

2JP0102P-SP

2.4/5.0/6.0 GHz ISM Rigid Fiberglass Adhesive Mount

Key Features

2.4/5.0/6.0 GHz ISM

- 2410-2490 MHz

- 4920-7125 MHz

Self-Adhesive

Wifi 6E Antenna

Low Profile

Embedded Antenna

Ground Plane Independent

High Performance

Dimensions 17.5 x 6.5 x 1.4 mm

Customizable Cable and Connector



1. Antenna and electrical specifications

Parameters	2.4/5.0/6.0 GHz ISM Antenna		
Standards	WiFi 6E, BT, ZigBee, ISM, SigFox, LoRa		
Band (MHz)	2.4 GHz	5.0 GHz	6.0 GHz
Frequency (MHz)	2410-2490	4920-5925	5925-7125
Return Loss (dB)	~-8.3	~-12.6	~-14.2
VSWR	~2.4:1	~2.2:1	~1.8:1
Efficiency (%)	~47	~54	~50
Peak Gain (dBi)	~2.5	~3.5	~3.2
Average Gain (dB)	~-3.2	~-2.7	~-3.0
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	10		
Connector Type	U.FL Standard (Other Connectors Available)		
Cable Length	100mm Standard (Any Cable Length Available)		
Cable Type	1.37mm Mini-Coax Standard (Other Cables Available)		

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

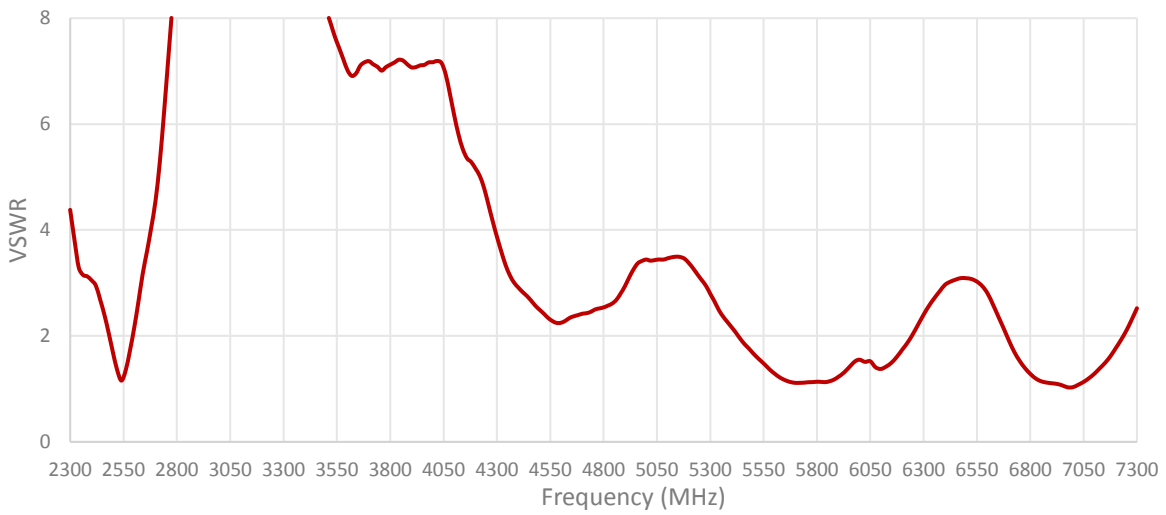
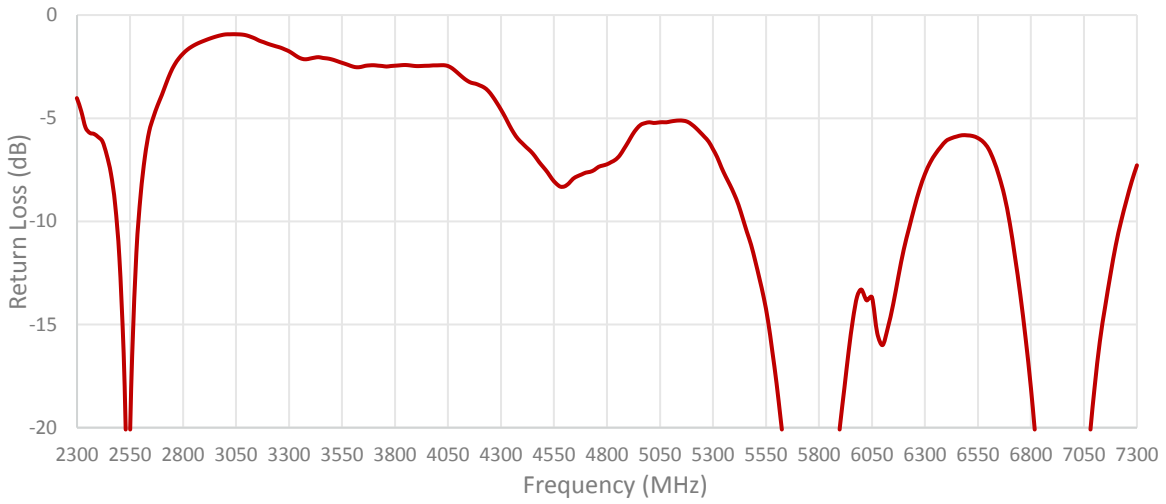
100 mm of 1.37 mm Mini-Coax Cable

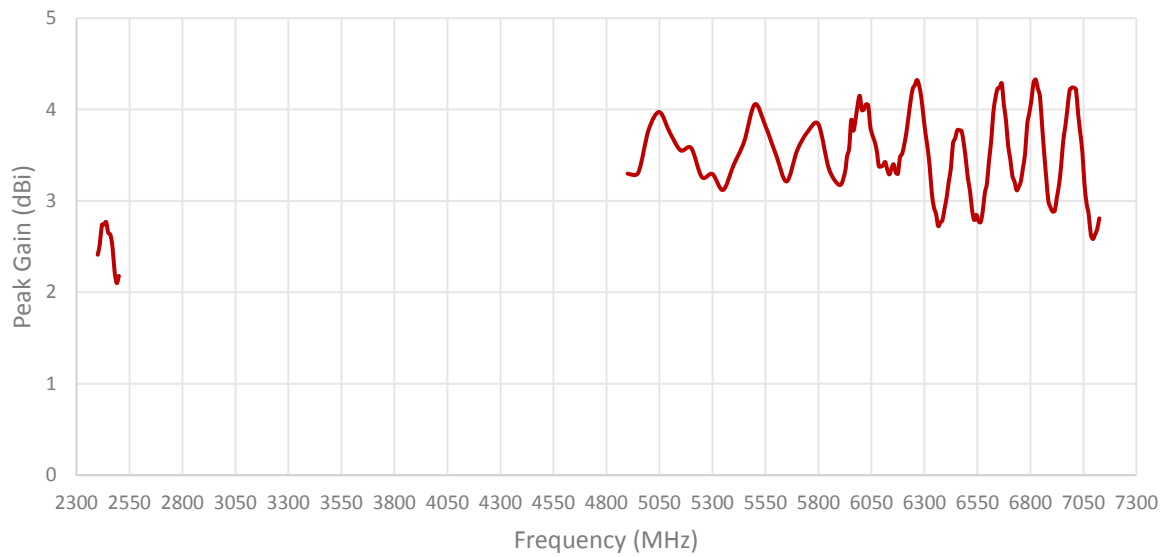
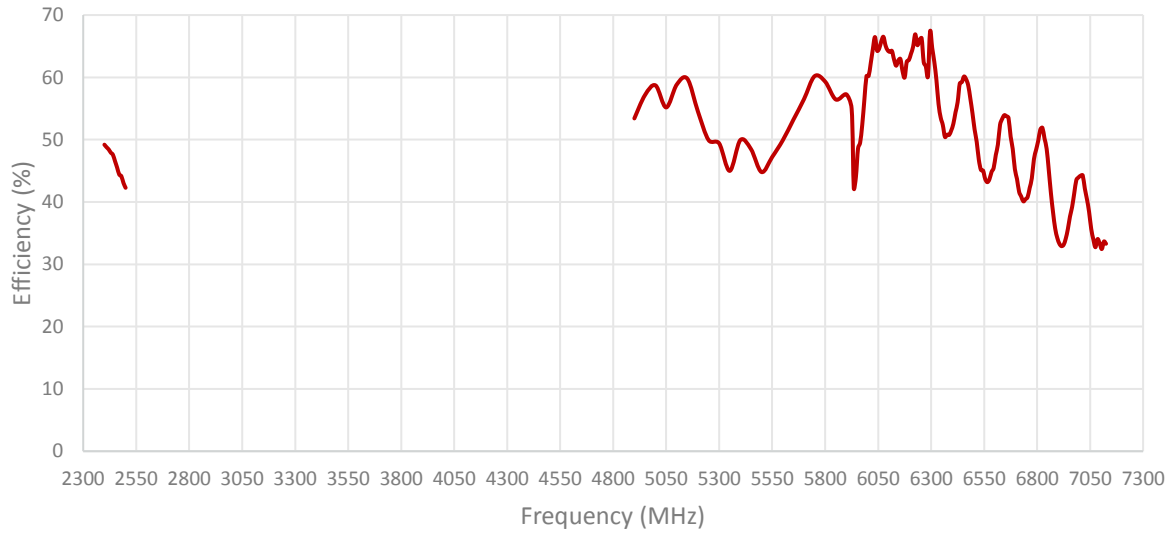
Measured in Certified CTIA 3D Anechoic Chamber

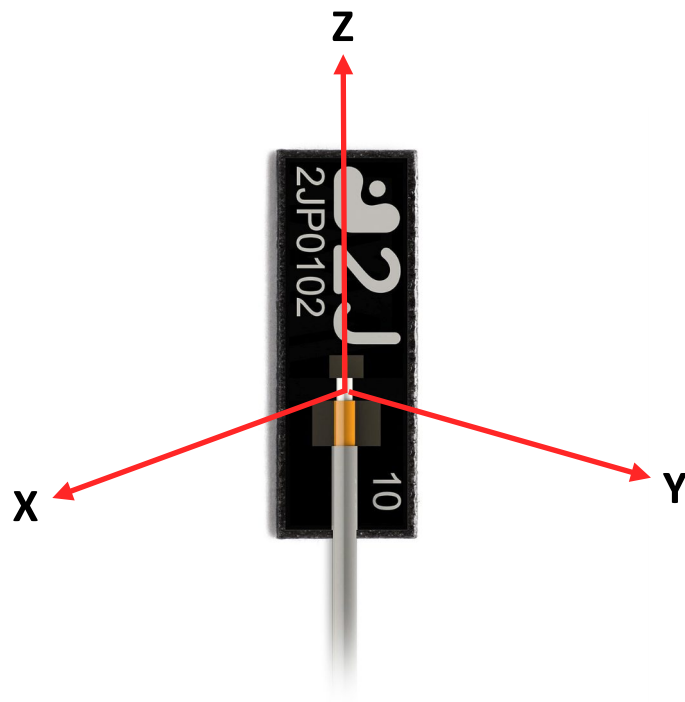
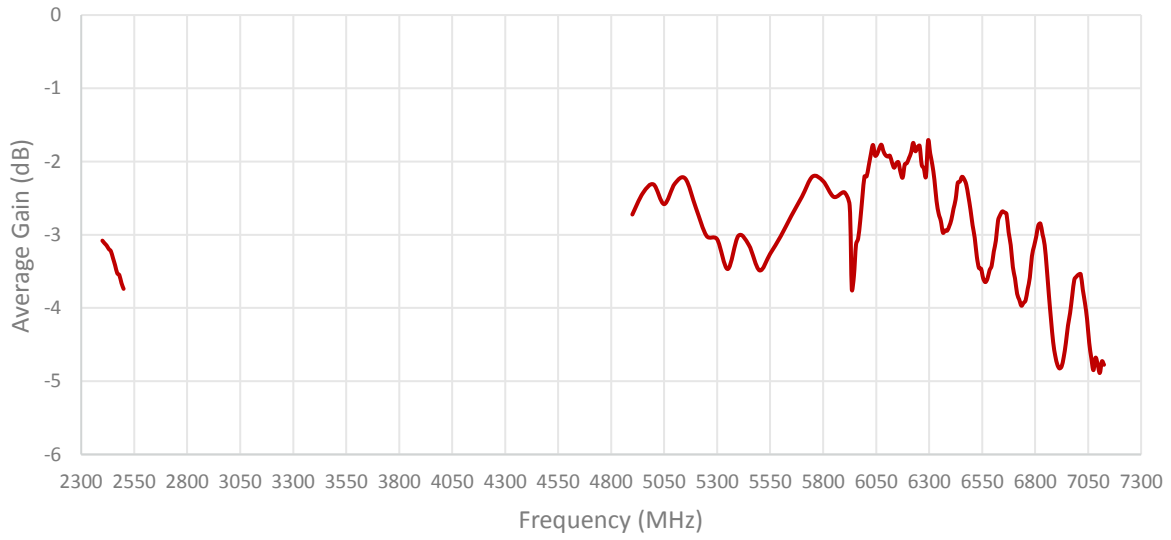
2. Mechanical and environmental specifications

Specifications	2JP0102P-SP
Mounting Type	Self-Adhesive
Dimensions (mm)	17.5 x 6.5 x 1.4
Adhesive Type	3M 467
Material	Rigid Fiberglass
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

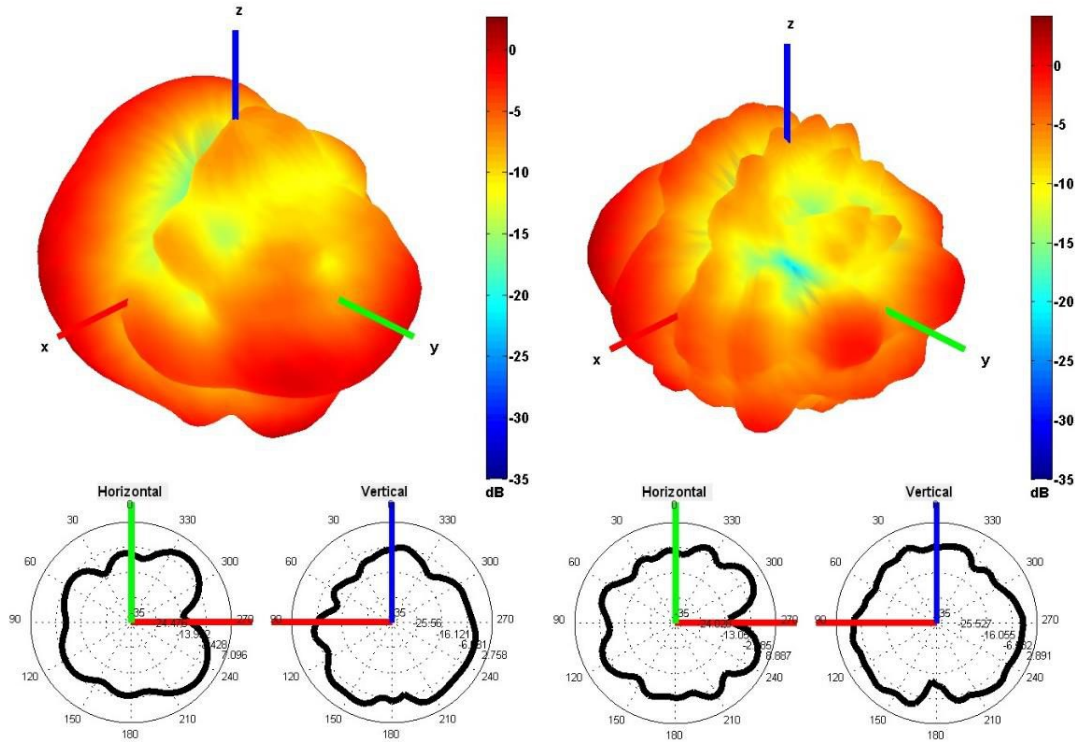
3. Antenna parameters



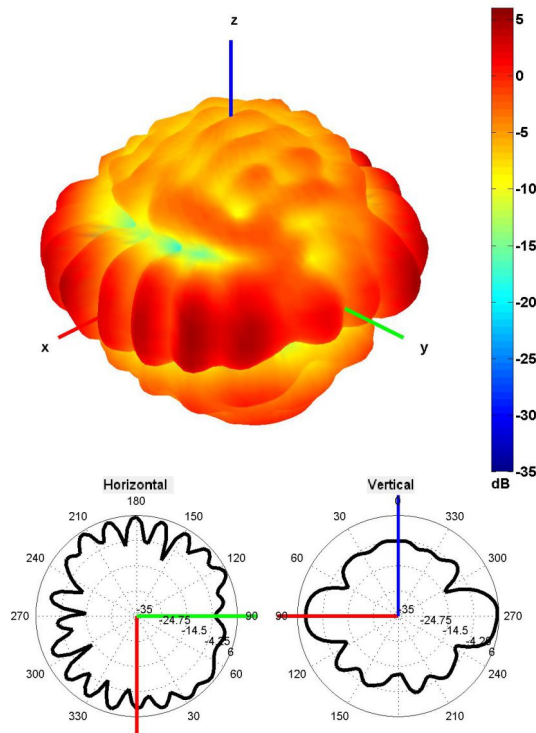




Radiation pattern reference

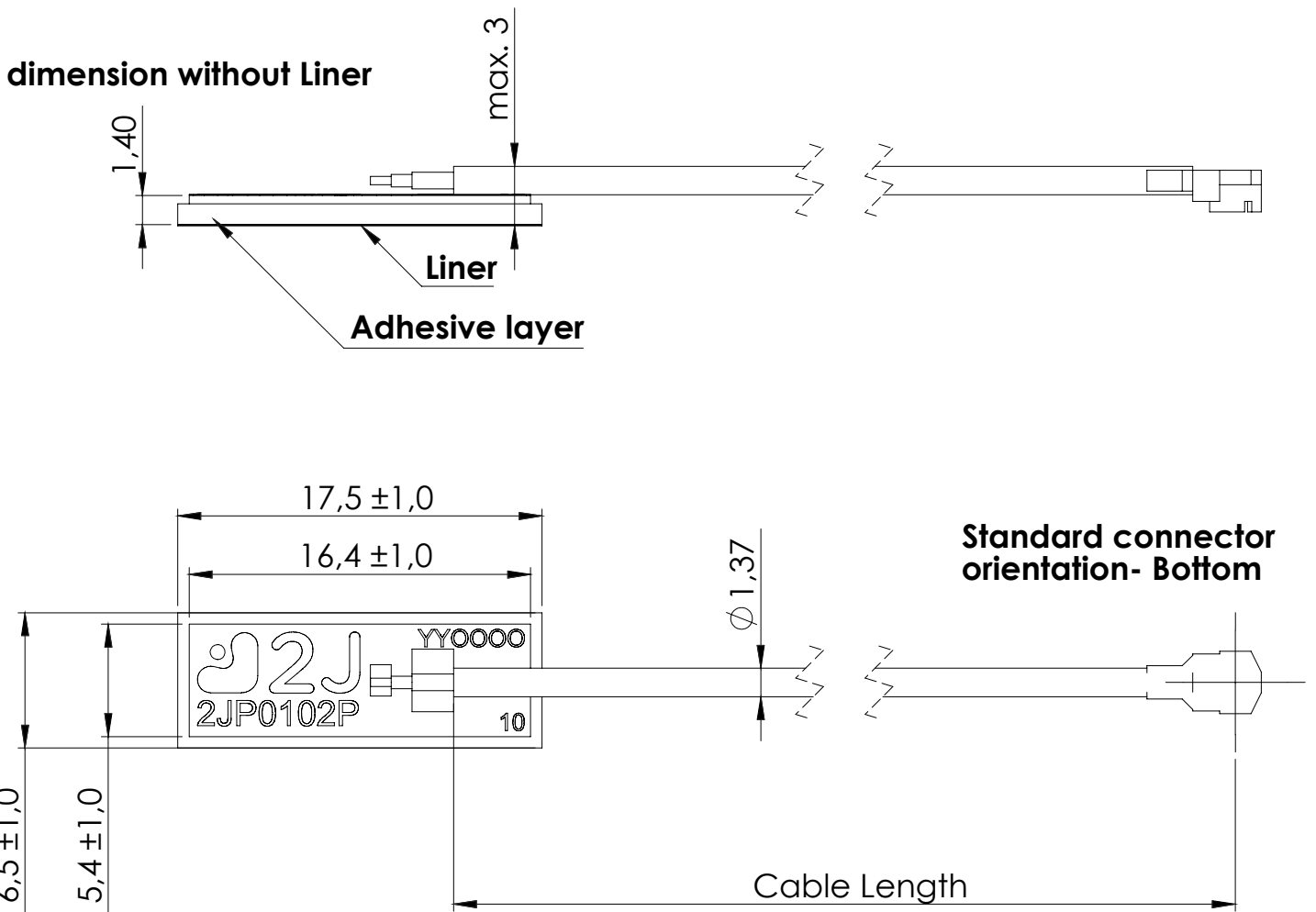


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

