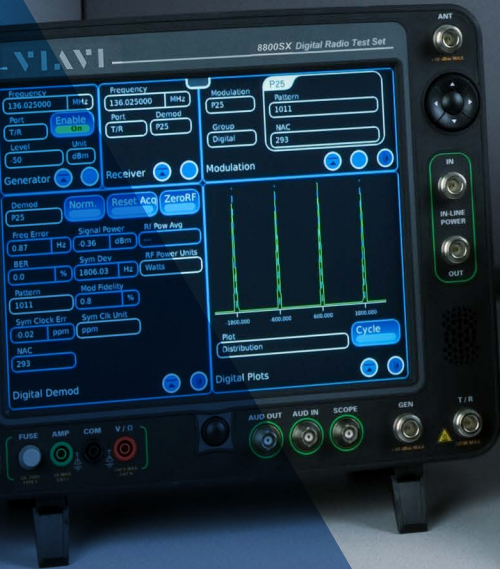


VIAVI

VIAVI Solutions



Brochure

VIAVI Land Mobile Radio Test Systems

3920B Series Radio Test Platform



The 3920B is the most advanced radio test solution from VIAVI for engineering, production and field service applications. It features a low phase noise RF signal generator for performing receiver testing required on critical communication radios. The instrument supplies a comprehensive range of general-purpose analog measurement facilities as well as advanced digital test options. The 3920B has the largest library of OEM-Approved Auto-Test Applications on the market: this feature allows you to automatically test and align a radio in as little as 5 minutes. VIAVI works directly with radio manufacturers to ensure that the Auto-Test Applications precisely follow the manufacturer's test and alignment procedures.

Features and Benefits

- Up to 2.7 GHz frequency range
- High performance AM / FM / SSB analog duplex test capabilities
- Sensitive receiver with built-in pre-amp for off air measurements
- -140 dBm (typical) DANL spectrum analyzer with eight markers
- Dual-Channel oscilloscope to 4 MHz
- Full audio analysis for AF level, frequency, SINAD, and distortion measurements
- Three high accuracy audio modulators / function generators
- Three high accuracy audio baseband generators
- Tone encode and decode functionality including DTMF, DCS, tone remote, 2-tone sequential, and 5/6-tone
- RF signal generator phase noise specification of -110 dBc / Hz at 10 kHz offset
- Includes optional test capabilities, digital personalities, and supports a number of the most popular radios in the industry with our Auto-Test and Alignment capability
- Saved setups make radio testing quick and repeatable
- Features easy-to-read meters with Pass / Fail color coding for instant Go / No-Go testing

Technologies

- P25, P25 Phase 2, DMR (MOTOTRBO™), NXDN™, TETRA, and dPMR

8800SX Digital Radio Test Set



The 8800SX supports all modern land mobile radio technologies. This hybrid portable test instrument is ideal for both bench and field use with its internal swappable battery that has up to 3 hours of battery life. The 8800SX provides fast VSWR and return loss plots for field analysis of antennas, duplexers, and combiners. These accurate distance to fault measurements are useful for locating problems in cables used in vehicles and at infrastructure sites. These features, along with advanced automated test and alignment, make the 8800SX the most versatile portable radio test set on the market today.

Features and Benefits

- Industry's largest color touchscreen display simplifies operation and provides a flexible user interface
- Power accuracy in the 8800SX rivals industry standard test equipment
- Advanced automated test and alignment functionality for most of the radios in the market
- Multi-language support includes Simplified and Traditional Chinese, Spanish, Portuguese, Malay / Indonesian, Korean, Arabic, Polish, Russian, Japanese, German, French, and Italian
- Indoor signal coverage testing using TRX Systems NEON® Signal Mapper Application
- Infrastructure testing with Wideband RF Power Sensor

Technologies

- P25, P25 Phase 2, DMR (MOTOTRBO), NXDN, TETRA, dPMR, and Positive Train Control

3550R Radio Test System



The 3550R is a truly handheld touchscreen radio test system. The 3550R takes testing to the next level with its easy to use, integrated test system for complete radio receiver and transmitter performance testing, cable fault, and antenna system analysis. With its ultra-responsive resistive touchscreen, the 3550R will meet the needs of users that require the test set to operate under all conditions, whether on the bench or in the field. Perfect for cold or wet weather applications, the 3550R also features a wider operating range of -20°C to $+55^{\circ}\text{C}$ and MIL-PRF-28800F Class 2 specification for toughness in extreme conditions.

Features and Benefits

- Customizable user interface allows you to define your own test screens and save for future use
- Internal battery provides 4.5 hours of true portability on one charge
- Super light magnesium alloy – 8.3 lbs / 3.75 kg weight, almost half the weight of competitive units
- 0° to 50°C operating range
- 0.15 ppm timebase with exclusive “Freq-Flex” external frequency reference
- Fast VSWR and return loss plots for field analysis of antennas, duplexers and combiners
- Accurate distance to fault measurements for locating issues in cables
- Multi-language support includes Arabic, Simplified and Traditional Chinese, Malay / Indonesian, Spanish, Portuguese, Korean, Japanese, German, French, Polish, and Russian
- Indoor signal coverage testing using TRX Systems NEON Signal Mapper Application
- Infrastructure testing with optional Wideband RF Power Sensor

Technologies

- P25, DMR (MOTOTRBO), NXDN, TETRA, dPMR, and Positive Train Control



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