

AMC-ANT-2J6A15B

868MHz & 915MHz ISM screw mount antenna

Features

- 868MHz/915MHz ISM
 - 863 – 870MHz
 - 902 – 928MHz
- Screw mount
- High gain
- Anti-rotation mechanism
- Ground plane dependent
- Certificates: IP67, IP69K, IK09
- Dimensions: 65.5 x Ø 77.3mm
- Customisable cable and connector



1. Antenna and electrical specifications

Parameters	868MHz & 915MHz ISM Antenna	
Standards	LoRa, Sigfox, ZigBee, ISM	
Band (MHz)	868	915
Frequency (MHz)	863 - 870	902 - 928
Return Loss (dB)	~-17.3	~-15.0
VSWR	~1.3:1	~1.5:1
Efficiency (%)	~61.8	~56
Peak Gain (dBi)	~2.6	~2.7
Average Gain (dB)	~-2.1	~-2.7
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	SMA male standard (other connectors available)	
Cable Length	300cm standard (other lengths available)	
Cable Type	RG174 standard (other cables available)	

Antenna measurement conditions:

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

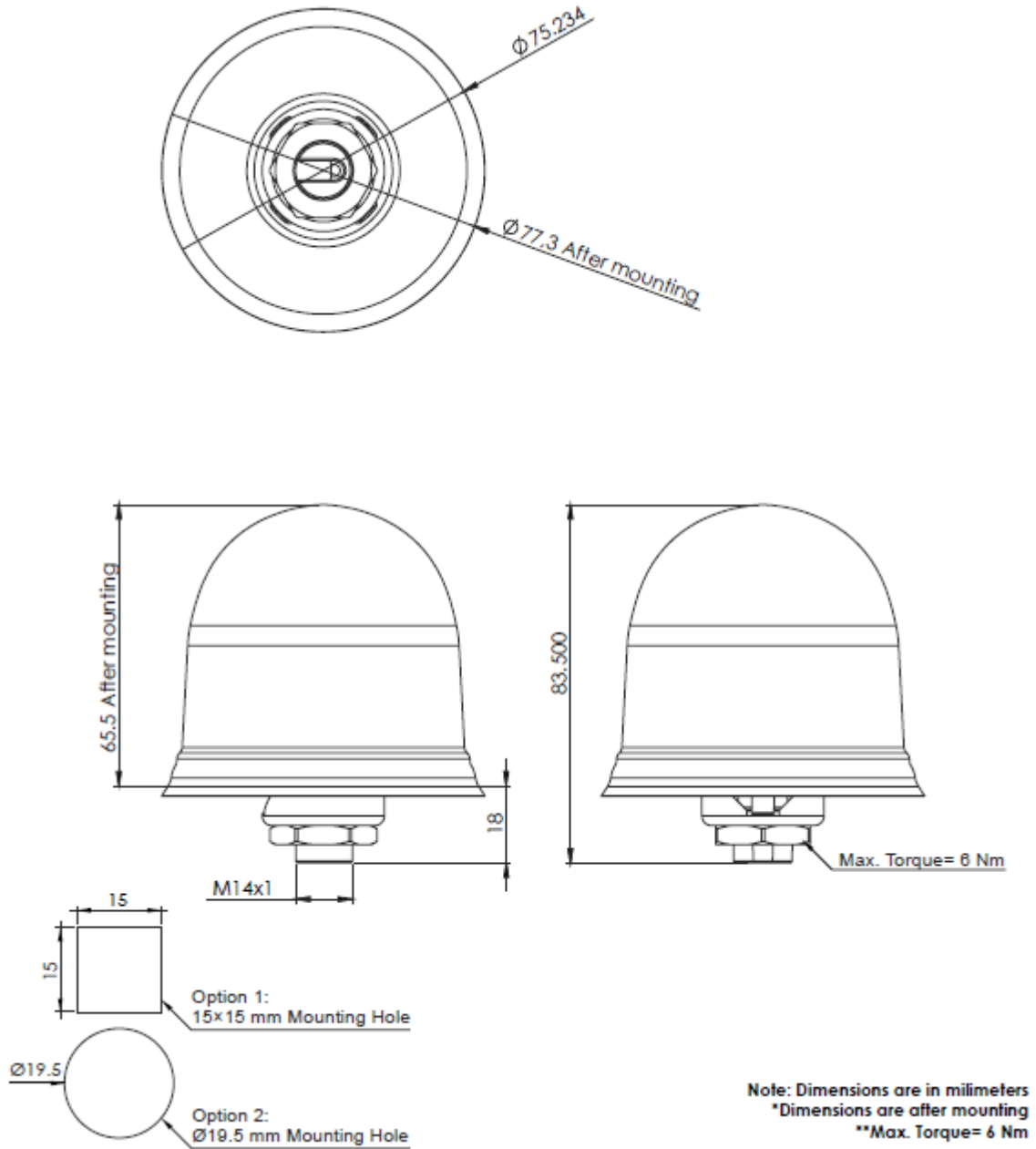


2. Mechanical and environmental specifications

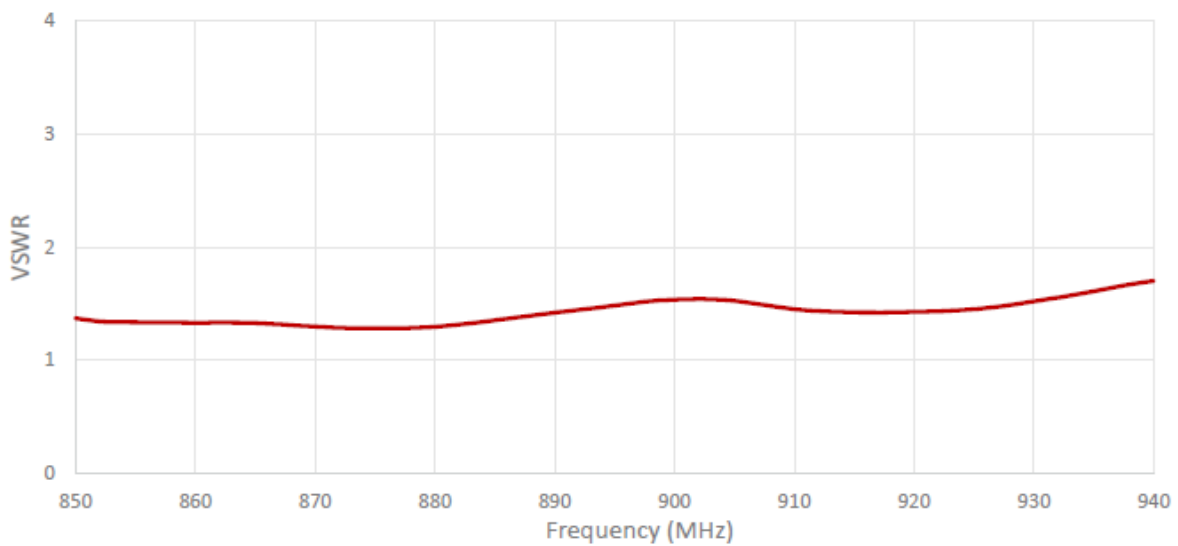
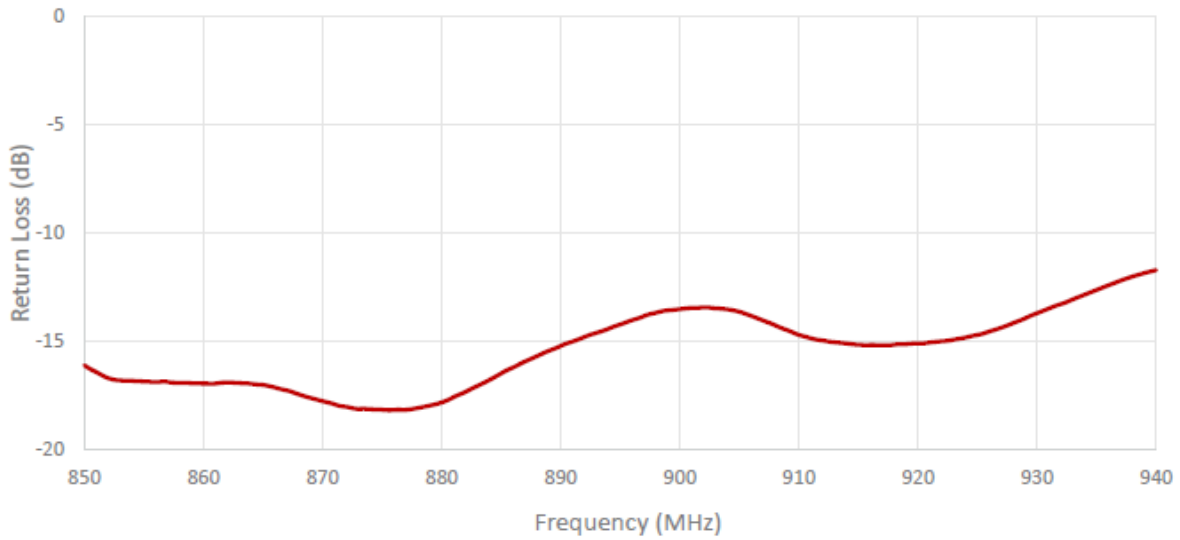
Mounting Type	Screw mount
Dimensions (mm)	65.5 x Ø 77.3
Max. Tighten Torque (Nm)	6
Radome	ASA
Radome Color	Black
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69K, IK09

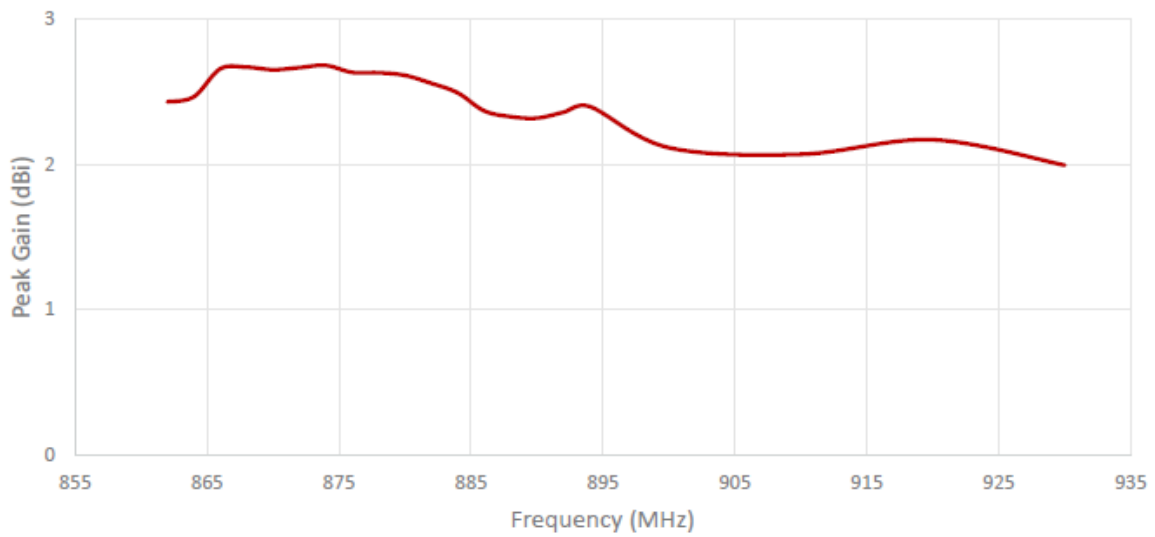
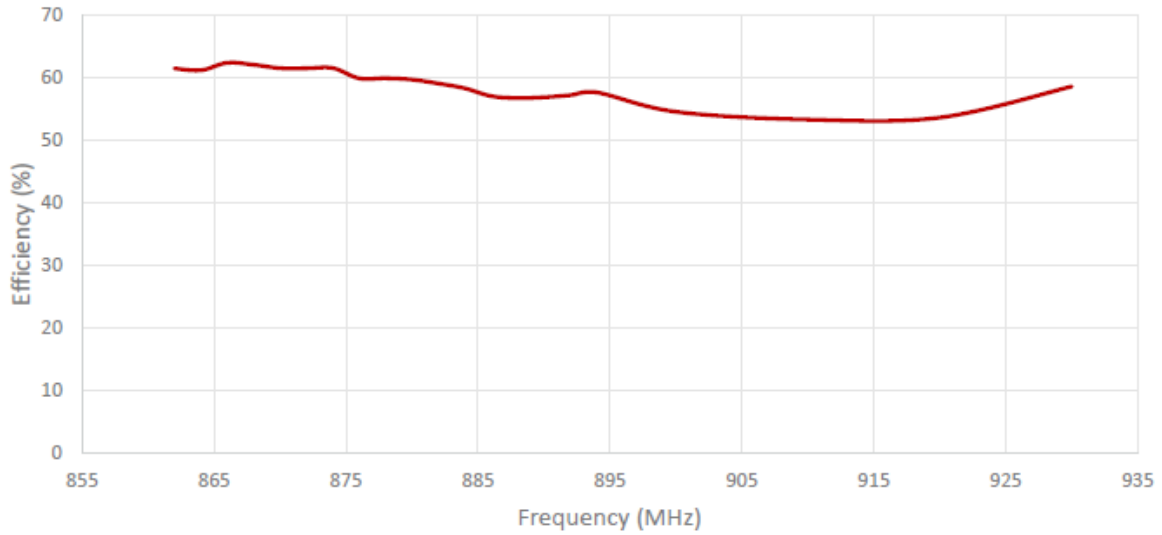


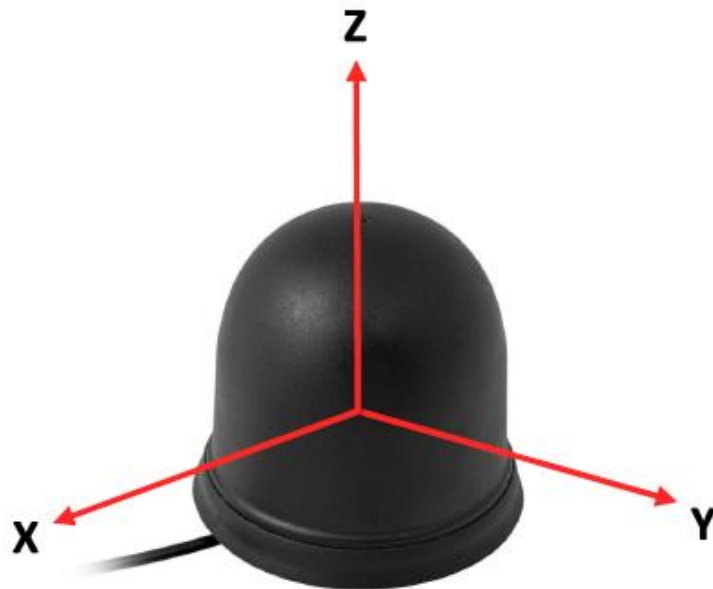
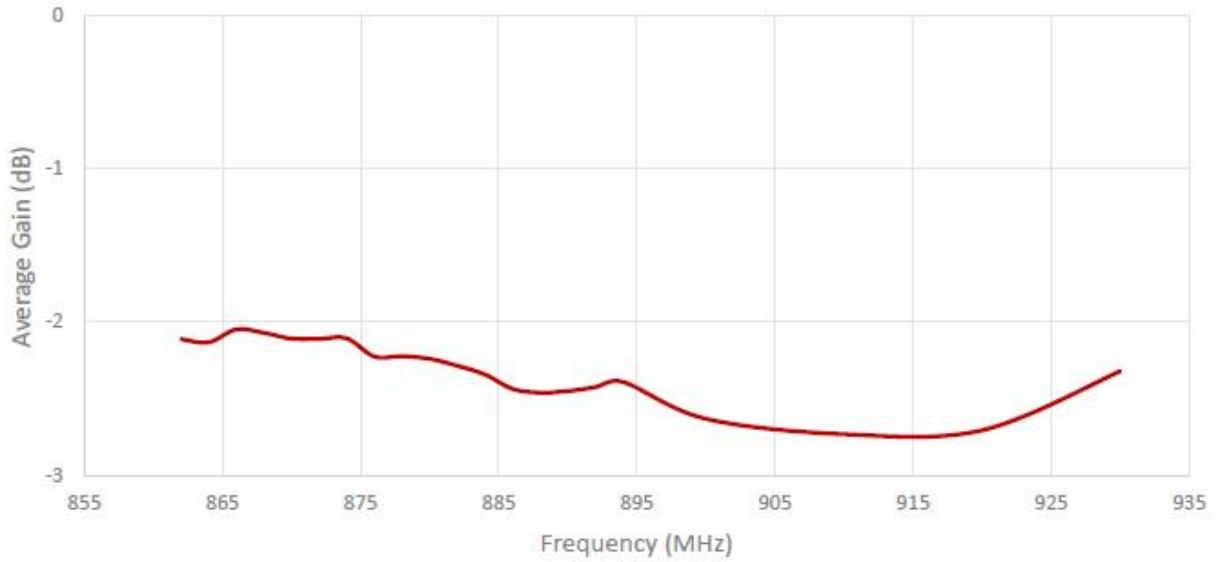
3. Antenna drawings



4. Antenna parameters







Radiation pattern reference



