

RF Explorer 6G WB PLUS - Slim Spectrum Analyzers

SKU 114992756

RF Explorer 6G WB+ is a powerful Spectrum Analyzer model, covering the full 6GHz range starting at 15MHz up to 6.1GHz with no gaps or limitations, and up to 7.5GHz with optional extra license.

This model replaces RF Explorer 6G Combo standard model, the new SLIM design offers an outstanding robust enclosure with strong metallic body and shiny varnished paint, a more convenient USB connector on the side and larger internal battery capacity.

What is Spectrum Analyzer

A RF Explorer Spectrum Analyzer is a special device designed to detect extremely sensitive signal radiation and identify signal interference, tune antenna setups, detect signal leakage and find hidden bugs, among many other applications.

The combination of small size, great sensitivity and robust design makes it the ideal instrument to carry on for indoor and outdoor measurements.

When connected to a computer, it can be controlled by free software available for download with stunning high-resolution graphics, data storage and reply features.

How RF Explorer Works?

For introductory details and quick start guide, please visit www.rf-explorer.com/start

For best handling work at the desk, we recommend the RF Explorer Holder SLIM

For best results detecting near field signal sources or interferences, we recommend the RF Explorer Near Field Antenna Kit.



Features

- Internal LNA amplifier and selectable attenuator for additional power range handling.
- Low frequency support from 15MHz covering LF, MF, HF, VHF and UHF
- High frequency support covering all range up to 6.1GHz with no gaps.
- New HELP and SET buttons to improve user interface and PRESET configuration selection with 2-clicks
- Ideal choice for all usable HAM bands.
- Pocket size and light weight
- Solid metal case with high quality varnished paint
- Spectrum Analyzer mode with Peak Max and Hold, Normal, Overwrite and Averaging modes
- High-capacity internal Lithium battery for 10hs+ of continuous run, rechargeable by USB
- Multi-platform Windows/Linux/MacOS Open-Source software and API libraries

Applications

- RF Spectrum Analysis for FM, TV and DTV, ISM, RFID, GSM, 4G/5G, IoT, GPS, Bluetooth
- Wi-Fi analysis and fine tuning
- Interference hunting
- EMC pre-testing
- RF device tuning (with Signal Generator working as Tracking SNA)

Part List

- 1 x Spectrum Analyzer
- 1 x Mini USB cable
- 1 x Dual band 144/430MHz Telescopic antenna
- 1 x UHF 400-900Mhz antenna
- 1 x Dual band 5/2.4GHz antenna
- 1 x EVA case

Specifications

Frequency Band	15MHz - 6100MHz <ul style="list-style-type: none">Upgrade Option available 7.5GHz
Frequency Span	2 - 960MHz in a single sweep <ul style="list-style-type: none">Upgrade Option available 3GHz Span
Internal Selectable LNA Gain	25dB
Internal selectable Attenuators	30dB and 60dB
Supporting OS	Windows, Linux and MacOS X
Resolution Bandwidth (RBW)	automatic 2.6Khz to 600Khz
Frequency Resolution	1Khz
Frequency stability and accuracy (typical)	+/-1.0ppm
Amplitude Stability and Accuracy (typical)	+/-3dBm
Amplitude Resolution	0.5dBm
Dynamic Range	-125dBm to 10dBm
Absolute Max Input Power	+30dBm
Average Noise Level (typical LNA)	-125dBm
Wifi Analyzing Range	2.4GHz and 5GHz bands
Antenna Included	<ul style="list-style-type: none">2.4/5GHz dual-band antennaUHF 400-900MHz rubber duck articulated antennaWideband 144/433MHz dual band telescopic antenna
SMA	Standard 50 ohms connectors
Battery	Internal Lithium-Ion 1800mA/h rechargeable battery
Display	128x64 pixels LCD