

2J6915B-868

868 MHz ISM Screw Mount

Key Features

868 MHz ISM

- 863-870 MHz

Screw Mount

Low Profile

Anti-Rotation Mechanism

Ground Plane Independent

Customizable Cable and Connector

Dimensions 80 × 74 × 25.6 mm

Certificates: IP67, IP69



1. Antenna and electrical specifications

Parameters	868 MHz ISM Antenna
Standards	ZigBee, ISM, SIGFOX, LoRa
Band (MHz)	868 MHz
Frequency (MHz)	863-870
Return Loss (dB)	~-17.7
VSWR	~1.3:1
Efficiency (%)	~61.0
Peak Gain (dBi)	~4.4
Average Gain (dB)	~-2.1
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	SMA-Male Standard (Other Connectors Available)
Cable Length	300 cm Standard (Any Cable Length Available)
Cable Type	D302 Standard (Other Cables Available)

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

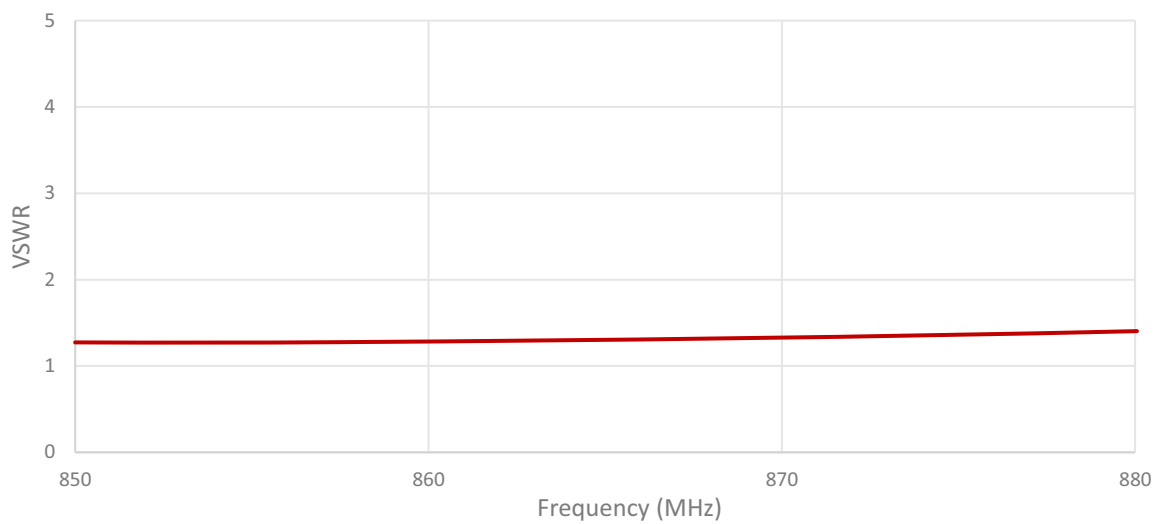
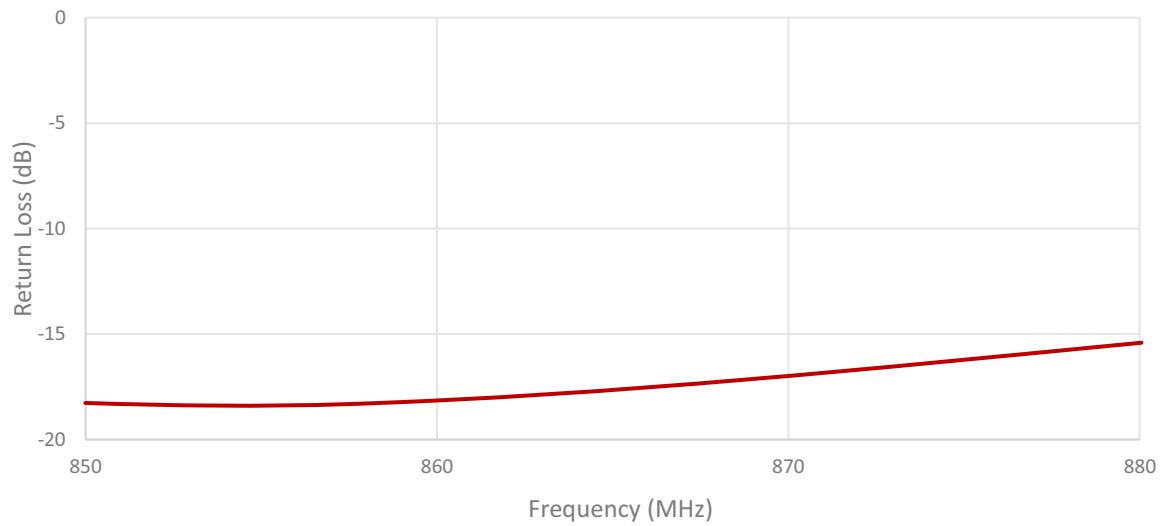
200 cm of D302 Cable

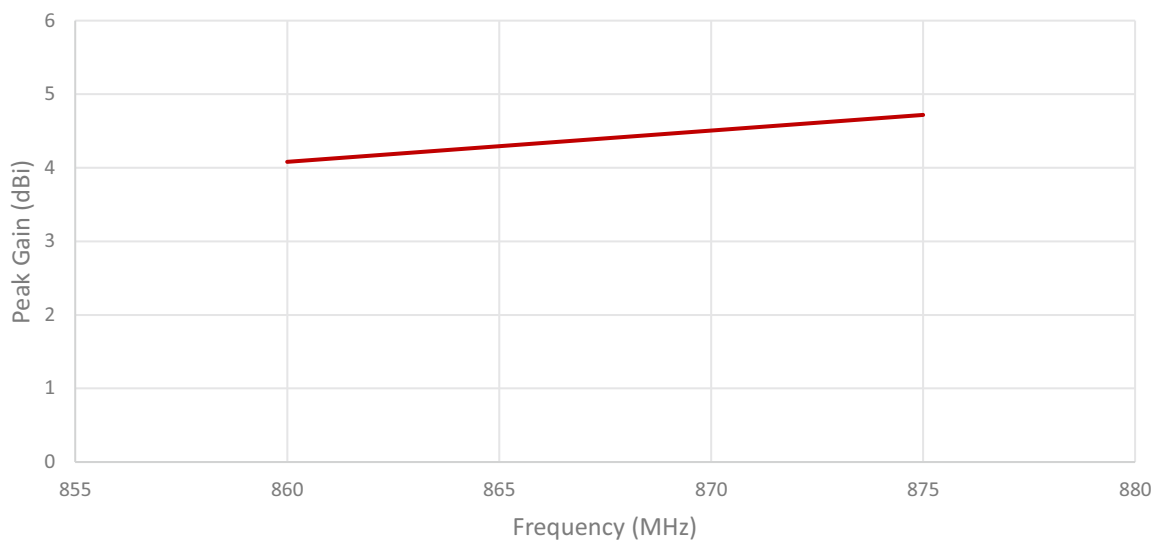
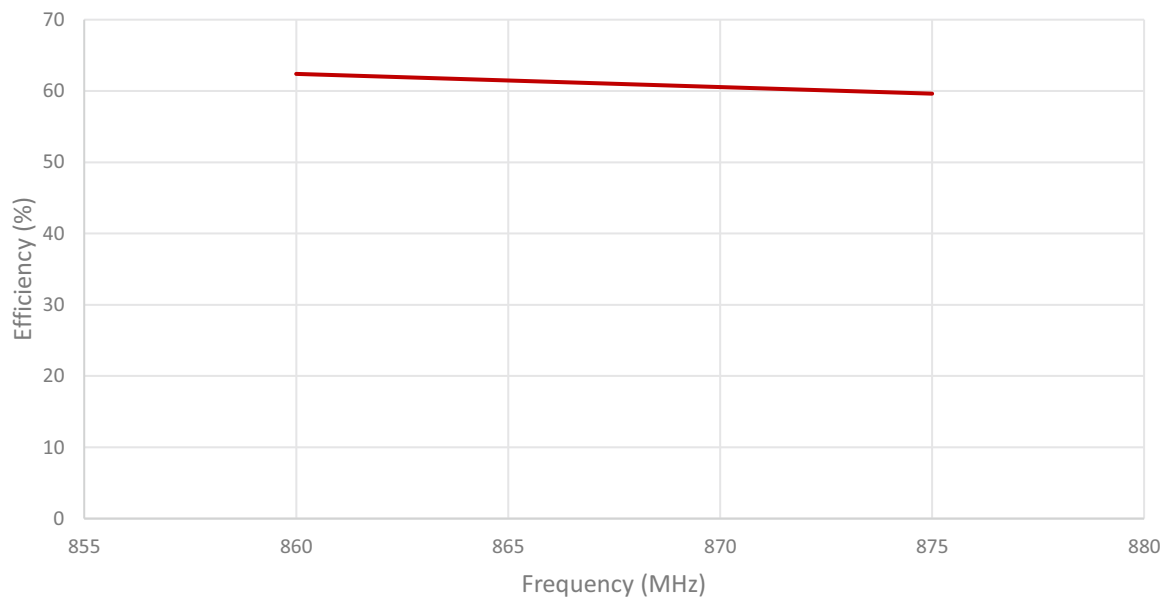
Measured in Certified CTIA 3D Anechoic Chamber

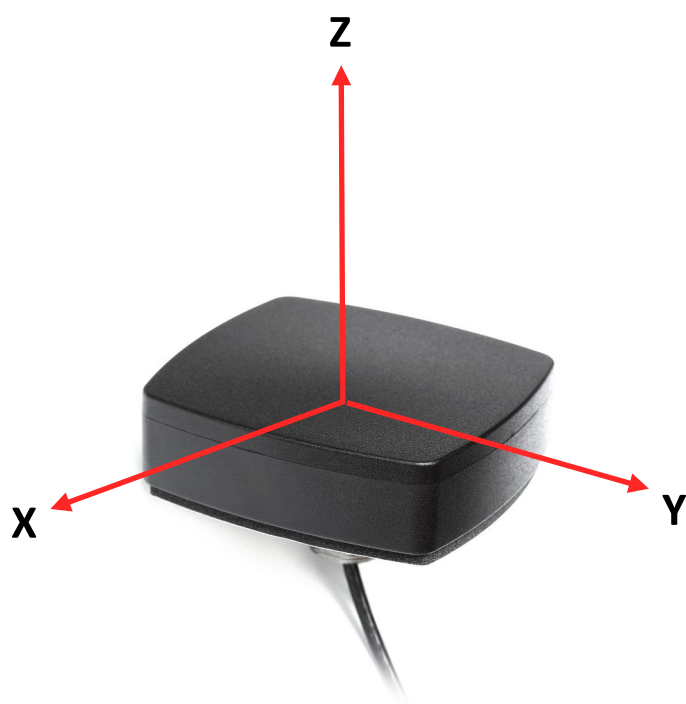
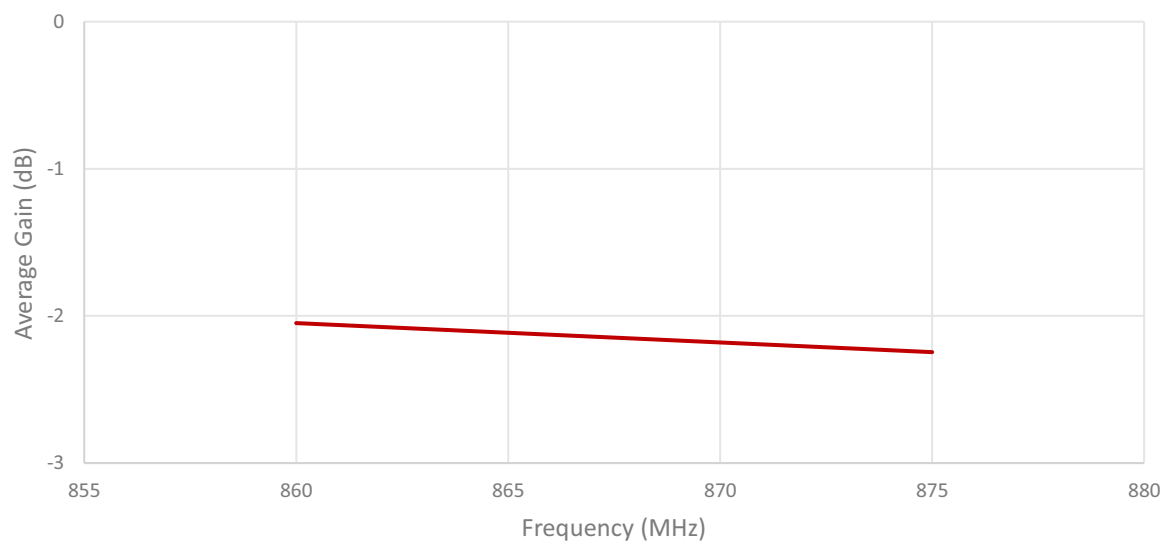
2. Mechanical and environmental specifications

Specifications	2J6915B-868
Mounting Type	Screw Mount
Dimensions (mm)	80 x 74 x 25.6
Rec. Tighten Torque (Nm)	5 Nm
Radome Type	ASA
Radome Color	Black, White
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69

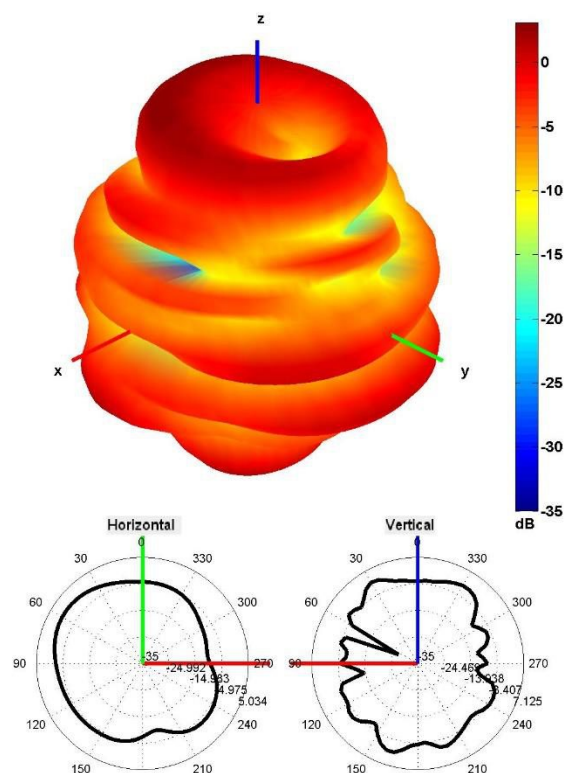
3. Antenna parameters





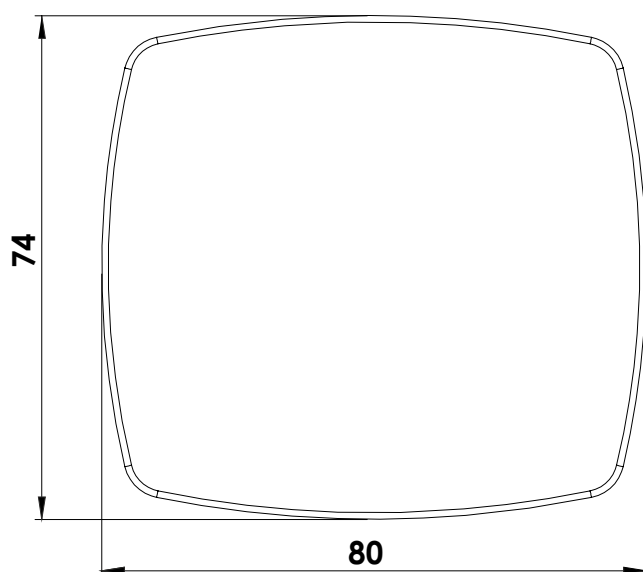
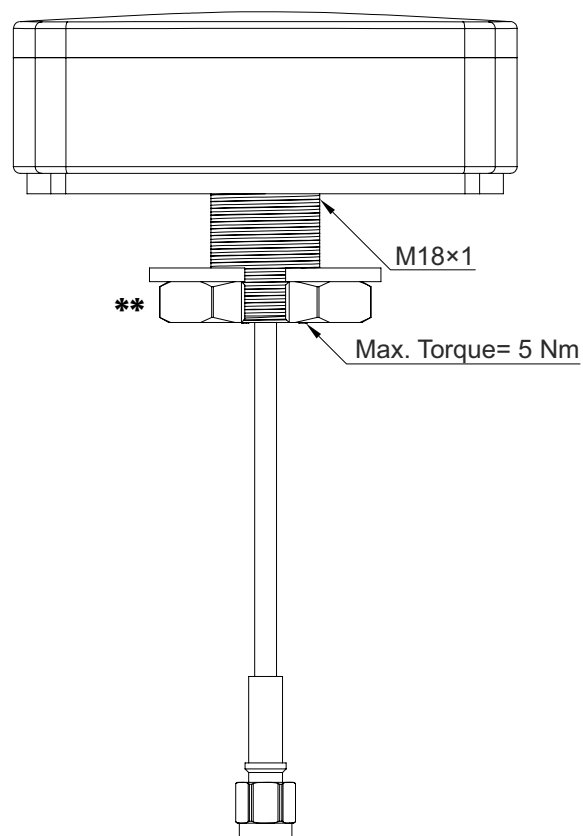
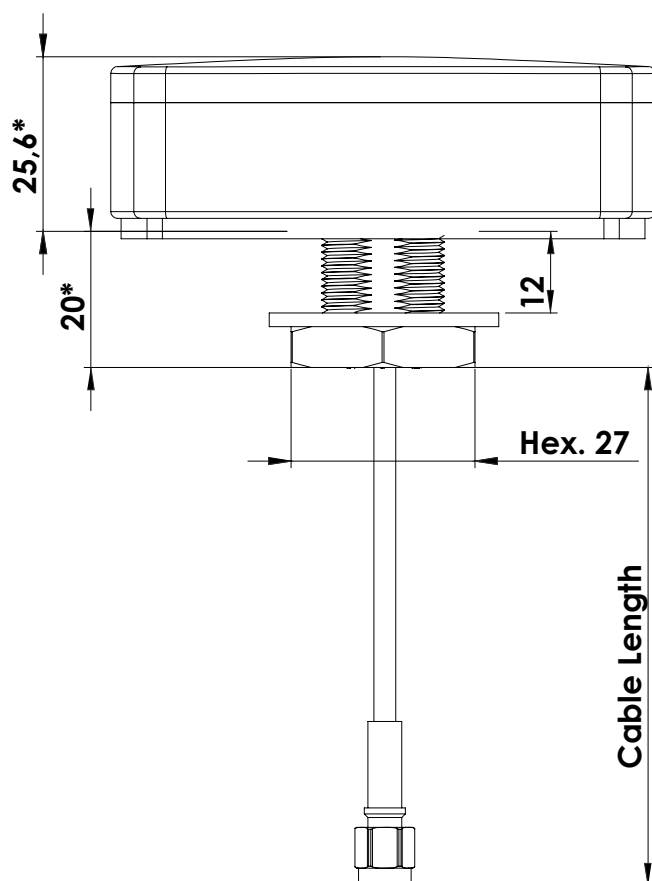


Radiation pattern reference

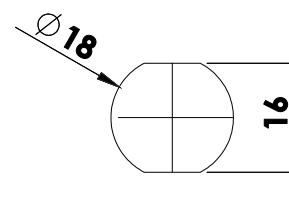


868 MHz Radiation pattern

4. Antenna drawings



Mounting hole



Max. mounting thickness 12mm
 Note: Dimensions are in millimeters
 *Dimensions are after mounting
 **Rec. Torque= 5 Nm

5. Antenna Images

