

2J0202-C75G

2.4/5.0/6.0 GHz ISM Connector Mount

Key Features

2.4/5.0/6.0 GHz ISM

- 2410-2490 MHz
- 4920-7125 MHz

Connector Mount

Ground Plane Dependent

High Gain

Small Form Factor

Dimensions Ø 12.5 × 34.7 mm



1. Antenna and electrical specifications

Parameters	2.4/5.0/6.0 GHz ISM Antenna		
Standards	WiFi, BT, ZigBee, ISM		
Band (MHz)	2.4 GHz	5.0 GHz	6.0 GHz
Frequency (MHz)	2410-2490	4920-5925	5925-7125
Return Loss (dB)	~-13.3	~-4.6	~-3.0
VSWR	~1.6:1	~4.3:1	5.8:1
Efficiency (%)	~67.7	~31.0	~25.1
Peak Gain (dBi)	~3.1	~-0.2	~-0.7
Average Gain (dB)	~-1.7	~-5.2	~-6.0
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	SMA Male RP		

Antenna Measurement Conditions:

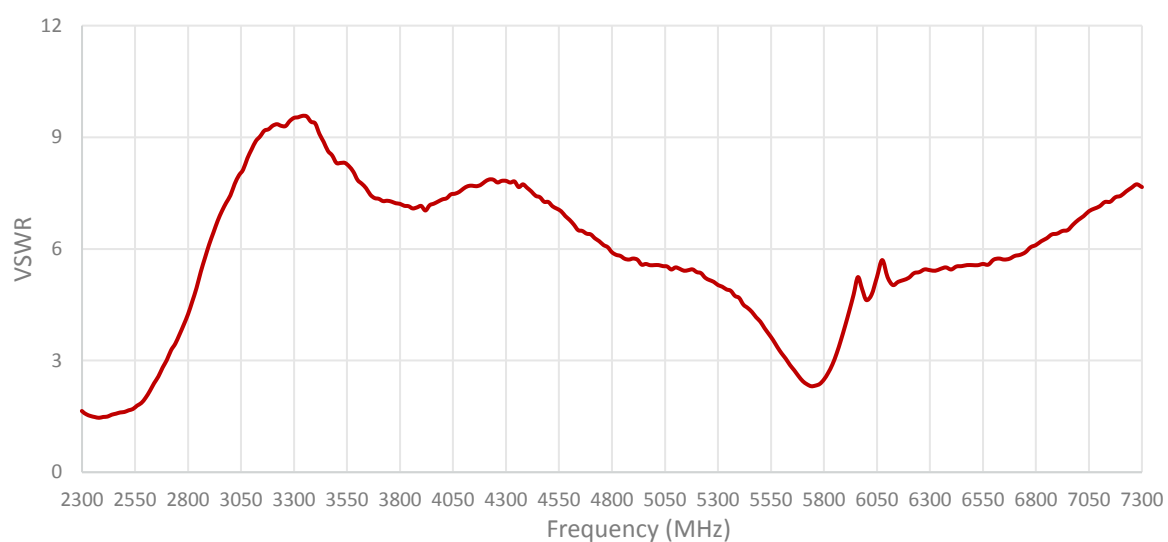
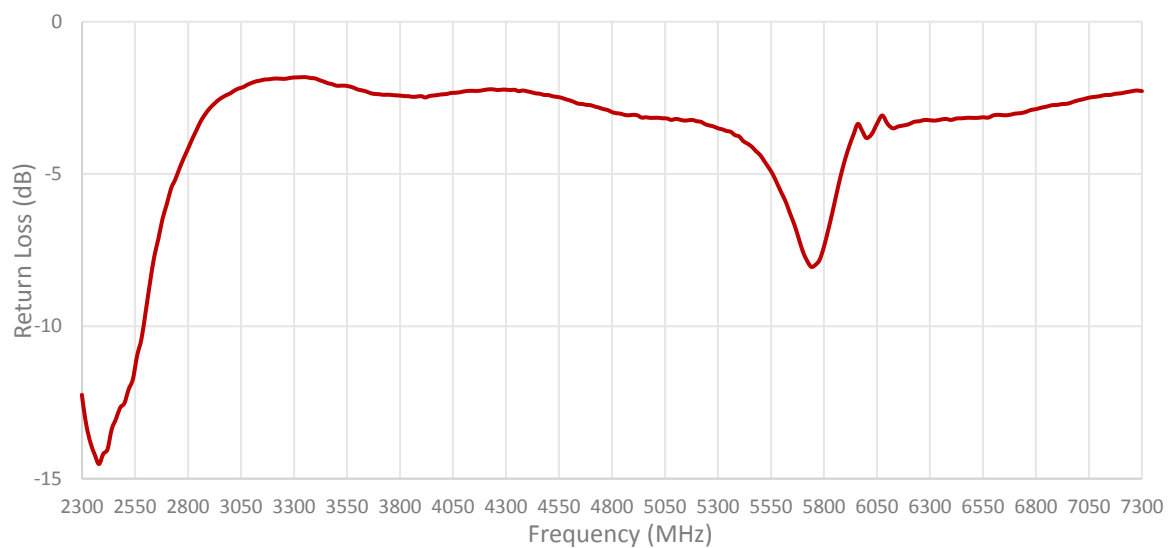
Mounted on ground plane of 70 × 35 mm

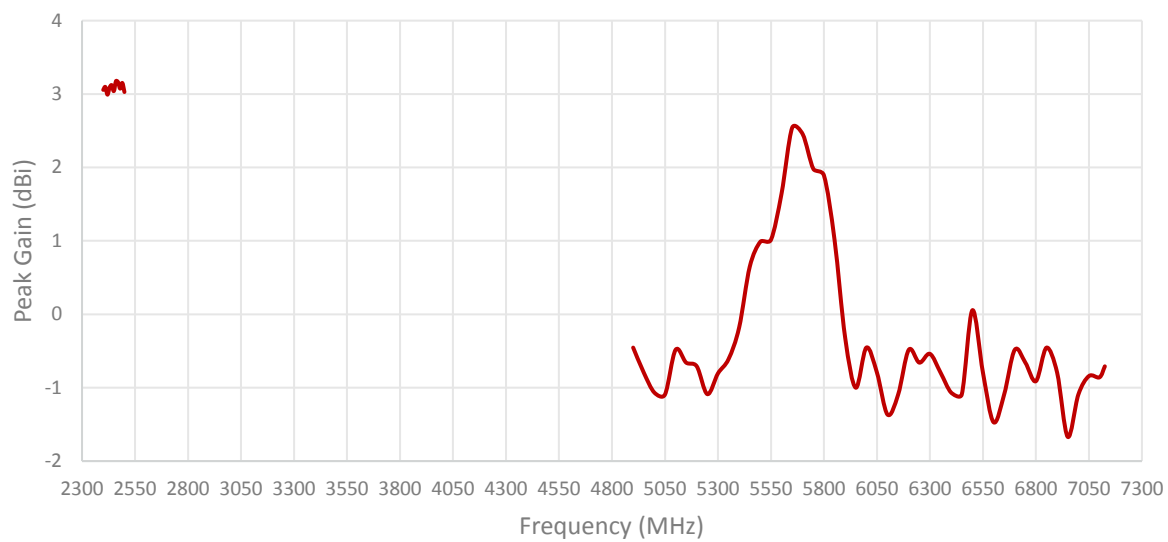
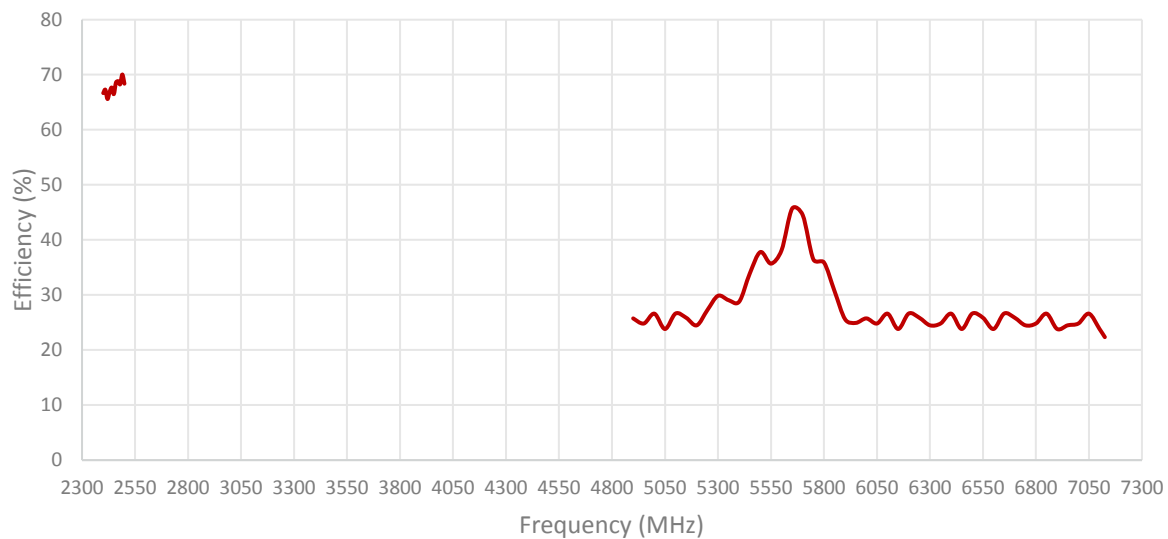
Measured in Certified CTIA 3D Anechoic Chamber

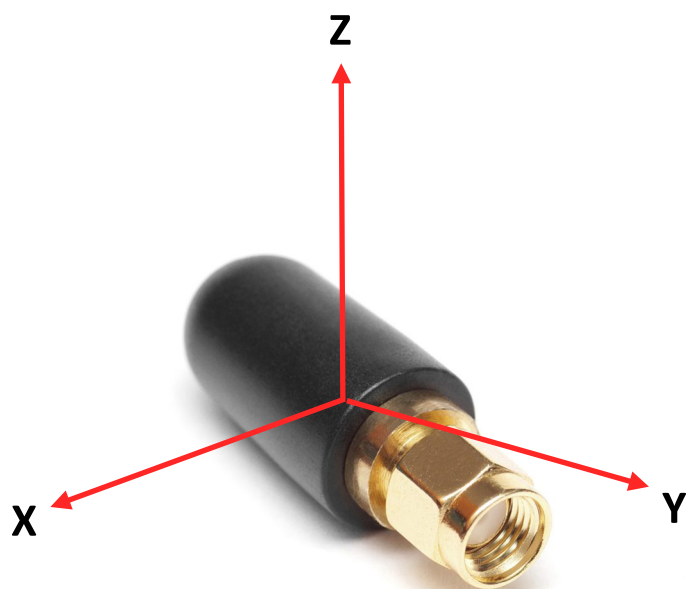
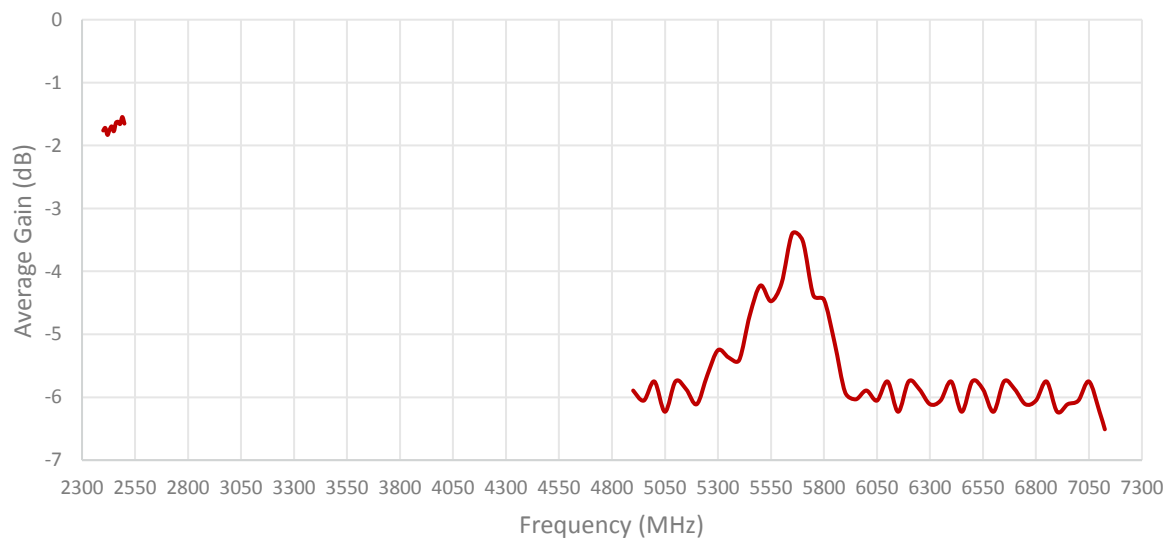
2. Mechanical and environmental specifications

Specifications	2J0202-C75G
Mounting Type	Connector Mount
Dimensions (mm)	Ø 12.5 × 34.7
Radome Type	ASA
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

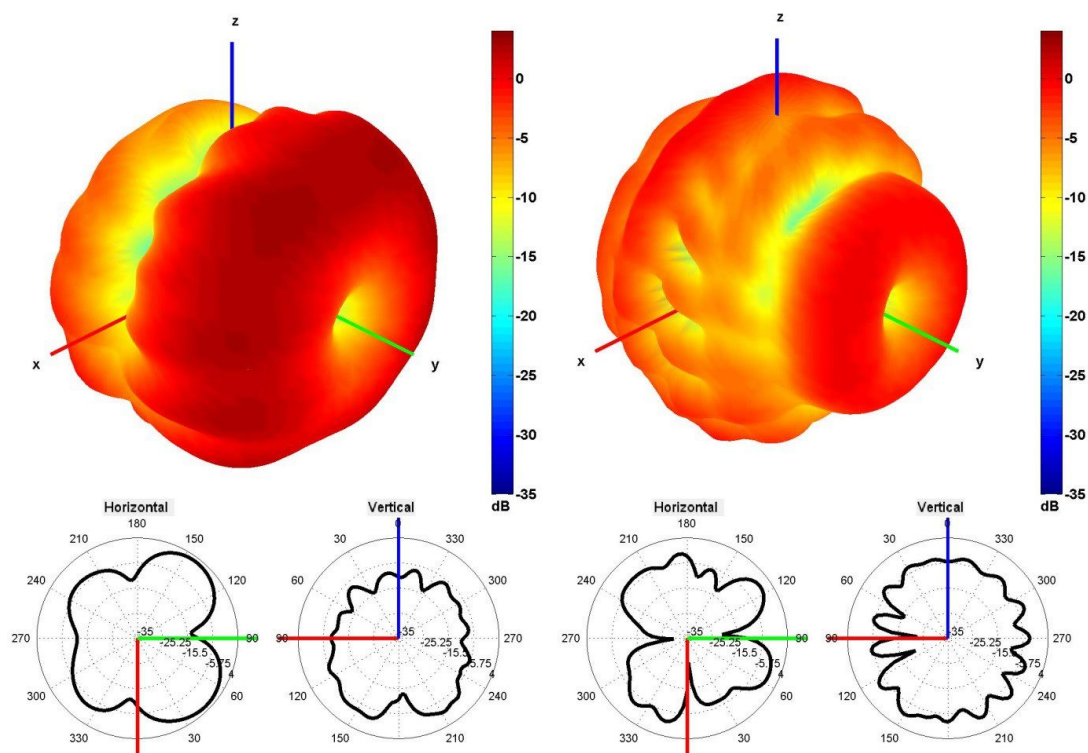
3. Antenna parameters



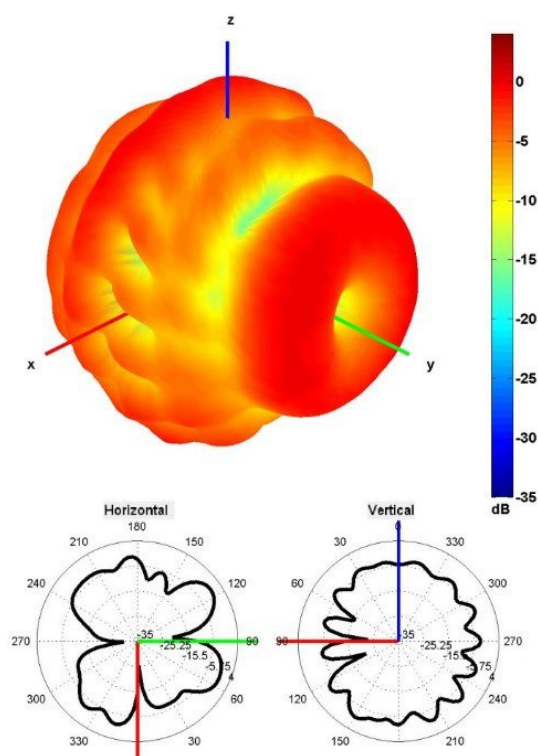




Radiation pattern reference



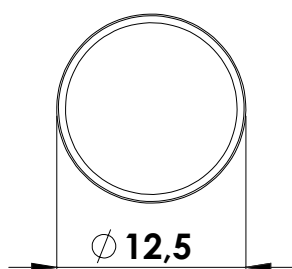
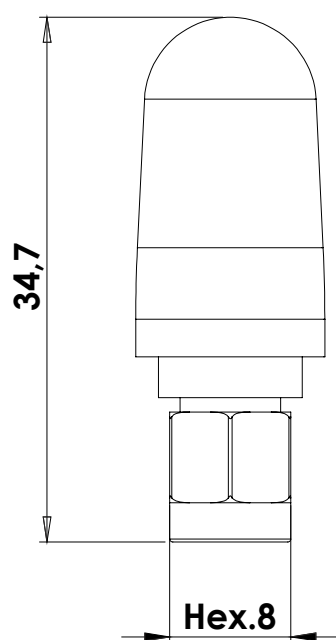
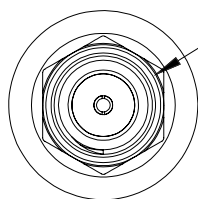
2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings

SMA Male RP, Straight, Gold Connector



5. Antenna Images

