

# 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



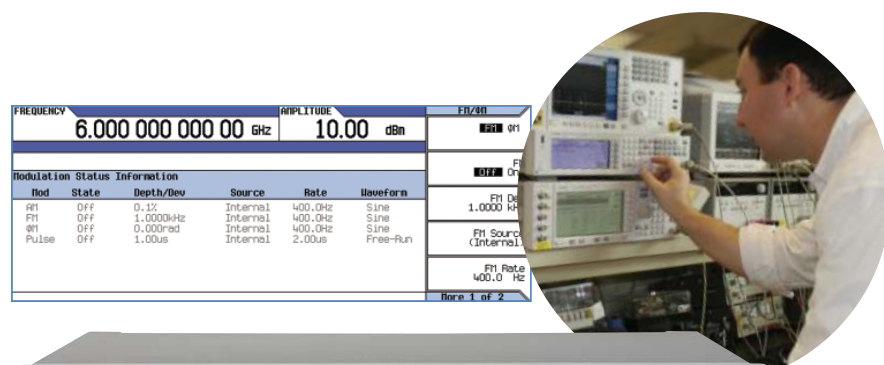
**Agilent Technologies**

## Agilent N5181AEP MXG RF Analog Signal Generator Express Configuration

| Key specifications                   |                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------|
| Frequency ranges                     | 100 kHz to 1 GHz (N5181AEP-001)<br>100 kHz to 3 GHz (N5181AEP-002)<br>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  |



*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](http://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](http://www.agilent.com/find/removealldoubt)

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