

PL0B15-433-C884G

433 MHz ISM Connector Mount

Key Features

433 MHz ISM
- 433-435 MHz
Connector Mount
Low Profile
Ground Plane Dependent
Dimensions 44 x 19.1 x 9 mm



1. Antenna Description

PL0B15-433-C884G

Optimised specifically for the ISM frequency bands with the efficiency at the point of interest, the *PL0B15* series represent an elegant cable free solution for the IoT applications such as remote monitoring, smart metering, home automation, medical devices and the M2M automation in general.

Compatibility Standards

433 MHz / 868 MHz / 915 MHz ISM Cables

- Sigfox, LoRa, ZigBee, ISM

Typical applications

- IoT applications
- Remote Monitoring
- Smart Metering
- Home Automation
- Medical Devices
- M2M automation
- And others

Standout Features

- 12 variations with straight, right-angle and reversed polarity connectors
- Sustained High Efficiency and Performance
- High Gain
- ISM specifically optimised
- Compact and Elegant
- Ground Plane Dependent
- Easy Integration
- Different Colours available upon request

2. Antenna and electrical specifications

Parameters	433 MHz ISM Antenna
Standards	ISM, LoRa
Band (MHz)	433 MHz
Frequency (MHz)	433-435
Return Loss (dB)	~-15.4
VSWR	~1.4:1
Efficiency (%)	~41.7
Peak Gain (dBi)	~-1.2
Average Gain (dB)	~-3.8
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	SMA-Male-R/A Standard

Antenna Measurement Conditions:

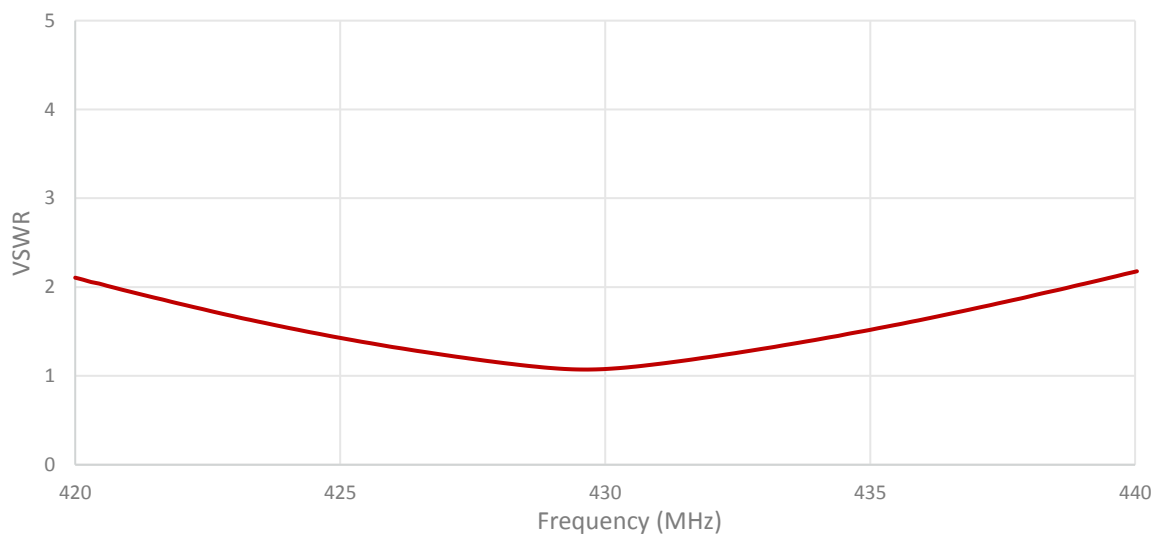
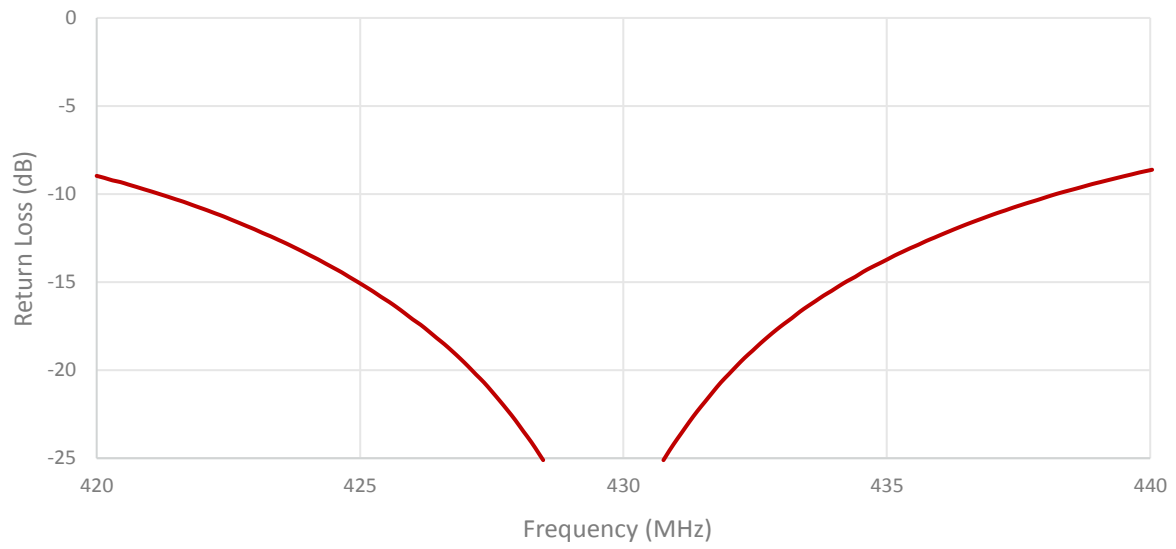
Mounted on Ground Plane of 150x50 mm

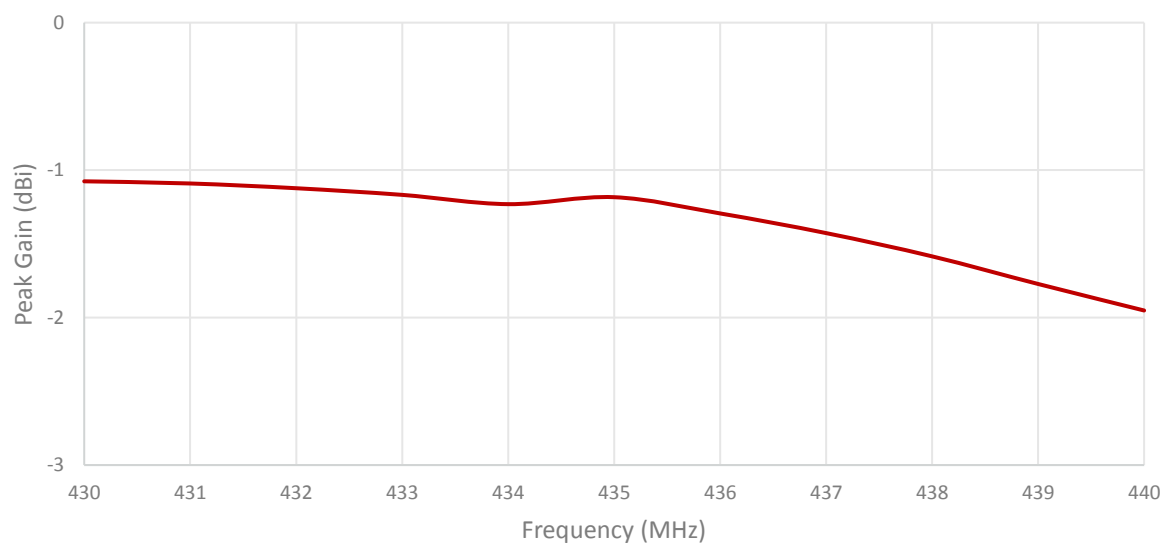
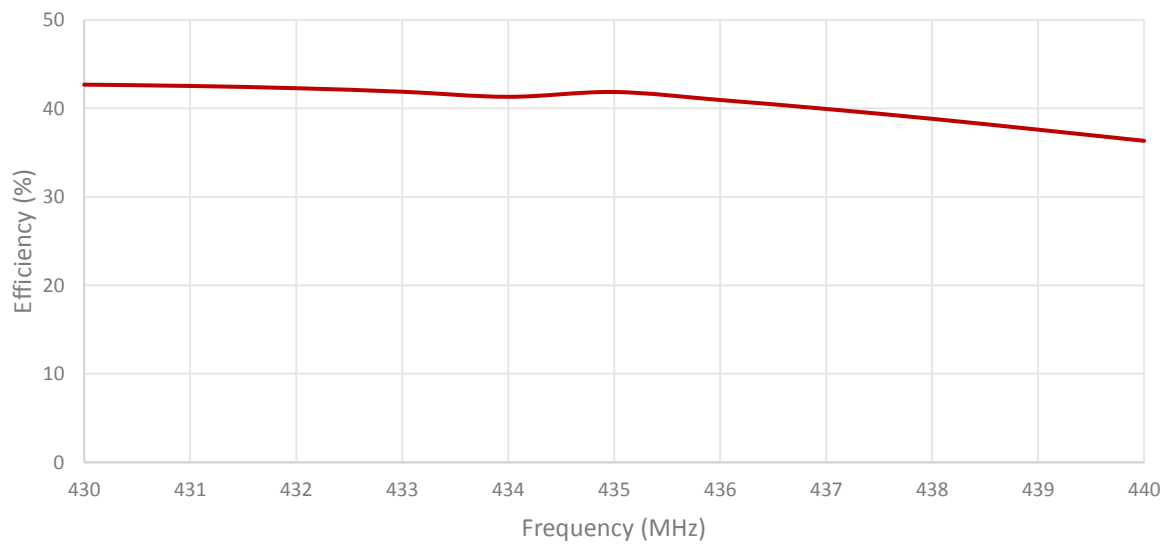
Measured in Certified CTIA 3D Anechoic Chamber

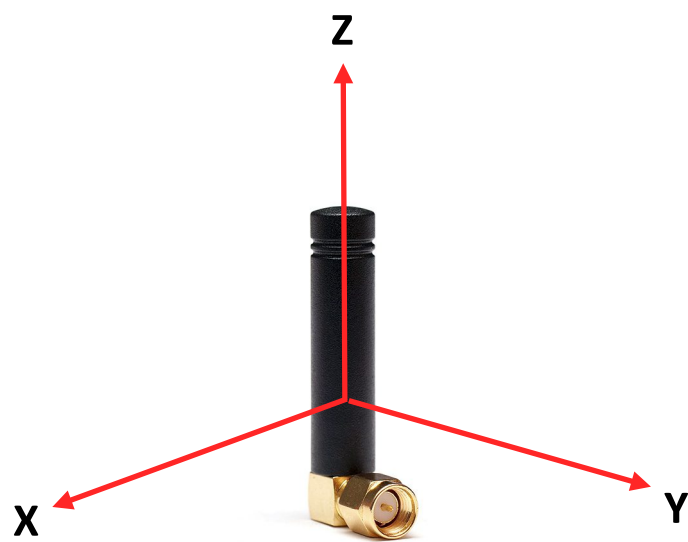
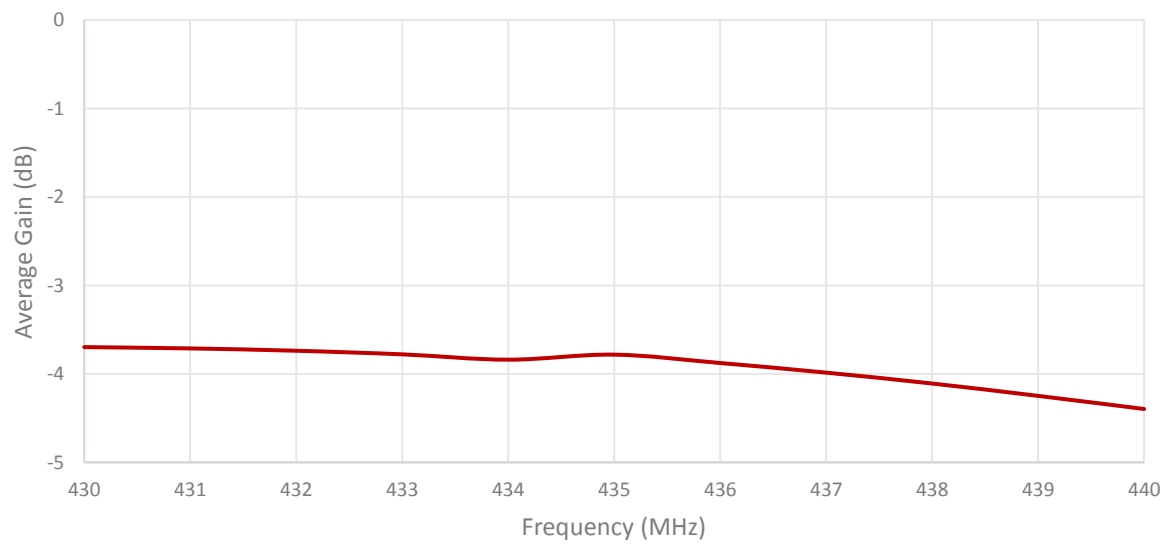
3. Mechanical and environmental specifications

Specifications	PL0B15-433-C884G
Mounting Type	Connector Mount
Dimensions (mm)	44 x 19.1 x 9
Radome	ABS UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

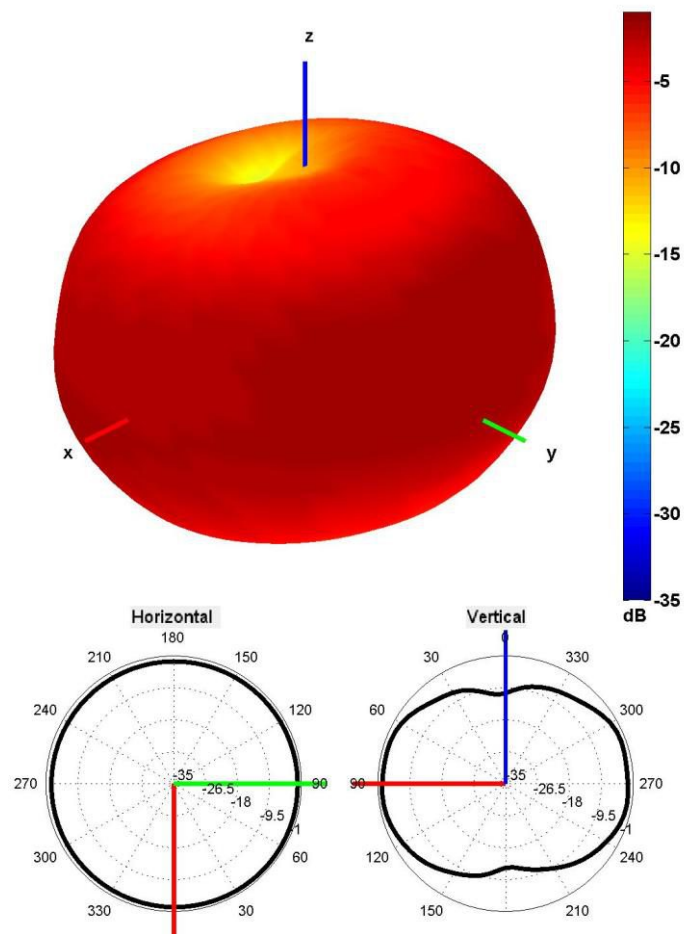
4. Antenna parameters





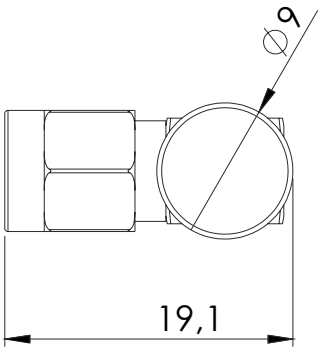
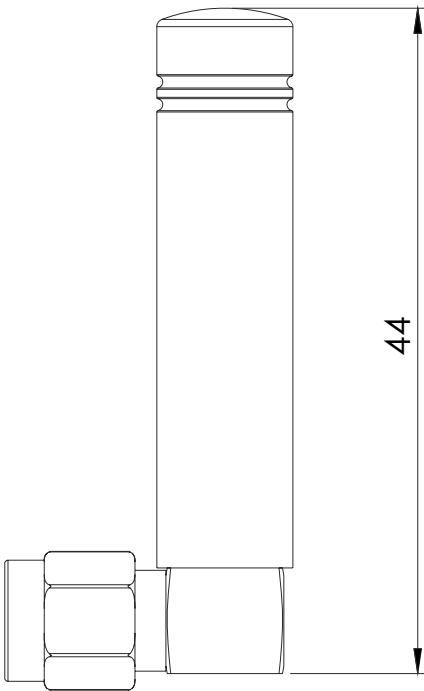


Radiation pattern reference



433 MHz Radiation pattern

5. Antenna drawings



6. Antenna Images

