Keysight Technologies
Nemo FSR1

Modular Digital Scanning Receiver

Keysight Technologies, Inc. Nemo FSR1 is a revolutionary modular digital scanning receiver that provides accurate, reliable high-speed RF measurements of wireless networks across multiple bands and technologies.

Anite is now part of **Keysight Technologies**

KEYSIGHT TECHNOLOGIES

Unlocking Measurement Insights

Evolves as the Wireless Technology Evolves

The industry's first modular scanning receiver Nemo FSR1 is a revolutionary solution that evolves as the wireless technology evolves. Our design separates the RF from the signal processing by utilizing field replaceable RF down converters. When a new band or band combination is needed, simply install a second down converter. With the currently available down converters all the standard frequency bands are supported. When it is time for calibration, use a spare down converter and keep your scanner in service with zero down time. When a new technology is adopted, the scanner is ready with a simple flash to add support for that technology. Simply the most cost-effective, high-performance scanning solution you can buy.

Technology-Independent and Field Upgradeable Down Converters

Nemo FSR1 digital scanning receiver is field upgradeable which makes it ideal for complex, multi-band, multi-technology measurement environments. The down converters are technology independent, so any licensed technology will work on all enabled bands. All RF calibration data is contained onboard the down converter, permitting advanced and flexible calibration independently from the scanner and swapping and sharing down converters between scanners. Calibration check performed at power-up issues a warning if the down converter is either out of calibration or approaching it, thus minimizing the risk of scanner down time.

Features

- Features two plug-in modular RF down converters available in many frequency band configurations.
- Supports up to 21 bands in a single receiver.
- Supports GSM, CDMA, EVDO, WCDMA, TD-SCDMA, and LTE.
- Field upgradeable design enables the easy adding of additional bands and technologies.
- Compact size and low power consumption
- Scanning modes:
  - Band (blind) scan
  - Spectrum analysis and narrowband RSSI measurements
  - Simultaneous RSSI and pilot scanning
  - GSM co-channel
  - WCDMA/LTE pilot pollution and cross-feeder analysis

www.keysight.com/find/nemo

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