

## AMC-ANT-2J6615B-915

### 915MHz ISM screw mount antenna

#### Features

- 915MHz ISM
  - 902 – 928MHz
- Screw mount
- Low profile
- Ground plane dependent
- Certificates: IP67, IP69K
- Dimensions:  $\varnothing$  77.3 x 15mm
- Customisable cables and connectors



## 1. Antenna and electrical specifications

<b>Parameters</b>	915MHz ISM Antenna
<b>Standards</b>	ZigBee, ISM, Sigfox, LoRa
<b>Band (MHz)</b>	915
<b>Frequency (MHz)</b>	902 - 928
<b>Return Loss (dB)</b>	~-13.5
<b>VSWR</b>	~1.5:1
<b>Efficiency (%)</b>	~33.5
<b>Peak Gain (dBi)</b>	~0.85
<b>Average Gain (dB)</b>	~-4.7
<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>	SMA male standard (other connectors available)
<b>Cable Length</b>	300cm standard (other lengths available)
<b>Cable Type</b>	RG174 standard (other cables available)

### Antenna measurement conditions:

- Mounted on 30 x 30cm metal plate
- 200cm RG174 cable
- Measured in certified CTIA 3D anechoic chamber

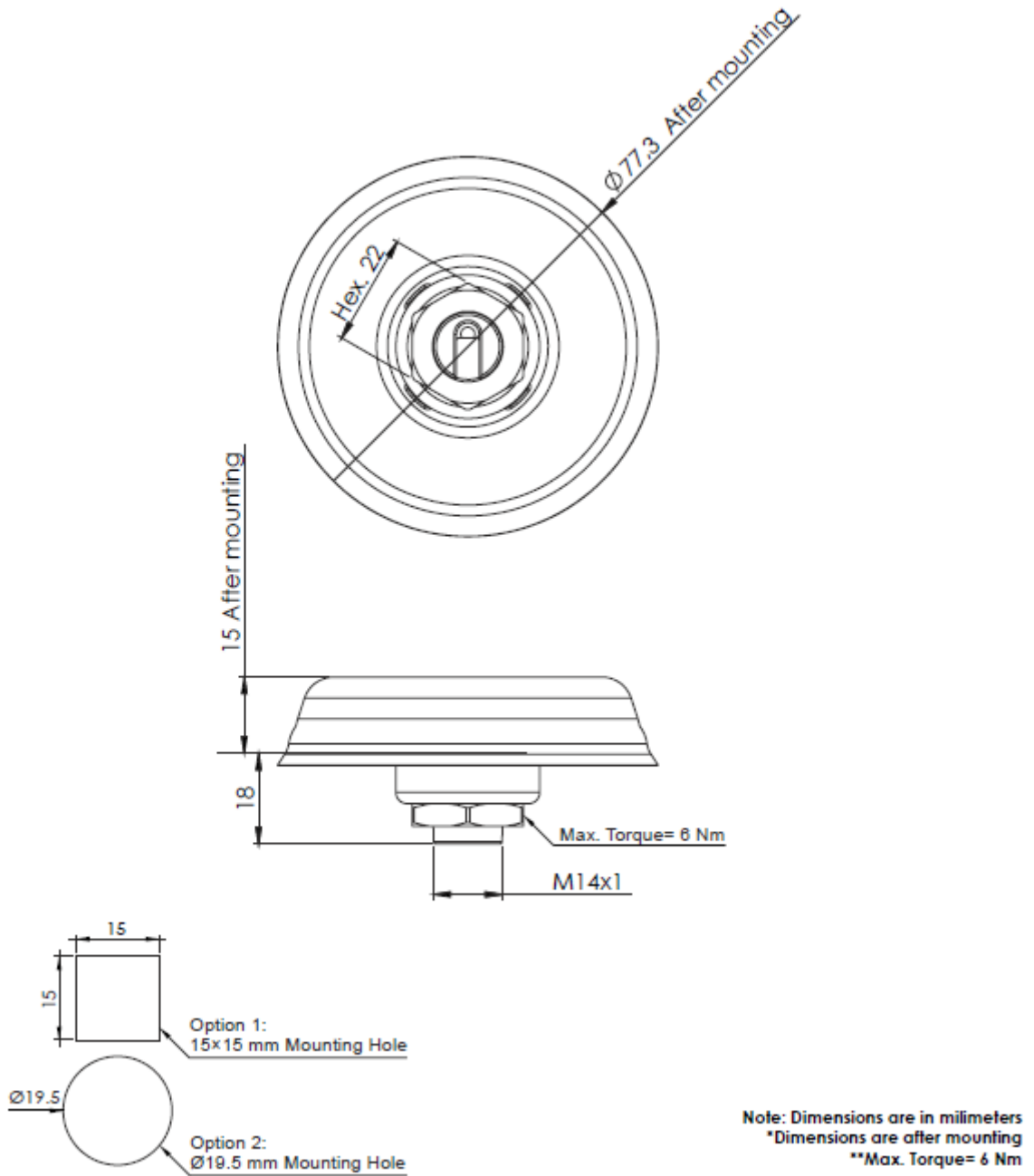


## 2. Mechanical and environmental specifications

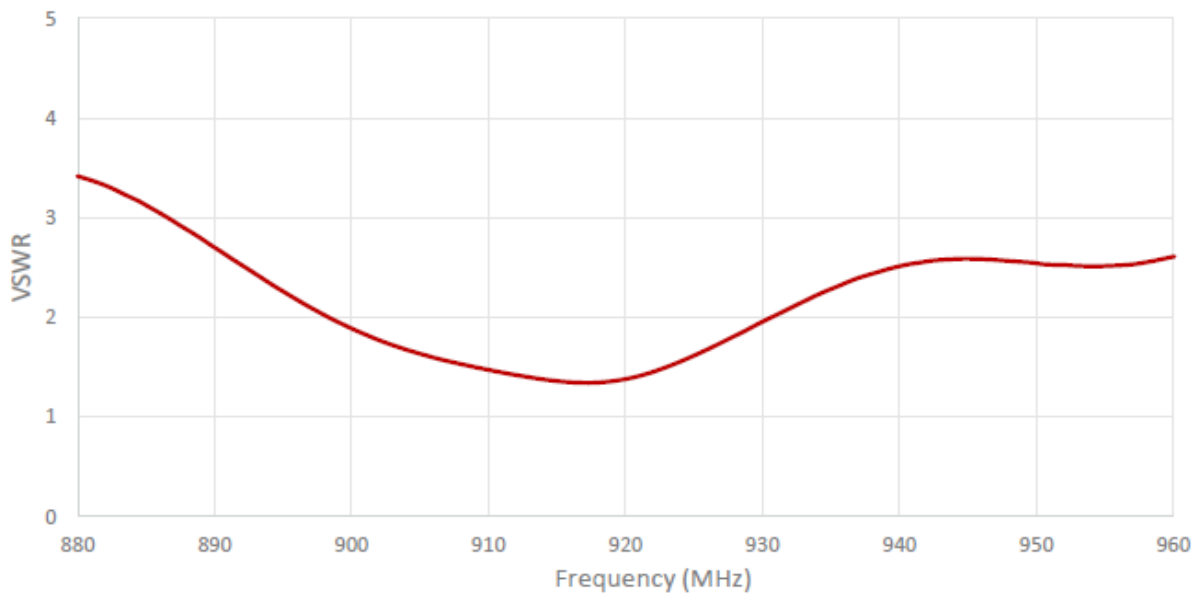
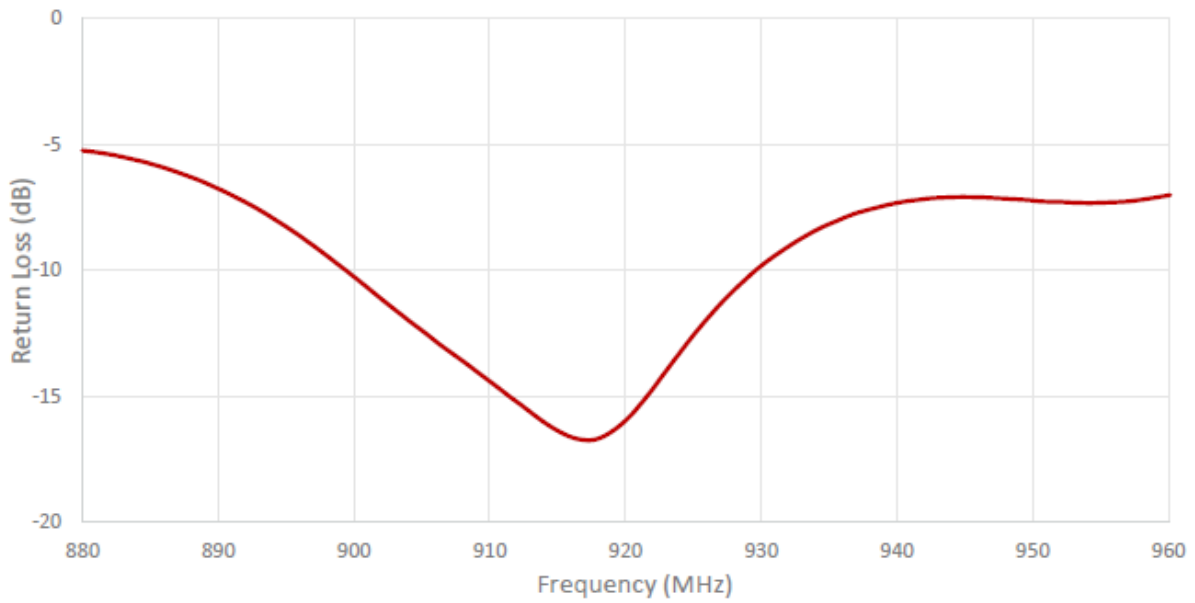
<b>Mounting Type</b>	Screw mount
<b>Dimensions (mm)</b>	Ø 77.3 x 15
<b>Max. Tighten Torque (Nm)</b>	6
<b>Radome</b>	ASA
<b>Radome Color</b>	Black
<b>Antenna Base</b>	Zamak
<b>Gasket</b>	TPE
<b>Operating Temperature (°C)</b>	-40 to +85
<b>Storage Temperature (°C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS
<b>Certificates</b>	IP67, IP69K

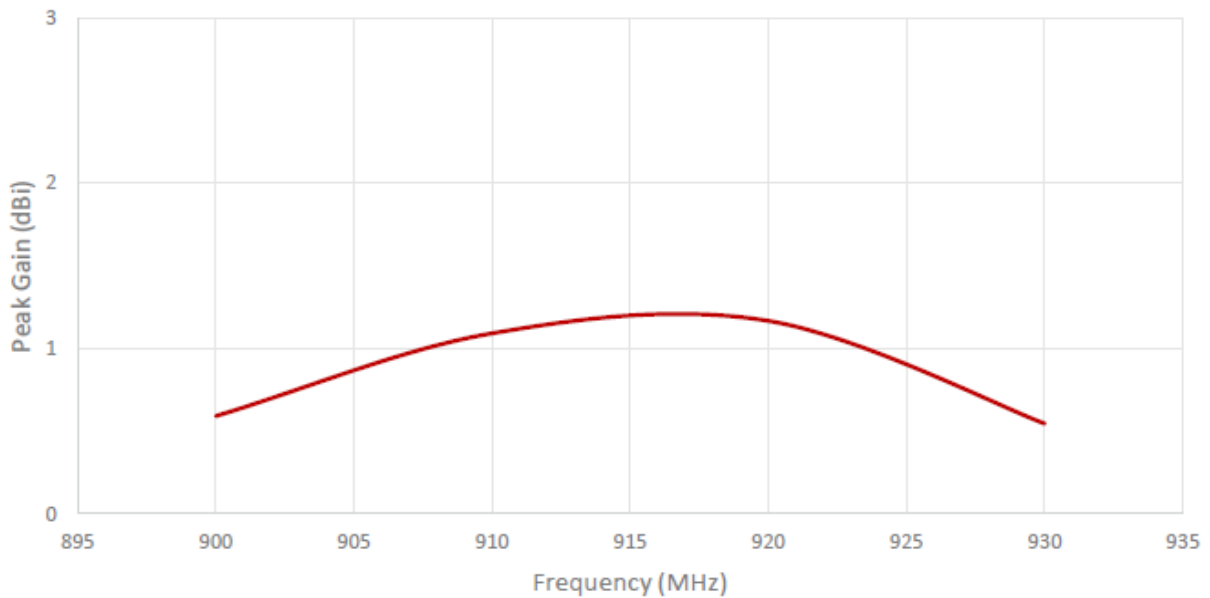
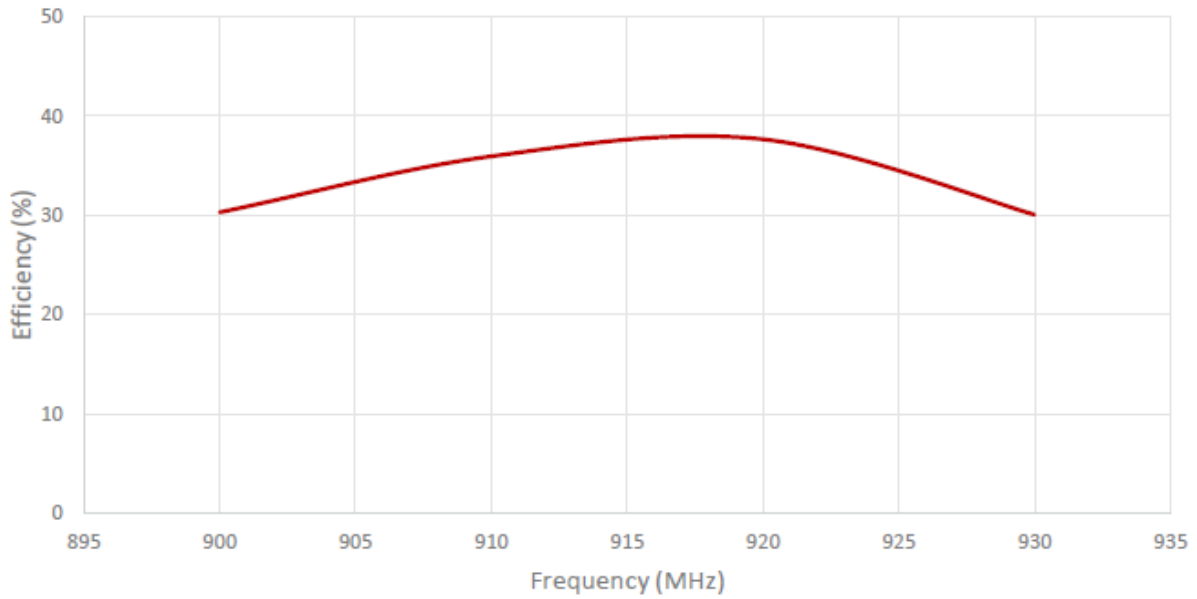


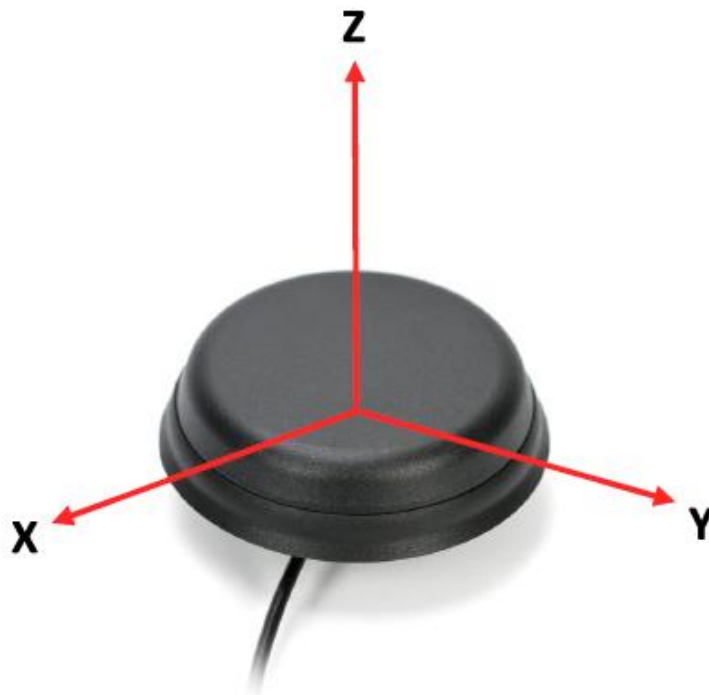
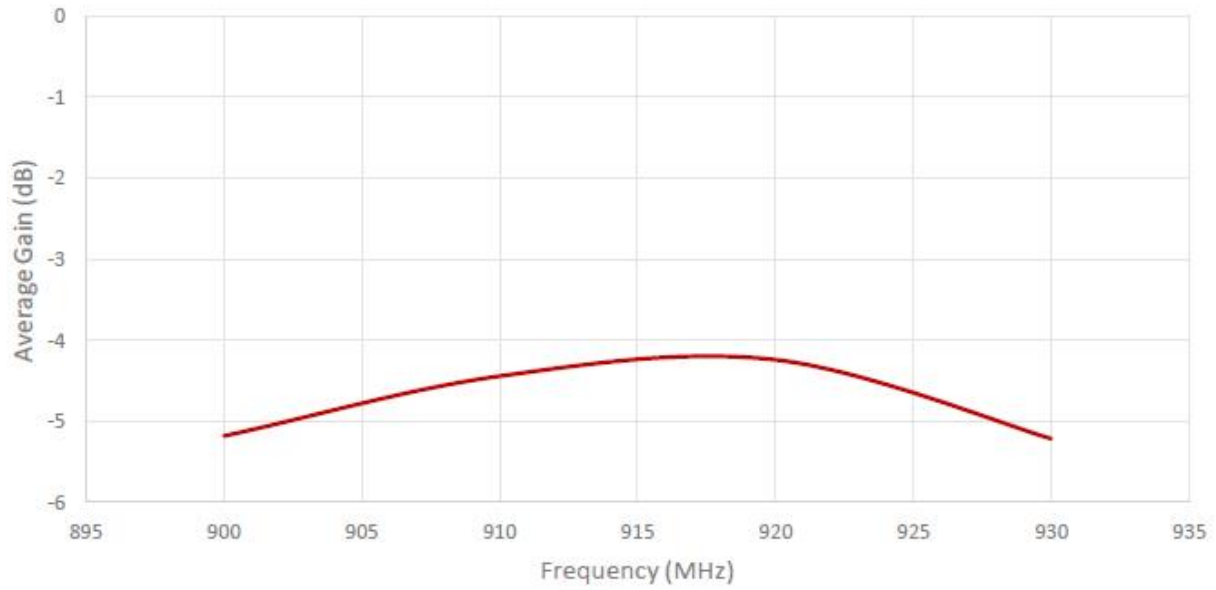
### 3. Antenna drawings



#### 4. Antenna parameters

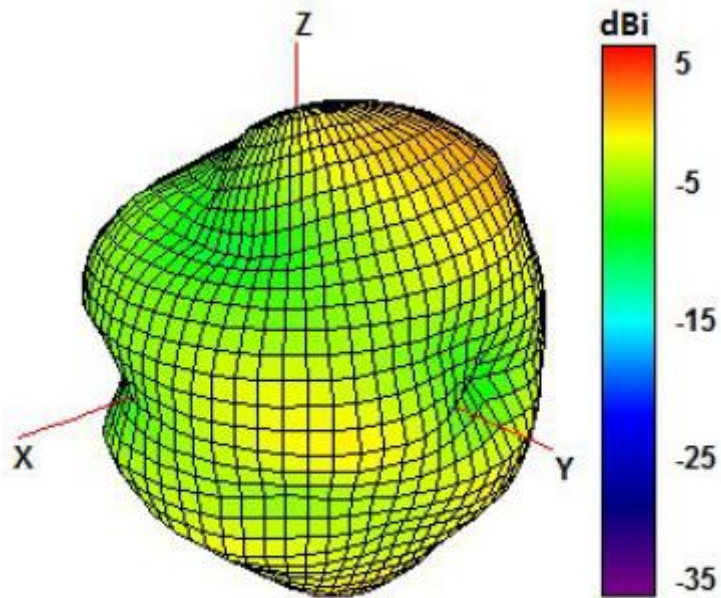






Radiation pattern reference





915 MHz Radiation pattern

