

2JF1002P

2.4/5.0/6.0 GHz ISM Flexible Polymer

Key Features

2.4/5.0/6.0 GHz ISM

- 2410-2490 MHz

- 4920-7125 MHz

Self-Adhesive

WIFI 6E / WIFI 7 Antenna

High Performance

Flexible Material

Ground Plane Independent

Dimensions 40 × 8 × 0.2 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)	~-19.3	~-9.5	~-9.3
VSWR	~1.2:1	~2.3:1	~2.4:1
Efficiency (%)	~91.1	~65.7	~60.0
Peak Gain (dBi)	~4.2	~6.1	~6.4
Average Gain (dB)	~-0.4	~-1.9	~-2.3
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	Most RF Connectors (U.FL Standard)		
Cable Length	Any Cable Length (100mm Standard)		
Cable Type	Other Cables Available (1.37mm Standard)		

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

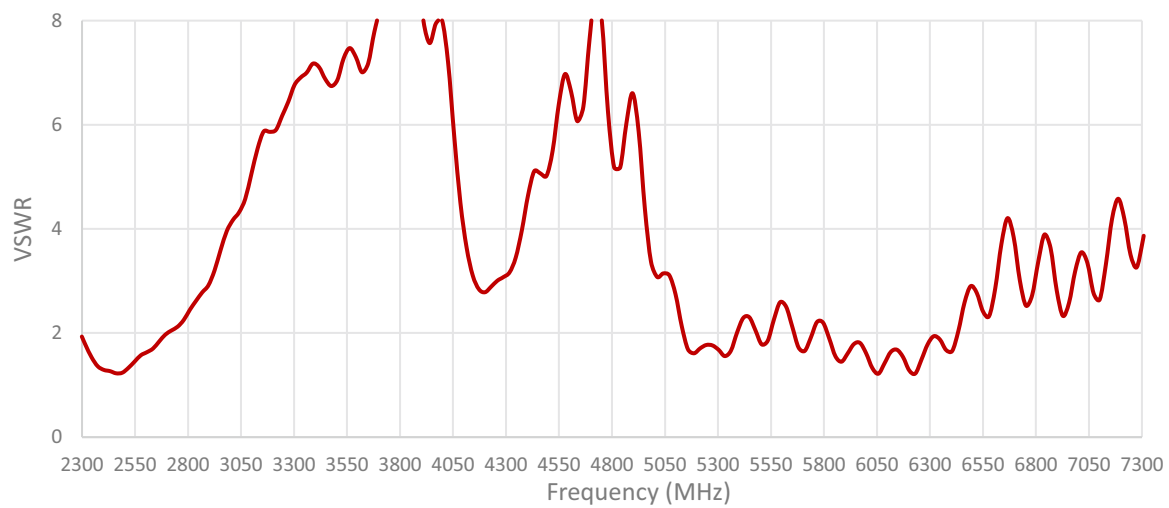
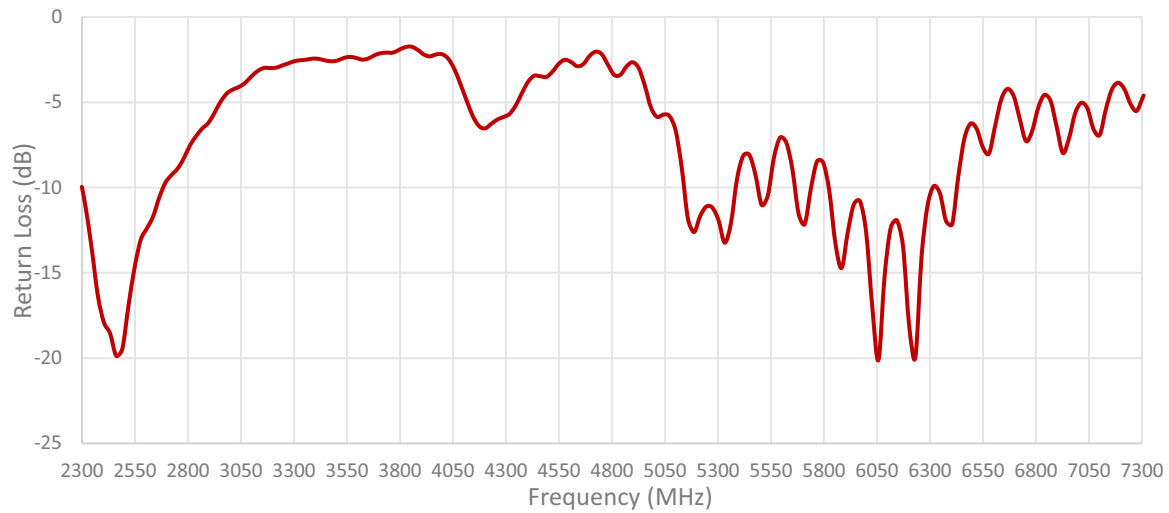
100 mm of 1.37 mm Cable

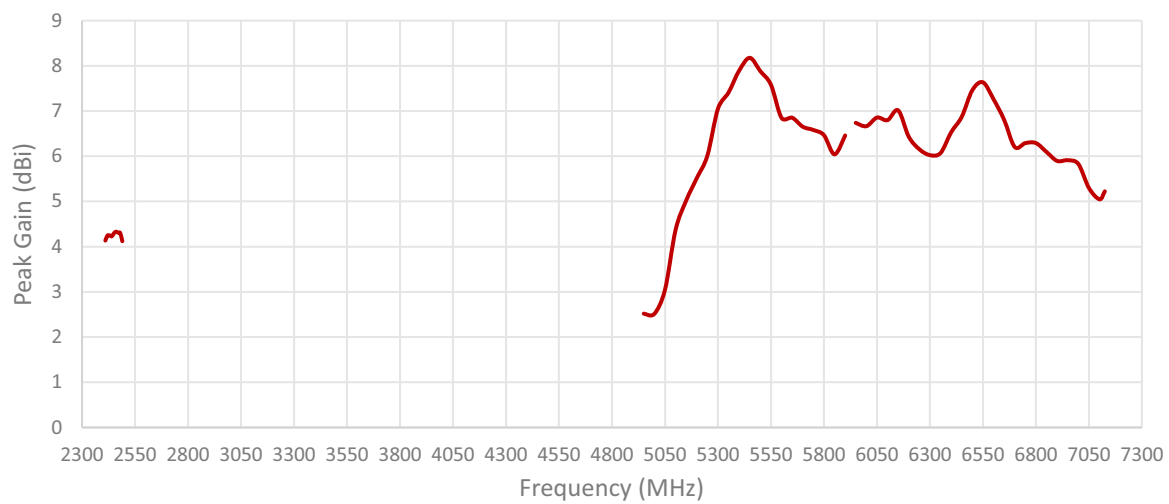
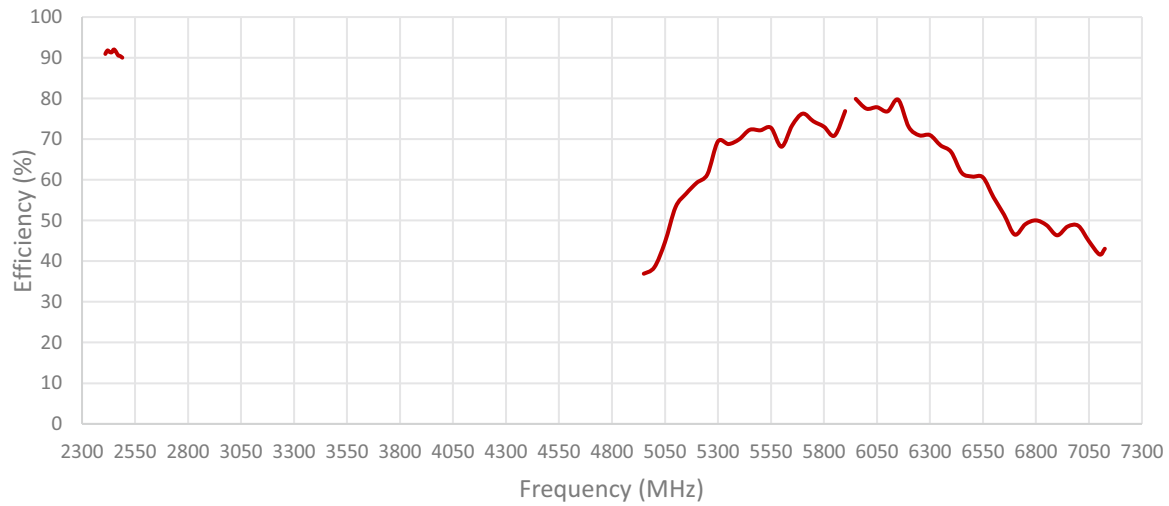
Measured in Certified CTIA 3D Anechoic Chamber

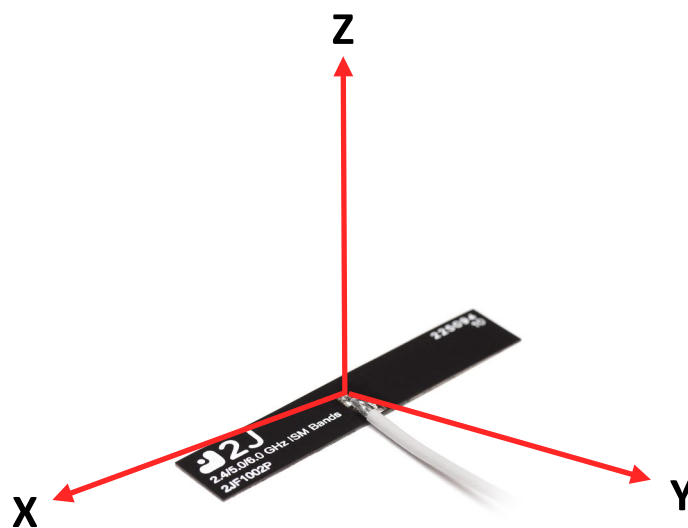
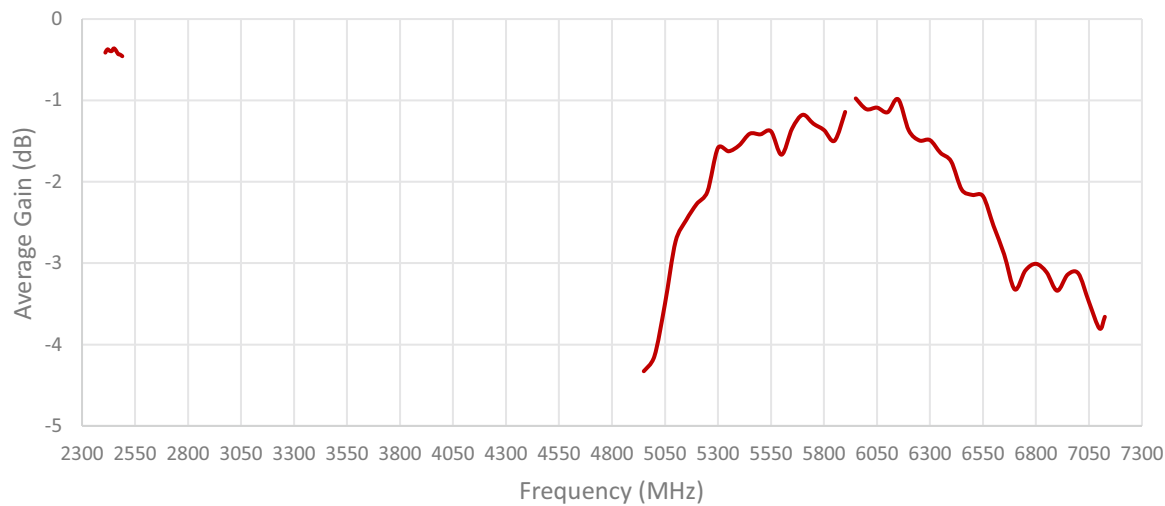
2. Mechanical and environmental specifications

Specifications	2JF1002P
Mounting Type	Self-Adhesive
Dimensions (mm)	40 × 8 × 0.2
Material	Flexible Polymer
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

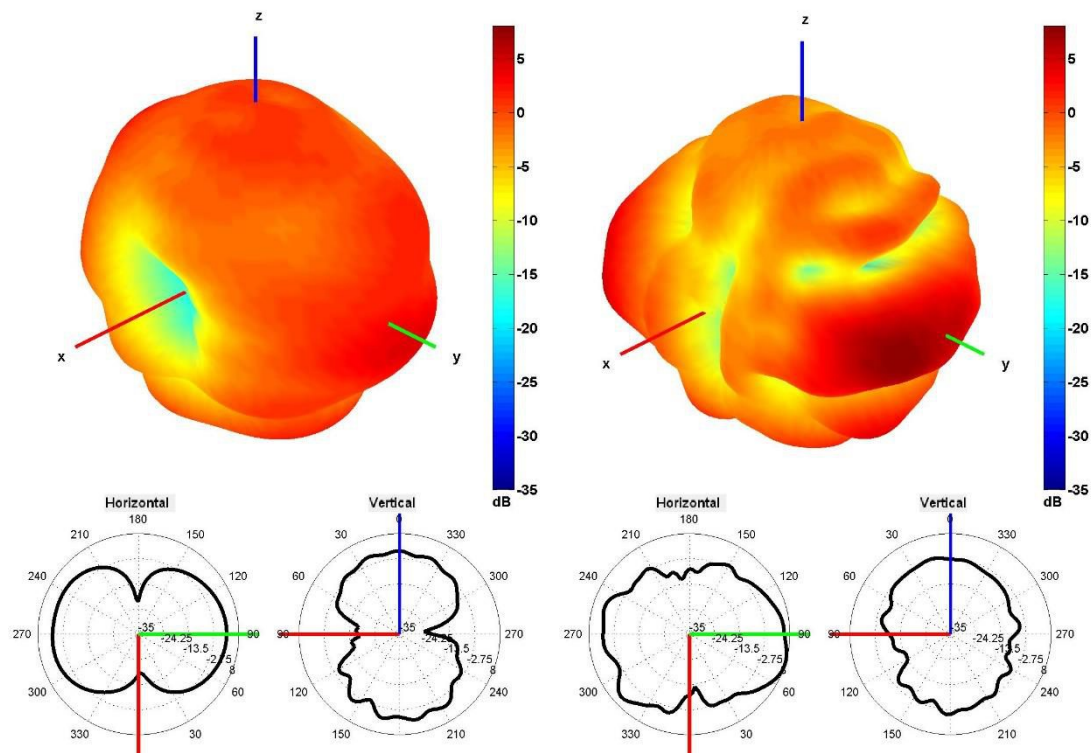
3. Antenna parameters



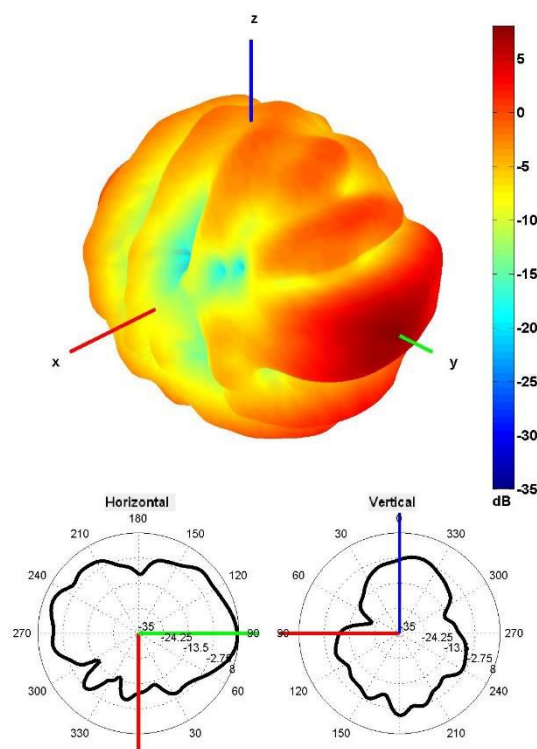




Radiation pattern reference

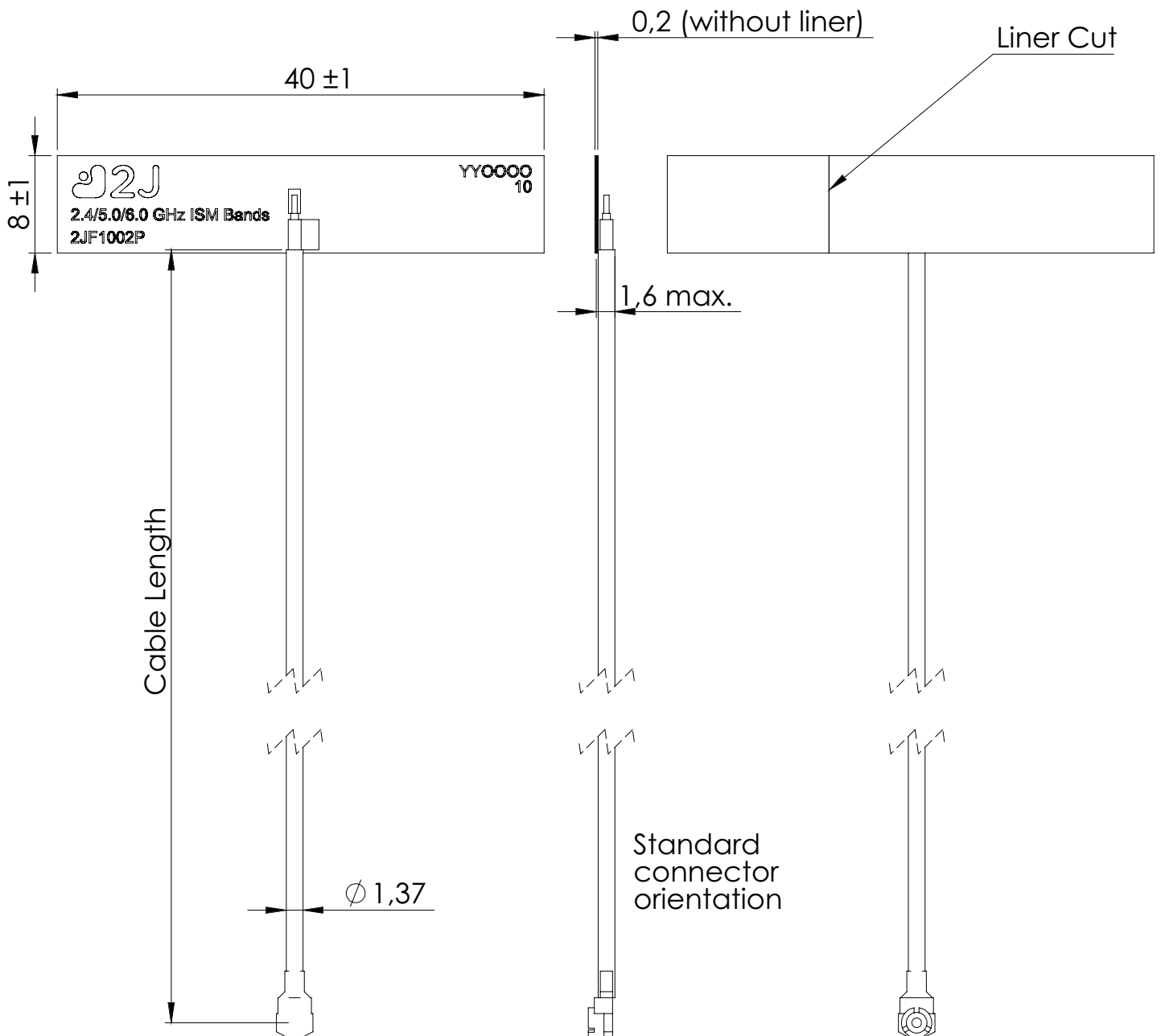


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

