

2J6815MP-868

868 MHz ISM Magnetic/Adhesive Mount

Key Features

868 MHz ISM

- 863-870 MHz

Magnetic/Adhesive Mount

Ground Plane Dependent

High Performance

Customizable Cable and Connector

Dimensions 117 x 49.5 x 38 mm



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)	~-19.3
VSWR	~1.2:1
Efficiency (%)	~70.3
Peak Gain (dBi)	~3.1
Average Gain (dB)	~-1.5
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 cm Ground Plane

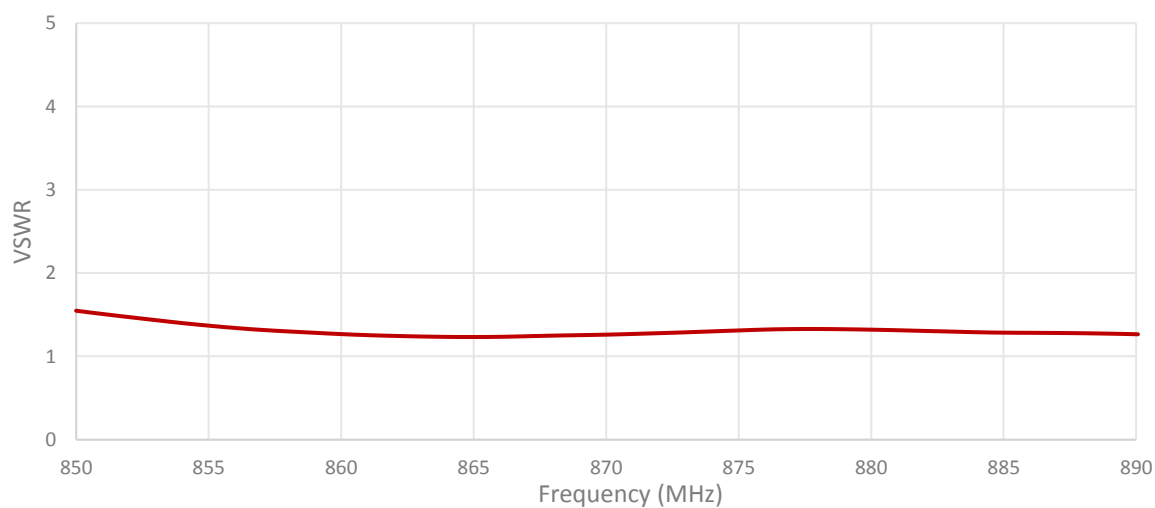
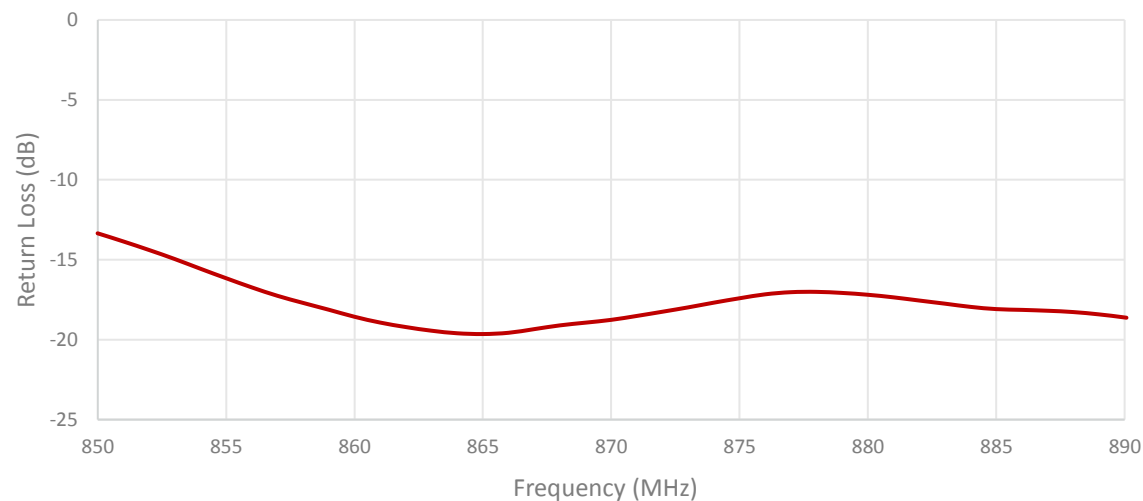
200 cm of D302 Cable

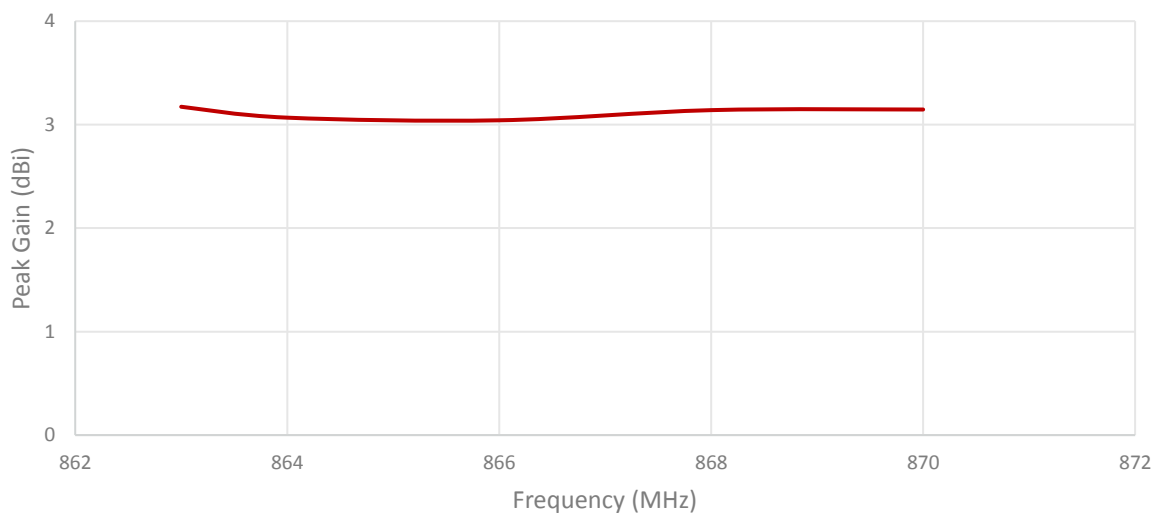
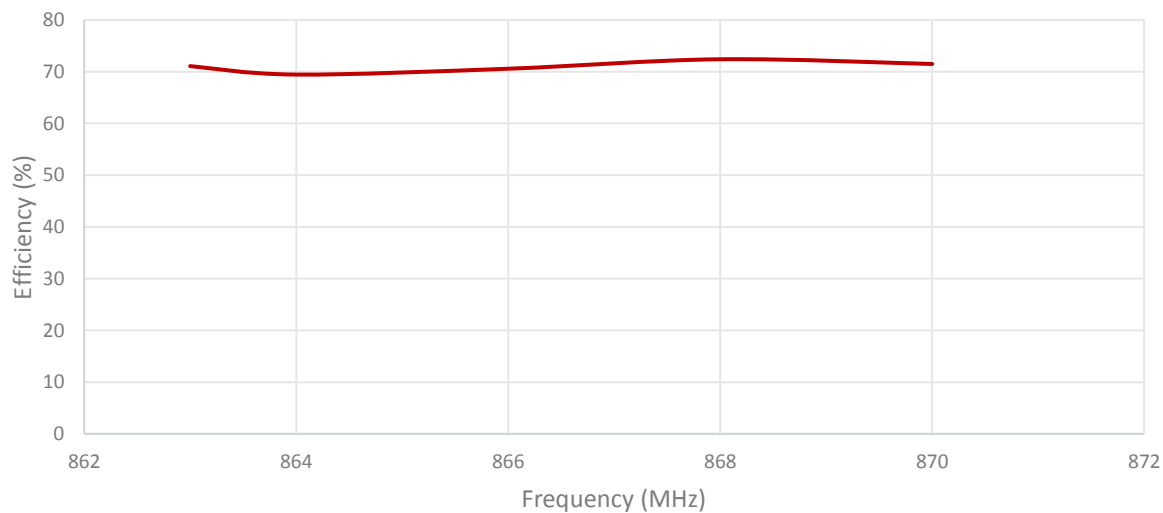
Measured in Certified CTIA 3D Anechoic Chamber

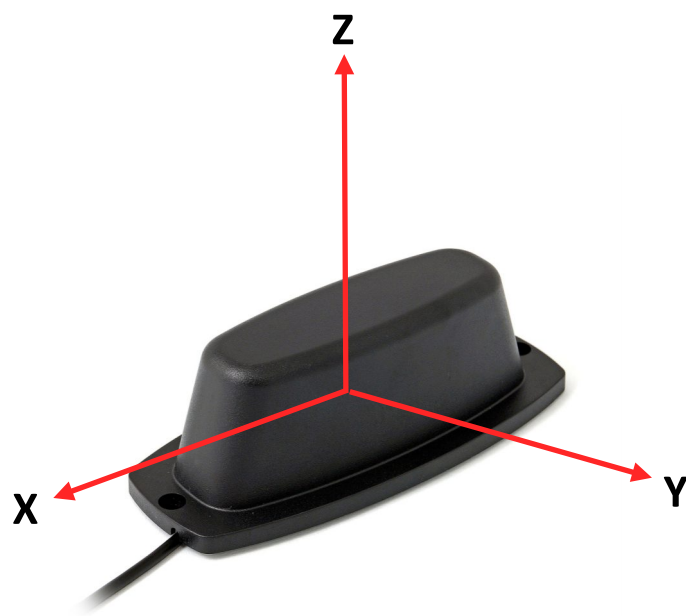
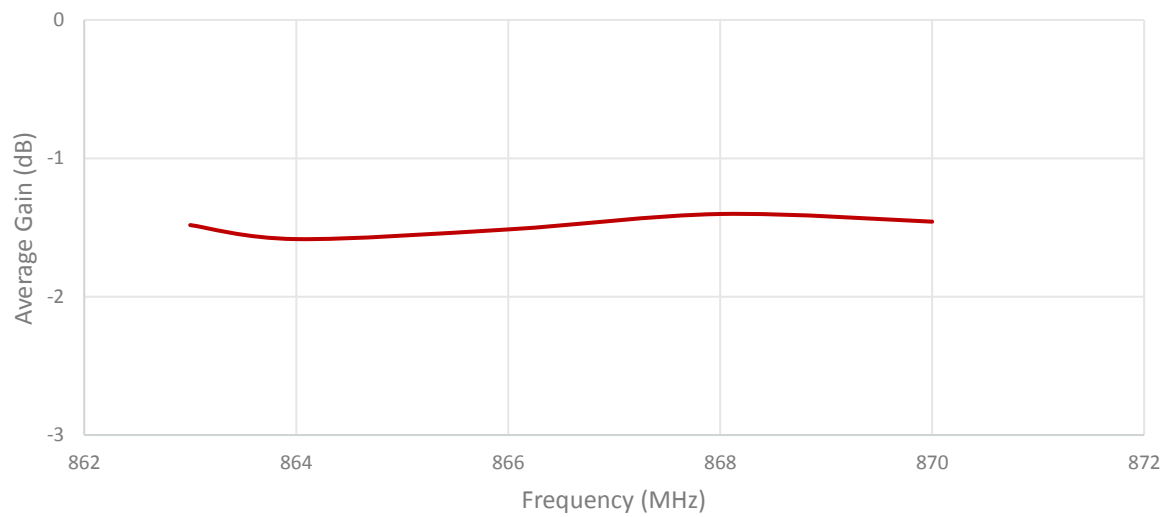
2. Mechanical and environmental specifications

Specifications	2J6815MP-868
Mounting Type	Magnetic/Adhesive Mount
Dimensions (mm)	117 x 49.5 x 38
Radome	ASA
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

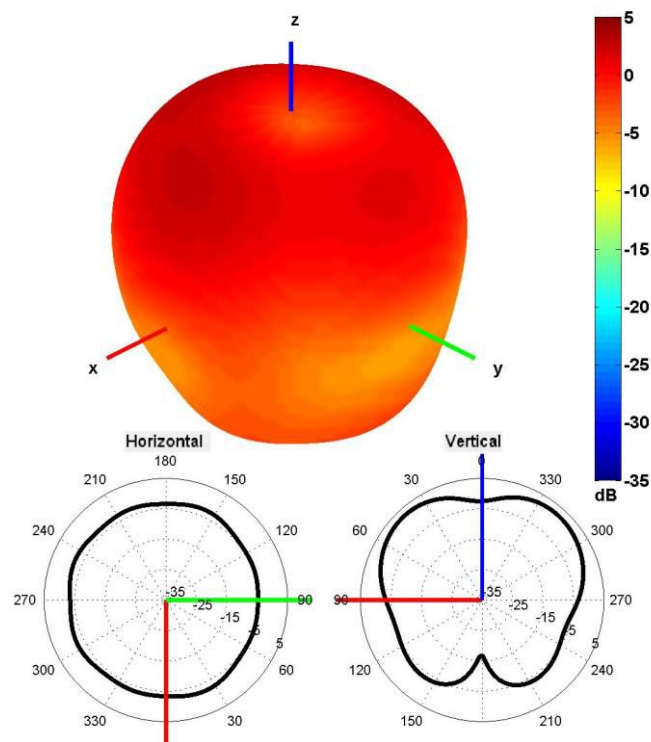
3. Antenna parameters





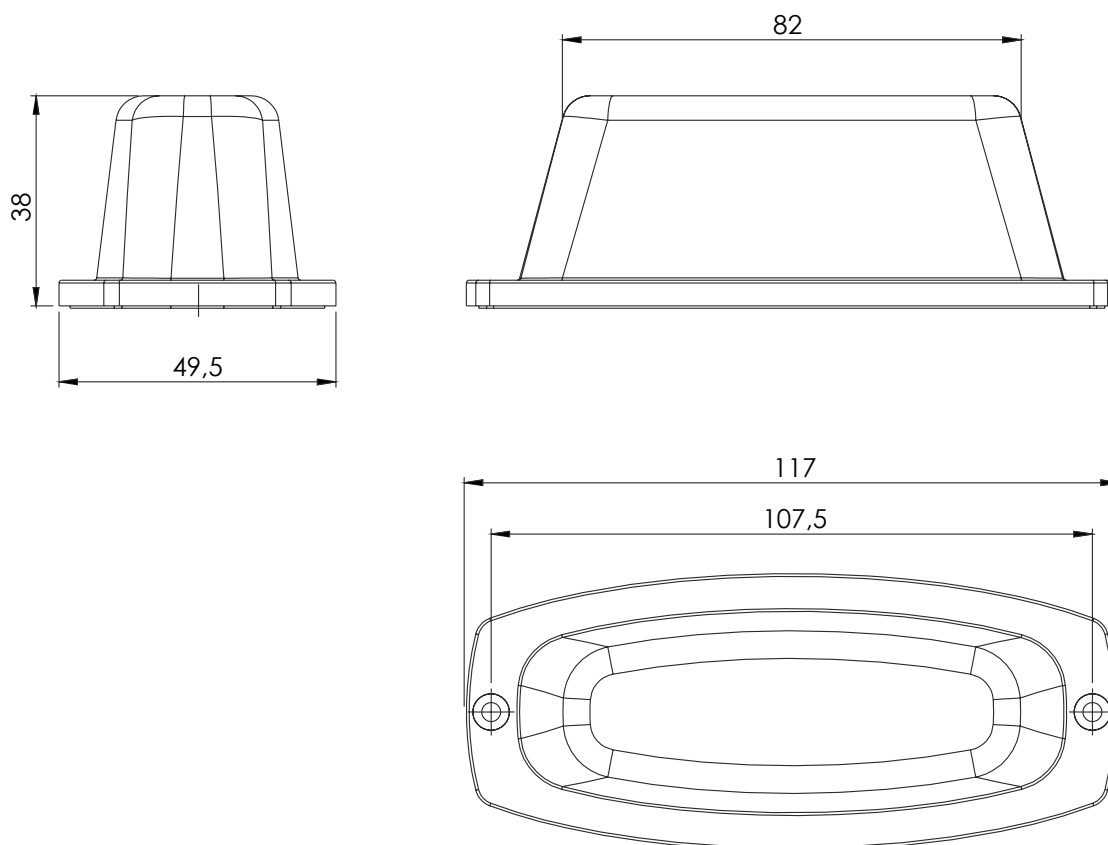


Radiation pattern reference



868 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

