

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N5244B

The Keysight N5244B PNA-X Microwave Network Analyzer is a premier integrated microwave test engine designed for active device characterization and vector network analysis. Supporting a frequency range from 10 MHz to 43.5 GHz with options for 2 or 4 ports, the N5244B integrates two internal RF sources, a signal combiner, pulse generators, modulators, and noise figure hardware. This highly configurable architecture delivers outstanding accuracy and dynamic range for testing amplifiers, mixers, frequency converters, and advanced multi-port devices.

SPECIFICATIONS

Frequency & Sweep Specifications

Frequency Range	10 MHz to 43.5 GHz
Number of Test Ports	2 or 4 ports (configuration dependent)
Frequency Resolution	1 Hz
Maximum Number of Measurement Points	100,001 per trace

Measurement Capabilities & Applications

Supported S-Parameters	S11 through S22 (2-port), S11 through S44 (4-port)
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Connectivity & Front/Rear Panel Interfaces

Test Port Connector Type	2.4 mm male (50 ohm)
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Performance

Test Port Impedance	50 Ω (nominal)
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User Interface

Display Touchscreen Type	Capacitive multi-touch
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Bias Tees

Bias Tee Maximum Current	500 mA
Bias Tee Maximum Voltage	40 VDC

Rear Panel Connections

Trigger Input Connector	BNC female
Trigger Output Connector	BNC female

TECHNOLOGY

Vector Network Analysis

APPLICATIONS

Active device characterization, mixer/converter measurements, amplifier test, and high-frequency microwave network analysis

