

2J6015B-868-2.4-TH19

868 MHz / 2.4GHz ISM Screw Mount

Key Features

868 MHz / 2.4GHz ISM

- 863-870 MHz

- 2410-2490 MHz

Screw Mount

Ground Plane Independent

High Performance

Low Profile

Customizable Cable and Connector

Dimensions 80 × 74 × 14.7 mm

Certificates: IP67



Note: 19mm Thread is Default Option. See Drawing for other Thread Options available.



1. Antenna and electrical specifications

Parameters	868MHz / 2.4 GHz ISM Antenna	
Standards	WiFi, BT, ZigBee, ISM, SigFox, LoRa	
Band (MHz)	868	2400
Frequency (MHz)	863-870	2410-2490
Return Loss (dB)	~-15.3	~-14.7
VSWR	~1.4:1	~1.5:1
Efficiency (%)	~50.5	~40.8
Peak Gain (dBi)	~2.2	~3.7
Average Gain (dB)	~-3.0	~-4.1
Impedance (Ohm)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Any Cable Length Available)	
Cable Type	LL100 Standard (Other Cables Available)	

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm Metal Plate

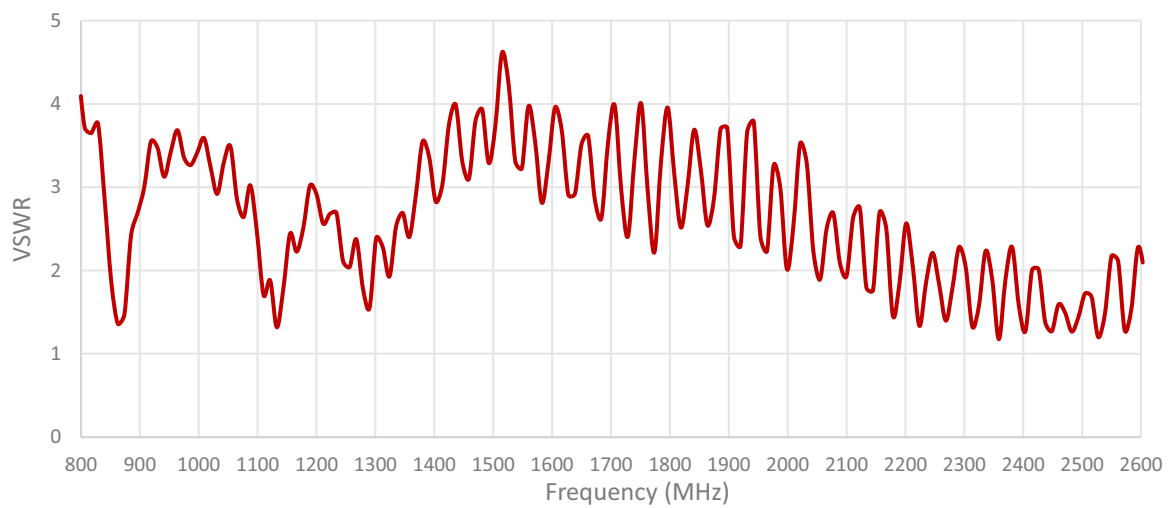
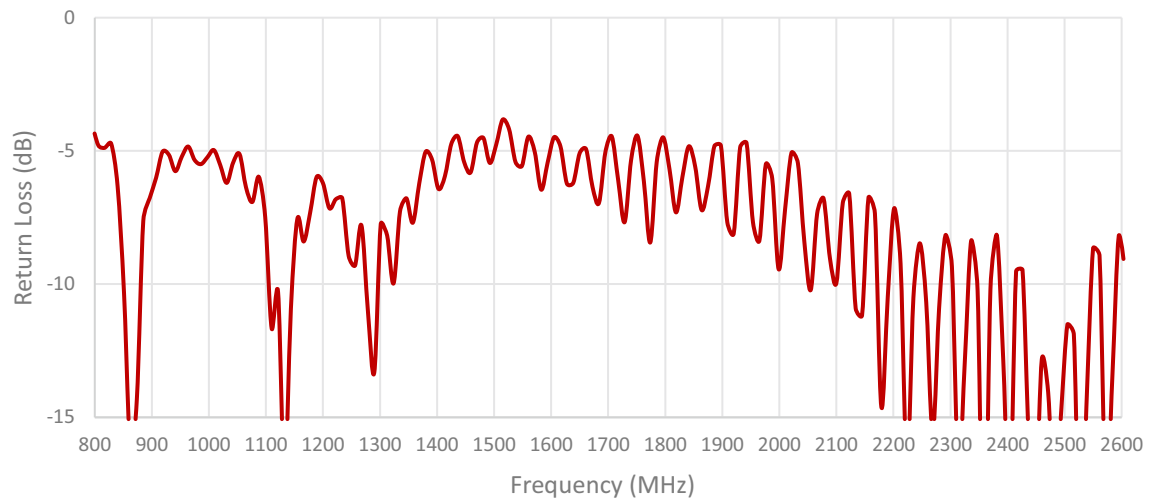
200 cm of Cable LL100

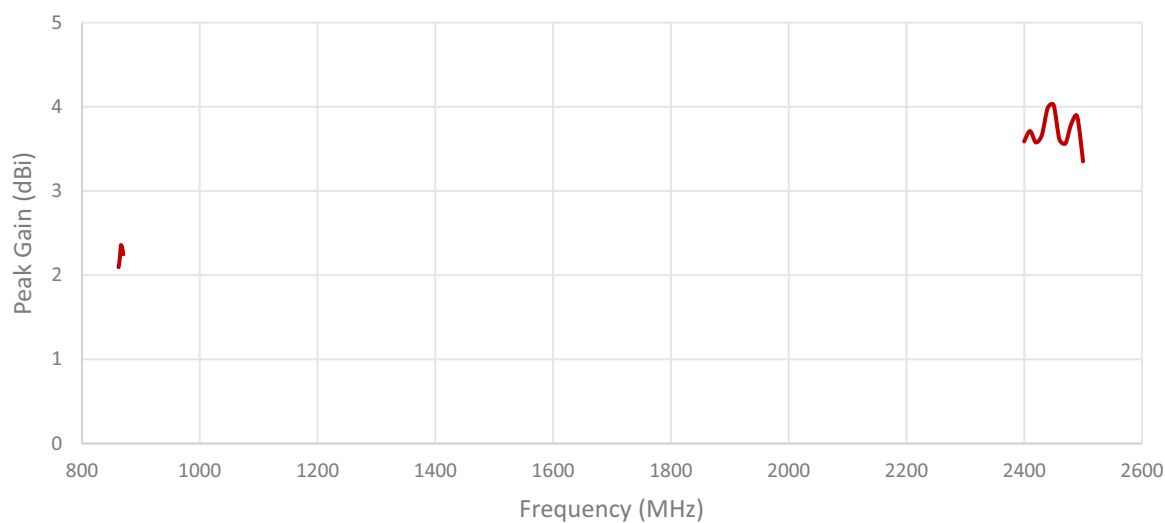
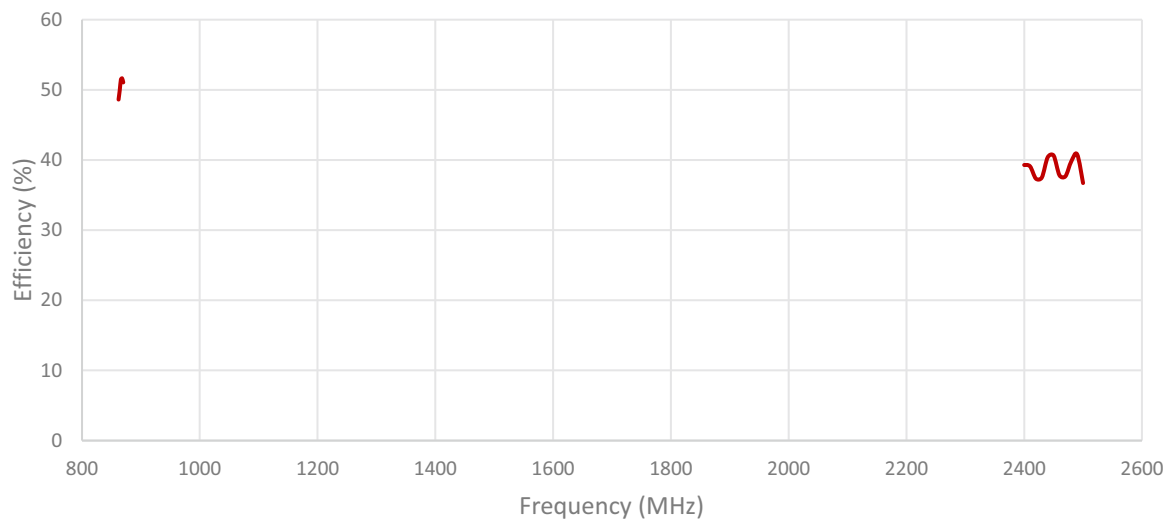
Measured in Certified CTIA 3D Anechoic Chamber

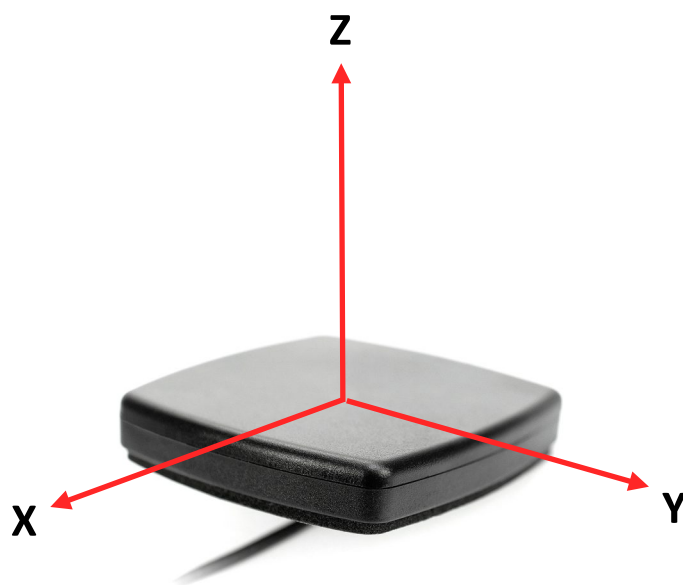
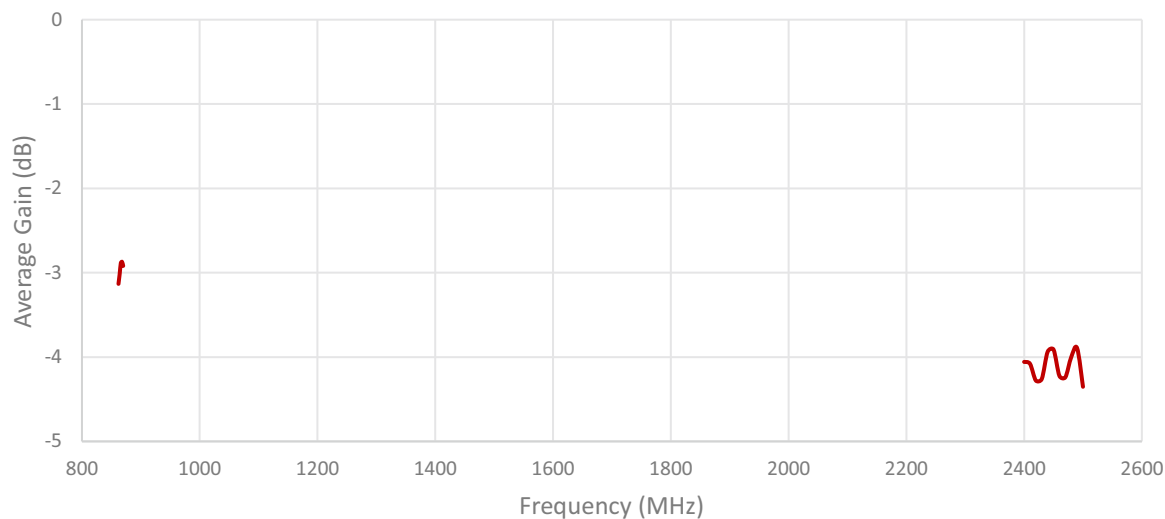
2. Mechanical and environmental specifications

Specifications	2J6015B-868-2.4-TH19
Mounting Type	Screw Mount
Dimensions (mm)	80 × 74 × 14.7
Rec. Tighten Torque (Nm)	5 Nm
Radome	ASA
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67

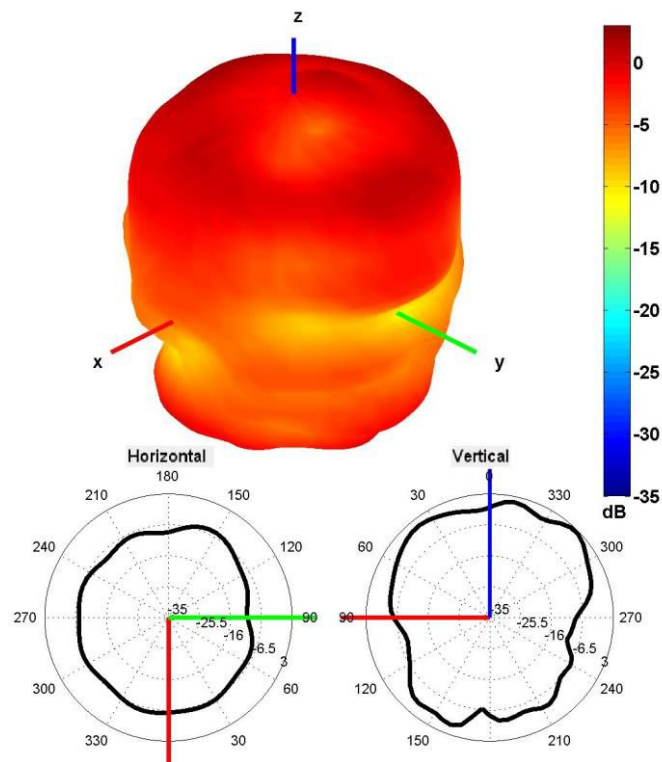
3. Antenna parameters



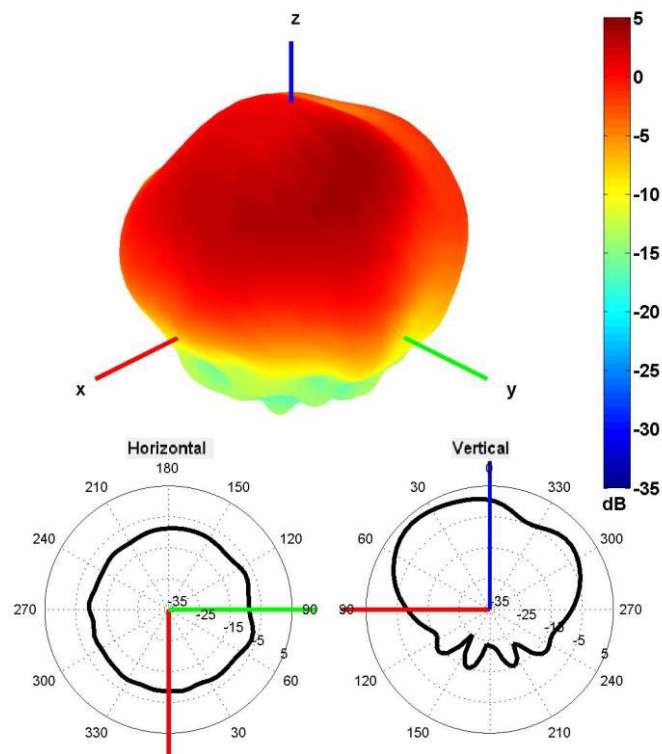




Radiation pattern reference



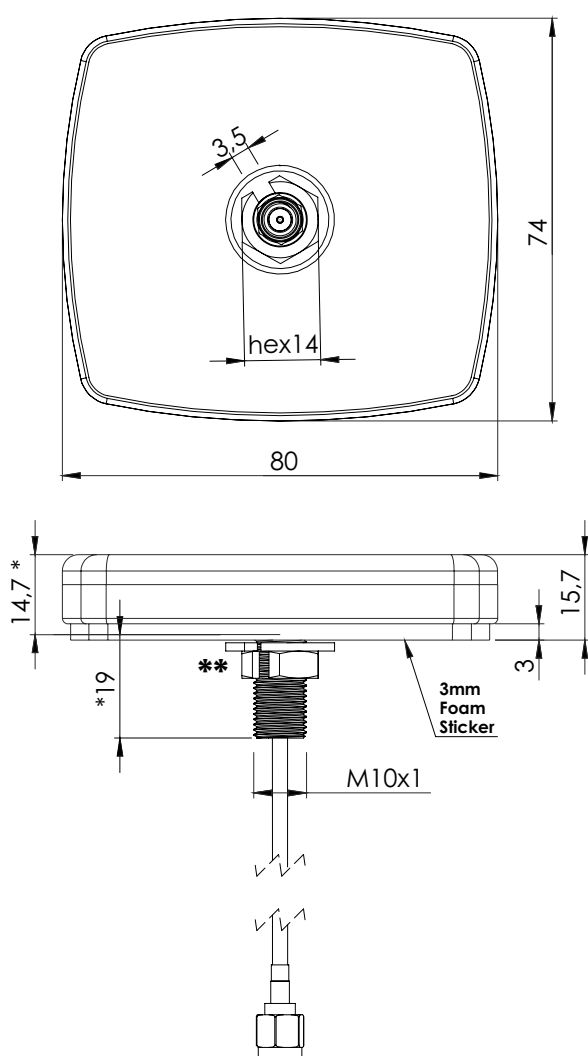
868 MHz Radiation pattern



2400 MHz Radiation pattern

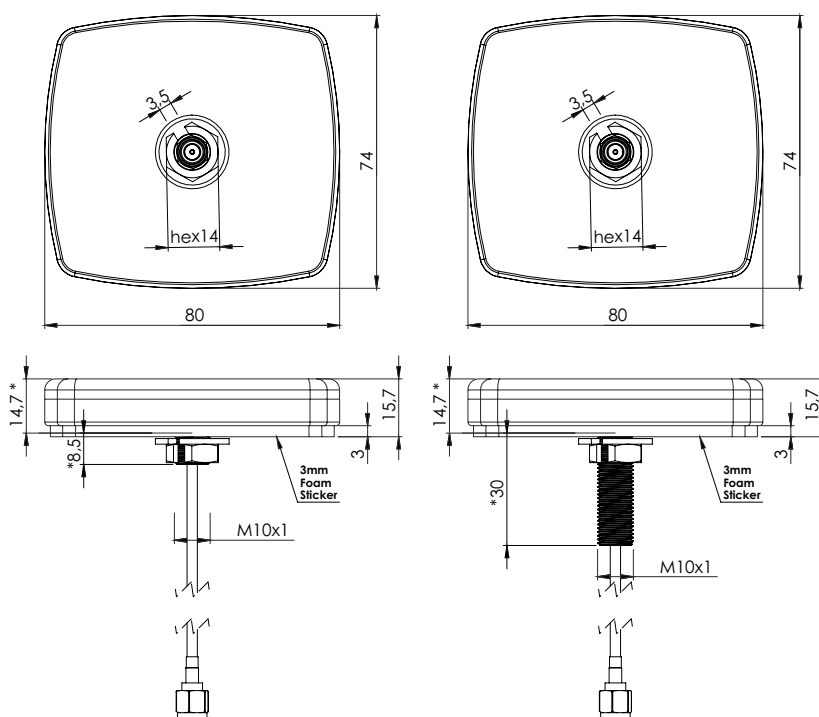
4. Antenna drawings

Default Thread Option



2J6015B-868-2.4-TH19
19 mm Thread
Default Option

Other Thread Options available



2J6015B-868-2.4-TH8,5
8,5 mm Thread

2J6015B-868-2.4-TH30
30 mm Thread

***Dimensions after mounting**
****Rec. Torque= 5 Nm**

5. Antenna Images

