

2J0902-C115N

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 Independent

High Performance

Dimensions: Ø13.2 × 115.7 mm

Certificates: IPX7



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)	~-13.5	~-14.1	~-7.6
VSWR	~0.9:1	~1.4:1	~3.2:1
Efficiency (%)	~72.0	~72.5	~52.3
Peak Gain (dBi)	~3.5	~7.2	~7.0
Average Gain (dB)	~-0.8	~-1.1	~-2.7
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	RP-SMA-Male Standard		

Antenna Measurement Conditions:

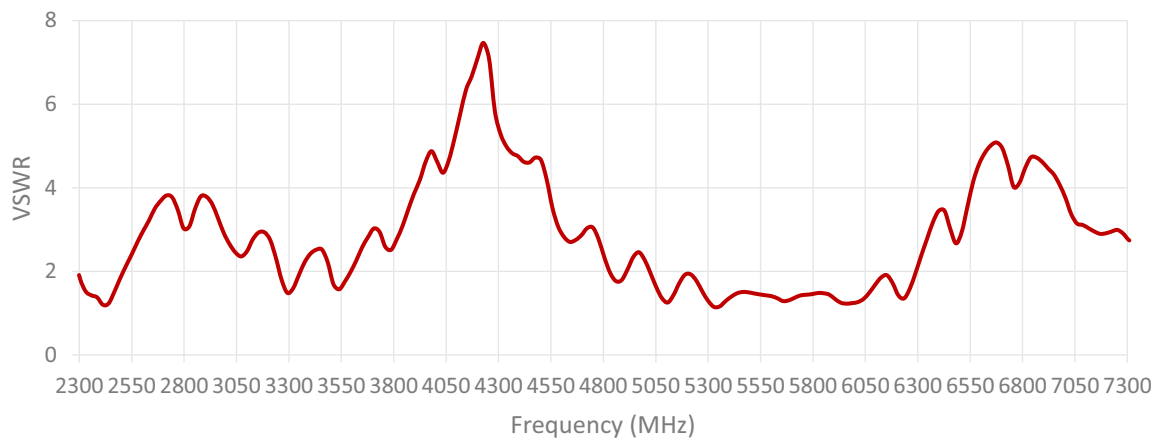
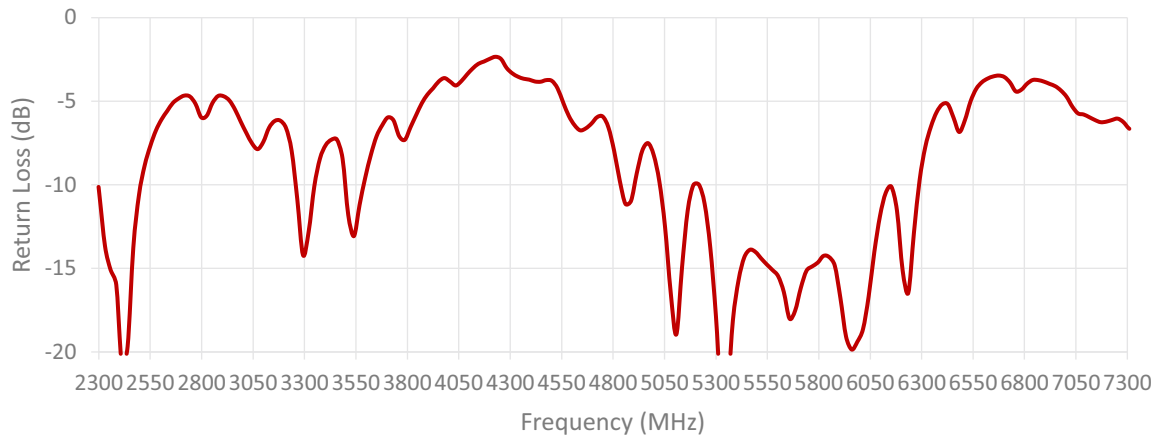
Free Space

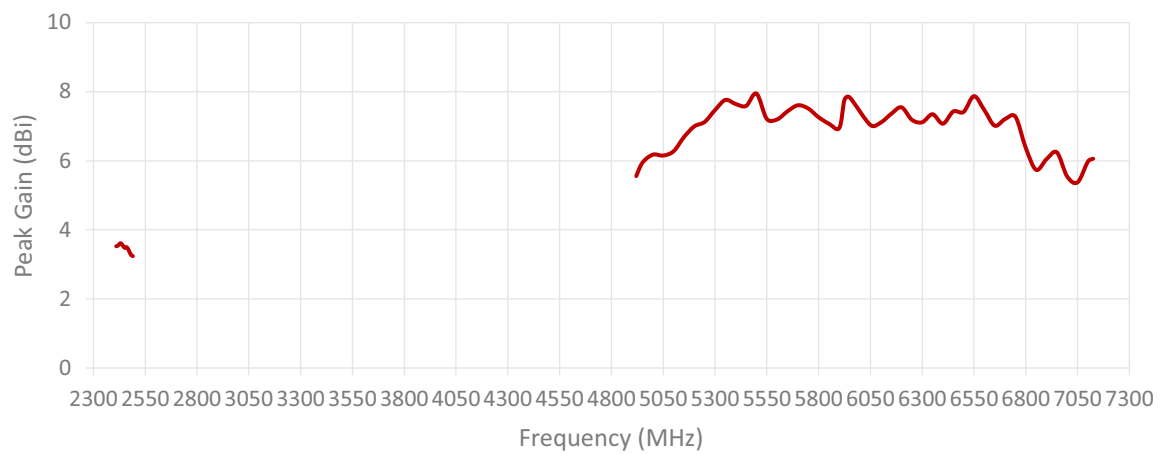
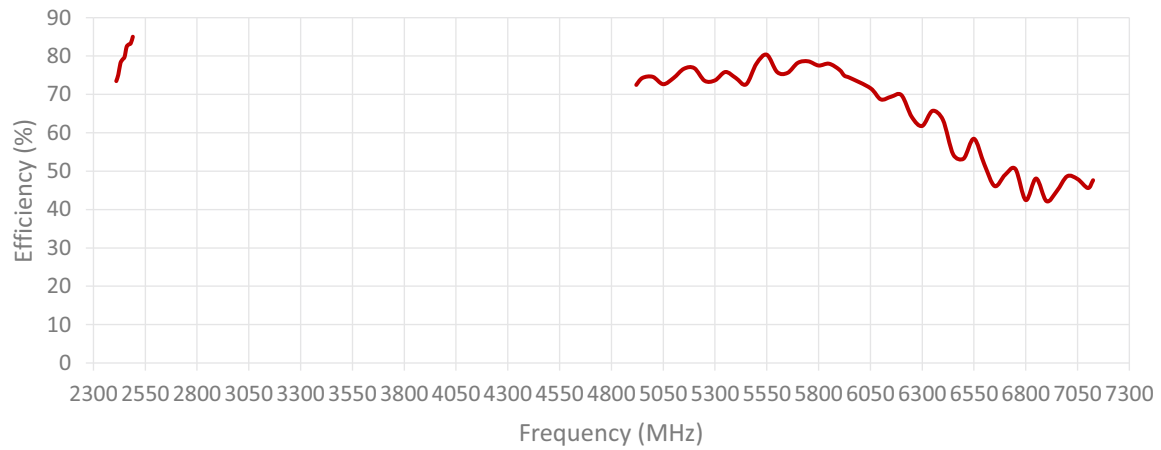
Measured in Certified CTIA 3D Anechoic Chamber

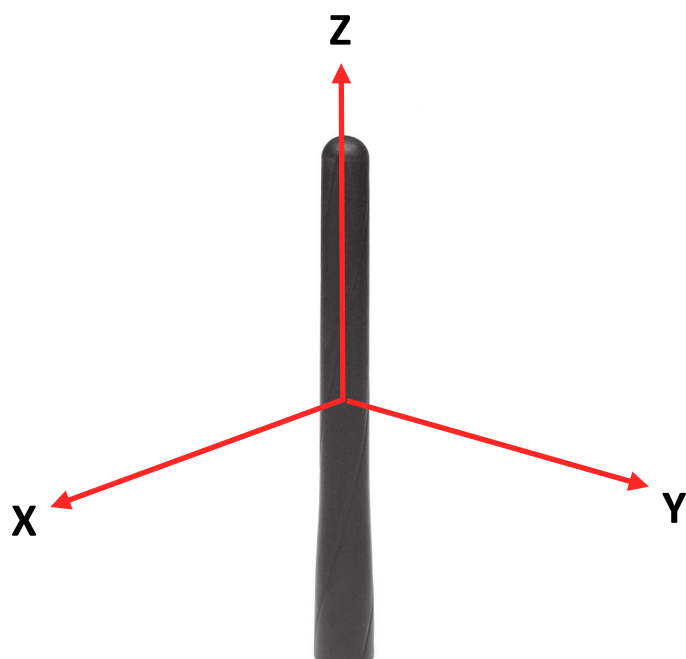
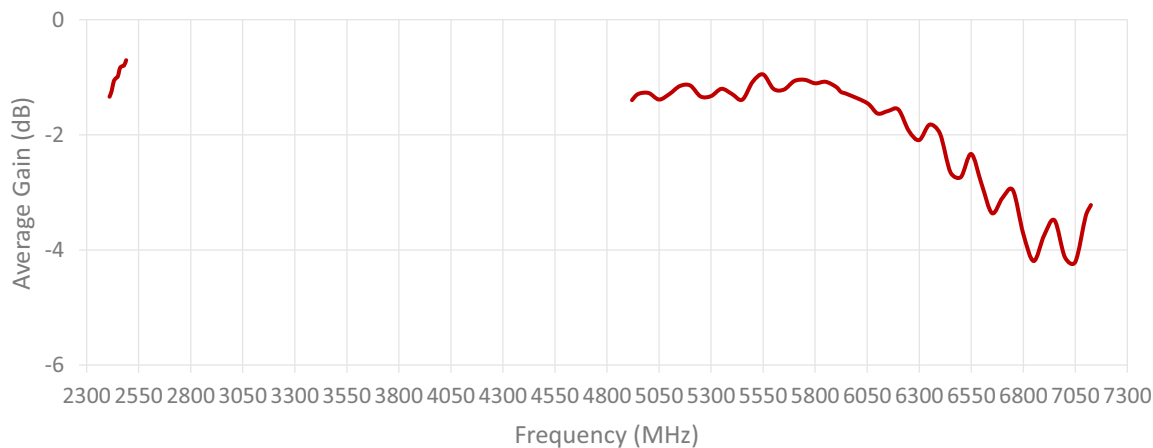
2. Mechanical and environmental specifications

Specifications	2J0902-C115N
Mounting Type	Connector Mount
Dimensions (mm)	Ø13.2 × 115.7
Radome	ASA
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IPX7

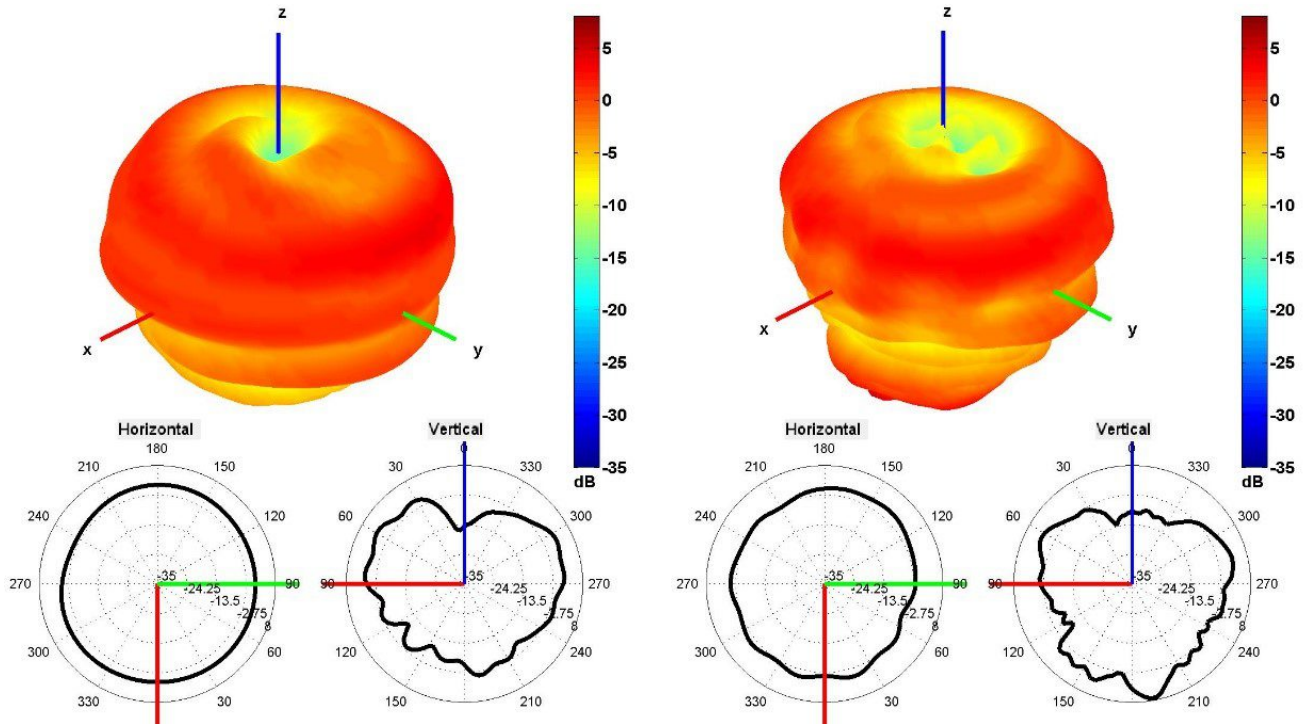
3. Antenna parameters



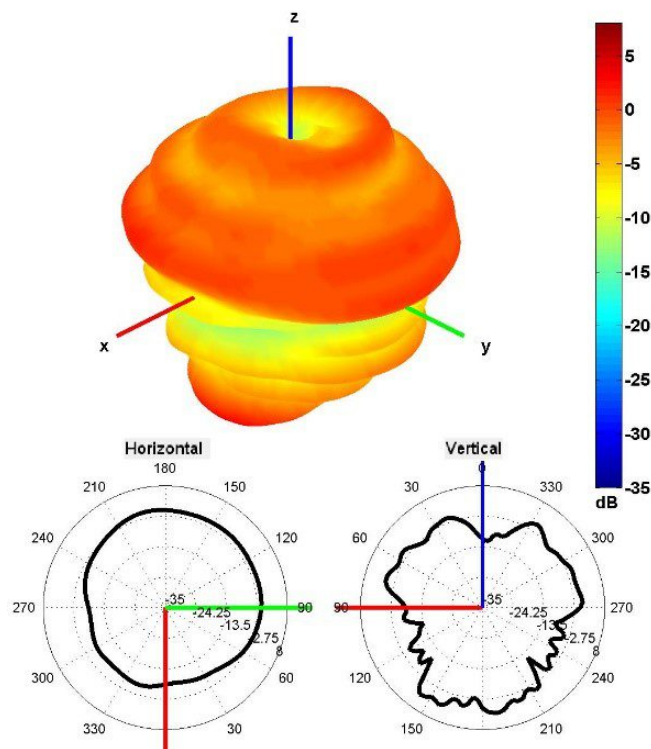




Radiation pattern reference

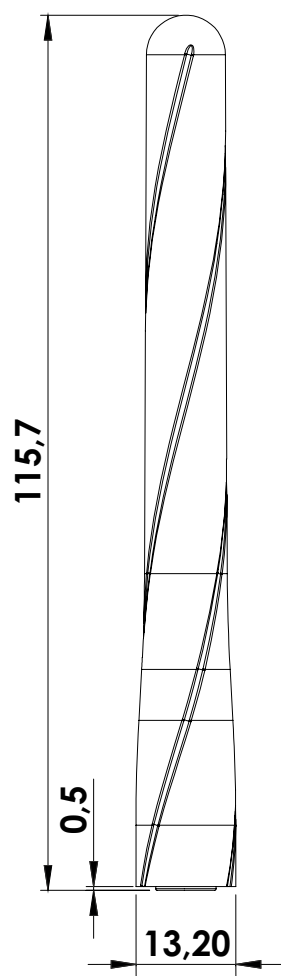


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

