antenna conceptor

Product Datasheet

2J0A02-5.0-C151G

5.0 GHz ISM Connector Mount

Key Features

5.0 GHz ISM
- 4920-5925 MHz
Connector Mount
High Gain
High Efficiency
Ground Plane Dependent
Dimensions 44 × 9.6 mm



1. Antenna and electrical specifications

Parameters	5.0 GHz ISM Antenna
Standards	WiFi, ISM
Band (MHz)	5.0 GHz
Frequency (MHz)	4920-5925
Return Loss (dB)	~-12.7
VSWR	~1.6:1
Efficiency (%)	~88
Peak Gain (dBi)	~5.3
Average Gain (dB)	~-0.5
Impendance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	RP-SMA-Male Standard

Antenna Measurement Conditions:

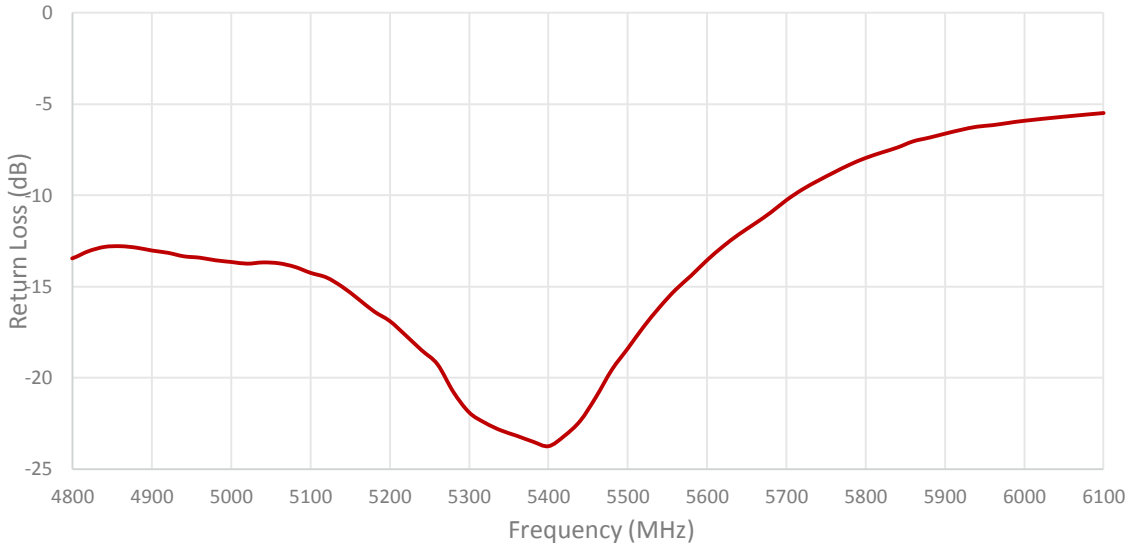
Mounted on Ground Plane of 70x35 mm.

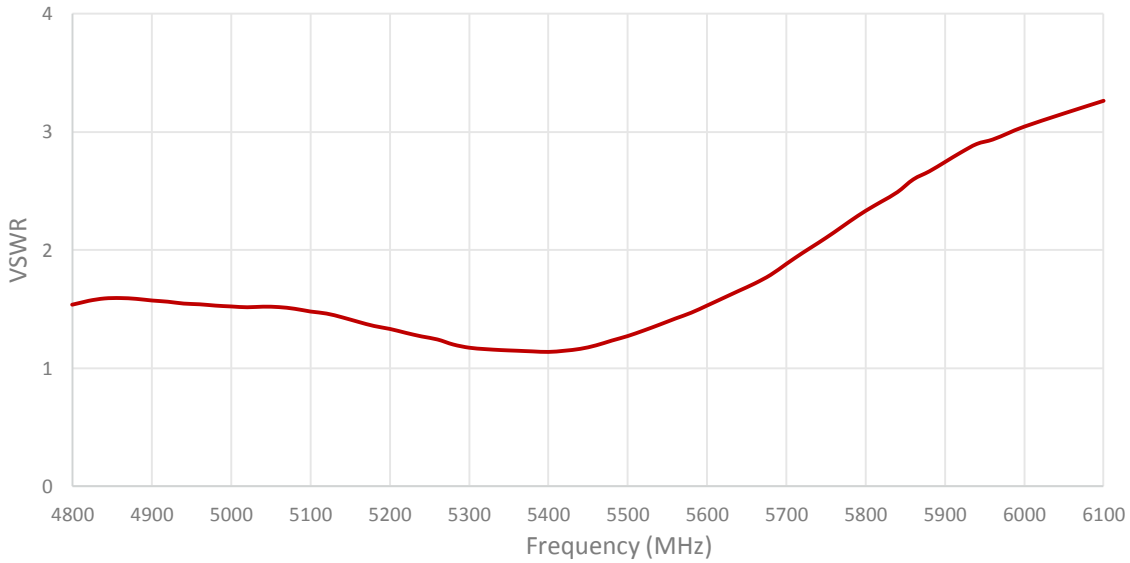
Measured in Certified CTIA 3D Anechoic Chamber

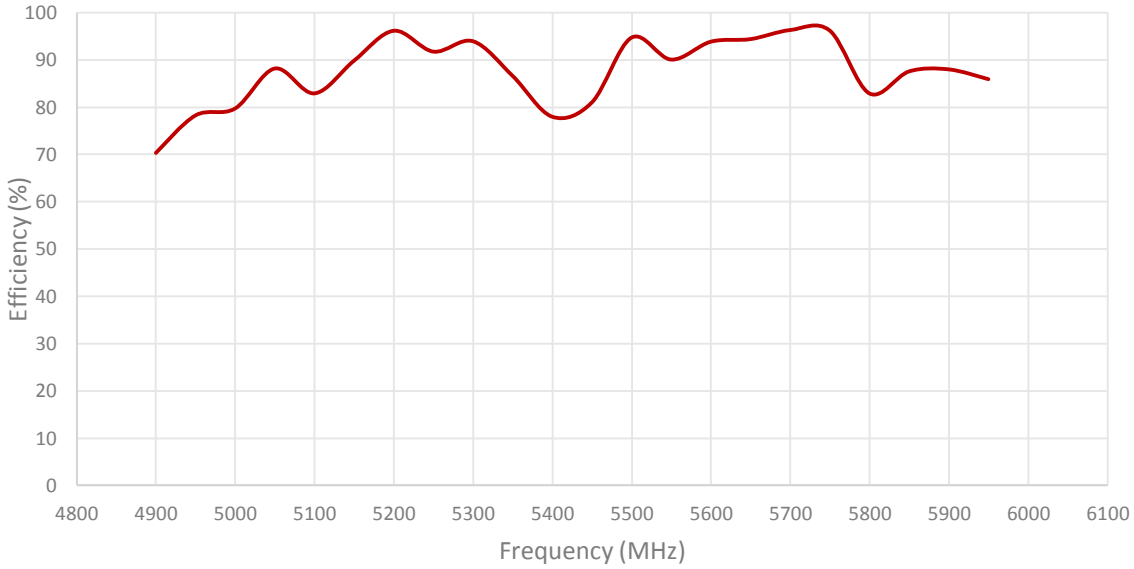
2. Mechanical and environmental specifications

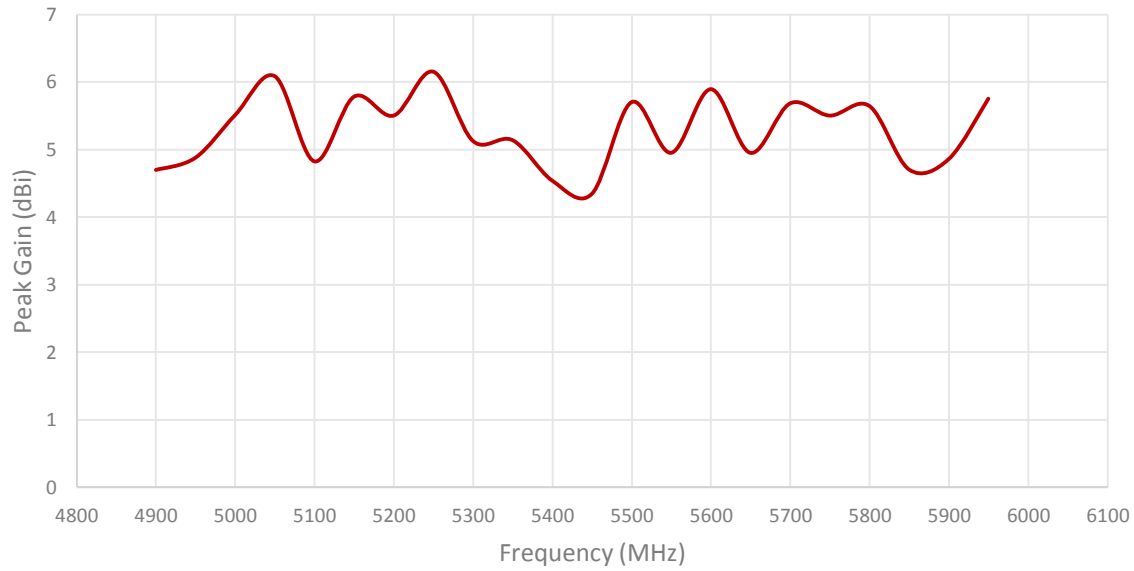
Specifications	2J0A02-5.0-C151G
Mounting Type	Connector Mount
Dimensions (mm)	44 x 9.6
Radome	ASA UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

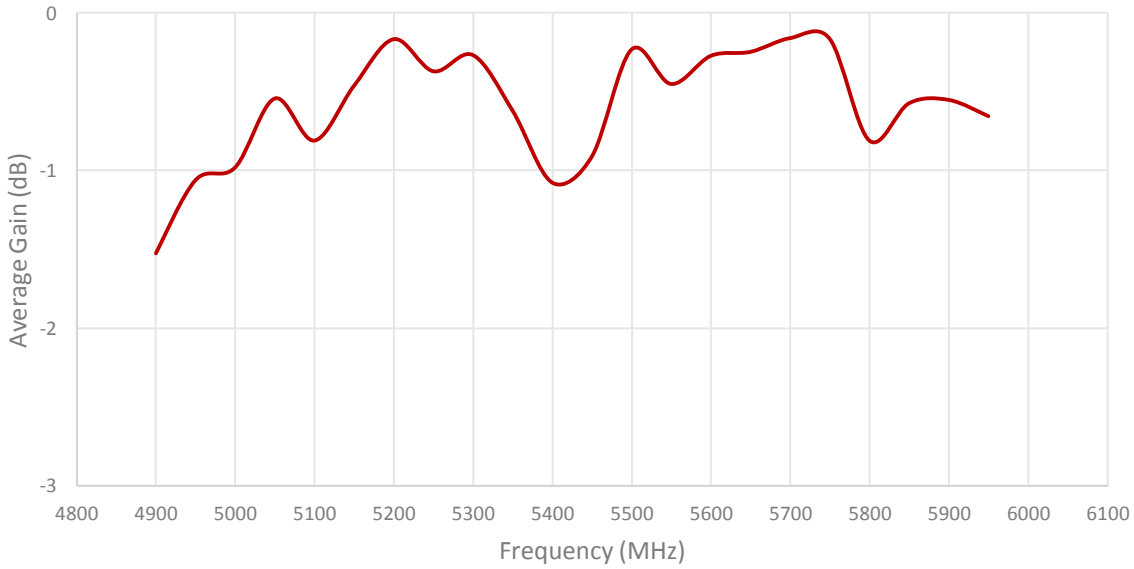
3. Antenna parameters

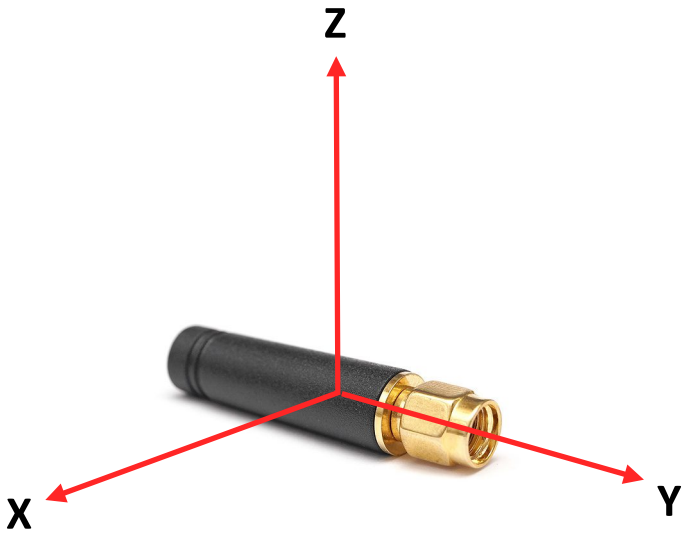




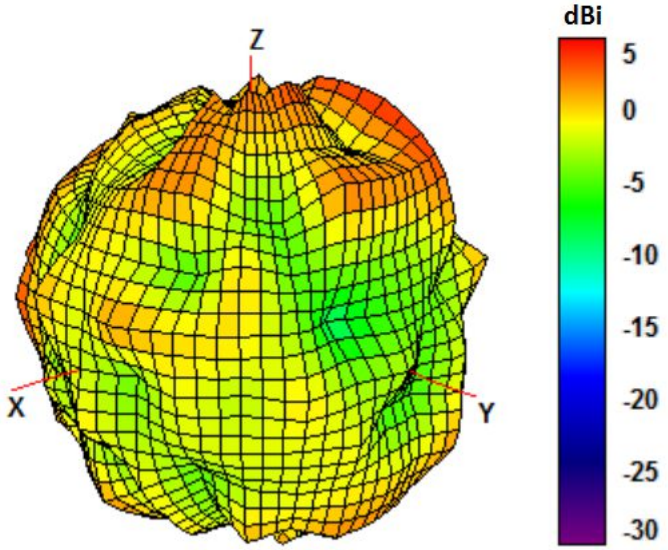

100
90
80
70
60
50
40
30
20
10
0
Efficiency (%)
4800
4900
5000
5100
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
Frequency (MHz)


7
6
5
4
3
2
1
0
Peak Gain (dBi)
4800
4900
5000
5100
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
Frequency (MHz)



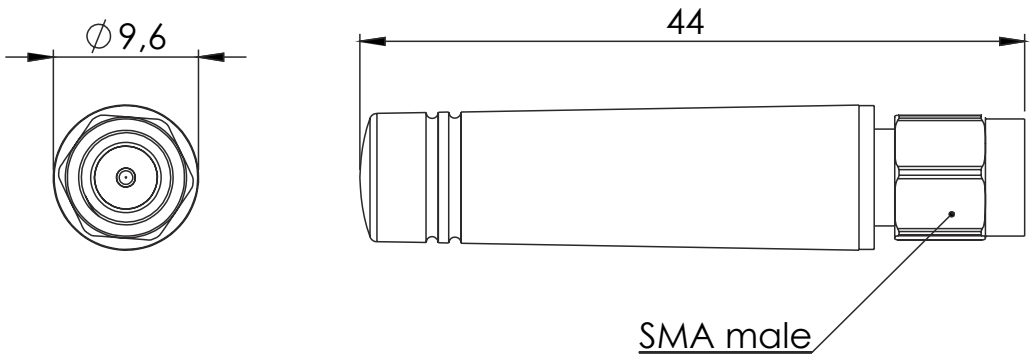


Radiation pattern reference



5500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images







