

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N5182A-506

The Keysight (Agilent) N5182A-506 MXG is a vector signal generator equipped with Option 506, extending its frequency range up to 6 GHz. Designed for fast and accurate RF test signal generation, it is ideal for cellular and ISM band communications testing including W-CDMA, cdma2000, WLAN, and WiMAX.

SPECIFICATIONS

Frequency

Minimum Frequency	100 kHz Hz
Maximum Frequency	6 GHz Hz
Frequency Resolution	0.01 Hz

Modulation

Modulation	AM, FM, Phase, Pulse, Digital I/Q (Vector)
Sweep Modes	Step, List
Pulse Modulation On/Off Ratio	> 80 dB (Option UNU/UNW dependent)

General

Interfaces	GPIB, LAN (LXI Class C), USB 2.0
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Physical

Dimensions (W×H×D)	426 × 88 × 432 mm mm
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Frequency Specifications

Frequency Switching Speed (Standard)	5 ms (SCPI mode & list mode)
Frequency Switching Speed (Option UNZ)	1.15 ms (SCPI) / 900 μs (List mode)

Vector / Digital Modulation

Supported Digital Communication Standards	W-CDMA, cdma2000, WLAN, WiMAX
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Connectivity and Interfaces

RF Output Connector Type	Type-N Female (50 Ω)
Reference Input Connector (10 MHz)	BNC Female
Reference Output Connector (10 MHz)	BNC Female

Output Power

Amplitude Resolution	0.01 dB
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Spectral Purity

Harmonics	< -30 dBc (CW mode)
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Output Details

Maximum Reverse Power (≤ 2 GHz)	50 W
Maximum DC Voltage	50 VDC

Environmental

Operating Temperature Range	0 to 55 °C
Storage Temperature Range	-40 to 70 °C
Operating Altitude	Up to 4,600 m (15,000 ft)

RF Protection

Maximum Reverse Power (> 2 GHz to 6 GHz)	25 W
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Power

Power Consumption	250 W maximum
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Compliance

LXI Compliance	LXI Class C
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TECHNOLOGY

RF Vector Signal Generation

APPLICATIONS

Wireless communications test, W-CDMA, cdma2000, WLAN, WiMAX, LO and clock substitution

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.