

Anritsu Advancing beyond

Simultaneous Sweep

Unlock New Test Efficiency with Anritsu MS46131A VNAs



Overview

The Anritsu MS46131A is the world's first 1-port USB Vector Network Analyzer (VNA) capable of measurements up to 43.5 GHz. Compact, portable, and high-performance, it delivers lab-grade results in both R&D and production settings.

What's New?

Anritsu's new Simultaneous Sweep feature enables multiple MS46131A 1-port VNAs to operate in parallel—each in its own instance of the ShockLine software. This eliminates shared configuration constraints and allows independent, concurrent sweeps across up to four units.

Why it Matters

- **Test Faster:** Dramatically reduce overall test time in multi-device or multi-port scenarios
- **Customize Freely:** Set individual parameters per VNA instance
- **Scale Easily:** Add MS46131As as needed up to four without re-architecting
- **Lab or Line Ready:** Fits both R&D benches and production racks

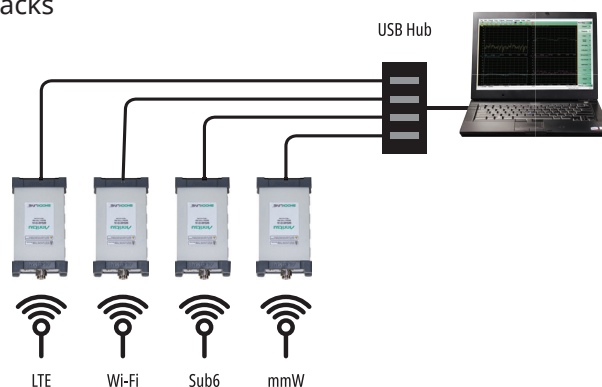
Key Capabilities

- Independent Configuration of each VNA
- Scripting & Automation support via SCPI over TCPI/IP (Python, Labview, Matlab)
- External Trigger support enabling synchronized sweep timing across VNAs
- Easily add more instruments (up to four) to scale with production needs

Use Case Examples

- **Multi-Antenna Testing:** Simultaneously characterize multiple antennas
- **Phased Array Testing:** Characterize multiple elements in parallel
- **Multi-port RF Device Validation:** Test all ports simultaneously

Upgrade Path: Add software and hardware options to two MS46131As to transform them into a fully reversing ME7869A PhaseLync 2-port VNA





Specifications are subject to change without notice.

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