

# 2J 4G-5G Low Profile Magnetic Whip Antenna, 617 to 5925 MHz, SMA Male, 3m

SKU: ANT-2J-00038

MPN: S1304100729

## Description

The 2J 3G-5G Low Profile Magnetic Whip Antenna (SKU: ANT-2J-00038) is a versatile solution designed for broad telecommunication applications, offering coverage from 617 to 5925 MHz. Engineered with a robust build of brass and polypropylene, it delivers reliable performance across extreme temperatures ranging from -40 °C to 85 °C. This antenna is equipped with a single SMA Male connector and a 3-metre cable, ensuring easy integration into various systems.

With a linear polarisation and 50 Ω impedance, this whip antenna efficiently supports up to 35 W of input power. Its design caters to a wide range of applications including automotive, M2M, base stations, and embedded systems, making it ideal for both standard and custom installations. The antenna's omnidirectional azimuth beamwidth of 360° ensures comprehensive signal coverage.

2J, a Slovakian leader in antenna technology, provides innovative solutions for markets such as automotive...

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# RF Specification

## 5GNR Antenna

Start Frequency:	617 MHz	Polarisation:	Linear
Stop Frequency:	5925 MHz	Input Impedance:	50
Max. Input Power:	35 W		

## RF Connectors

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

## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Avg. Gain	Efficiency
617 MHz	960 MHz	1 dBi	> 11.5 dB	< 1.8:1	360°	-2.2 dBi	61%
1427 MHz	2690 MHz	2.9 dBi	> 10.4 dB	< 1.9:1	360°	-2.6 dBi	55%
3300 MHz	5000 MHz	2.5 dBi	> 7.4 dB	< 2.6:1	360°	-5.7 dBi	28%
5150 MHz	5925 MHz	-0.4 dBi	> 6.6 dB	< 2.8:1	360°	-6.4 dBi	23%

# Physical Specification

Subtype:	Whip	Dimensions:	31 x 109
Input Ports:	1	Materials:	Brass, Polypropylene (PP)
MIMO:	1x1 SISO	Compliance/Certifications:	RoHS
Min. Operating Temperature:	-40 °C		
Max. Operating Temperature:	85 °C		

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