



## RF Explorer Touch Release Notes v3.27.2603

**RF Explorer Spectrum Analyzer firmware v1.34**

**RF Explorer Spectrum Analyzer Plus firmware v3.45**

**RF Explorer Signal Generator firmware v1.34**

**RF Explorer Spectrum Analyzer ProAudio firmware v3.08**

*For additional help and user manual please visit [www.rf-explorer.com/touch](http://www.rf-explorer.com/touch)*

*Updates of the RF Explorer User Manual are [available online](#).*



*Please consider the environment before printing this document.*

## Version 3.27.2603

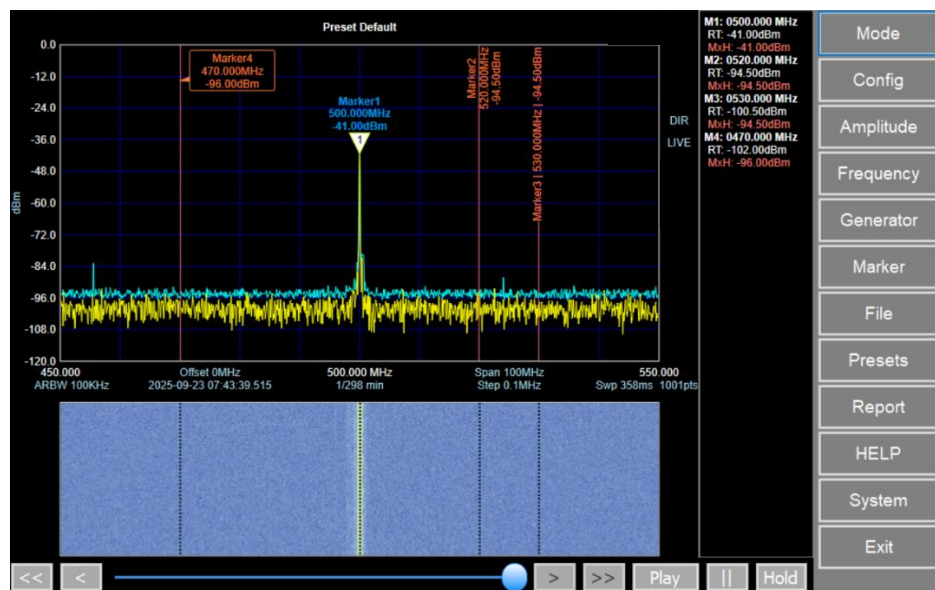
- Recommended RF Explorer Spectrum Analyzer Standard firmware: v1.34
- Recommended RF Explorer Spectrum Analyzer Plus firmware: v3.45
- Recommended RF Explorer Spectrum Analyzer ProAudio firmware: v3.08
- Recommended RF Explorer Signal Generator firmware: v1.34

*Note: The legacy RF Explorer for Windows tool will no longer have enhancements and all future improvements will be focused on RF Explorer Touch, which is compatible with all platforms as well as suitable for Tablets and touch sensitive devices.*

### Enhancements:

#### **Advanced Markers** for Spectrum Analyzer and Frequency Coordination

- Advanced Styles & Extended Inventory
- Up to 100 markers can now be defined.
- New marker styles improve readability: **Line**, **Flat Line**, **Bubble**, in addition to the original **Triangle** style.



- Markers can be given custom titles, and users can select which details are displayed.

- A new Marker Inventory screen simplifies marker definition and configuration.

ID	Enabled	Name	Frequency (MHz)	Symbol	Type
1	YES	Marker1	-	Triangle	Normal
2	YES	Marker2	520.000	Line	Normal
3	YES	Marker3	530.000	Flat Line	Normal
4	YES	Marker4	470.000	Bubble	Normal
5	NO	Marker5	1000.000	Line	Normal
6	NO	Marker6	1000.000	Line	Normal
7	NO	Marker7	1000.000	Line	Normal
8	NO	Marker8	1000.000	Triangle	Normal
9	NO	Marker9	1000.000	Line	Normal
10	NO	Marker10	1000.000	Bubble	Normal

Delta Marker Configuration  
Delta Marker ID    Offset (MHz)  Offset Locked

Inventory  
Settings  
Clear All  
HELP  
Back

Global marker settings are now shown separately for quicker access and configuration.

Active Marker Trace

Display Options  
Marker 1 Peak Text   Show Frequency    
Marker Panel   Show Amplitude    
Marker Color  Show Name    
FC Device Color

Dynamic Marker  
Channel Bandwidth (KHz)    
Fine Increment (KHz)

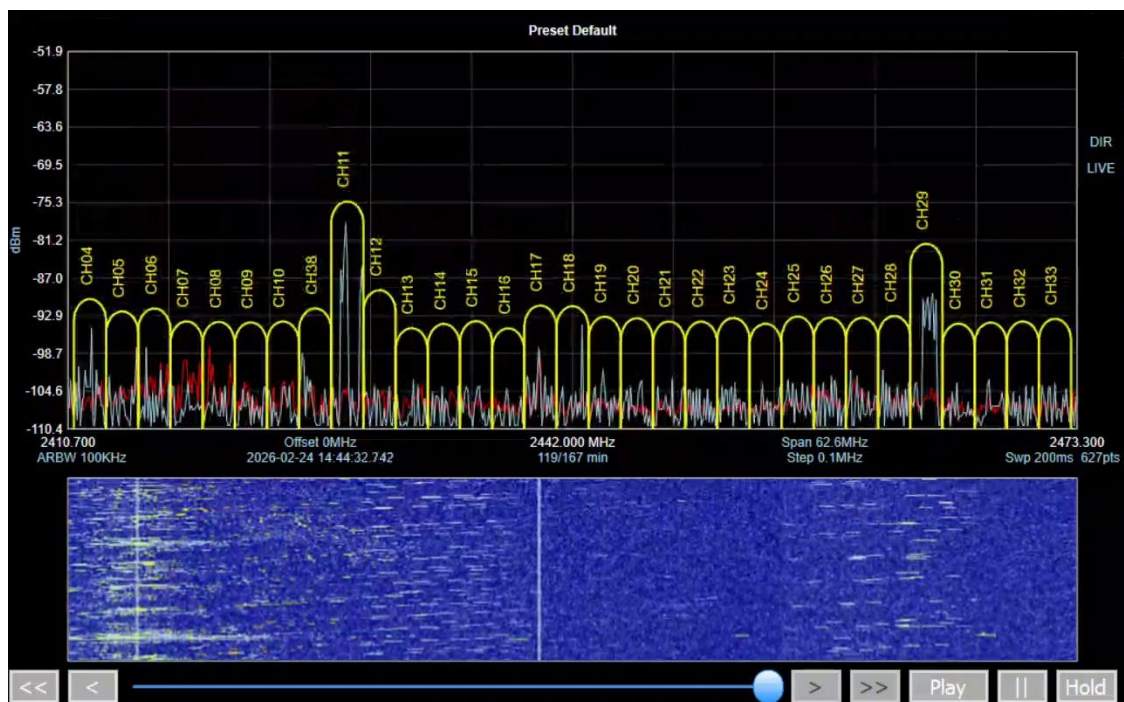
Inventory  
Settings  
Clear All  
HELP  
Back

## Radio Standard Embedded Edition

RF Explorer Touch now includes an embedded Radio Standard edition directly in the tool, with full touch-GUI definition and complete import/export support.

This makes day-to-day setup faster, avoids external dependency for core standard management, and improves consistency when working across teams and projects.

The release also includes 26 ready-to-use global Radio Standards, including **TETRA**, **PMR446**, **DECT**, **Bluetooth**, **FRS**, and others, so most common workflows are available immediately after upgrade.



1 – Example Bluetooth Radio Standard

## Guided Creation of New Radio Standards

New instructions are included online to help users create and import custom Radio Standards using AI such as ChatGPT prompt workflow.

This simplifies onboarding for custom regional or project-specific standards and reduces manual trial-and-error when defining new profiles.



*2 - Radio Standard configuration window to enable/disable and import/export*

## Multilanguage Support

Added multilanguage support for English (EN, English), Spanish (ES, Español), German (DE, Deutsch), French (FR, Français), Japanese (JA, 日本語), and Chinese (CH, 中文).

This improves usability for international teams and helps reduce mistakes in operational environments where technicians work in different languages.

Language selection will be requested for confirmation the first time you upgrade only. After that, it can be changed at any time in the Config > Advanced menu.



## Preset Import and Export

Presets can now be imported and exported with advanced XML format files.

This makes it easy to share validated configurations between technicians and teams working on similar scenarios.

Standardizing presets helps reduce setup time, improve repeatability, and minimize configuration inconsistencies across projects.

## Extended CSV and XML Export

CSV export has been extended and now includes multi-sweep XML export.

The XML output is designed for easier post-processing in external tools, including Excel and other data-analysis workflows, enabling better reporting and automation downstream.

## Reporting

- **Advanced PDF reports** with improved design, comprehensive content, and coverage of all modes

## Frequency Coordination

- Coordinated display information now includes State status. Previously, individual devices did not indicate this information.

## WiFi Mode

- **Gestures for amplitude control** are now supported. Previously, WiFi amplitude adjustments were limited to menu buttons.

## **Updated .RFE Data File Format**

Introduced a new .rfe file format optimized for very fast storage and read performance, using embedded hardware acceleration. This is transparent for the user.

This format is designed for high-throughput capture scenarios and long unattended sessions, enabling efficient multi-day data recording with faster open/load behavior.

## **Autosave Icon on Spectrum Analyzer mode**

In Spectrum Analyzer mode, a new diskette-shaped icon is now shown on the right-side screen panel to clearly indicate that Autosave is active.

## **Real-Time Sweep Memory Compression**

The firmware now applies real-time, lossless sweep-memory compression, especially beneficial for large sweep configurations.

Compression and decompression are hardware-accelerated and executed in real time, improving memory efficiency while maintaining responsive operation during demanding captures, while keeping full resolution.

## **Improved message dialogs**

Message dialogs shown on screen have been improved for clarity and usability. They now feature higher-contrast fonts and colors, as well as larger font sizes and buttons for easier interaction and better visibility.


## Frequency Coordination

Frequency Coordination includes a significantly faster algorithm with improved locked-device calculations.

This enables demanding scenarios that were previously difficult to solve in tight configurations with limited free spectrum.

### Frequency Coordination Summary

All devices coordinated but not optimally



Total Devices	10
Optimal	8
Not Optimal	2
Not Coordinated	0
Devices Locked	0

Close

IMD Conflicts				
Device	IMD Type	Frequency (MHz)	Offset (KHz)	Amplitude (dBm)
Dev1	3T3o	505.123	-86	-45.0
Dev2	3T3o	505.123	-86	-45.0
Dev3	3T3o	505.123	-86	-45.0
Dev4	3T3o	505.123	-86	-45.0
Dev5	2T5o	510.500	-70	-40.5

Close

3 - Example of new detailed coordination report

The coordination process now correctly uses device and project stop-frequency values (previously ignored).

Noise bands now support transparency, improving signal visibility during analysis.

Correctly handles scenarios where all devices are set as custom. Previously, this could cause inaccurate coordination results.

Large postal codes are now handled more accurately in the TV database. Previously, some codes produced empty results or displayed positions that did not match the actual location.

A more detailed report summary is now provided after calculation completes, improving traceability and decision confidence.



## Version 3.23.2503

- *Recommended RF Explorer Spectrum Analyzer Standard firmware: v1.34*
- *Recommended RF Explorer Spectrum Analyzer Plus firmware: v3.45*
- *Recommended RF Explorer Spectrum Analyzer ProAudio firmware: v3.08*
- *Recommended RF Explorer Signal Generator firmware: v1.34*

*Note: The legacy RF Explorer for Windows tool will no longer have enhancements and all future improvements will be focused on RF Explorer Touch, which is compatible with all platforms as well as suitable for Tablets and touch sensitive devices.*

### **Enhancements**

- The RF Explorer Suite for Windows is now compatible with Frequency Coordination mode. Supported by RF Explorer PLUS model using firmware v03.45 and newer.  
For more details, please visit: <https://j3.rf-explorer.com/rf-explorer-touch-manual-fc>

### **Fixes**

- Minor fixes

## Version 3.21.2501

- *Recommended RF Explorer Spectrum Analyzer Standard firmware: v1.34*
- *Recommended RF Explorer Spectrum Analyzer Plus firmware: v3.43*
- *Recommended RF Explorer Spectrum Analyzer ProAudio firmware: v3.08*
- *Recommended RF Explorer Signal Generator firmware: v1.34*

Note: Starting with this version the suggested tool is RF Explorer Touch. The legacy RF Explorer for Windows tool will no longer have enhancements and all future improvements will be focused on RF Explorer Touch, which is compatible with all platforms as well as suitable for Tablets and touch sensitive devices.

### **Enhancements**

- The RF Explorer Suite for Windows is now compatible with \*.RFE files created by RF Explorer Pro using firmware v01.20 and newer.
- WiFi Analyzer Channel Configuration: Users can now select visualization for individual channel bandwidths: 20MHz, 40MHz, 80MHz, and 160MHz. This allows for more precise monitoring of WiFi channels, giving greater control over the specific bandwidth configurations to analyzer.
- Dynamic Marker: Introduced an advanced marker system with gesture-based interaction for precise amplitude and frequency analysis, including the ability to set permanent markers at center or peak positions.

### **Fixes**

- Minor fixes

## Version 3.13.2405

- *Recommended RF Explorer Spectrum Analyzer Standard firmware: v1.34*
- *Recommended RF Explorer Spectrum Analyzer Plus firmware: v3.42*
- *Recommended RF Explorer Spectrum Analyzer ProAudio firmware: v3.08*
- *Recommended RF Explorer Signal Generator firmware: v1.34*

Note: Starting with this version the suggested tool is RF Explorer Touch. The legacy RF Explorer for Windows tool will no longer have enhancements and all future improvements will be focused on RF Explorer Touch, which is compatible with all platforms as well as suitable for Tablets and touch sensitive devices.

### **Enhancements**

- Configuration backend data updated. This new code uses a robust, compact, and efficient embedded database to store all configuration settings. In earlier releases, the software used a collection of XML files.
- Added improved Waterfall 2D in main screen.
- The RF Explorer Suite for Windows can now use and display \*.RFE data files created by RF Explorer Pro. In previous versions, the PC software could not display files created by RF Explorer Pro.

### **Fixes**

- Minor fixes

## Version 2.7.2206

- *Recommended RF Explorer Spectrum Analyzer Standard firmware: v1.33*
- *Recommended RF Explorer Spectrum Analyzer Plus firmware: v3.39*
- *Recommended RF Explorer Spectrum Analyzer ProAudio firmware: v3.08*
- *Recommended RF Explorer Signal Generator firmware: v1.34*

Note: Starting with this version the suggested tool is RF Explorer Touch. The legacy RF Explorer for Windows tool will no longer have enhancements and all future improvements will be focused on RF Explorer Touch, which is compatible with all platforms as well as suitable for Tablets and touch sensitive devices.

### **Enhancements**

- Multiple language (English, French, German and Spanish) support for license register process
- Integrated RF Explorer Generator tool inside RF Explorer Touch application
- Improved frequency calibration algorithm speed
- Added frequency calibration capability in RF Explorer Touch application
- Added tracking SNA mode in RF Explorer Touch application
- Installer checks USB SiLabs drivers installed and installs it if not found

### **Fixes**

- Several Frequency Calibration fixes
- Other Minor fixes

## Version 2.6.2203

- *Recommended RF Explorer Spectrum Analyzer Standard firmware: v1.33*
- *Recommended RF Explorer Spectrum Analyzer Plus firmware: v3.33*
- *Recommended RF Explorer Spectrum Analyzer ProAudio firmware: v3.08*
- *Note: This version does not support RF Explorer Signal Generator. Please use specific tool from [www.rf-explorer.com/rfgenhelp](http://www.rf-explorer.com/rfgenhelp)*

Note this version unifies with RF Explorer Windows Suite.

### **License and registration**

This software requires registration and internet connection.

You must provide a valid registration email to receive an activation code for your computer. If you do not receive a valid email, check your spam folder.

Software registration is now possible by email, useful if your computer is behind a firewall/proxy preventing connection to RF Explorer License Server.

Privacy policy is available online at [www.rf-explorer.com/privacy](http://www.rf-explorer.com/privacy)

### **Enhancements**

- Compatibility with new RF Explorer Spectrum Analyzer model 6GWB PLUS
- Included RF Explorer Uploader tool inside application
- Max Hold data trace and display improvements

## License

RF Explorer embedded firmware is copyrighted © by Ariel Rocholl, 2010-2025

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## Disclaimer

For more info on RF Explorer, please visit

[www.rf-explorer.com/privacy](http://www.rf-explorer.com/privacy)

For instructions to upload this new firmware in your RF Explorer unit, please visit online documentation at

[www.rf-explorer.com/upgrade](http://www.rf-explorer.com/upgrade)

Some of these new features documented below may not be available in the user manual until a final release is published. For questions, please go to RF Explorer forum at

[www.rf-explorer.com/forum](http://www.rf-explorer.com/forum)

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