

Keysight and 3dB Labs Signal Monitoring and Analysis Solution

Interoperable Measurement and Software Intelligence

Rugged and Portable for RF Field Testing

FieldFox handheld analyzers deliver rugged, all-in-one RF field testing for system installation, verification, and maintenance, anywhere the job takes you. Designed for high-frequency measurements beyond the lab, FieldFox combines spectrum analysis, vector network analysis, power measurements, and signal generation in a single portable platform built to support advanced, software-driven workflows in the field. With lab-grade accuracy and flexible, license-based upgrades, FieldFox provides a scalable foundation for confident field troubleshooting, enabling deeper insight when paired with complementary analysis solutions.

FieldFox D-Series Handheld Analyzers

Designed for advanced RF analysis in demanding environments, FieldFox D-Series handheld analyzers deliver wide frequency coverage, real-time bandwidth, and gapless IQ streaming to support complex field measurement and signal analysis workflows.

Specifications

Max frequencies (GHz)	14/18/26.5/32/44/50/54 (N991x/3xD, N995x/6xD)
SA: DANL	-163 dBm @ 1 GHz; -160 dBm @ 5 GHz; -151 dBm @ 40 GHz
SA: Phase noise	-117 dBm @ 1 GHz, 10 kHz offset, -113 dBc for 5x/6xD
SA: TOI	+11 dBm @ 2 GHz
IQ/RTSA: Streaming bandwidth	40 MHz/120 MHz
IQ streaming interface	SFP+/10GE, 1GE
VNA: Dynamic range	116 dB Freq < 16 GHz; 110 dB @ 40 GHz
VNA: Max output power	+9 dBm @ 1 GHz for N991xD, -3 dBm @ 40 GHz for N995xD
Analog signal generator	Pulse, Chirp pulse, AM/FM on pulse, pulse sequences AM/FM/ASK/FSK/BPSK
Ports	USB C, SFP+ x2, Ref in, Ref out, trigger in, trigger out, DC out, IF out, SD card
Display and OS	On screen, touch keyboard; Linux embeddes OS

SCEPTRE Software – Reveal the Unknown

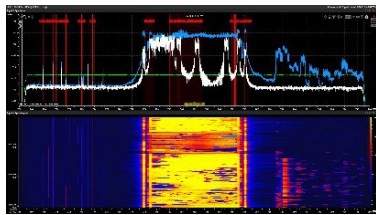


As the forefront of signal processing and analysis, SCEPTRE® software enables teams to quickly identify and locate anomalous signals across multiple domains. Built for real-time and offline spectrum and temporal analysis, SCEPTRE supports a variety of software-defined radios, enabling advanced signal discovery through remote spectrum operations, precision geolocation, and multi-discipline analysis.

Sceptre Capabilities

Spectrum Masking & New Energy Detection

Automatic mask creation facilitates detection of new or unknown signals



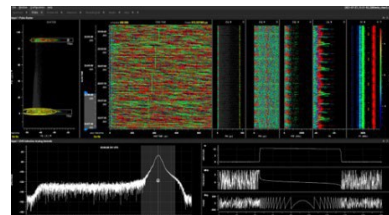
Push to Talk

Detect and decode FM, DMR, P25 phase 1 and 2, NXDN, TETRA



Radar

Advanced PDW parameterization, de-interleaving, clustering, and database correlation



Monarch Capabilities

Monarch Laptop 10G



- Optimized Sceptre Performance: Custom-built and rigorously tested, every MONARCH-LT ensures the highest, most reliable Sceptre performance ready to go.
- Full Band Processing and Archival of FieldFox D 120 MHz IQ Stream
- Includes SCEPTRE-10G and 10GbE adapters for interfacing directly with the FieldFox D

As a mission-critical design enablement partner, Keysight connects design, emulation, and test so customers can solve the world's most complex engineering challenges. Accelerate innovation at www.keysight.com.



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