

2JW0815-868-C20N

868 MHz ISM Connector Mount

Key Features

868 MHz ISM

- 863-870 MHz

Connector Mount

Ground Plane Independent

High Gain

Dimensions 137.3 x Ø 15.7 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)	~-9.7
VSWR	~2.0:1
Efficiency (%)	~55.3
Peak Gain (dBi)	~2.6
Average Gain (dB)	~-2.7
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	SMA-Male Standard

Antenna Measurement Conditions:

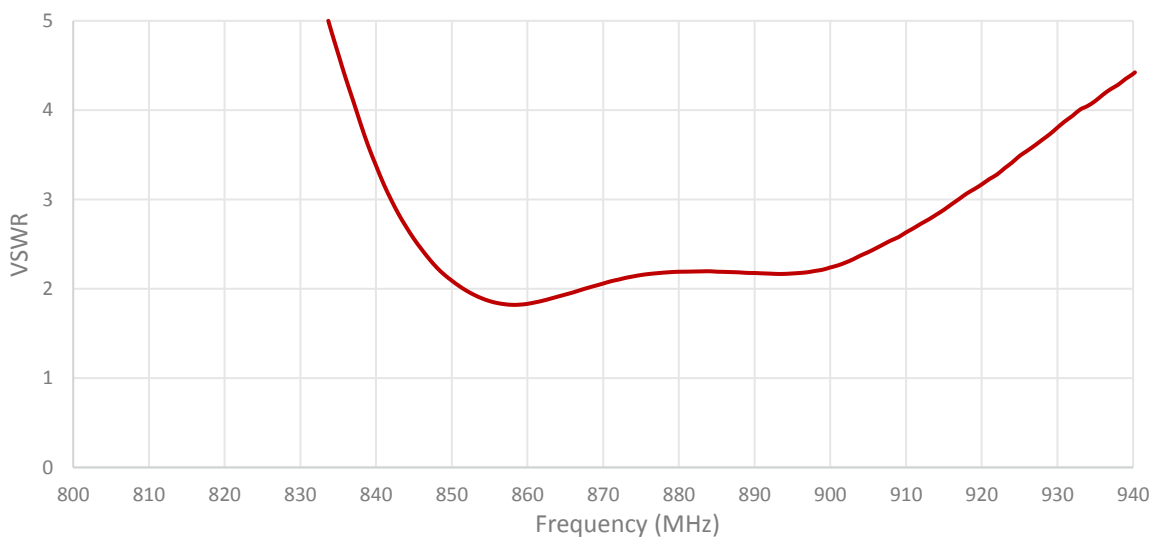
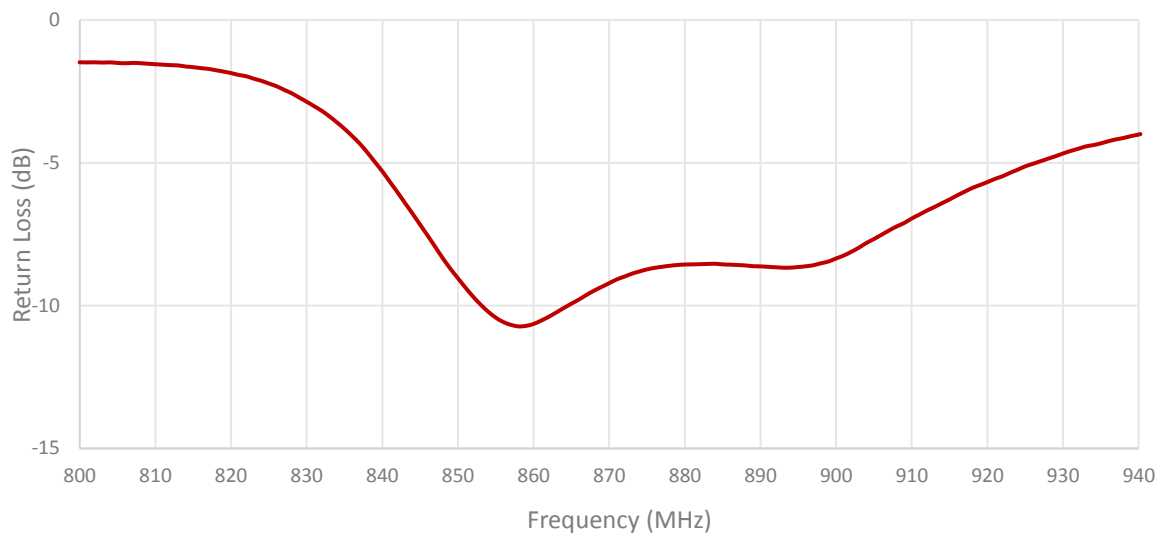
Free Space

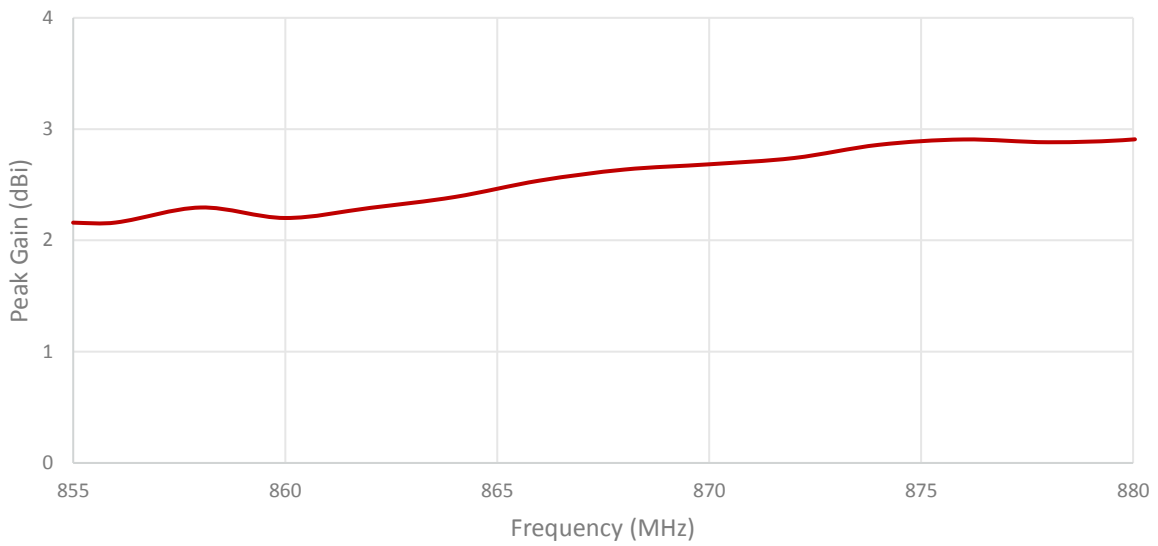
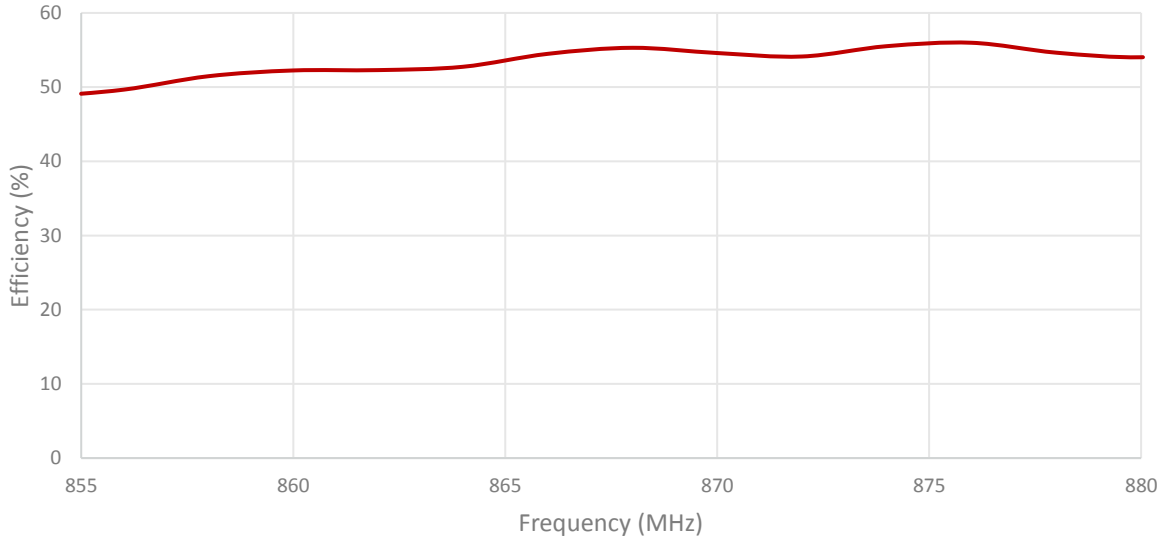
Measured in Certified CTIA 3D Anechoic Chamber

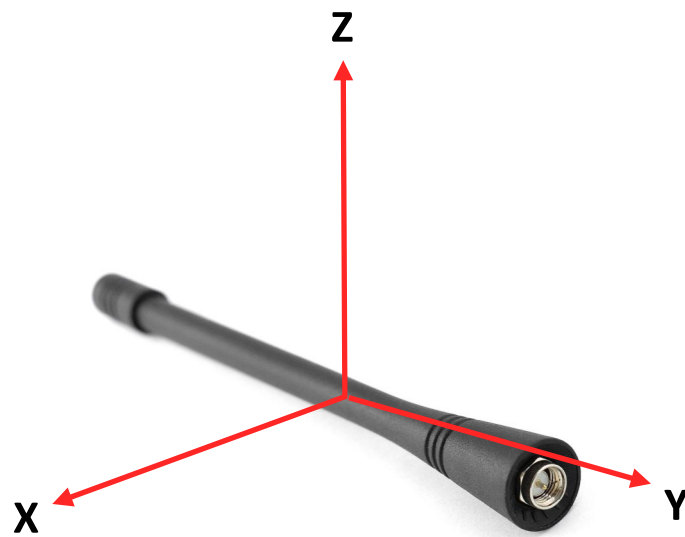
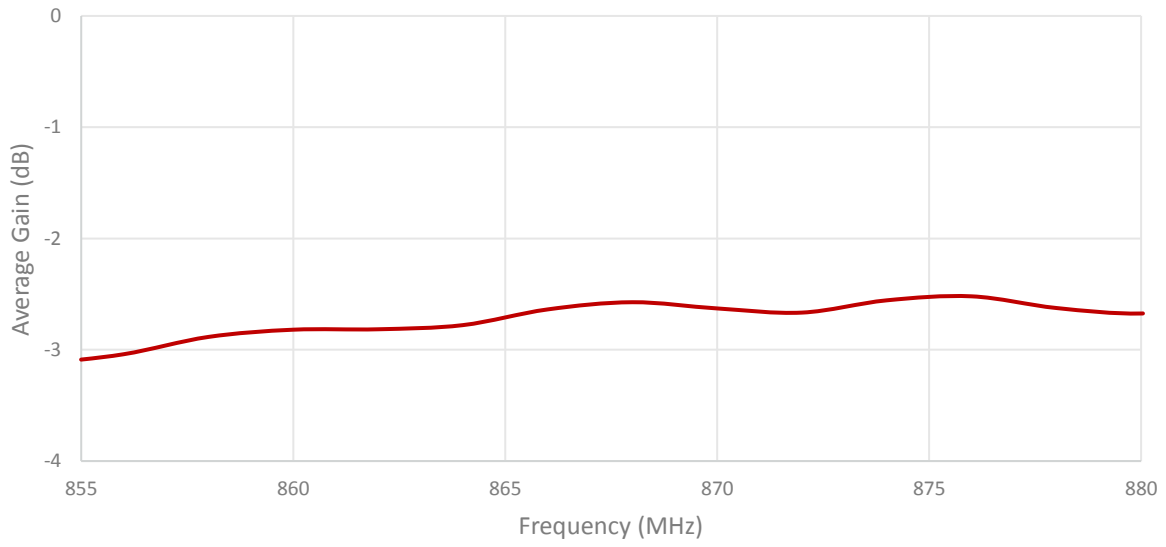
2. Mechanical and environmental specifications

Specifications	2JW0815-868-C20N
Mounting Type	Connector Mount
Dimensions (mm)	137.3 x Ø 15.7
Radome	TPE
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

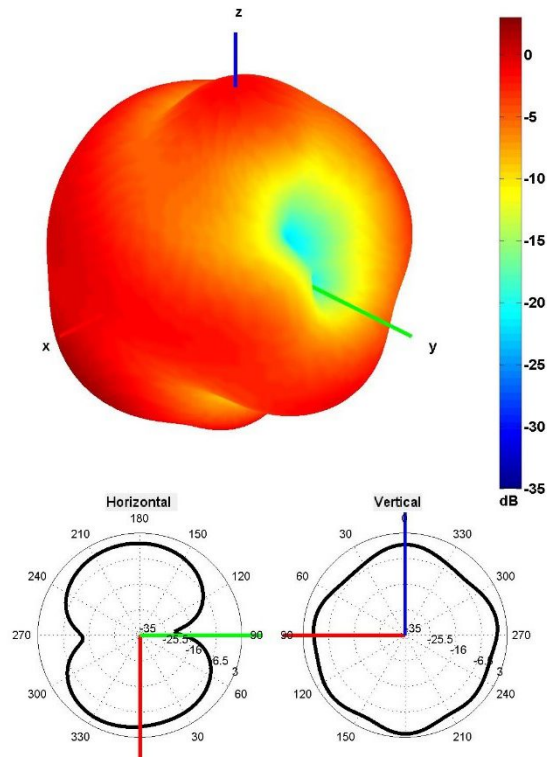
3. Antenna parameters





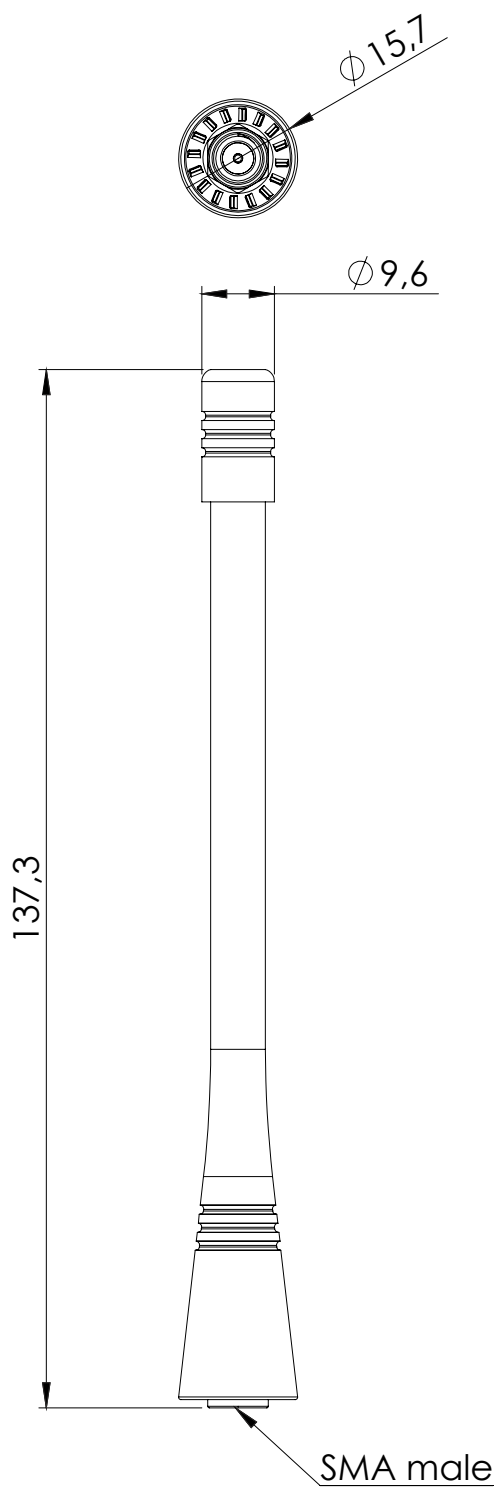


Radiation pattern reference



868 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

