antenna conceptor

Product Datasheet

2J0A02-2.4-C151G

2.4 GHz ISM Connector Mount

Key Features

2.4 GHz ISM
- 2410-2490 MHz
Connector Mount
High Efficiency
Ground Plane Dependent
Dimensions 44 × 9.6 mm



1. Antenna and electrical specifications

Parameters	2.4 GHz ISM Antenna
Standards	WiFi, BT, ZigBee, ISM
Band (MHz)	2.4 Ghz
Frequency (MHz)	2410-2490
Return Loss (dB)	~-4.2
VSWR	~4.1:1
Efficiency (%)	~61
Peak Gain (dBi)	~3.5
Average Gain (dB)	~-2.1
Impendance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	RP-SMA-Male Standard

Antenna Measurement Conditions:

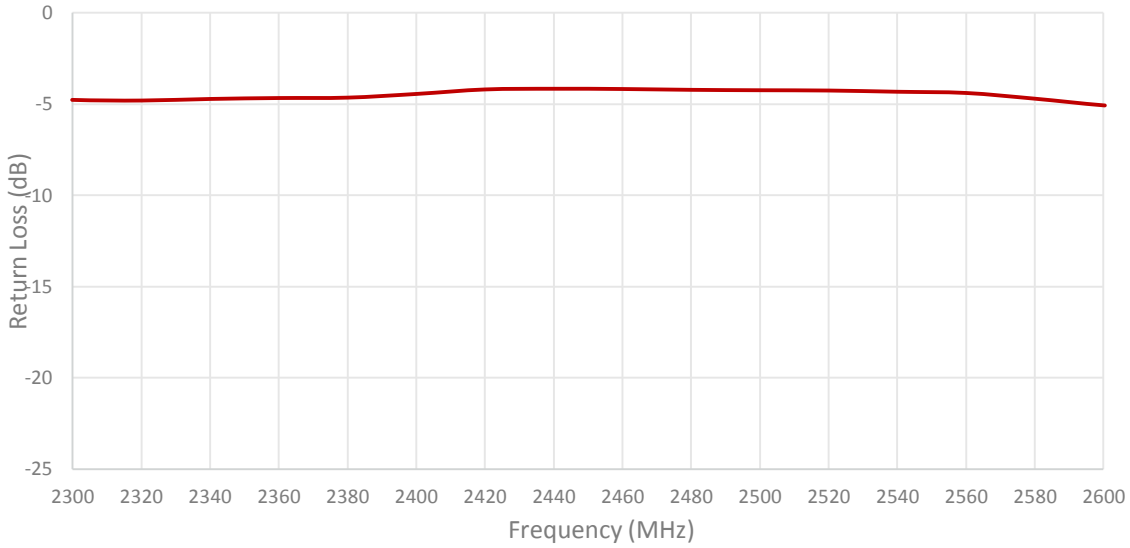
Mounted on 70x35 mm Ground Plane

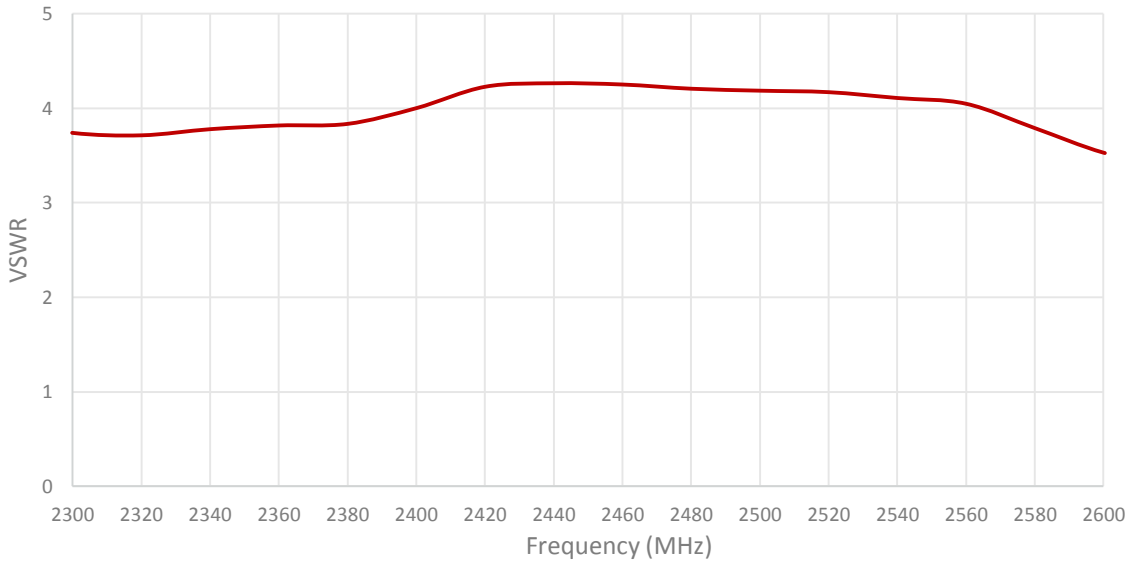
Measured in Certified CTIA 3D Anechoic Chamber

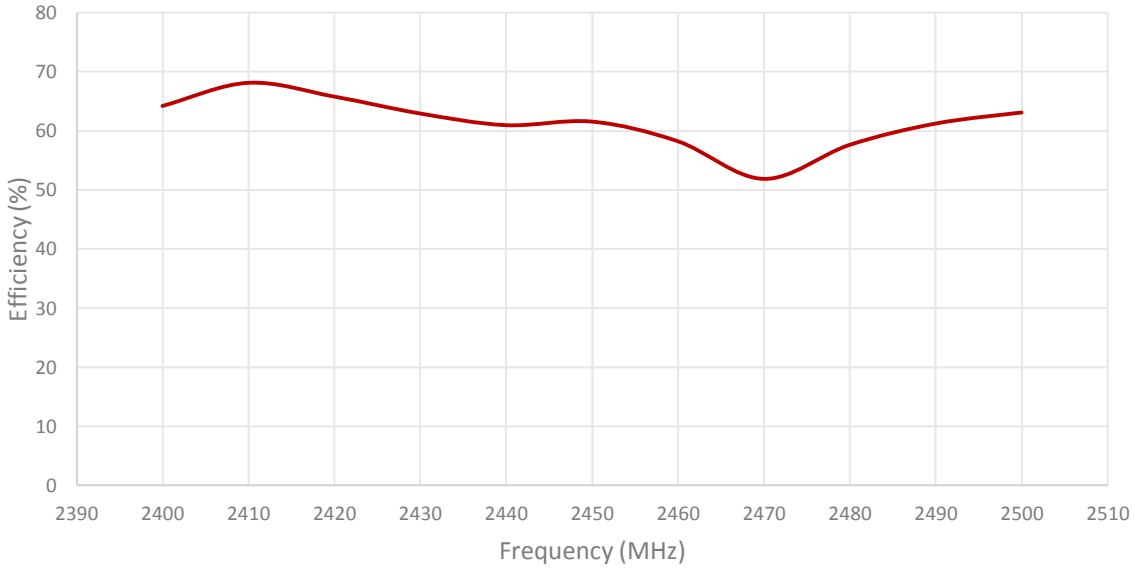
2. Mechanical and environmental specifications

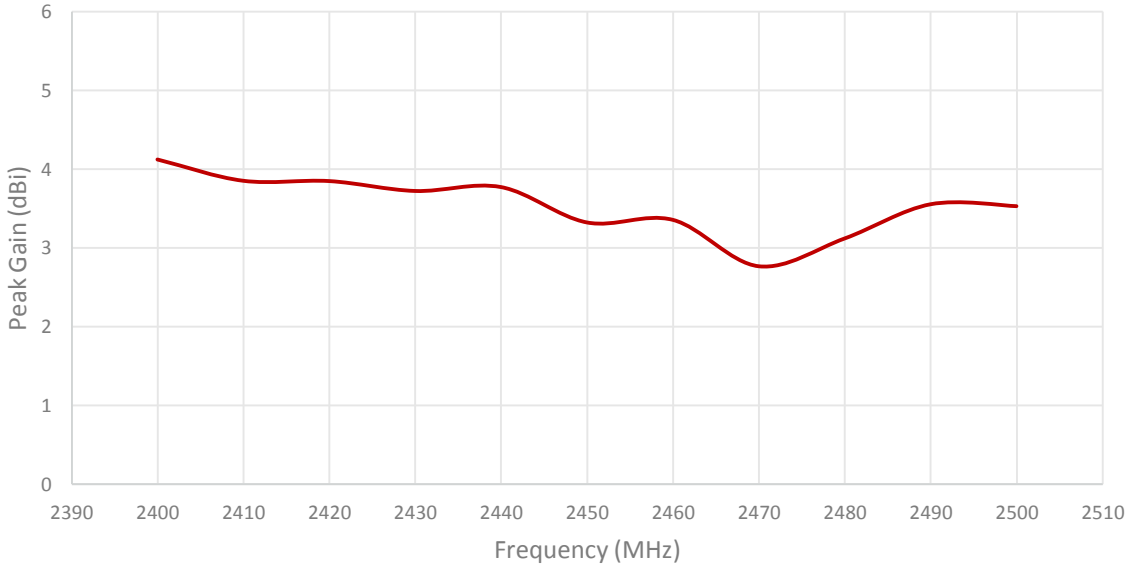
Specifications	2J0A02-2.4-C151G
Mounting Type	Connector Mount
Dimensions (mm)	44 x 9.6
Radome	ASA UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

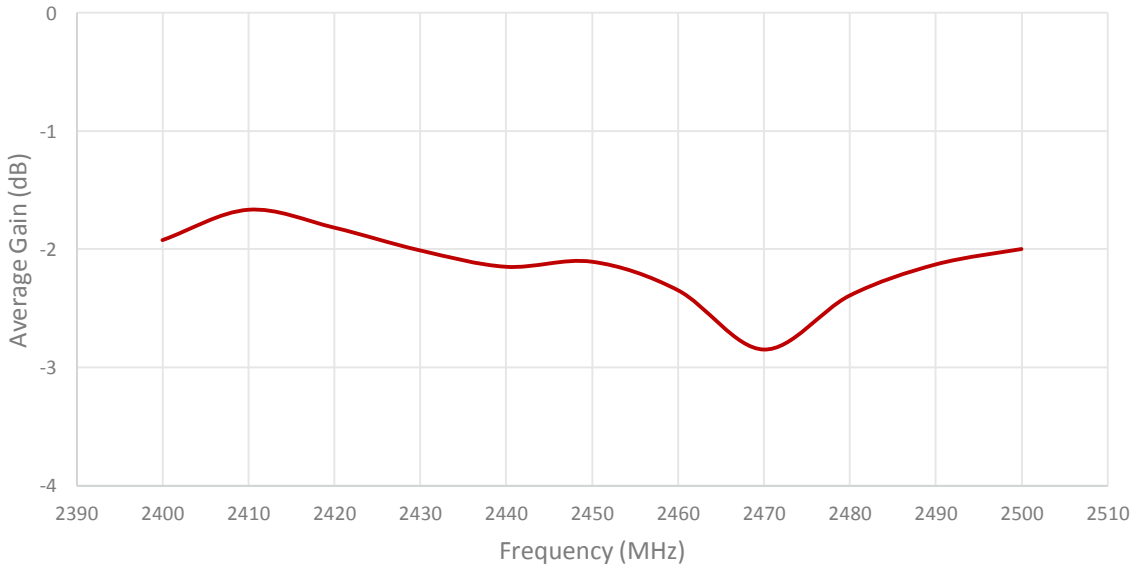
3. Antenna parameters

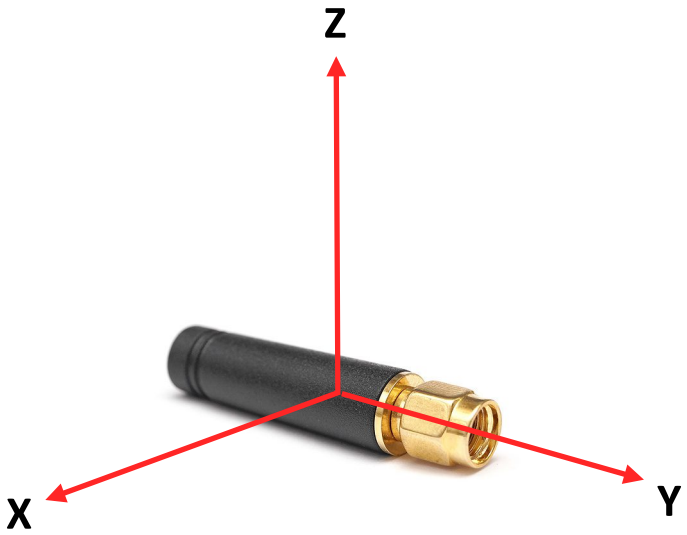




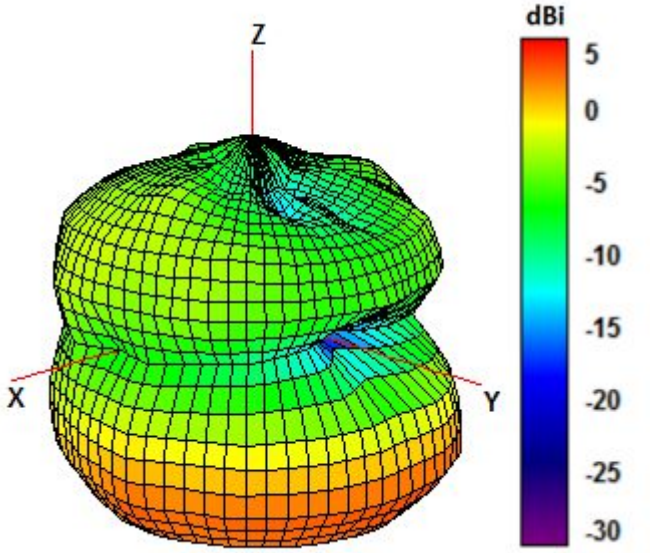

80
70
60
50
40
30
20
10
0
Efficiency (%)
2390
2400
2410
2420
2430
2440
2450
2460
2470
2480
2490
2500
2510
Frequency (MHz)


6
5
4
3
2
1
0
Peak Gain (dBi)
2390
2400
2410
2420
2430
2440
2450
2460
2470
2480
2490
2500
2510
Frequency (MHz)



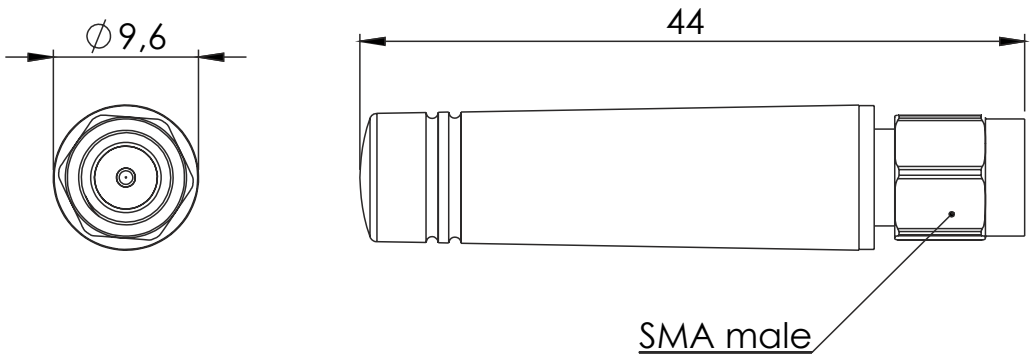


Radiation pattern reference



2450 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images







