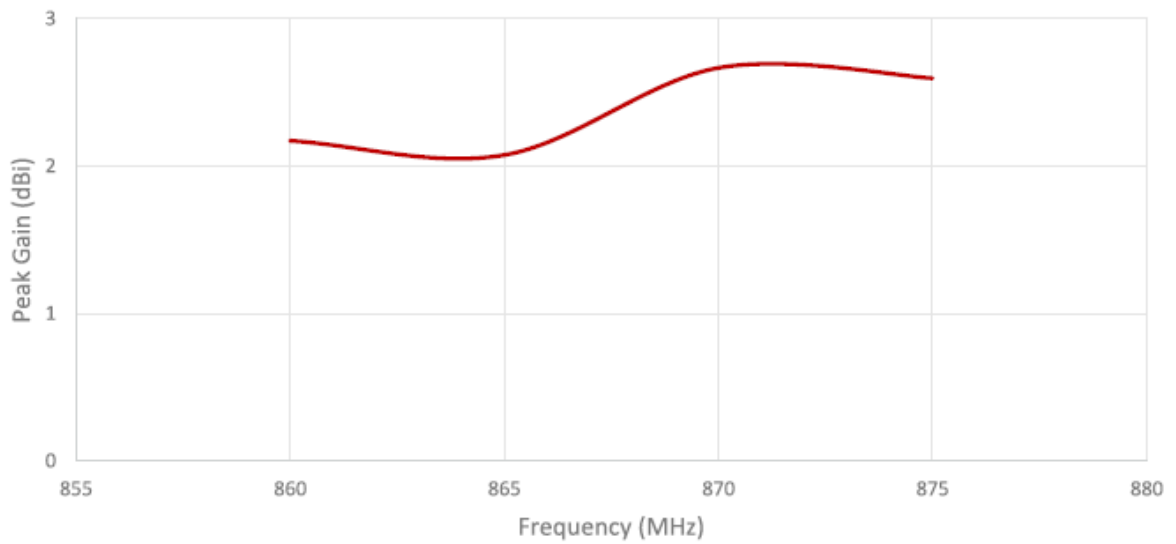
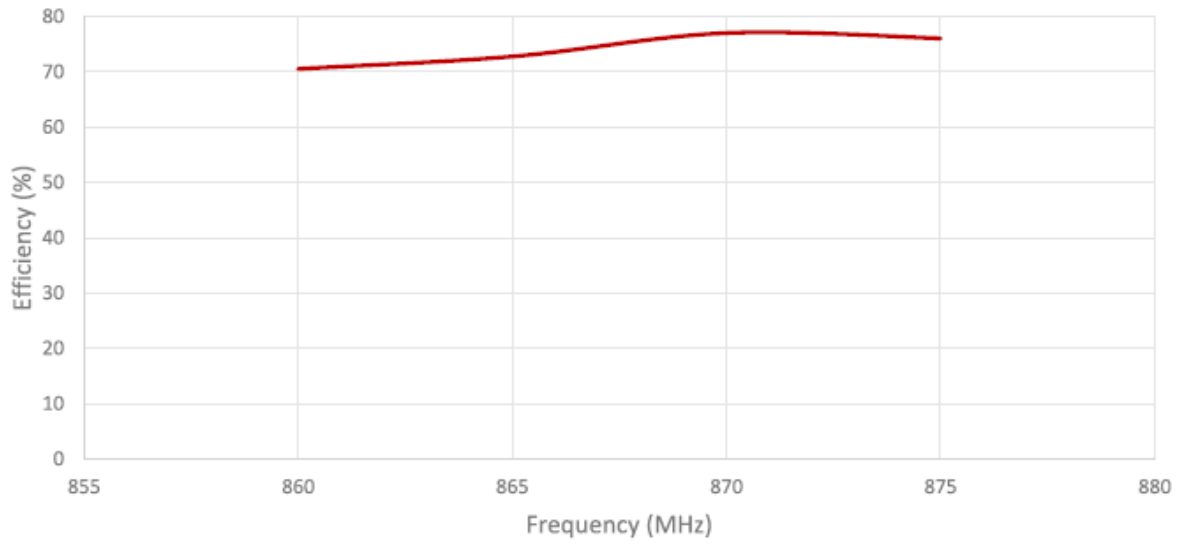
<b>Mounting Type</b>	Connector mount
<b>Dimensions (mm)</b>	44 x 19.1 x 9
<b>Radome</b>	TPC-ET
<b>Radome Colour</b>	Black
<b>Operating Temperature (°C)</b>	-40 to +85
<b>Storage Temperature (°C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

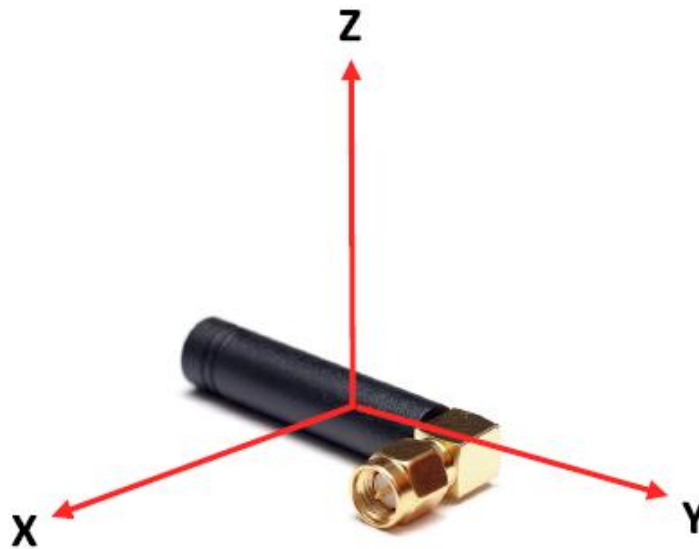
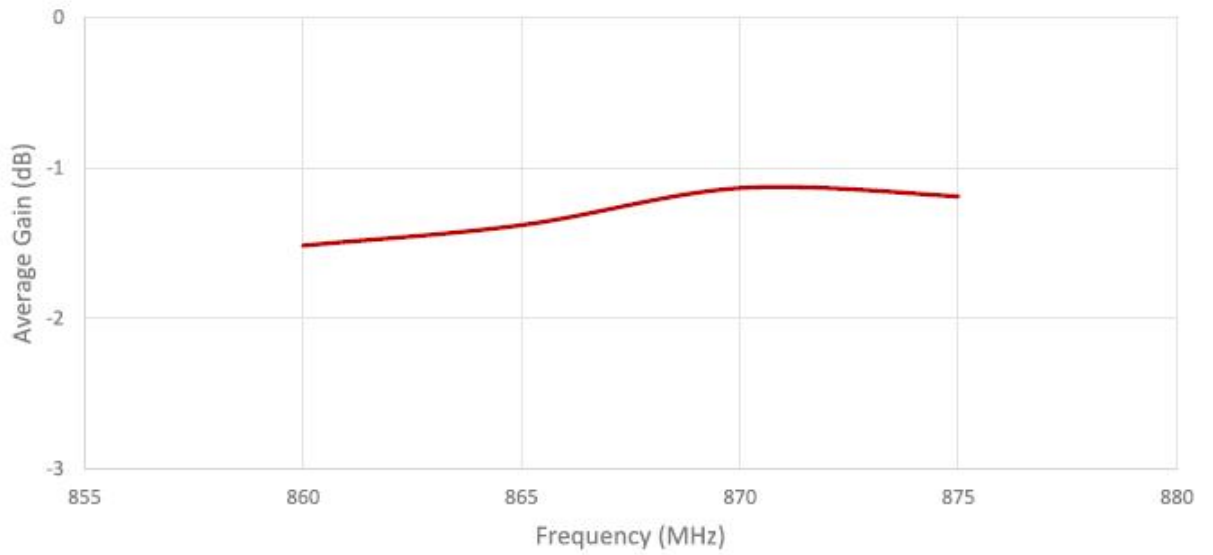
## 3. Antenna drawings



#### 4. Antenna parameters

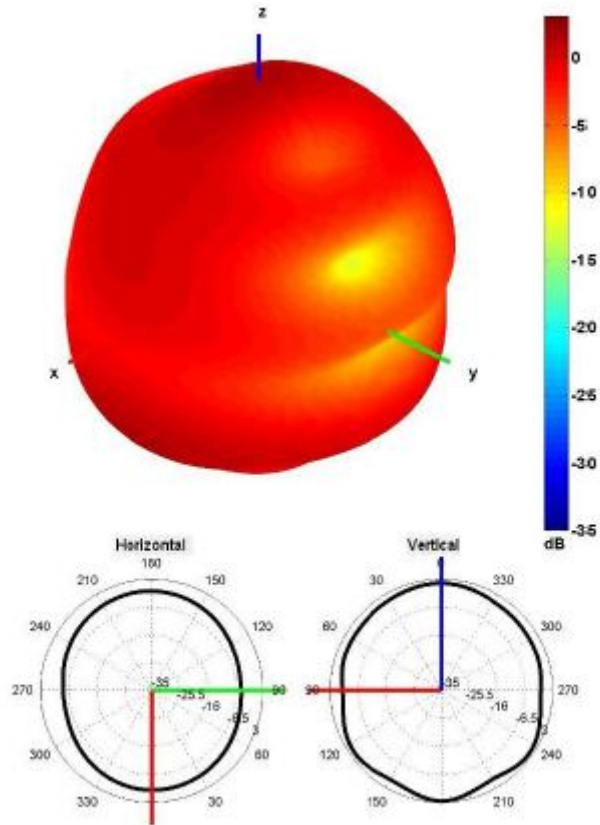






Radiation pattern reference





868 MHz Radiation pattern

