

AMC-ANT-2JF0202P

2.4/5.0/6.0GHz flexible polymer antenna

Features

- 2.4/5.0/6.0GHz ISM
 - 2410 - 2490MHz
 - 4920 – 7125MHz
- Embedded antenna
- Wi-Fi 6E antenna
- High performance
- Ground plane independent
- Self-adhesive
- Dimensions: 30 x 30 x 0.2mm
- Customisable cable and connector



1. Antenna and electrical specifications

Parameters	2.4/5.0/6.0GHz antenna		
Standards	Wi-Fi 6E, Bluetooth, ZigBee, ISM		
Band (GHz)	2.4	5.0	6.0
Frequency (MHz)	2410 - 2490	4920 - 5925	5925 - 7125
Return Loss (dB)	~-20.2	-14.8	~-15.2
VSWR	~1.2:1	~1.5:1	~1.8:1
Efficiency (%)	~76.3	~74.7	~61.0
Peak Gain (dBi)	~4.4	~6.7	~5.0
Average Gain (dB)	~-1.2	~-1.3	~-1.4
Impedance (Ohms)	50		
Polarisation	Linear		
Radiation Pattern	Omni-directional		
Max. Input Power (W)	25		
Connector Type	U.FL standard (other connectors available)		
Cable Length	100mm standard (other lengths available)		
Cable Type	1.37mm mini coax standard (other cables available)		

Antenna measurement conditions:

Mounted on 30 x 30 x 0.25cm ABS plate

100mm 1.37mm cable

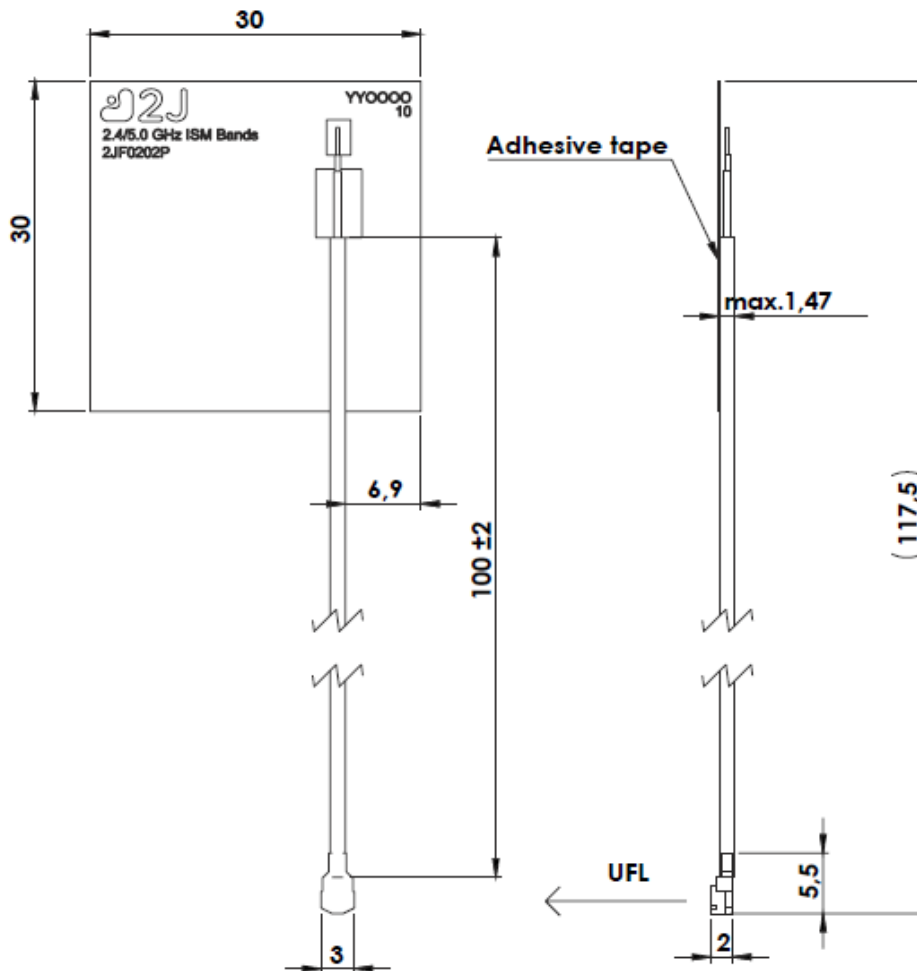
Measured in certified CTIA 3D anechoic chamber



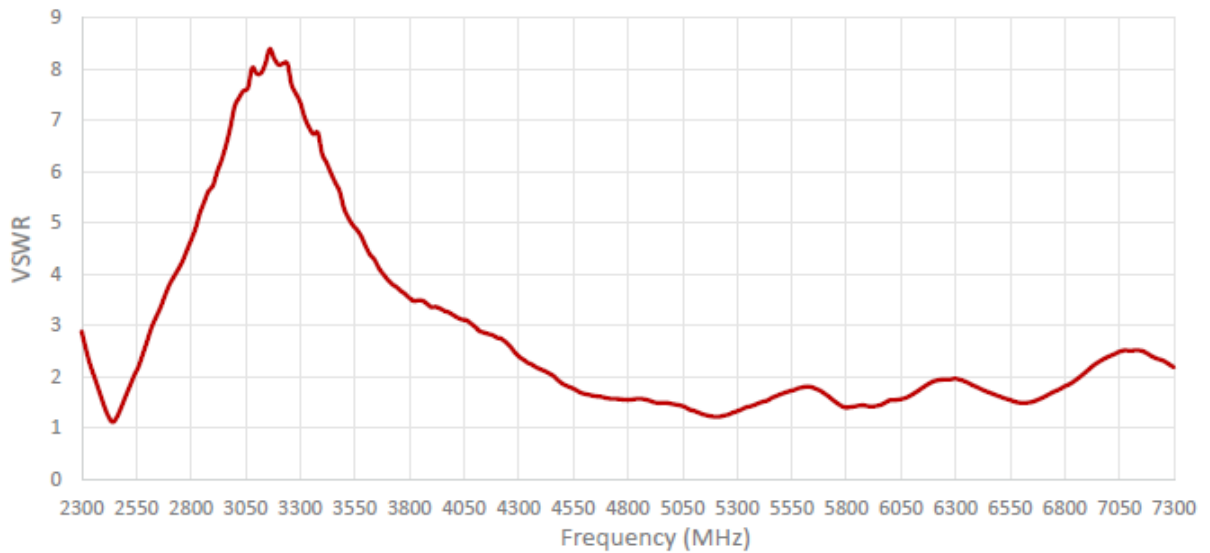
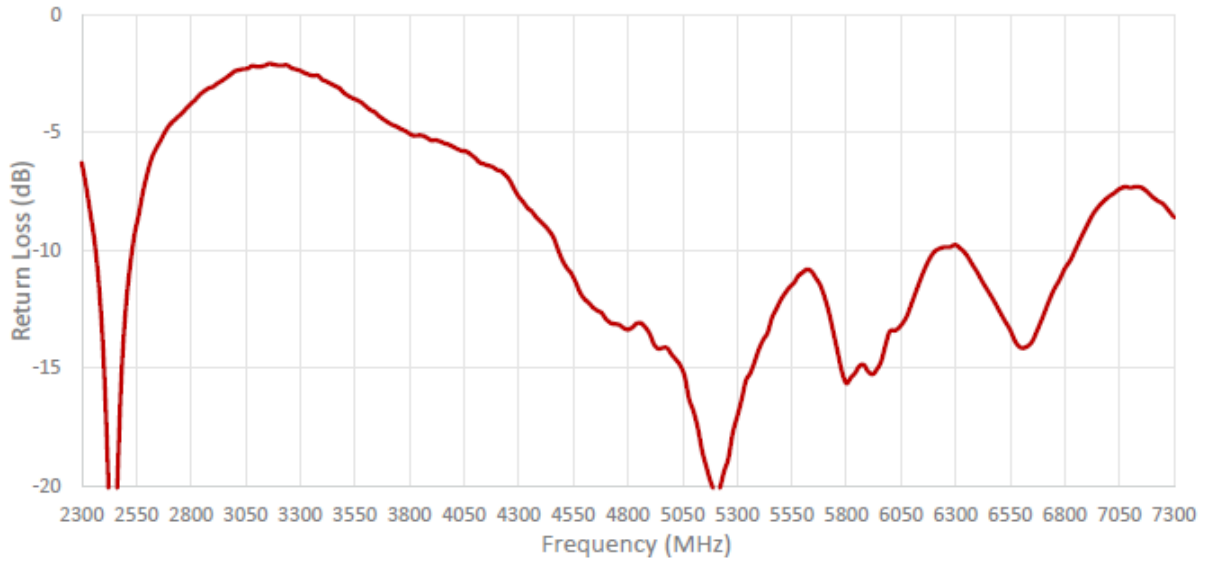
2. Mechanical and environmental specifications

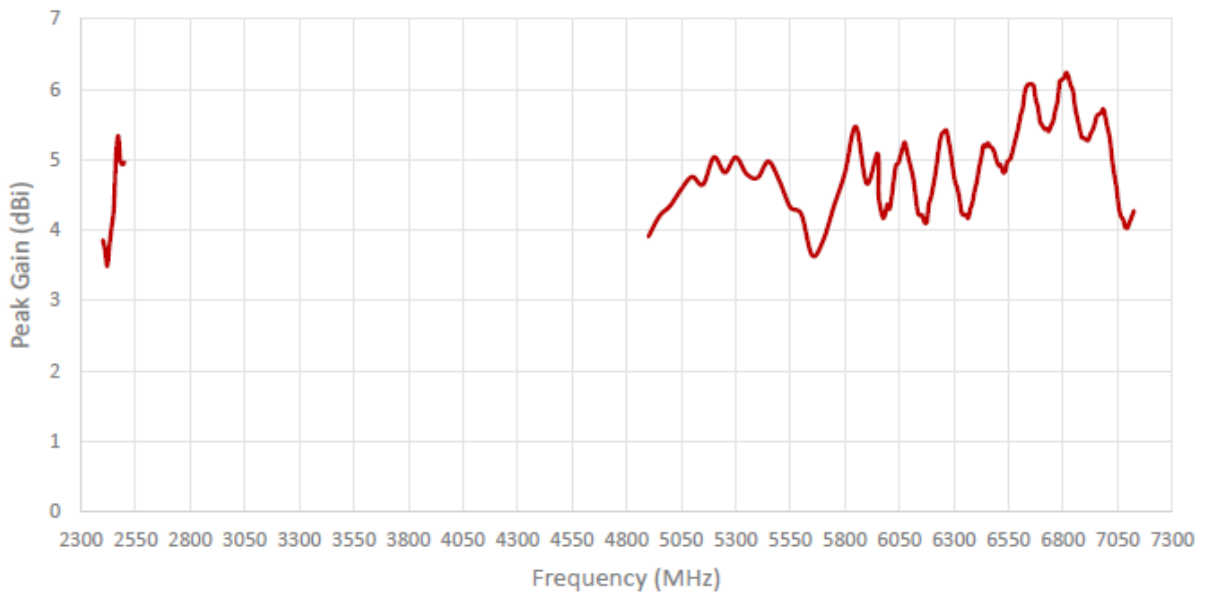
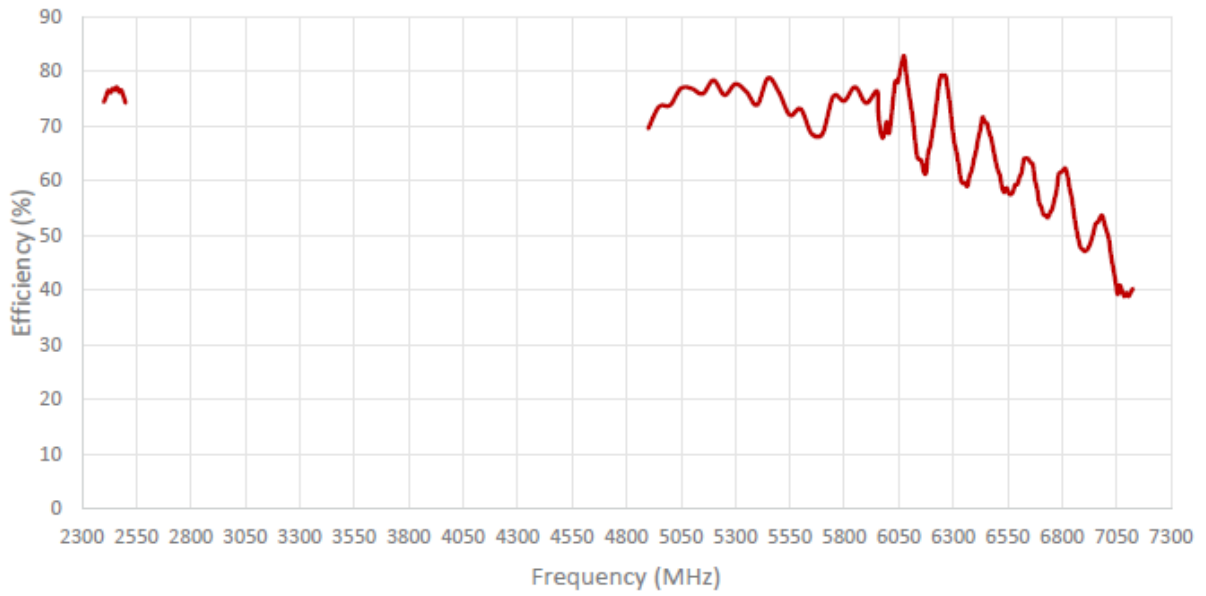
Mounting Type	Self-adhesive
Dimensions (mm)	30 x 30 x 0.2
Adhesive Type	3M 467
Material	Flexible polymer
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS

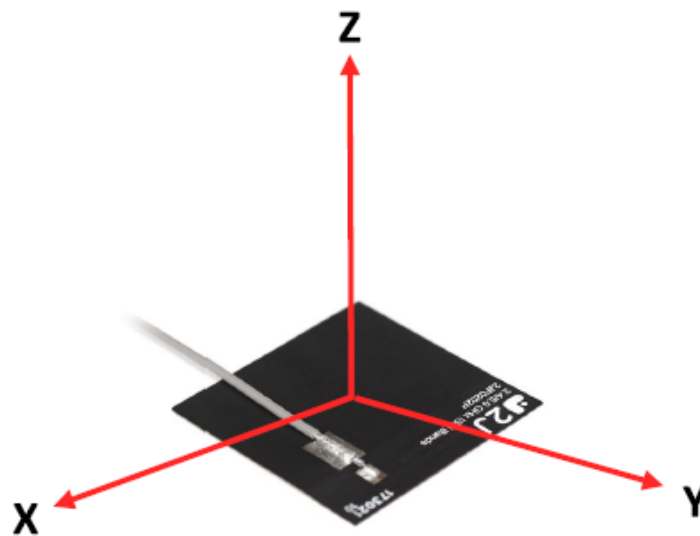
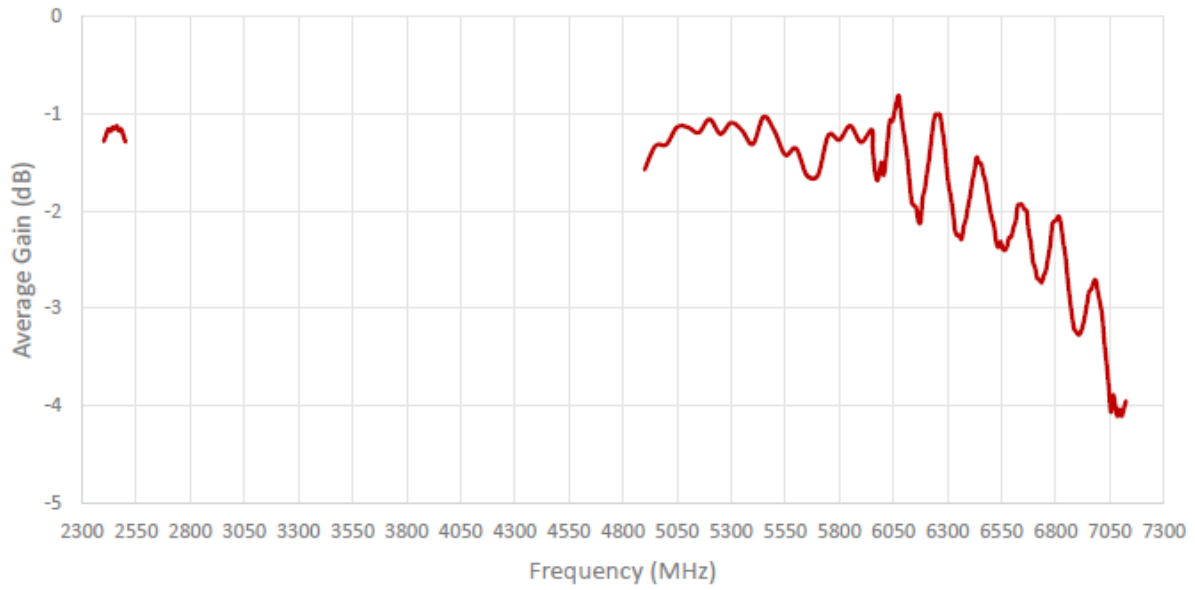
3. Antenna drawings



4. Antenna parameters

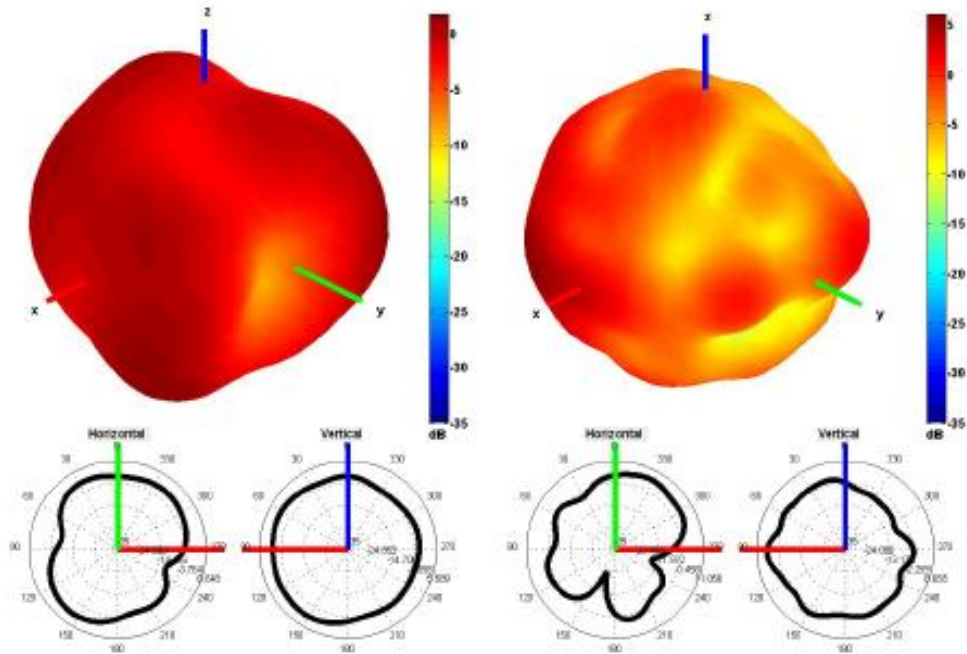




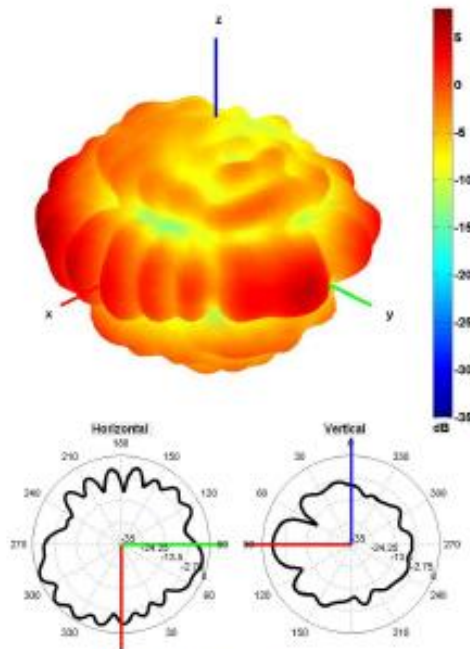


Radiation pattern reference





2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

