

2J Blade 4G-5G WiFi Ultraband Hinged Antenna, 617 to 5925 MHz, SMA Male

SKU: ANT-2J-00001

MPN: 2JW1183-C952B

Description

Introducing the 2J Blade 4G-5G WiFi Ultraband Hinged Antenna (SKU: ANT-2J-00001), designed for robust performance across a wide frequency range from 617 MHz to 5925 MHz. Engineered with precision, this hinged terminal antenna features a compact design measuring 135 x 19 x 10 mm and is constructed from durable polycarbonate and ABS plastic. It operates effectively in harsh environments with a temperature range of -40 °C to 85 °C.

The antenna supports one SMA Male RF connection and delivers reliable performance with a 50 Ω impedance, handling up to 25 W input power.

Performance metrics include a peak gain of -1.1 dBi and radiated efficiency of 38% for 617-960 MHz, a peak gain of 0.5 dBi and 43% efficiency for 1427-2690 MHz, and a peak gain of 1.6 dBi with 42% efficiency for 5150-5925 MHz. The antenna is RoHS compliant, ensuring adherence to environmental standards.

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RF Specification

Start Frequency:	617 MHz	Polarisation:	Linear
Stop Frequency:	5925 MHz	Input Impedance:	50
Max. Input Power:	25 W		

RF Connectors

RF Interface	Body Shape
SMA Male	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Avg. Gain	Efficiency
617 MHz	960 MHz	-1.1 dBi	> 11.2 dB	< 2:1	360°	-4.3 dBi	38%
1427 MHz	2690 MHz	0.5 dBi	> 10.7 dB	< 2.6:1	360°	-3.8 dBi	43%
3300 MHz	5000 MHz	0.3 dBi	> 11.4 dB	< 2.3:1	360°	-4.6 dBi	35%
5150 MHz	5925 MHz	1.6 dBi	> 8.8 dB	< 2.1:1	360°	-3.8 dBi	42%

Physical Specification

Subtype:	Hinged Terminal	Dimensions:	135 x 19 x 10
Input Ports:	1	Materials:	ABS Plastic, Polycarbonate (PC)
MIMO:	1x1 SISO	Mounting:	Terminal / Device
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	RoHS
Max. Operating Temperature:	85 °C		

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