

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N9038A

The Keysight (Agilent) N9038A MXE is a high-performance EMI receiver and signal analyzer designed for full-compliance testing to CISPR and MIL-STD standards. Built on the X-Series platform, it provides outstanding accuracy, sensitivity, and repeatability to ensure equipment meets stringent electromagnetic compatibility (EMC) regulations, featuring a built-in preselector and comprehensive diagnostic tools.

SPECIFICATIONS

Frequency

Minimum Frequency	20 Hz Hz
Maximum Frequency	Up to 44 GHz (frequency-option dependent) Hz

General

Reference Oscillator	10 MHz
Interfaces	USB 2.0, LAN (1000Base-T), GPIB
Display	8.4-inch XGA color TFT LCD

Frequency Specifications

Frequency Range Options	20 Hz to 8.4 GHz (Opt 508), 26.5 GHz (Opt 526), 44 GHz (Opt 544)
EMI Resolution Bandwidths (CISPR)	200 Hz, 9 kHz, 120 kHz, 1 MHz
EMI Resolution Bandwidths (MIL-STD)	10 Hz, 100 Hz, 1 kHz, 10 kHz, 100 kHz, 1 MHz
Resolution Bandwidth (RBW)	1 Hz to 3 MHz (10% steps), 4, 5, 6, 8 MHz

Dynamic Range and Noise

Preselector	Built-in preselection filters up to maximum frequency
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Sweep and Detectors

EMI Detectors (CISPR)	Peak, Quasi-Peak, EMI Average, RMS Average
Standard Detectors	Normal, Peak, Sample, Negative Peak, Log Power Average, RMS Average, Voltage Average

Software and Configuration Options

Time Domain Scan Option	Available (Option TDS)
Measurement Applications	EMI Receiver, Spectrum Analyzer (built-in)

Front and Rear Panel Interfaces

RF Input Connector (8.4 GHz Option)	Type-N (female), 50 ohms
RF Input Connector (26.5 GHz Option)	3.5 mm (male), 50 ohms
RF Input Connector (44 GHz Option)	2.4 mm (male), 50 ohms
10 MHz Reference Input	BNC (female)
10 MHz Reference Output	BNC (female)
External Trigger Input	BNC (female)
Trigger Output	BNC (female)
LAN (Ethernet) Port	1000Base-T LAN
USB Host Ports	USB 2.0 Type-A
USB Device Port	USB 2.0 Type-B
GPIO (IEEE-488) Interface	Standard

Physical and Power

Display Resolution	1024 x 768 pixels (XGA)
Power Requirements (Voltage/Frequency)	100 to 240 VAC, 50/60 Hz

TECHNOLOGY

EMI Receiver / Signal Analyzer

APPLICATIONS

EMC Compliance Testing

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