

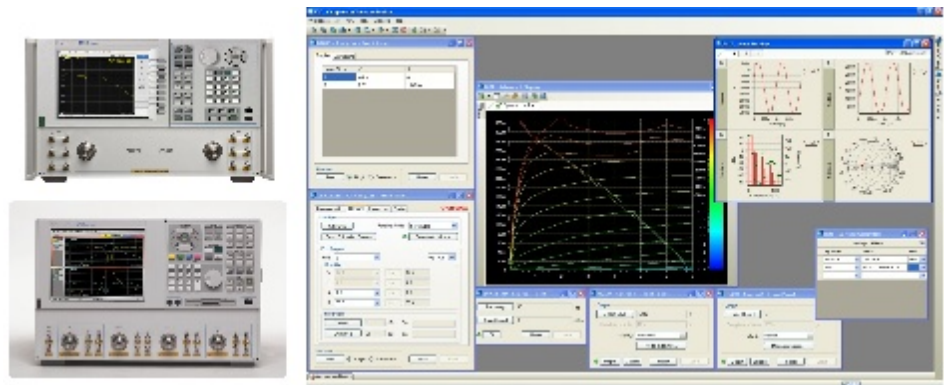
# Extension Kit for Agilent Vector Network Analysers

## KEY Benefits

- ONE CONNECTION from small-signal to large-signal HF characterisation
- Reliability testing of semiconductors under HF conditions
- Certified quality of large – signal transistor models and design kits
- Improved large-signal models
- Better and faster amplifier characterisation and design
- Fast and complete test capability, even in non-50 Ohm environment
- New insight in diodes, transistors, amplifiers, multipliers and dividers
- Customisation by experts to meet the need of the customer

## Accurate characterisation of nonlinear RF and HF components in time and frequency domain

Available for selected 2-port and 4-port Agilent Vector Network Analysers, the NMDG extension kits are aimed at the accurate characterisation of the nonlinear harmonic behaviour of active RF and HF components in time- and frequency-domain, possibly in a non-50 Ohm environment.



The combination of the PNA and NMDG's extension kit is referred to as "PNAPlus". Thanks to NMDG's high expertise, customisation is offered to meet the customer needs, e.g. for power applications.

## KEY Capabilities

- True nonlinear harmonic behaviour, including phase information
- Connectorised and on-wafer calibration and measurement
- Accurate time-domain waveforms, e.g. waves, voltages and currents
- Overrange detection and autoranging capability
- Realistic non-50 Ohm conditions, at fundamental and harmonics
- 3D Dynamic loadline, mapping DC and HF conditions

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