



MESA™ Mobility Enhanced Spectrum Analyzer



Portable Spectrum Analyzer

The MESA™ is a portable, handheld RF receiver that detects known, unknown, illegal, disruptive, or interfering transmissions. MESA™ has the portability and operational features not found on other spectrum analyzers. It provides tools, specifications and design features for locating unknown signals throughout a wide frequency range up to 6 GHz (12 GHz with the Down Converter antenna). MESA™ has a new *Patent Pending* SmartBars™ operational mode that displays signal activity in a bar graph.

Efficiency: MESA™ is easy to set up and puts sweep data at your fingertips with user friendly navigation. Auto antenna recognition makes changing antennas a snap.

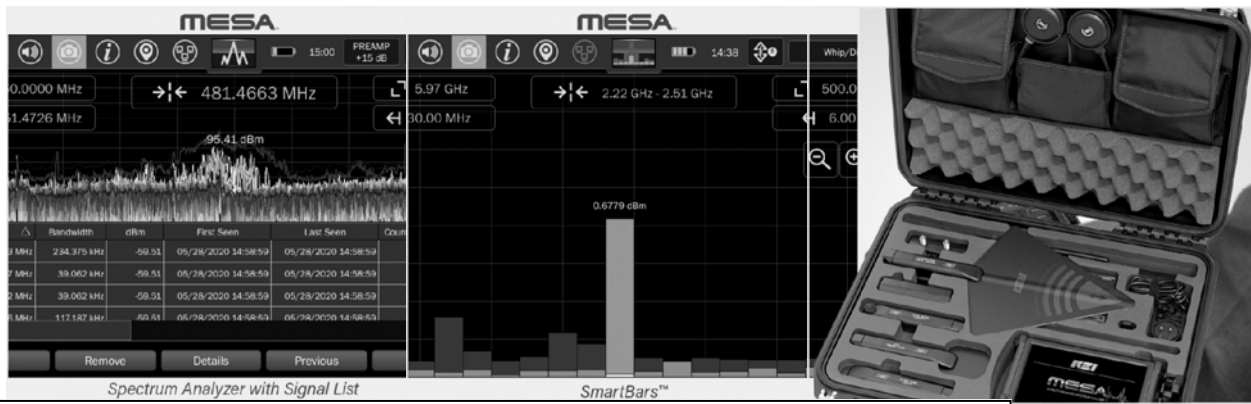
Usability: Full touchscreen control provides quick access to Spectrum, WiFi, Bluetooth®, Mobile Bands, and SmartBars™ modes.

Portability: Portable, handheld unit can sweep target areas using a full selection of fixed, bracket mounted, and hand held antennas/probes.

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Images & Video



MESA Overview



Features & Applications

Features

- MESA™ displays a full range of frequency data to 6GHz (12GHz with the Down Converter)
- Sweep modes:
 - **Spectrum Analyzer:** zoom, screen lock, frequency span, start/stop frequencies, resolution
 - **SmartBars™:** displays new or increased RF energy in a bar graph
 - **Mobile Bands:** displays RF in specific bands (i.e. Wifi, GSM, etc.)

- **WiFi:** displays nearby access points and relative signal strength
- **Bluetooth®:** displays nearby pairing activity
- Display Features: Persistence, Raster Waterfall, Spectral Power Histogram (RSSI), Peak
- Display & Controls: 7in/18cm capacitive touch screen with brightness and zoom control
- MCP (Multi-Carrier Probe): Carrier Current, Visible Light/IR, Ultrasonic, Audio Transformer
- Antenna Probe Recognition automatically detects REI antennas/probes and adjusts display
- Audio Demodulation: AM/FM
- Alerts: haptic, audible, and visible
- Remote Access: Ethernet port for VNC remote access
- Signal List Generation: Manual or automatic depending on mode
- GPS: Removable USB, captures and saves GPS data
- Audio: Built-in speaker and external headphones with adjustable volume control.
- Microphone port for Acoustic Leakage Probe and Audio Transformer
- Data Ports: 2 USB 2.0 Type A ports for software upgrades, file storage, file transfer

Applications

- Detect RF WiFi, Bluetooth®, cell phones, illicit transmissions
- Interference detection & troubleshooting
- RF research and development
- Wireless industry developers
- Intelligence protection
- Communications Site Surveys
- Eavesdropping detection
- RF emissions analysis
- Spectrum misuse investigation

Specifications

Downloads

Accessories

 UPCOMING TRAINING COURSE

 MORE RF ANALYSIS TOOLS FRC



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