

2J1015B-433

433 MHz ISM Screw Mount

Key Features

433 MHz ISM

- 433-435 MHz

Screw Mount

Ground Plane Dependent

Low Profile

Dimensions 50 × Ø16 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)	~-19.2
VSWR	~1.2:1
Efficiency (%)	~18.2
Peak Gain (dBi)	~-4.2
Average Gain (dB)	~-7.4
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	Most RF Connectors (SMA-Male Standard)
Cable Length	Any Cable Length (300cm Standard)
Cable Type	Other Cables Available (RG174 Standard)

Antenna Measurement Conditions:

Mounted on Ground Plane of 60 x60 cm

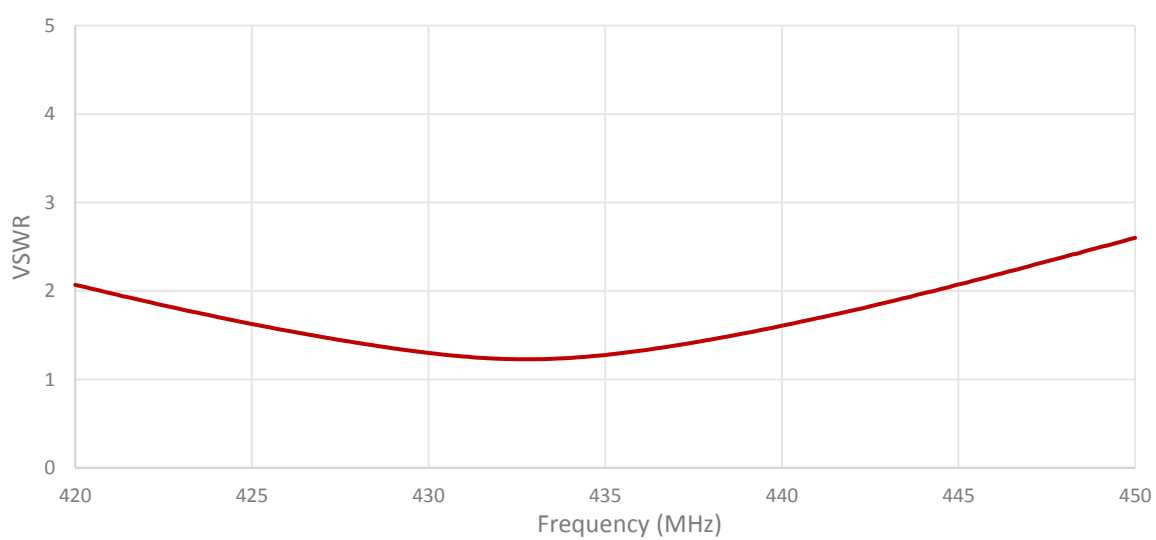
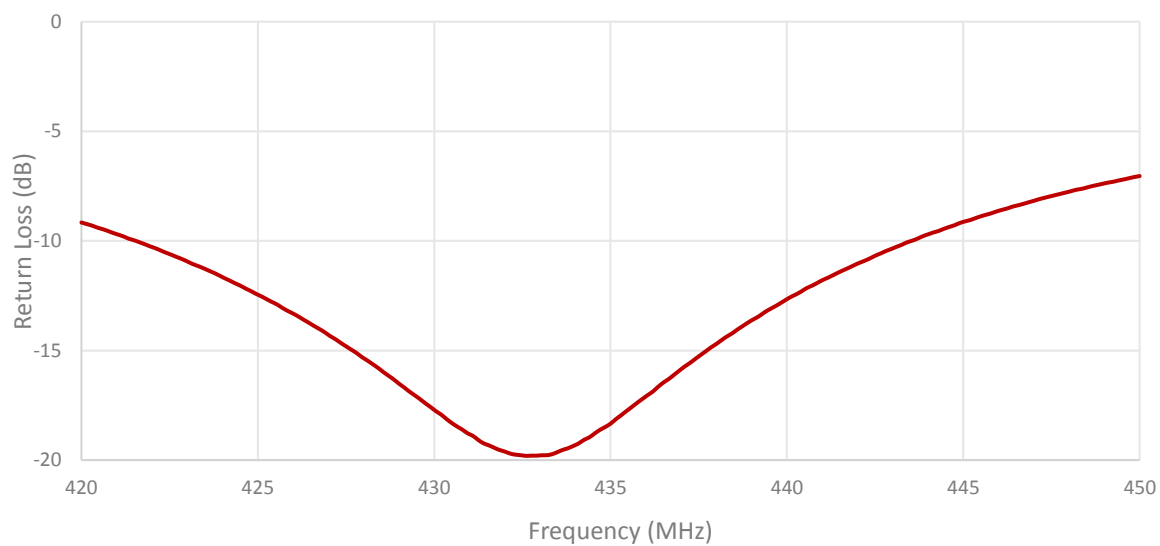
200cm of RG174 Cable

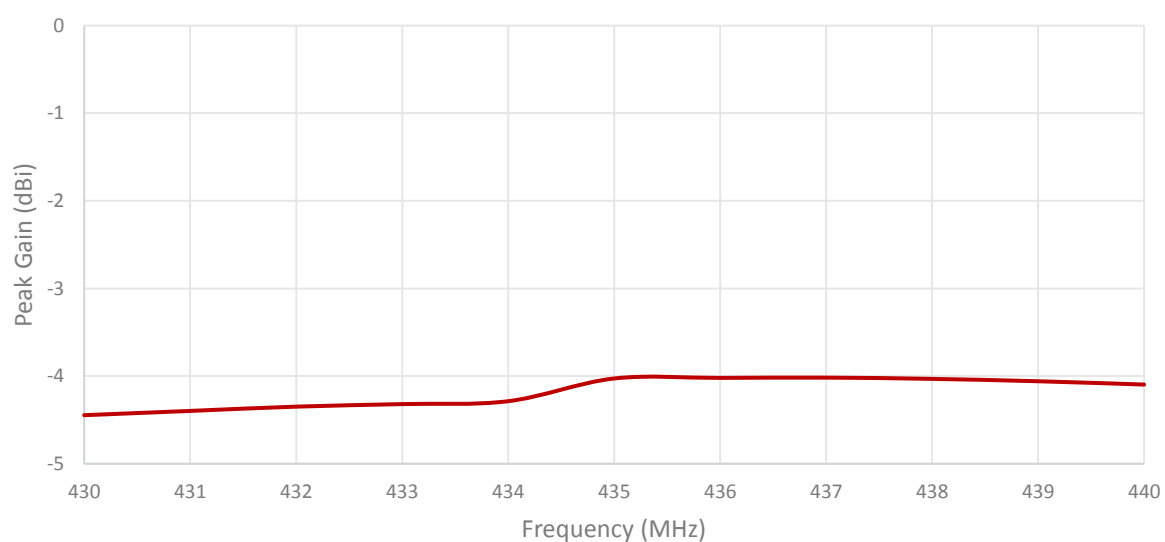
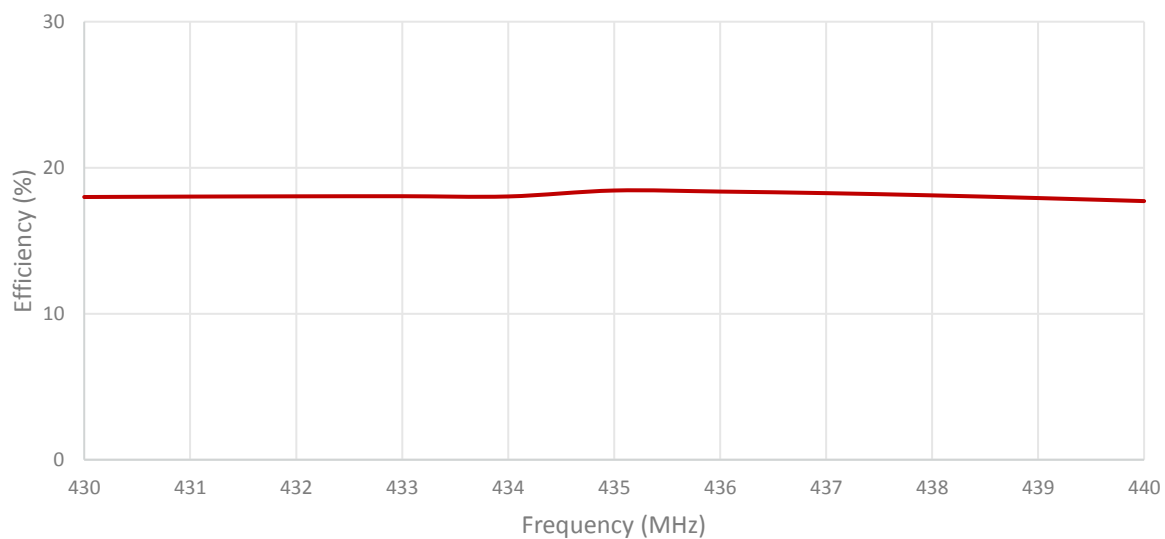
Measured in Certified CTIA 3D Anechoic Chamber

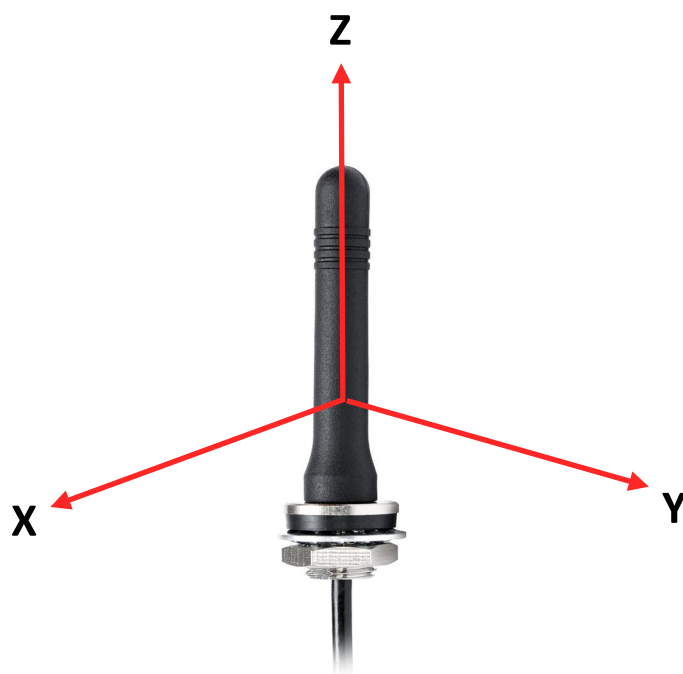
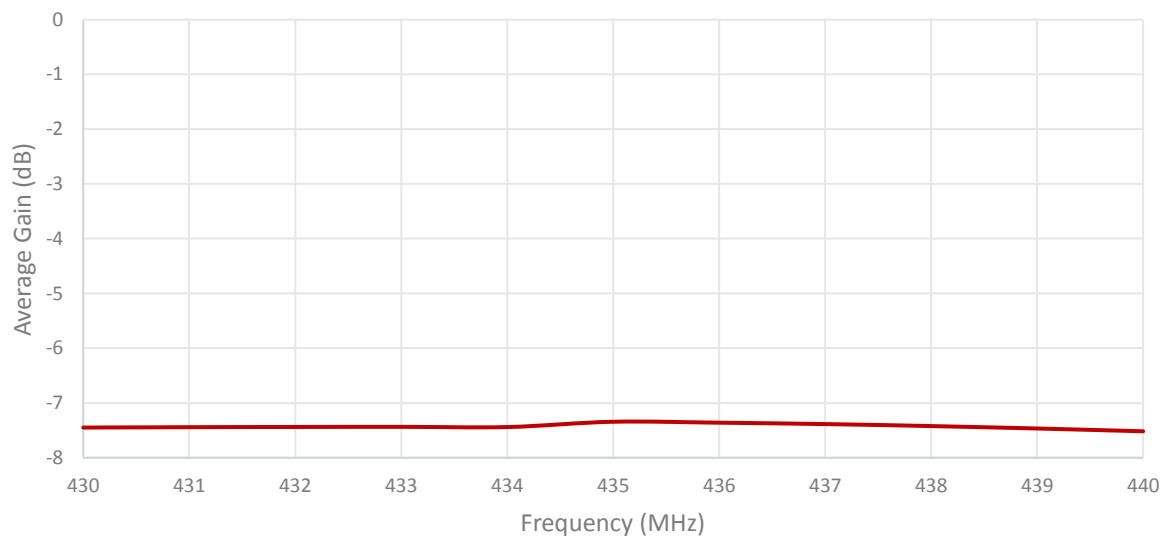
2. Mechanical and environmental specifications

Specifications	2J1015B-433
Mounting Type	Screw Mount
Dimensions (mm)	50 x Ø16
Max. Tighten Torque (Nm)	4 Nm
Radome	ABS UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

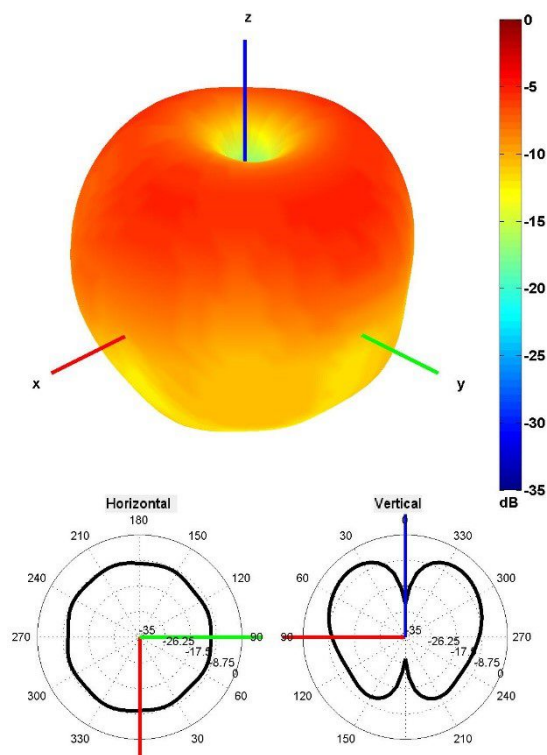
3. Antenna parameters





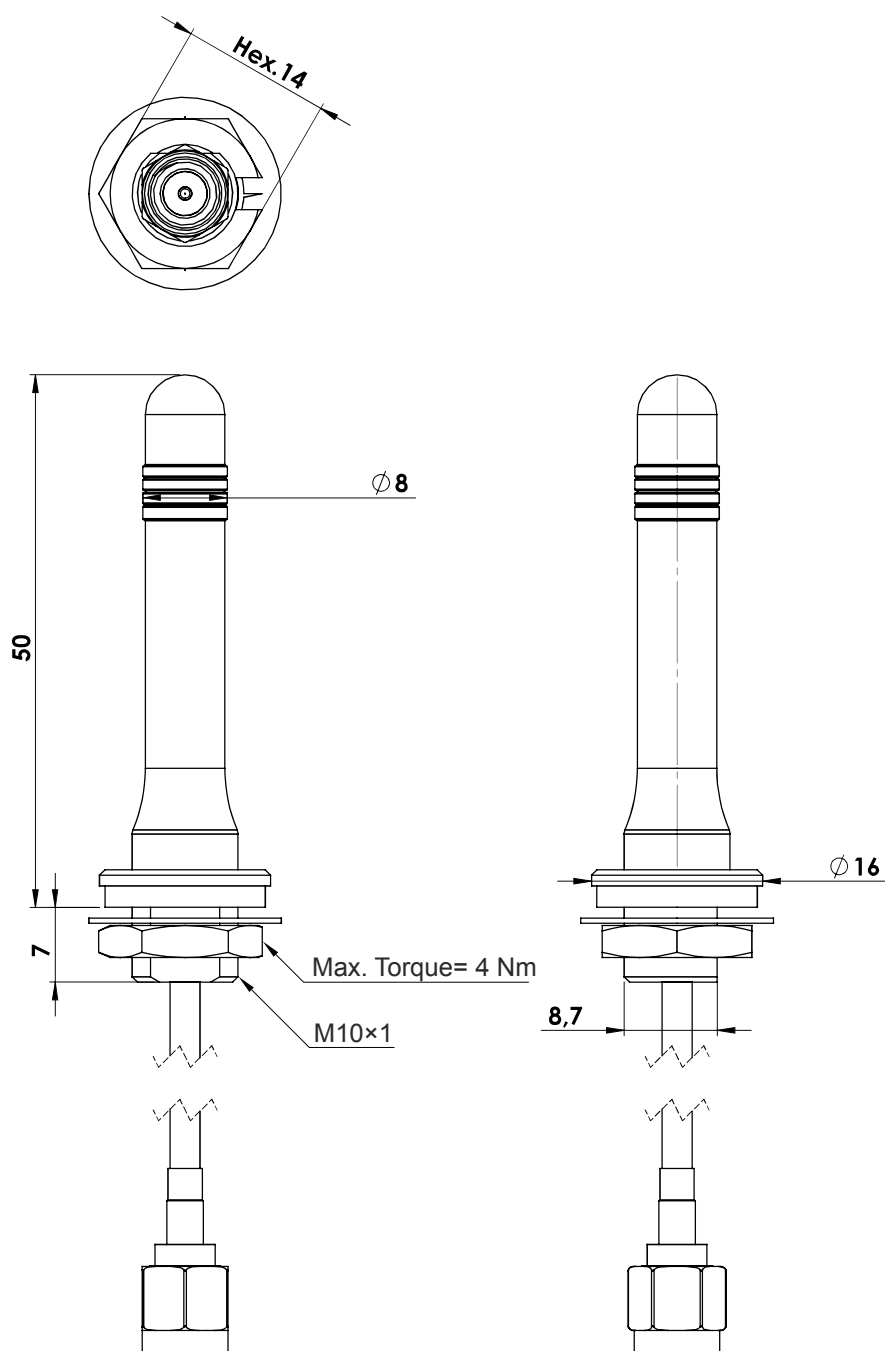


Radiation pattern reference



433 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

