

# 2J Dual-Band WiFi Weatherproof Adhesive Antenna, 2410 to 5925 MHz

SKU: ANT-2J-00007

MPN: 2J4802P

## Description

The 2J Dual-Band WiFi Weatherproof Adhesive Antenna (SKU: ANT-2J-00007) offers reliable performance within the 2410 to 5925 MHz frequency range, making it ideal for various wireless communication applications. Tailored for automotive, marine, telematic, automation, and M2M markets, this adhesive patch antenna excels in versatility and durability.

Constructed from robust ABS plastic, this antenna is IP67 certified, providing excellent protection against harsh environmental conditions. It operates efficiently in temperatures ranging from -40 °C to 85 °C. The antenna features a single input port and a 1x RP-SMA male interface connected via a 300 mm L-100 cable, ensuring seamless connectivity.

This antenna supports a 50  $\Omega$  impedance and can handle up to 25 W of input power. It is linear polarised and covers multiple frequency bands including 2.4/5.0/6.0 GHz ISM. With a 360° azimuth beamwidth, the antenna delivers reliable RF performance...

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2J is a worldwide supplier of antenna solutions for Automotive, Marine, Telematic, Automation and M2M markets. 2J utilise a plethora of modern engineering tools, from network analysers and anechoic chambers, to simulation software and 3D printers. These tools help reduce design phases, and enable us to react to customers' needs promptly and efficiently.

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# RF Specification

## Cable 1: 2.4/5.0/6.0 GHz ISM

Start Frequency:	2410 MHz	Polarisation:	Linear
Stop Frequency:	7125 MHz	Input Impedance:	50
Max. Input Power:	25 W		

### RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	RP-SMA Male	Straight	L-100	3000 mm

### Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Avg. Gain	Efficiency
2410 MHz	2490 MHz	3.5 dBi	> 8.6 dB	< 2.3:1	360°	-3.7 dBi	42%
4920 MHz	5925 MHz	1.7 dBi	> 16.9 dB	< 1.5:1	360°	-6.1 dBi	25%
5925 MHz	7125 MHz	1.5 dBi	> 13.3 dB	< 1.7:1	360°	-6 dBi	25%

# Physical Specification

Subtype:	Adhesive Patch	Dimensions:	83 x 35 x 13.3
Input Ports:	1	Ingress Protection:	IP67
MIMO:	1x1 SISO	Materials:	ABS Plastic
Min. Operating Temperature:	-40 °C	Mounting:	Adhesive
Max. Operating Temperature:	85 °C	Compliance/Certifications:	RoHS

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