

Agilent Microwave Network Analyzer's Outstanding Performance Now Extends to 67 GHz

Agilent's E8361A PNA is the latest addition to the high-performance microwave PNA Series of network analyzers. The E8361A extends the PNA's unsurpassed combination of high dynamic range, low trace noise, fast sweep speeds and outstanding connectivity to 67 GHz — enabling you to deliver leading-edge microwave and millimeter-wave devices.



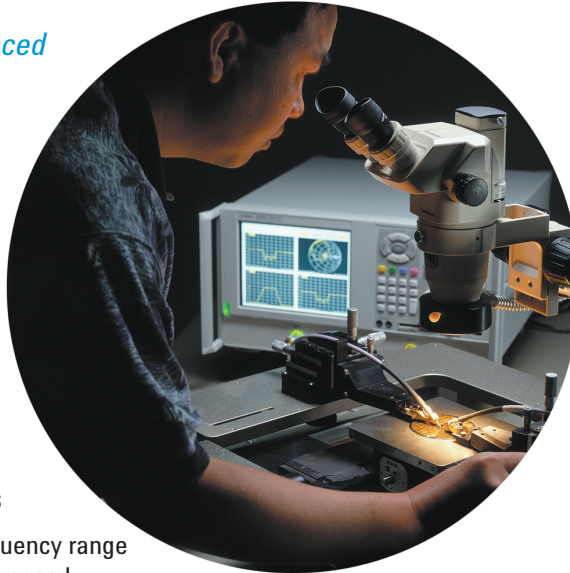
E8361A PNA Series microwave network analyzer 45 MHz to 67 GHz

- > 90 dB dynamic range to better characterize advanced devices.
- Reduce the time and money spent in your R&D lifecycle. The PNA's connectivity to design software, such as ADS and ICCAP, enables you to quickly compare measurement and simulation data to refine your designs.
- Save critical manufacturing time by performing basic measurement troubleshooting remotely. Internet-enabled diagnostic tools provide your measurement experts access to your instruments worldwide, anytime.
- Simplify your test environment. The PNA's open Windows® operating system provides the flexibility to execute automation programs from the network analyzer or an external PC.



Agilent Technologies

*Extending the PNA's industry-leading performance,
accuracy, and stability up to 67 GHz
to test today's advanced
components*



E8361A key features

- 45 MHz to 67 GHz frequency range
- <26 μ sec/point sweep speed
- integrated two-port test set
- 16 measurement channels with 4 traces per channel
- calibration
 - TRL/LRM (four-receiver enabled)
 - adapter removal
 - mixed connector
 - power meter

Preliminary specifications¹

Frequency range	System dynamic range ² (dB)	Maximum output power (dBm)	Noise floor ³ (dBm)
20 to 30 GHz	> 105	> -5	-110
30 to 40 GHz	> 98	> -8	-106
40 to 65 GHz	> 91	> -9	-100

Frequency range	Trace noise magnitude ⁴ (dB)	Trace noise phase ⁴ (deg)
20 to 50 GHz	0.025	0.1
50 to 65 GHz	0.03	0.12

1. Preliminary specifications subject to change. Final specifications will be provided up from 45 MHz to 65 GHz.
2. Measured at test port in a 10 Hz IF bandwidth.
3. Measured using 10 Hz IF bandwidth.
4. Measured using 1 kHz IF bandwidth.

Windows® is a U.S. registered trademark of Microsoft Corporation

Information resources

For more information on the E8361A PNA, as well as a limited-time promotional offer, visit: www.agilent.com/find/pna

The Agilent E8361A microwave PNA network analyzer is expected to be orderable on October 1, 2002.



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