Anritsu’s ShockLine Family of Vector Network Analyzers (VNA) is a series of six VNA models (with 18 products to choose from) that provide a broad range of solutions to meet your unique performance, application, and budgetary needs. Whether you are looking for an economical, portable 1-port solution or a full-featured solution that delivers best-in-class performance, the ShockLine family of VNAs provides you with:

- **Simplicity**: compact, durable, and ready-to-use right out of the box
- **Economy**: wide frequency range across the family of solutions with fast test times for optimal throughput in automated and manual test applications
- **Great performance**: fast measurement speeds with high dynamic range, excellent corrected directivity and minimal drift reduces measurement uncertainty and smaller guard bands for improved yield in production
- **World-class customer support**: 3-year warranty provides the support and service when you need it.

Anritsu’s modern architecture employs the patented nonlinear transmission line (NLLT) shockline technology, which enables high-frequency measurements at an economical cost.

### High Performance
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### Selection Guide

- **Price / Performance**
- **Functionality**
- **Economy**
- **Performance**
- **High Performance**
- **Handhelds**
- **VectorStar (MS464xB)**
- **ShockLine (MS4652xB)**
- **ShockLine (MS46521B)**
- **ShockLine (MS46522B)**
- **ShockLine (MS46413A)**
- **ShockLine (MS46412B)**

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The right solution for your frequency or port requirements. ShockLine VNAs provide 1-, 2-, and 4-port solutions that cover a broad range of frequencies. Wide band models are available that cover frequencies as low as 50 kHz to as high as 43.5 GHz. The MS46522B 2-port Performance VNA is also available in two banded versions, covering the extended E-band frequencies from 55 GHz to 92 GHz.

With a robust set of capabilities, the ShockLine family of VNAs are a simple and economical solution for manufacturing, engineering labs/R&D, mil/aero, and universities looking to perform measurements on passive RF and microwave devices.

VNA Frequency Guide

MS46522B
- 2-port Performance VNA
- 50 kHz to 8.5/20/43.5 GHz and E-band N(f) and K(m) connectors
- WR12 waveguide

MS46121B
- 1-port USB VNA
- 150 kHz to 6 GHz N(f) connector

MS46122B
- 2-port USB VNA
- 1 MHz to 8/20/43.5 GHz N(f) and K(m) connectors

MS46524B
- 4-port Performance VNA
- 50 kHz to 8.5/20/43.5 GHz N(f) and K(m) connectors

MS46322B
- 2-port Economy VNA
- 1 MHz to 8/20/43.5 GHz N(f) and K(m) connectors

VNA Port Count Guide

1-Port Model | 2-Port Models | 2- and 4-Port Models
---|---|---
**MS46121B**
- Control up to 16 MS46121B VNAs per PC

**MS46522B**
- Modular configurability for up to two MS46131A VNAs per PC

**VectorStar (MS464xB)**
- Modifiers

**MS46131A**
- Modular configurability for up to two MS46131A VNAs per PC

**MS46524B**
- Modular configurability for up to two MS46131A VNAs per PC

**MS46322B**
- Handhelds

**MS46522B**
- Multiport S-parameter measurements
- Time domain, signal integrity, OTA applications
- Variable port output power control
- Source per port (standard)
- Optional bias tees (8.5 GHz model only)

With a robust set of capabilities, the ShockLine family of VNAs are a simple and economical solution for manufacturing, engineering labs/R&D, mil/aero, and universities looking to perform measurements on passive RF and microwave devices.

VNA Capabilities Guide

- Control up to 16 MS46121B VNAs per PC

- Control up to 16 MS46522B VNAs per PC

- Modular configurability for up to two MS46131A VNAs per PC