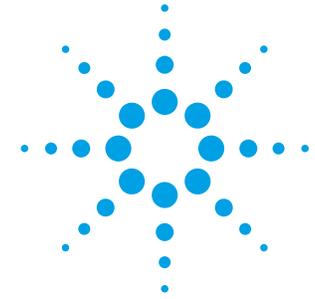


Agilent N5181AEP MXG RF Analog Signal Generator Express Configuration

Frequency ranges: 100 kHz to 1, 3 or 6 GHz



Our most popular product configurations: simpler, faster, more value!

Featuring high reliability and high power, all in two rack units (2RU), Agilent MXG analog is optimized to provide the accurate and repeatable reference signals needed from the R&D bench to the production line. MXG analog delivers the most value for your manufacturing investment by increasing throughput, maximizing uptime, and saving rack space. With scalable RF performance, the Agilent MXG analog is easily configured to meet your specific test needs, including LO and clock substitution, CW interferers, and modulated signals for analog communication systems such as AM, FM, and phase modulation.

The Agilent N5181AEP MXG analog RF signal generator express configuration provides excellent value and the fastest delivery of the most popular MXG configurations. Created to get necessary RF tools into your hands more quickly, the express configurations provide the performance of an MXG signal analyzer delivered RIGHT NOW. And as your needs change, you can quickly optimize your test with the MXG's additional options.

Ideal for:

- Component manufacturing test
- Installation and maintenance
- Depot and ATE test
- Education and research laboratories

Applications include:

- Power calibration
- LO substitution
- Blocker/interferer signals
- Transmitting source for antenna test

Available performance upgrades:

- High power (+23 dBm to 3 GHz)
- Pulse modulation

Benefits and features:

- **Throughput**
 - Fast SCPI-mode frequency and amplitude switching speed
- **Uptime**
 - Reliable design with few assemblies
 - 100% internal diagnostics
 - Self-service kits with pre-calibrated assemblies
- **Scalable performance**
 - Add performance options using license key downloads via LAN
- **Connectivity**
 - 100 bT LAN (LXI class B)
 - USB 2.0 connectors
 - GPIB interface



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Key specifications	
Frequency ranges	100 kHz to 1 GHz (N5181AEP-001) 100 kHz to 3 GHz (N5181AEP-002) 100 kHz to 6 GHz (N5181AEP-003)
Output power	+23 dBm (optional)
Frequency switching speed	5 ms (typical)
Phase noise (20 kHz offset at 1 GHz)	-121 dBc (typical)
Spurious	-54 dBc

Model	Description
N5181AEP-001	MXG express: frequency range from 100 kHz to 1 GHz with AM/FM/phase modulation (includes expanded license key upgradeability)
N5181AEP-002	MXG express: frequency range from 100 kHz to 3 GHz with AM/FM/phase modulation (includes expanded license key upgradeability)
N5181AEP-003	MXG express: frequency range from 100 kHz to 6 GHz with AM/FM/phase modulation (includes expanded license key upgradeability)

Options	Description
N5181AEP-1EA	High output power
N5181AEP-UNU	Pulse modulation

FREQUENCY	AMPLITUDE	F1/F2
6.000 000 000 00 GHz	10.00 dBm	F1/F2

Modulation Status Information					
Mod	State	Depth/Dev	Source	Rate	WaveForm
F1	OFF	0.1%	Internal	400.0Hz	Sine
F1	OFF	1.0000kHz	Internal	400.0Hz	Sine
F1	OFF	0.000rad	Internal	400.0Hz	Sine
Pulse	OFF	1.00us	Internal	2.00us	Free-Run



N5181AEP works with Agilent U2000 Series USB Power Sensors to provide high accuracy power measurements.

To find a distributor in your area, go to www.agilent.com/find/distributors

Recommended service options

Additional two years of **Return-to-Agilent warranty**
 Additional two years of **Return-to-Agilent calibrations**
 For more information, go to: www.agilent.com/find/removealldoubt

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