

2JW0502-C442B

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

Hinged Connector

High Gain

Dimensions 173 × Ø 10 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)	~-9.0	~-9.1	~-5.5
VSWR	~1.2:1	~2.1:1	~3.4:1
Efficiency (%)	~58.4	~56.1	~44.3
Peak Gain (dBi)	~3.1	~6.6	~4.5
Average Gain (dB)	~-1.8	~-2.2	~-3.2
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	RP-SMA-Male Standard (Other Connectors Available)		

Antenna Measurement Conditions:

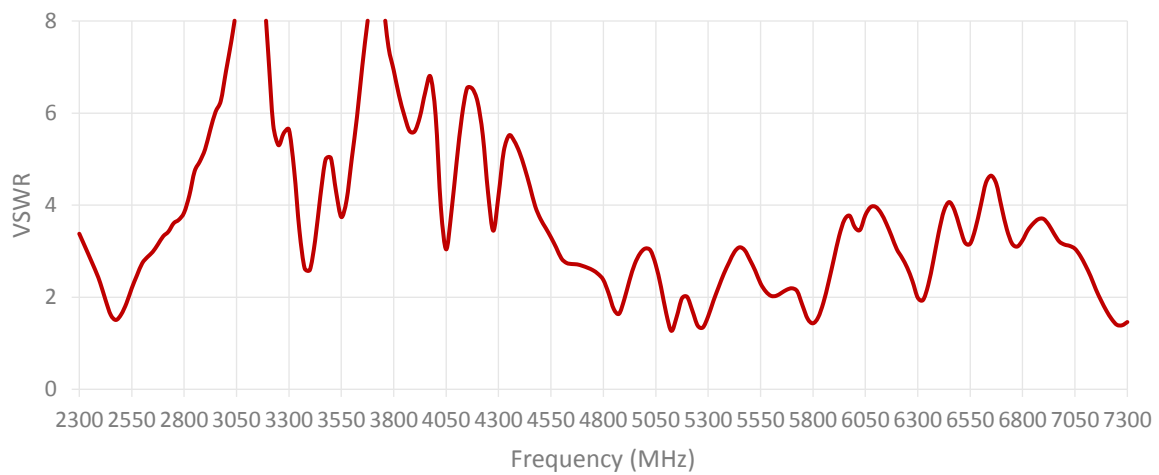
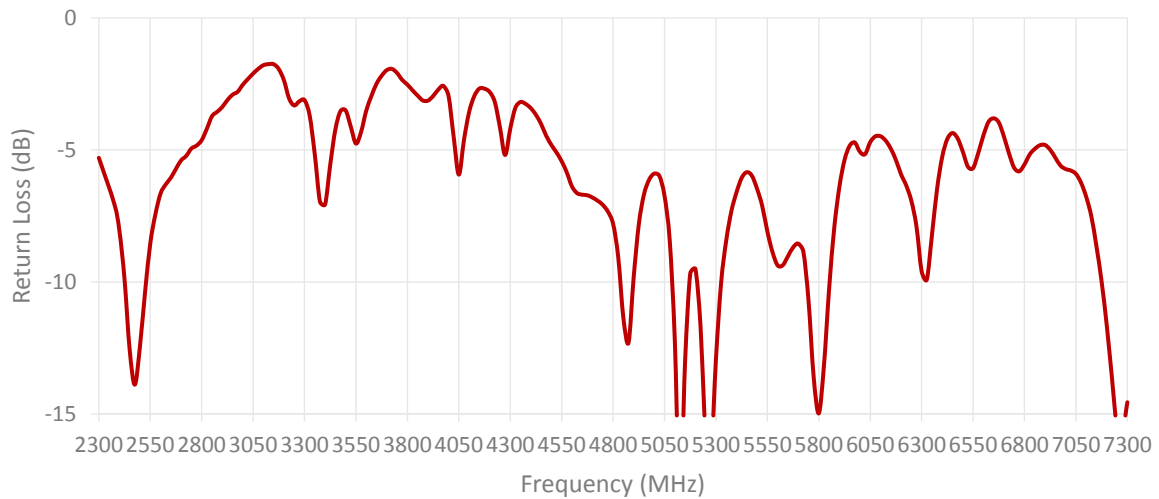
Free Space

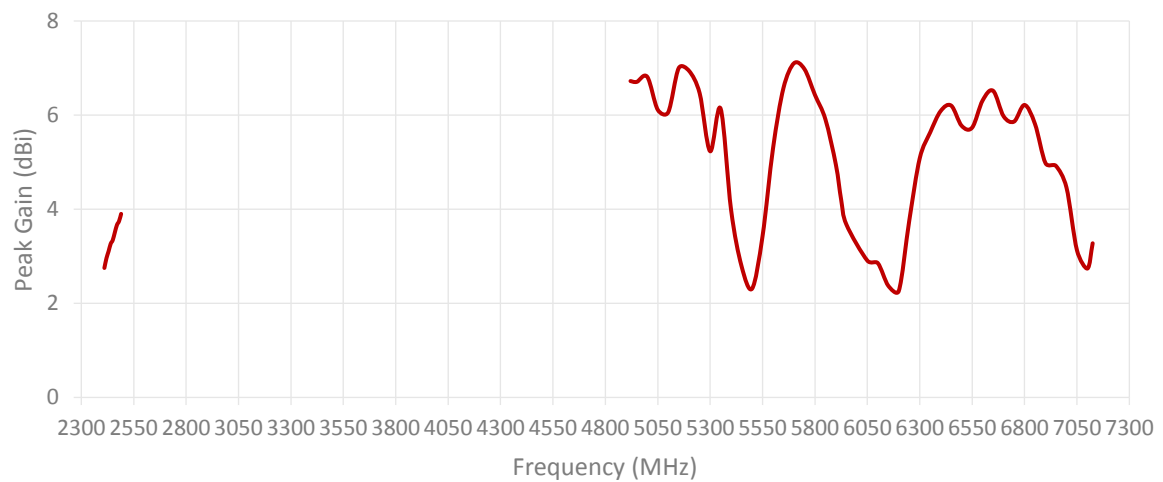
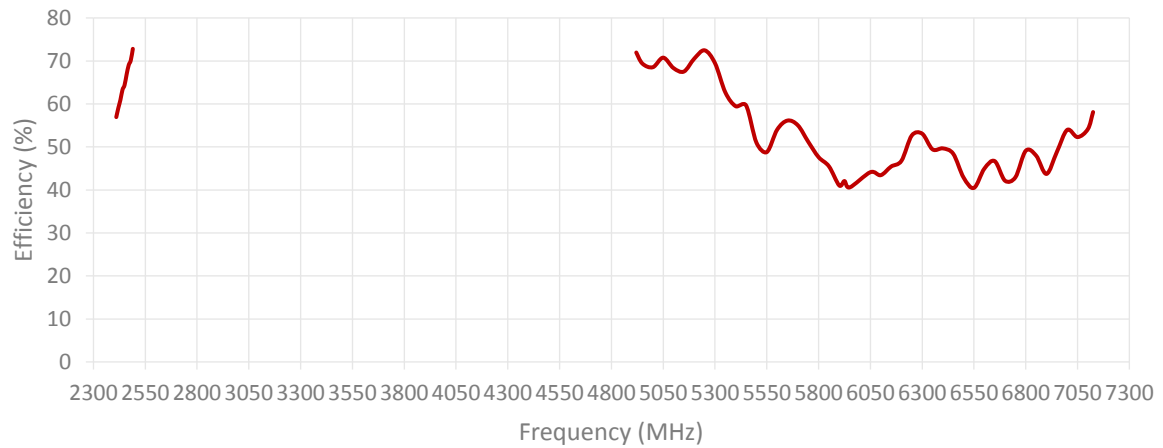
Measured in Certified CTIA 3D Anechoic Chamber

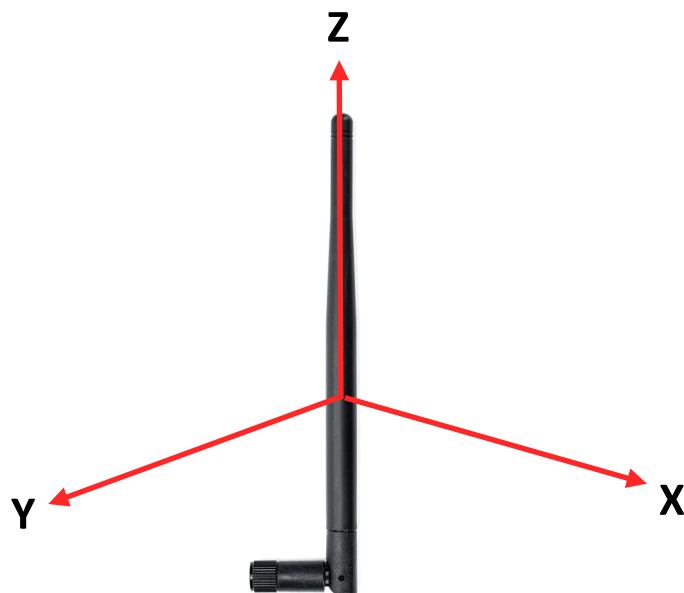
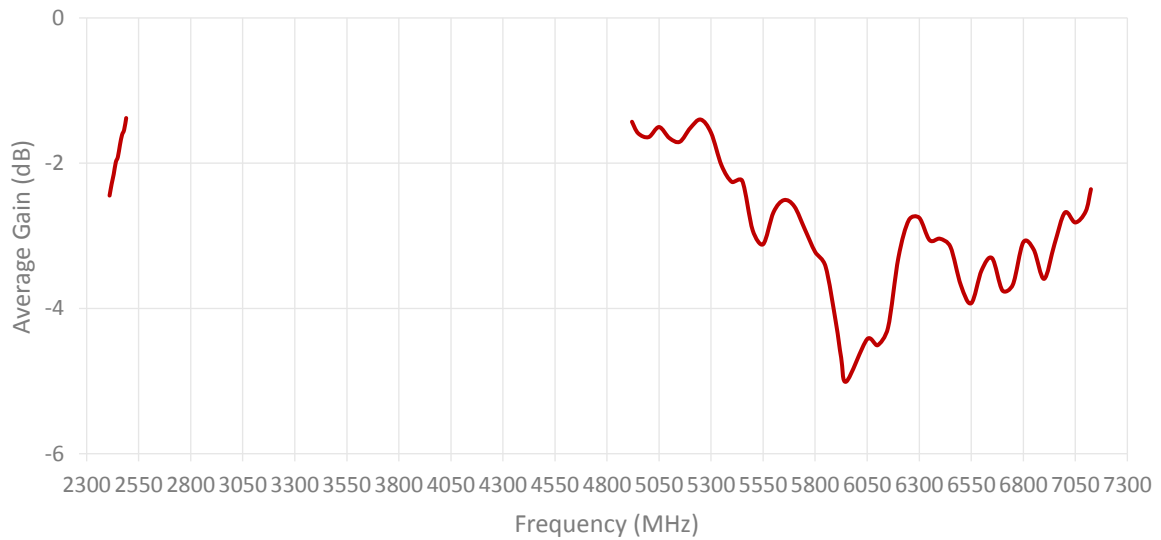
2. Mechanical and environmental specifications

Specifications	2JW0502-C442B
Mounting Type	Connector Mount
Dimensions (mm)	173 x Ø 10
Radome	ABS UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

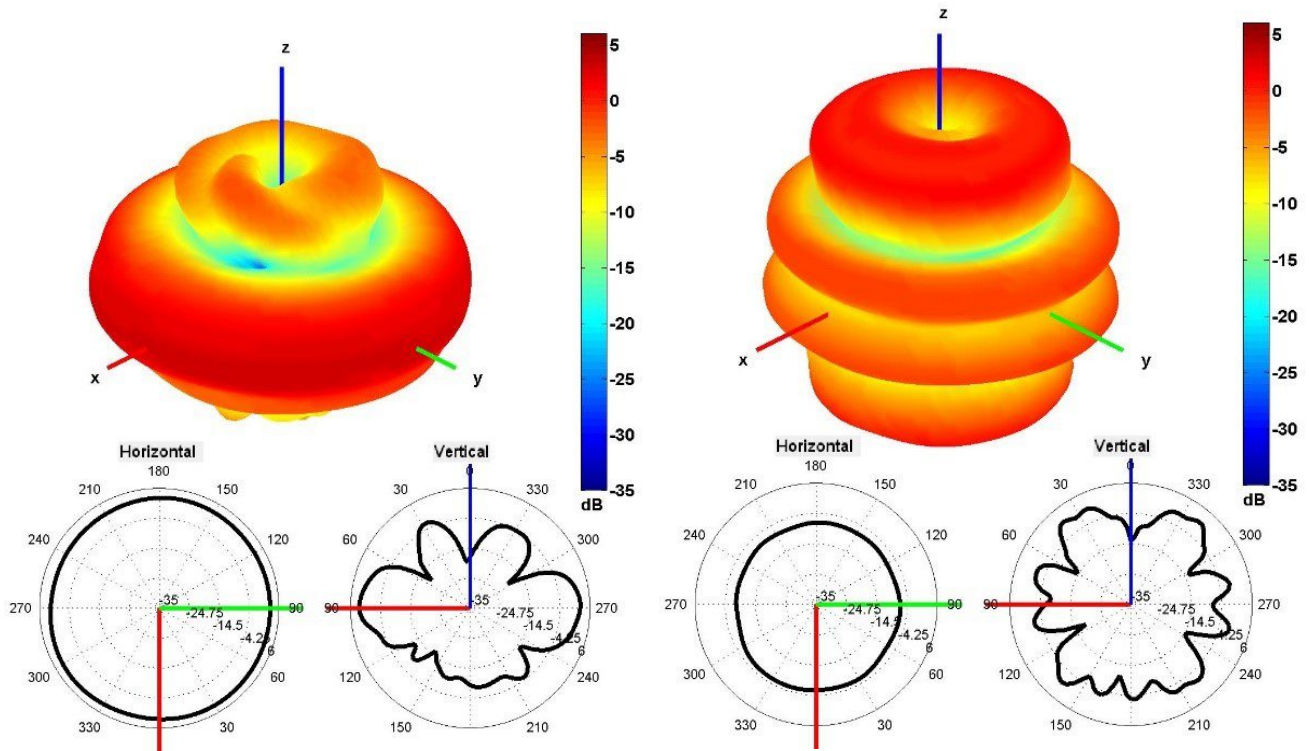
3. Antenna parameters



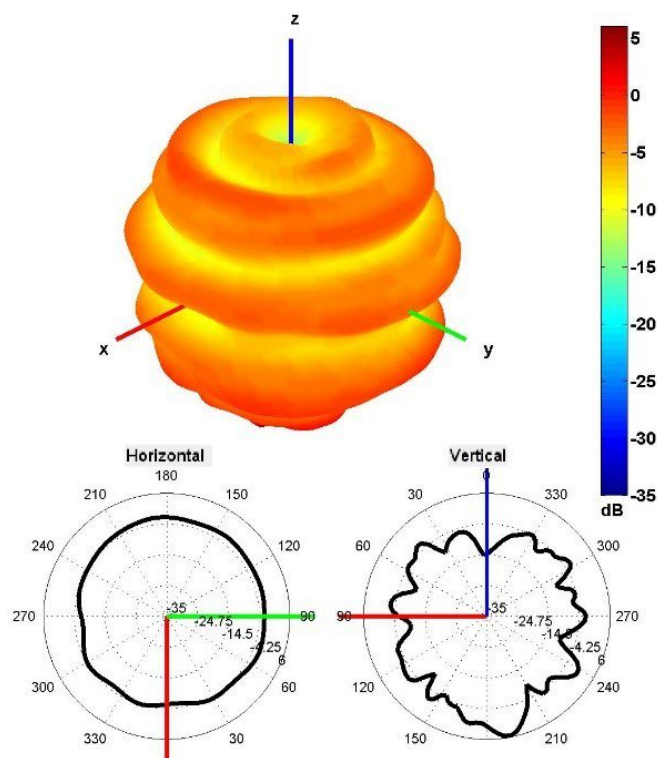




Radiation pattern reference

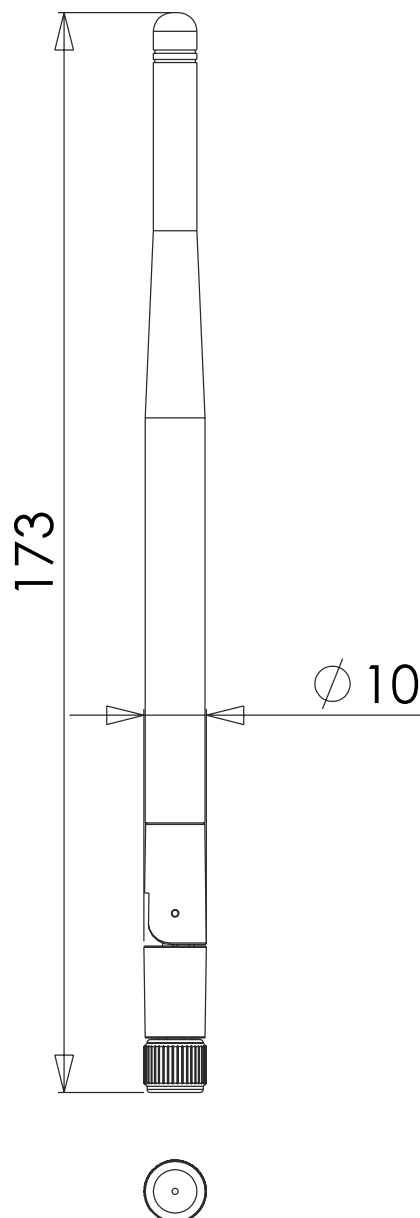


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

