

2JW0815-433-C20N

433 MHz ISM Connector Mount

Key Features

433 MHz ISM

- 433-435 MHz

Connector Mount

Ground Plane Dependent

Low Profile

Dimensions 137.3 x Ø 15.7 mm



1. Antenna and electrical specifications

Parameters	433 MHz ISM Antenna
Standards	ISM, LoRa
Band (MHz)	433 MHz
Frequency (MHz)	433-435
Return Loss (dB)	~7.2
VSWR	~2.5:1
Efficiency (%)	~50.3
Peak Gain (dBi)	~0.5
Average Gain (dB)	~-3.0
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	SMA-Male Standard

Antenna Measurement Conditions:

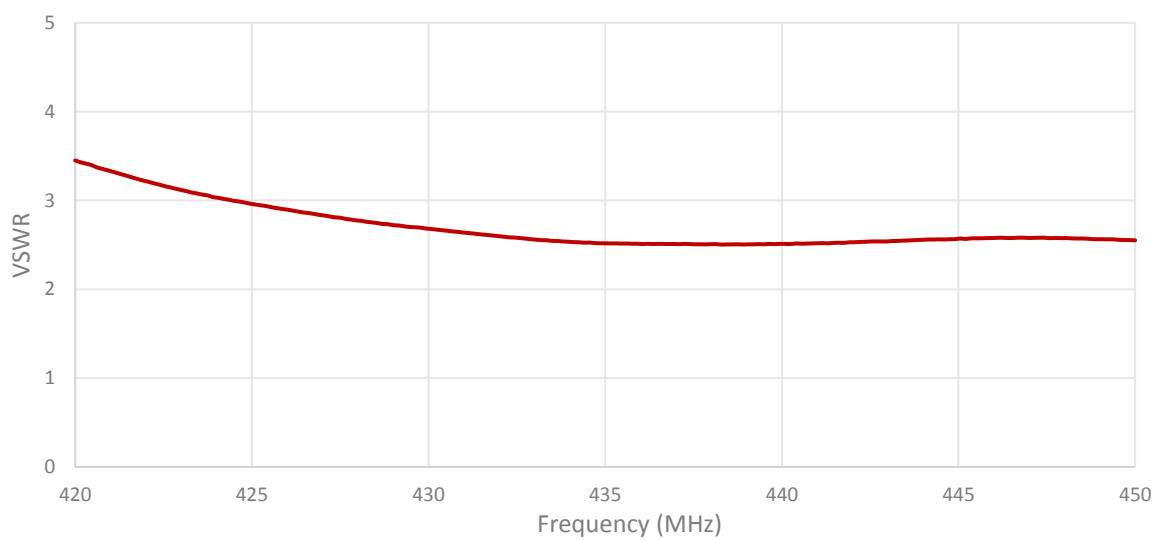
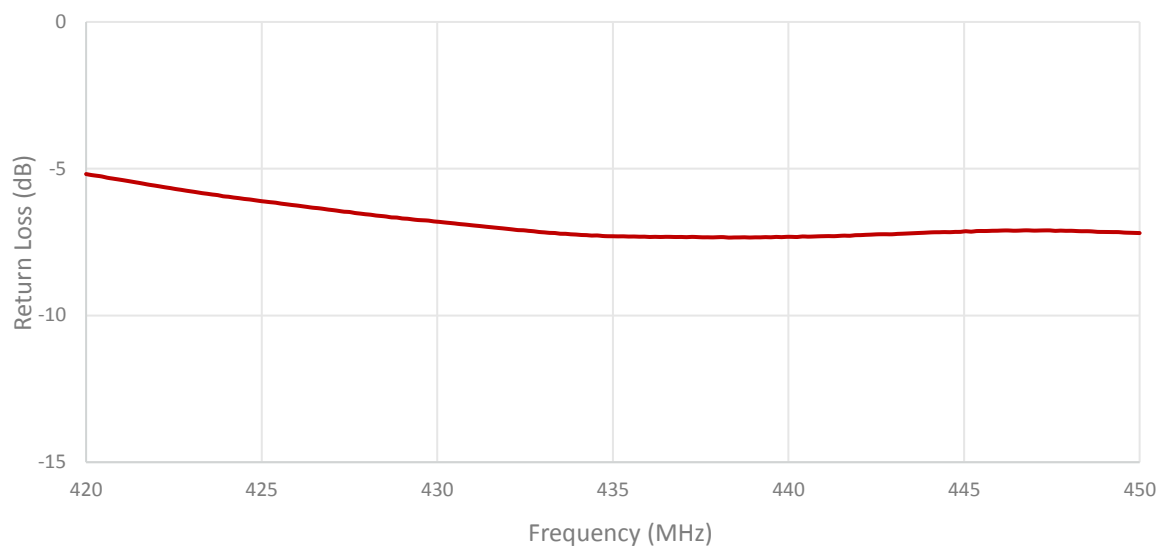
Mounted on Ground Plane of 150x50 mm

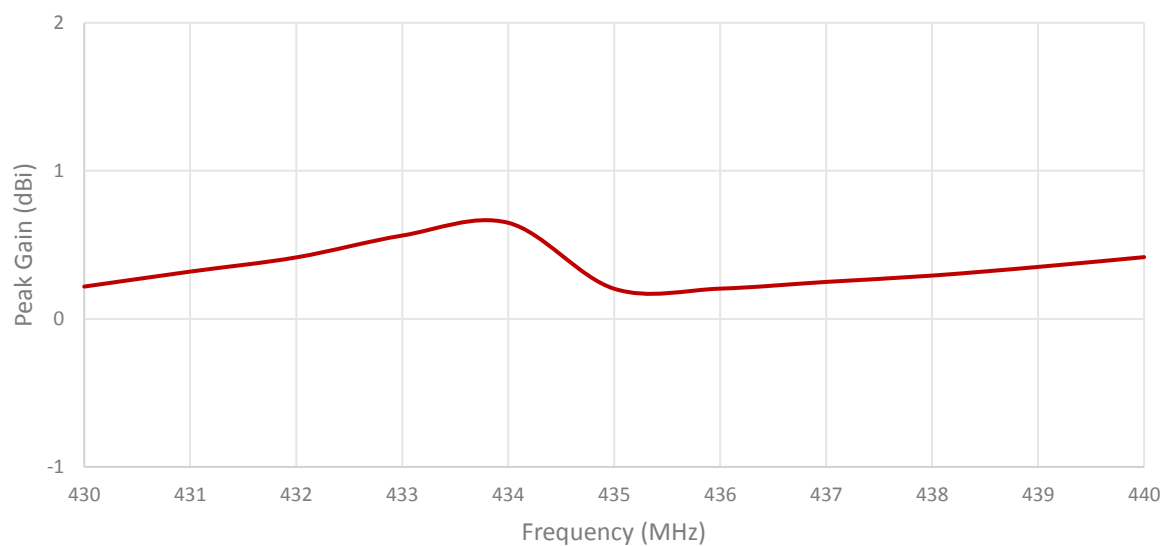
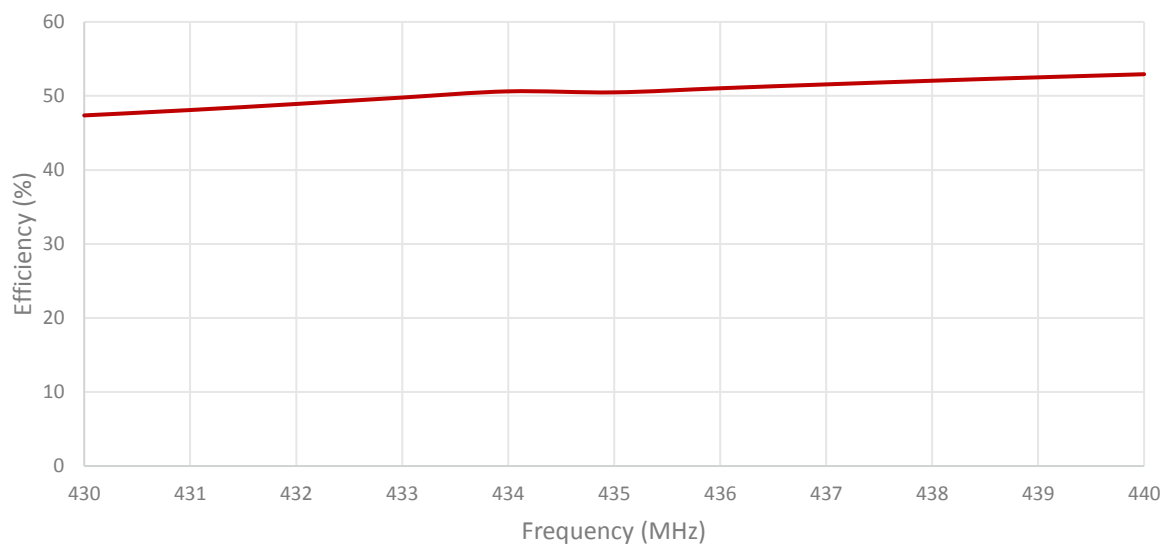
Measured in Certified CTIA 3D Anechoic Chamber

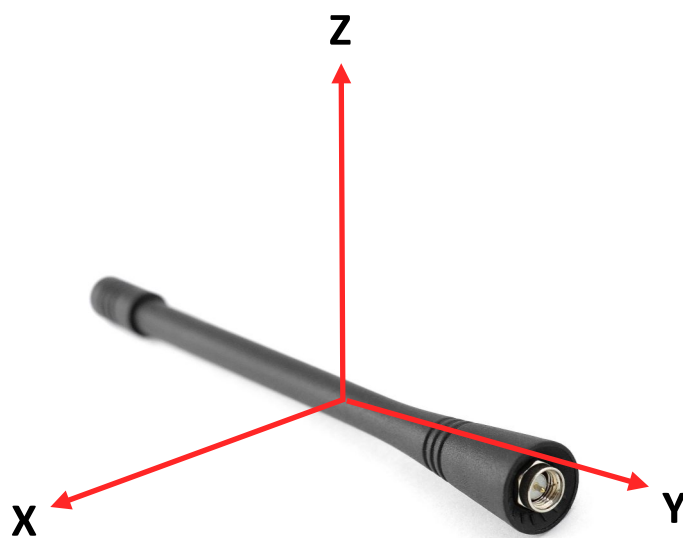
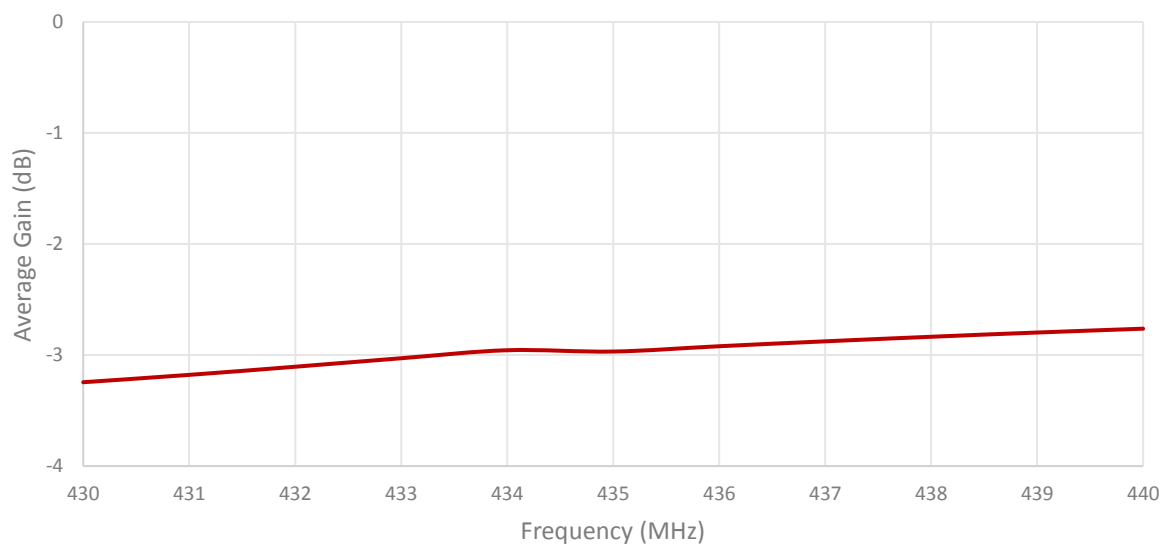
2. Mechanical and environmental specifications

Specifications	2JW0815-433-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

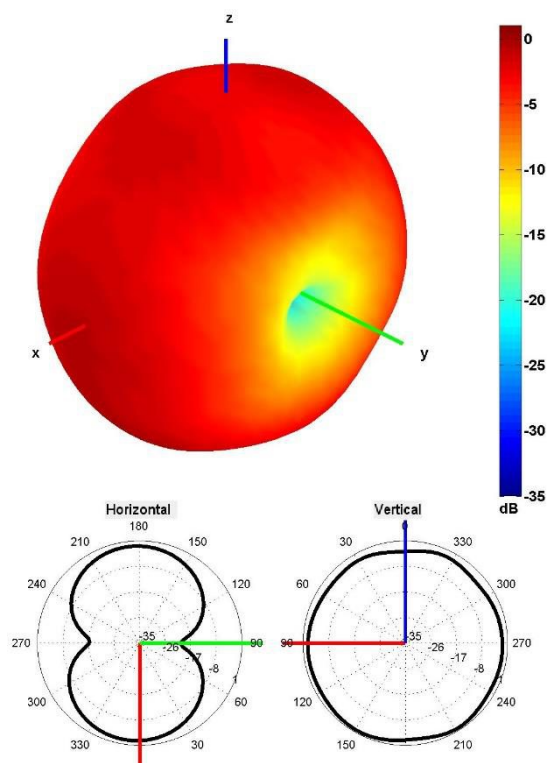
3. Antenna parameters





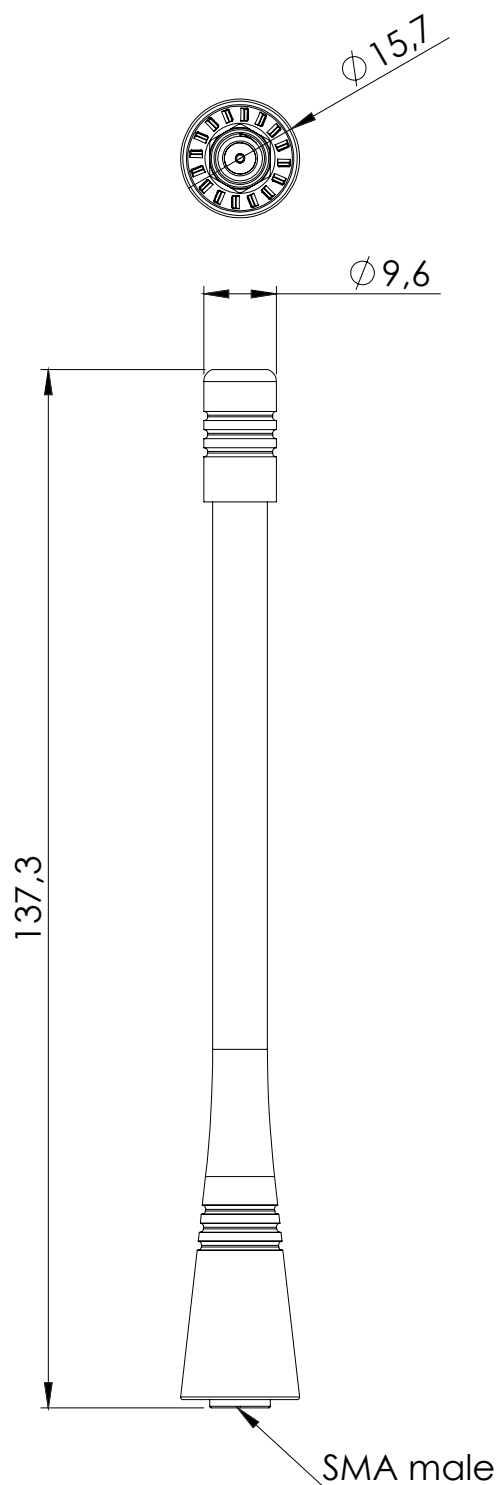


Radiation pattern reference



433 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

