

2J0115-868-C109N

868 MHz ISM Connector Mount

Key Features

868 MHz ISM

- 863-870 MHz

Connector Mount

Ground Plane Dependent

Low Profile

Dimensions 53 x 10 × 18 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)	~-15.4
VSWR	~1.4:1
Efficiency (%)	~77.4
Peak Gain (dBi)	~1.3
Average Gain (dB)	~-1.1
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	SMA-Male Standard

Antenna Measurement Conditions:

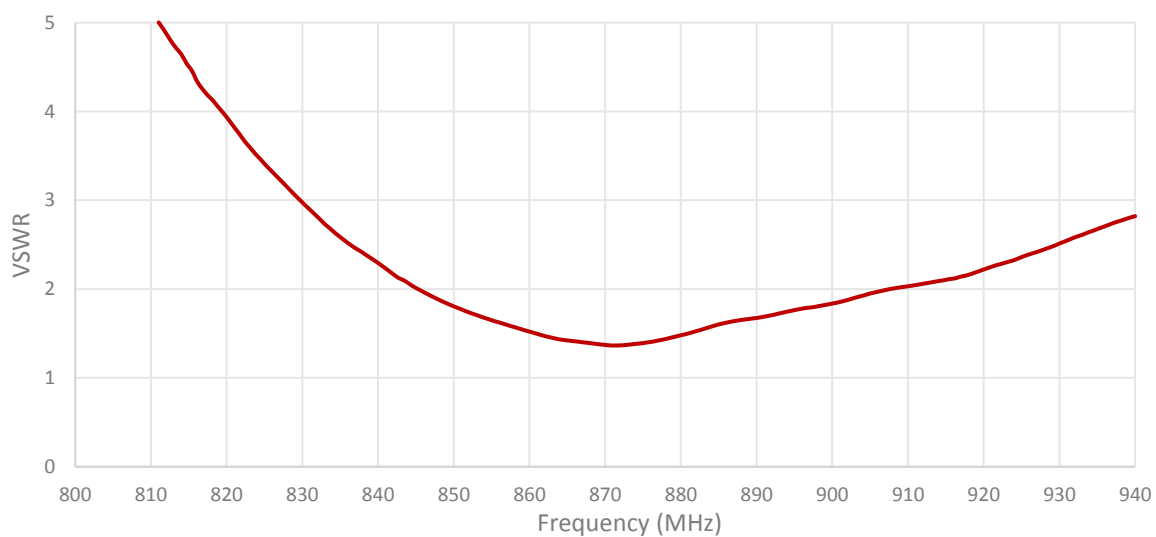
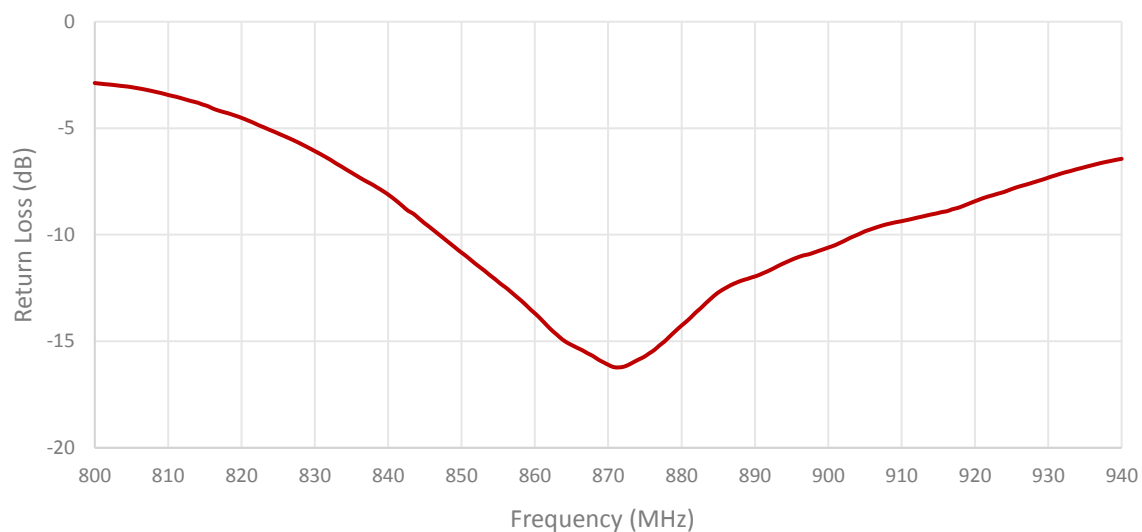
Mounted on Ground Plane of 95x40 mm

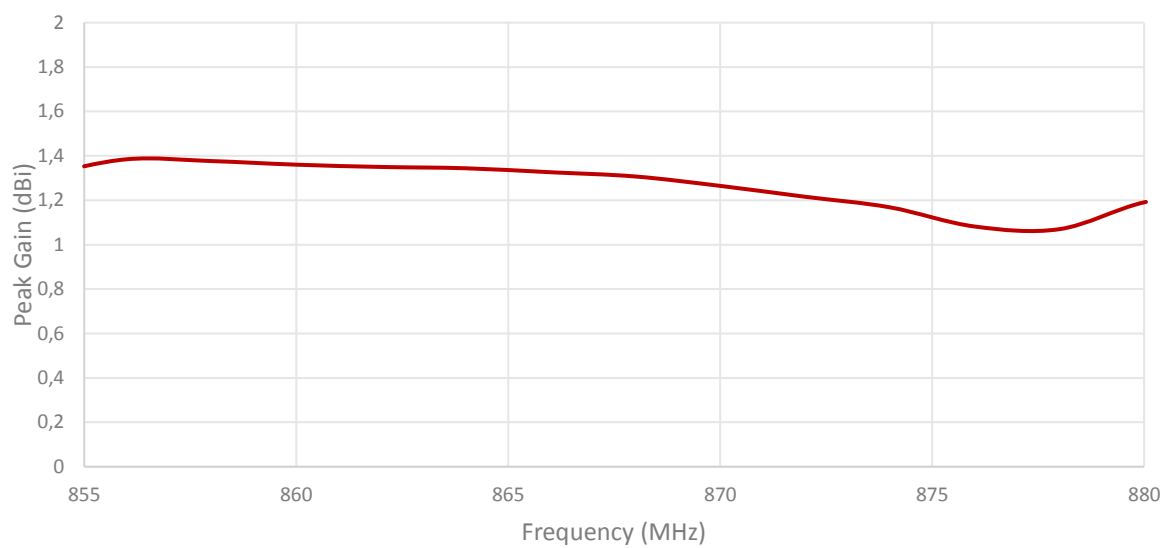
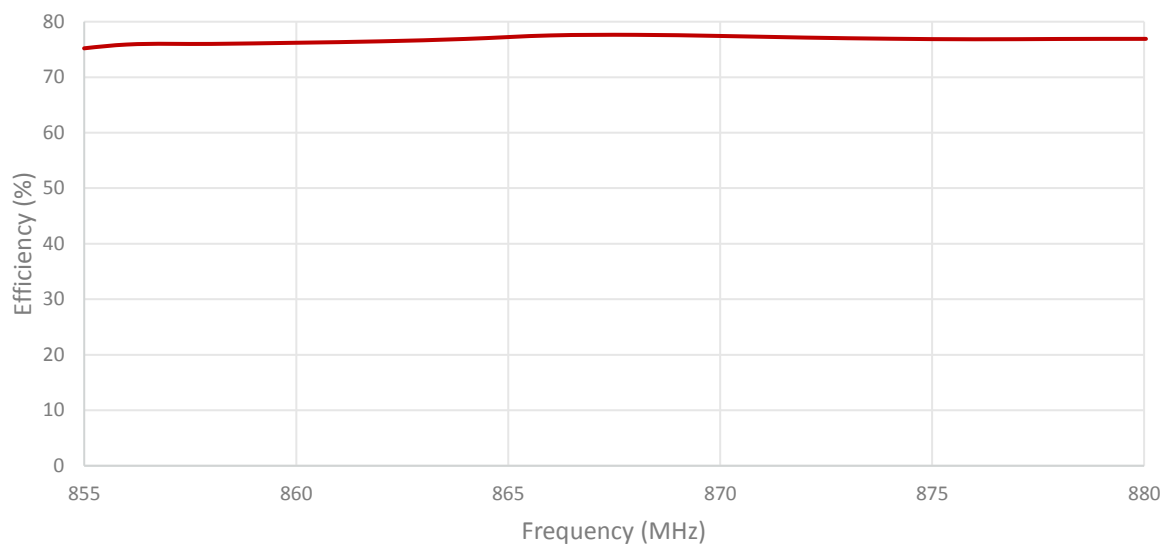
Measured in Certified CTIA 3D Anechoic Chamber

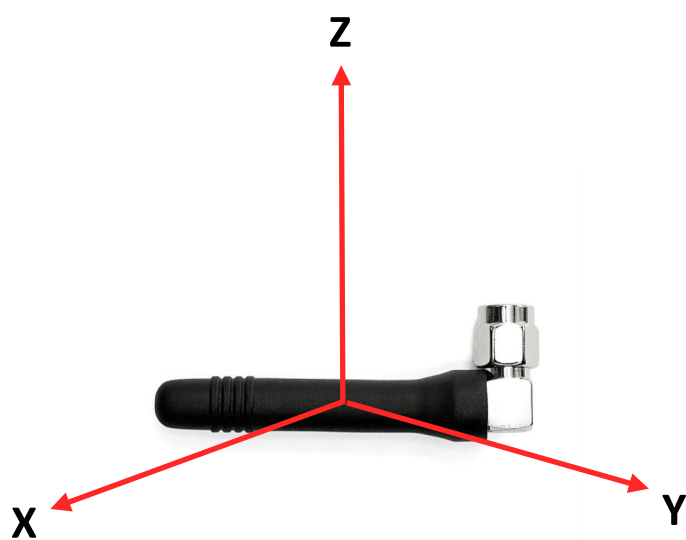
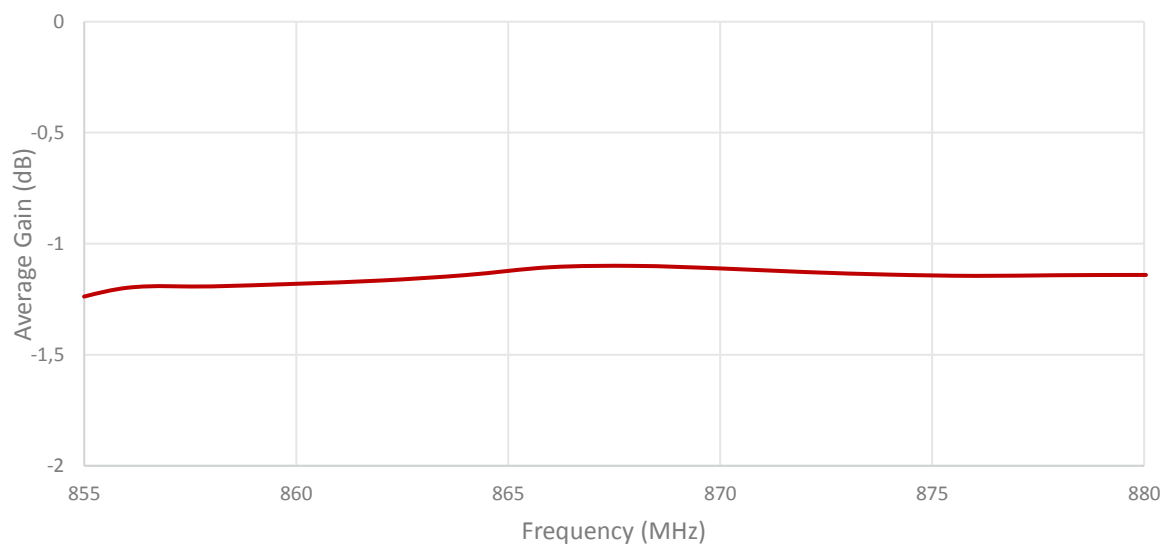
2. Mechanical and environmental specifications

Specifications	2J0115-868-C109N
Mounting Type	Connector Mount
Dimensions (mm)	53 × 10 × 18
Radome	ABS UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

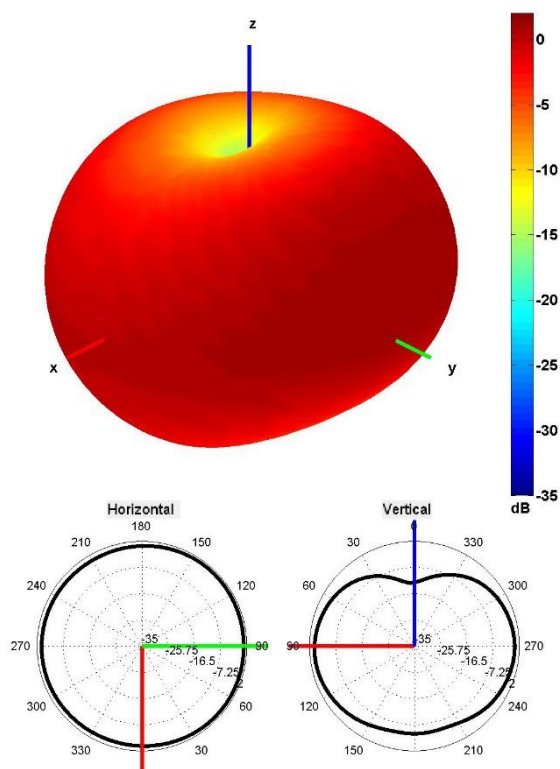
3. Antenna parameters





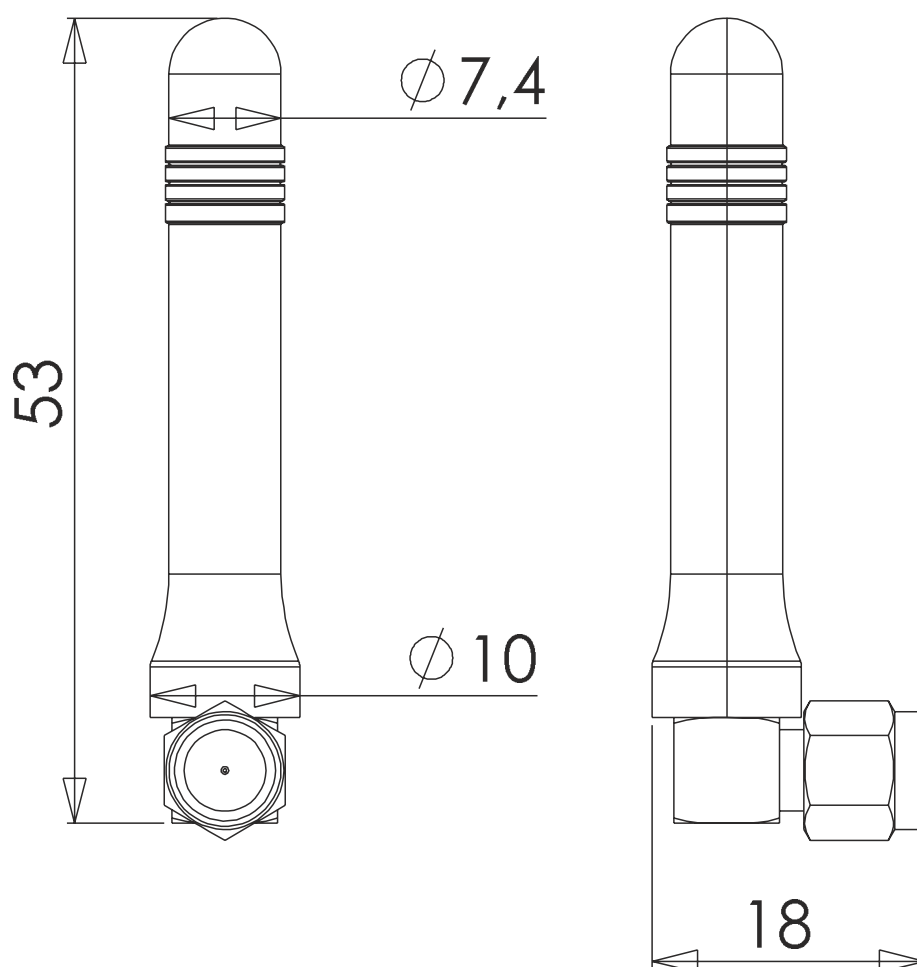


Radiation pattern reference



868 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

