

## 2J7810M

### 433 MHz ISM Magnetic Mount

#### Key Features

- 433 MHz ISM
- 433-435 MHz
- Magnetic Mount
- Ground Plane Dependent
- Customized Cable and Connector
- Dimensions 201.9 × 54 mm
- Certificates IP67, IP69K



## 1. Antenna and electrical specifications

Parameters	433 MHz ISM Antenna
<b>Standards</b>	ISM, LoRa
<b>Band (MHz)</b>	433 MHz
<b>Frequency (MHz)</b>	433-435
<b>Return Loss (dB)</b>	~-9.1
<b>VSWR</b>	~2.0:1
<b>Efficiency (%)</b>	~62
<b>Peak Gain (dBi)</b>	~0.1
<b>Average Gain (dB)</b>	~-2.1
<b>Impedance (Ohm)</b>	50
<b>Polarisation</b>	Linear
<b>Radiation Pattern</b>	Omni-Directional
<b>Max. Input Power (W)</b>	50
<b>Connector Type</b>	SMA-Male Standard (Other Connectors Available)
<b>Cable Length</b>	300 cm Standard (Any Cable Length Available)
<b>Cable Type</b>	RG174 Standard (Other Cables Available)

### Antenna Measurement Conditions:

Mounted on 30 x 30 cm Metal Plate

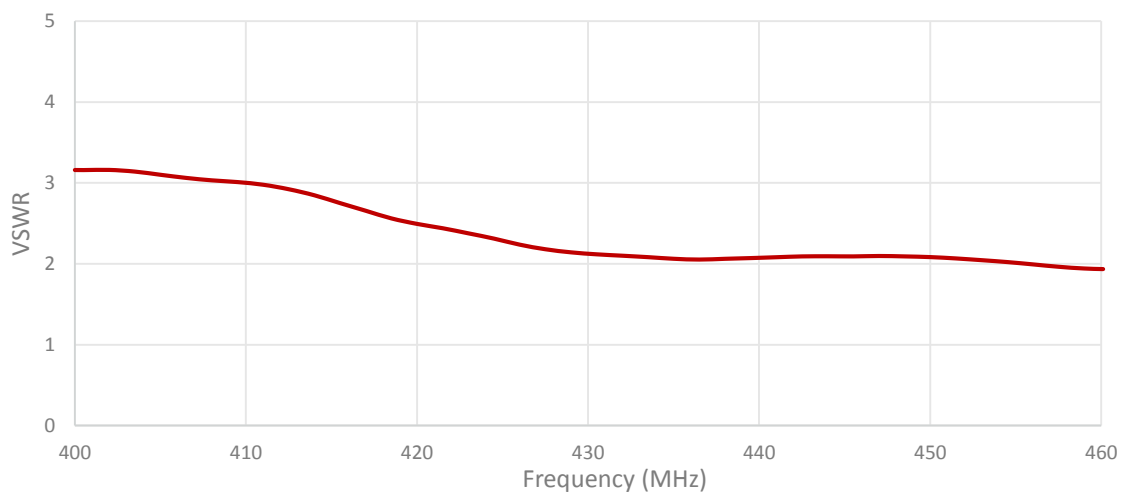
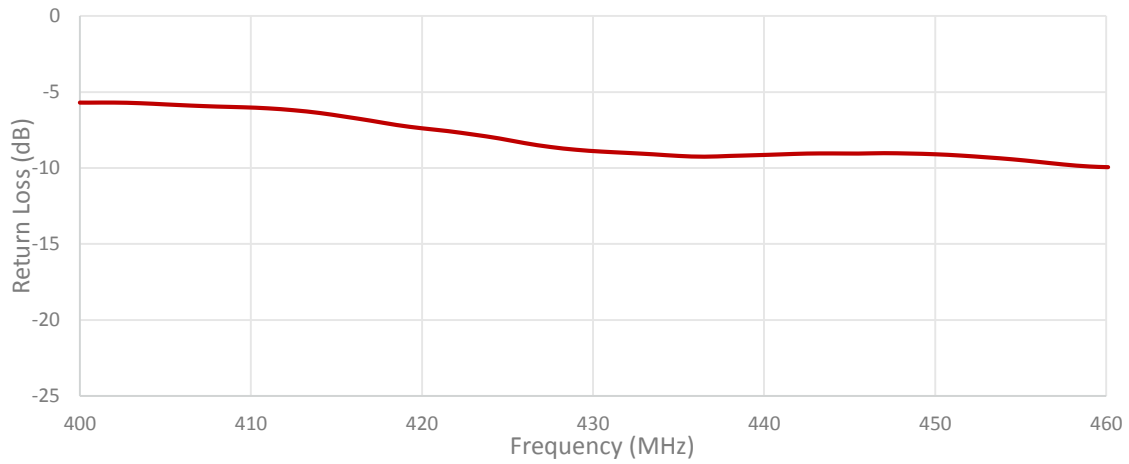
200cm of RG174 Cable

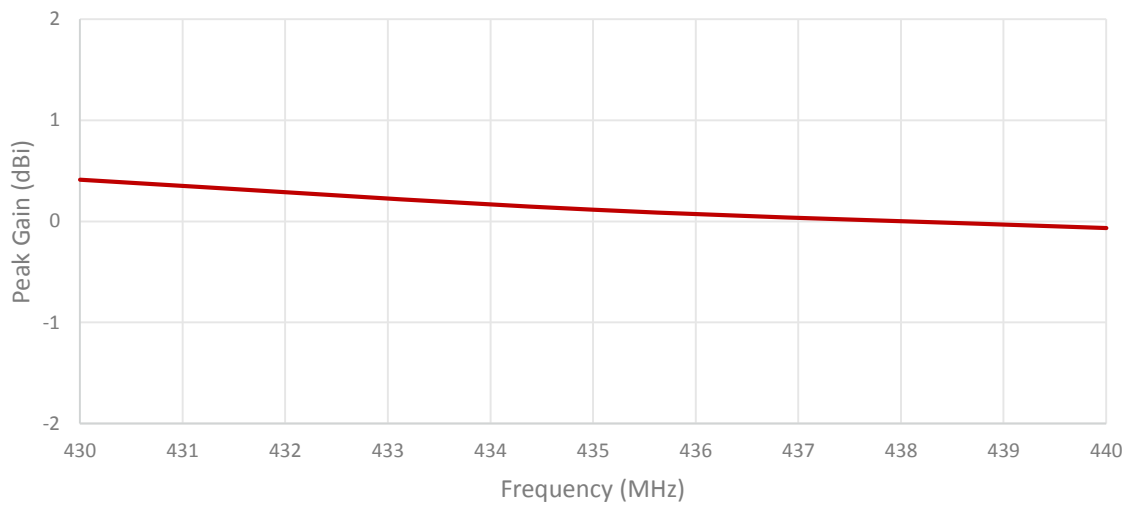
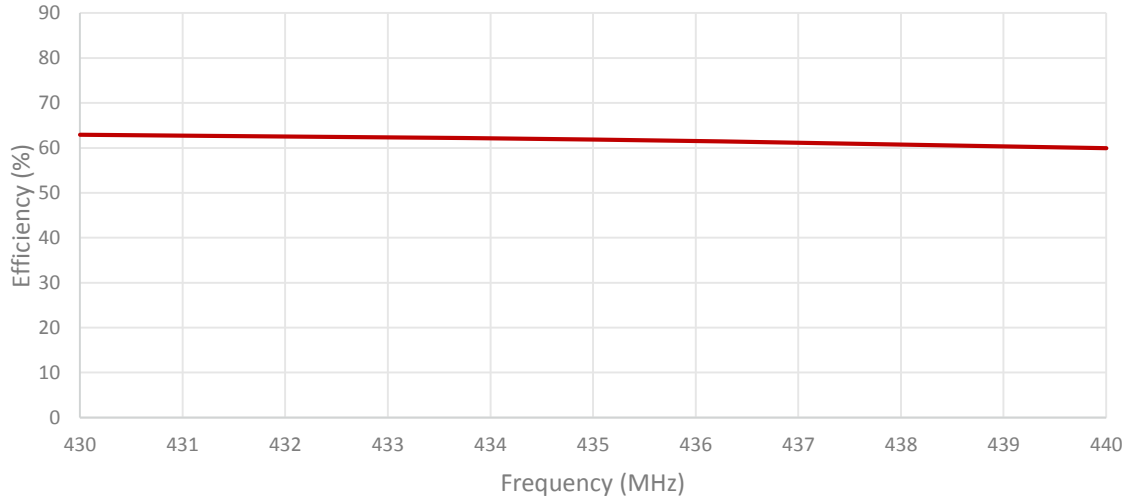
Measured in Certified CTIA 3D Anechoic Chamber

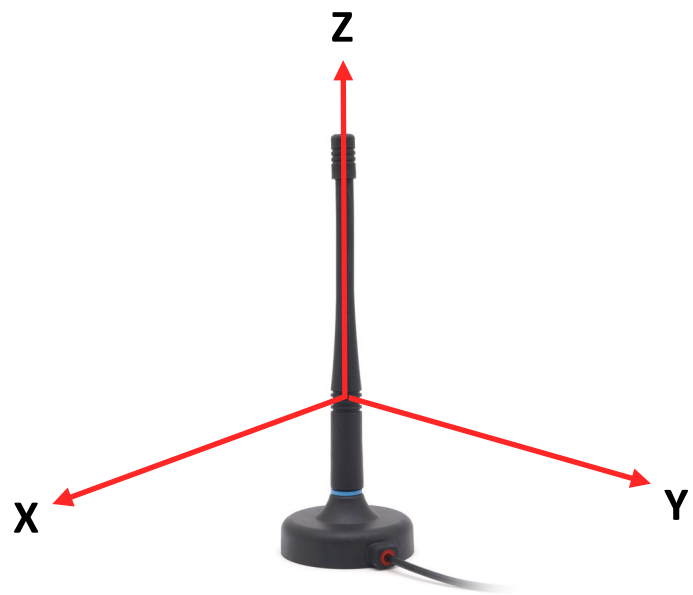
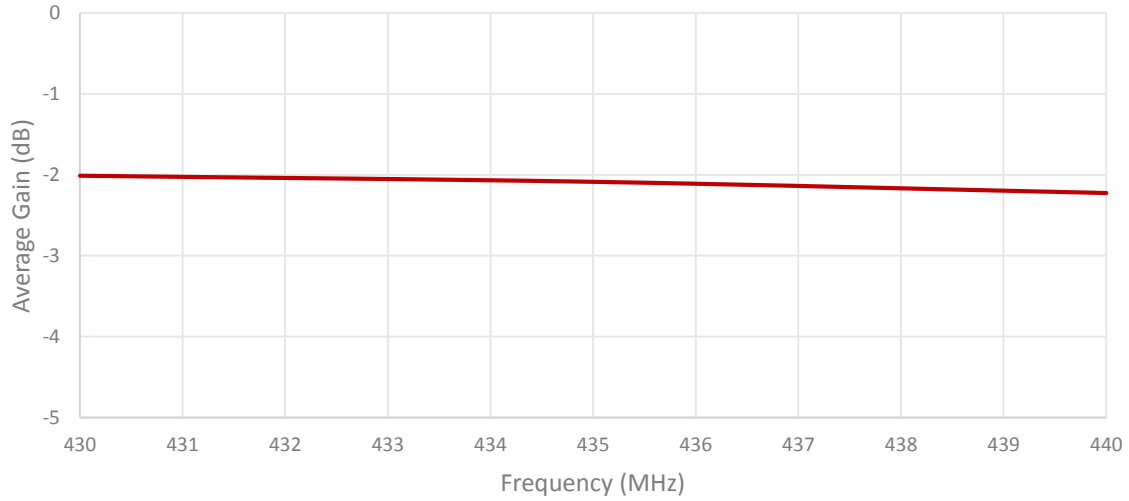
## 2. Mechanical and environmental specifications

Specifications	2J7810M
<b>Mounting Type</b>	Magnetic Mount
<b>Dimensions (mm)</b>	201.9 × 54
<b>Radome</b>	ABS/TPE
<b>Radome color</b>	Black
<b>Antenna Base</b>	Zamak
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS
<b>Certificates</b>	IP67, IP69K

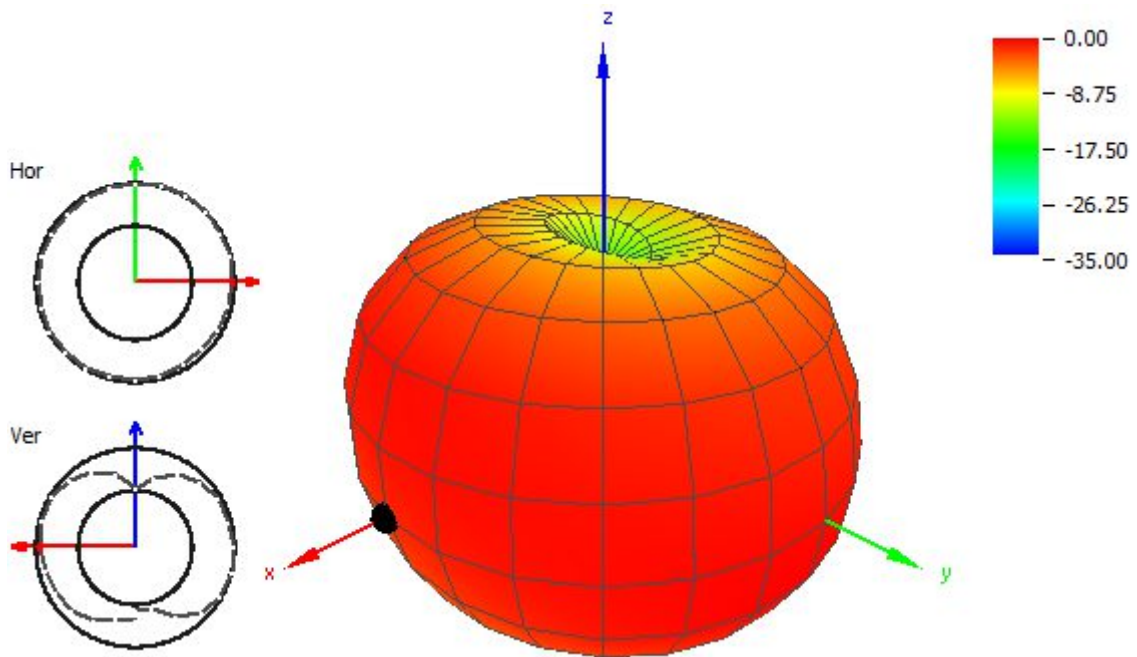
### 3. Antenna parameters





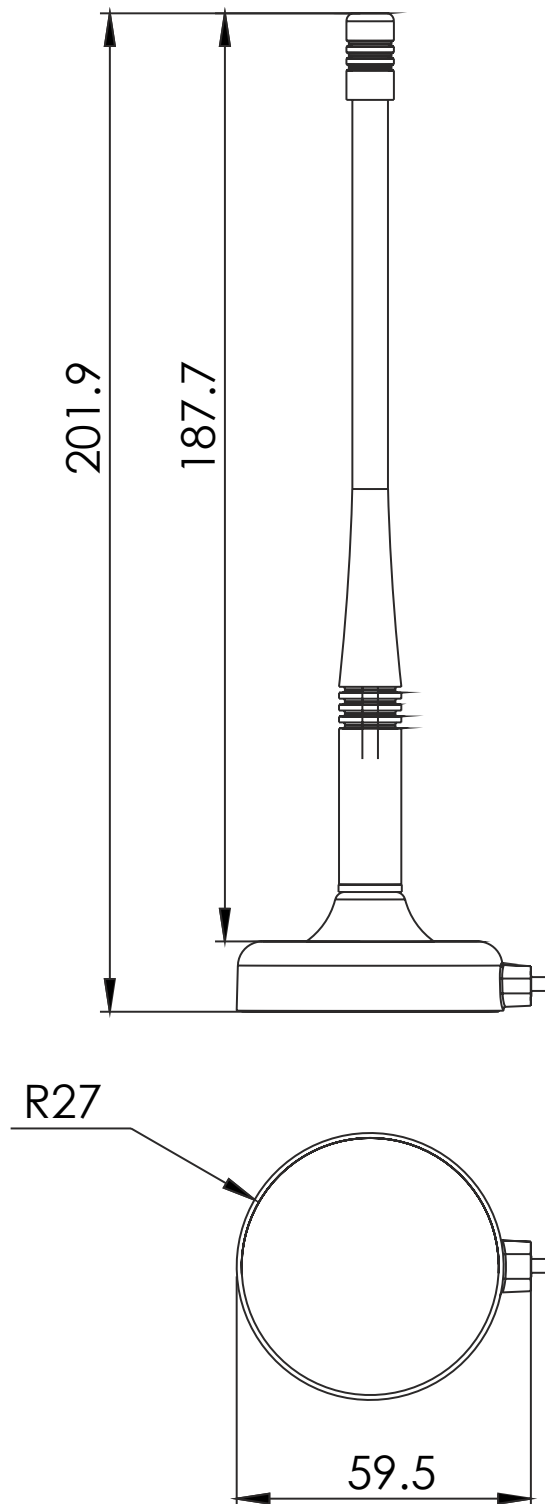


Radiation pattern reference



433 MHz Radiation pattern

#### 4. Antenna drawings



## 5. Antenna Images

