

TFN

PHC12

Quick check of wireless signal

Hand-held wireless signal mobile phone signal source detector

Intelligent warning | Special inspection | Signal demodulation

Detection and precise positioning



Hot spot detection

Various WIFI routers

AP Access Point

Portable WIFI Access Point

Soft AP

Phone Hotspot



Hot spot detection

Various WIFI terminals

Desktop computer

Laptop

Tablet

Smart home devices

Mobile phone

WiFi camera



Mobile phone signal

Communication

frequency band

Bluetooth

FA/AM

Detection and precise positioning

Ten core functions

Enable wireless special

01

Support WIFI

Full channel coverage

Covering all channels

Support WIFI 2.4G/5.8G protocol

Differentiates between hotspots, connected devices, unconnected devices, and camera devices

Covering all channels, locating and troubleshooting WIFI

Focus on troubleshooting camera and other equipment



02

Traditional Bluetooth & Bluetooth Low Power

It supports the detection of traditional Bluetooth and Bluetooth low power devices, and can distinguish between Bluetooth device type, Bluetooth device name and Bluetooth device manufacturer. Support accurate tracking and positioning of specified Bluetooth signals.



03

Wireless spectrum

It supports 0-12GHz wireless spectrum detection, covering most wireless communication frequency bands currently used internationally and domestically.



04

Precise tracking and positioning

Support for mobile/unicom/telecom/radio and television 2/3/4/5G full operators

All-standard communication detection, supporting 315-433M, 800M, 1.2G、1.4G、2.4G、5.2G、5. Detection of common communication frequency bands such as 8G and accurate tracking and positioning of signals of specified radio frequency are supported.



05

Support 315~433M, 800M, 1. 2G,2. 3G,5. 8g and other devices commonly used in the wireless communication band for stealing secret electronic equipment will send out an alarm.

06

It supports demodulation and restoration sound playback of specified suspected FM/AM signals.

07

The detection range is from 20CM to 10M, sensitivity adjustment is supported.

08

Support accurate tracking and positioning of specified Wi-Fi access points or terminals, and support voice broadcast signal strength change.

09

Scan period < 500 ms, ensure that all wireless signals are captured in real time.

10

Support external multiple types of antennas, which can enhance more accurate detection and analysis of specified signals.


Quick check wireless signal

Quick check of wireless signal



The initial interface of the device startup system is the signal check page. Click **开始** the Start button to start the system to check all wireless signals, including WIFI, Bluetooth, mobile phone communication frequency band, and abnormal wireless signal, etc.

停止 Click Stop to end the current check task, and the check result will be saved automatically.

检查记录  Click Check Record Details to view the specific information detected by the current check task.

Wireless signal quick check history view



Click the history file icon in the upper right corner to view the history check information. Click to open the specific examination information item to view the current examination details.

Inspection details include inspection time, inspection signal type, specific quantity information of various signals, etc.

Signal List View

Click on the signal list options in the menu bar below



The system will jump to open the signal details list.

The list displays the maximum strength value of each signal currently supported for detection, including WIFI, Bluetooth, mobile phone communication frequency band, common wireless communication frequency band, etc.



The signal strength identification is the maximum strength currently detected for that type of signal.






The signal identification is all black, indicating that the signal of this type is not detected or the signal strength of this type is weak.



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WiFi Signal Details



Click  hotspot  terminal,  camera type in the signal list. You can jump to the Wi-Fi signal details page.

WiFi signal check includes detection of access point signal, terminal signal and WIFI camera signal.


The AP signal list displays the currently detected WIFI hot spot information, including hot spot name, hot spot MAC address, hot spot equipment manufacturer brand, and signal strength. (The system supports detection of hidden hot spots)

The terminal list displays the currently detected WIFI terminal information, including terminal MAC address, connection status, device manufacturer brand, signal strength, etc.

Click the specific signal target to jump to the target location interface to accurately locate the target signal.

Bluetooth Signal Details



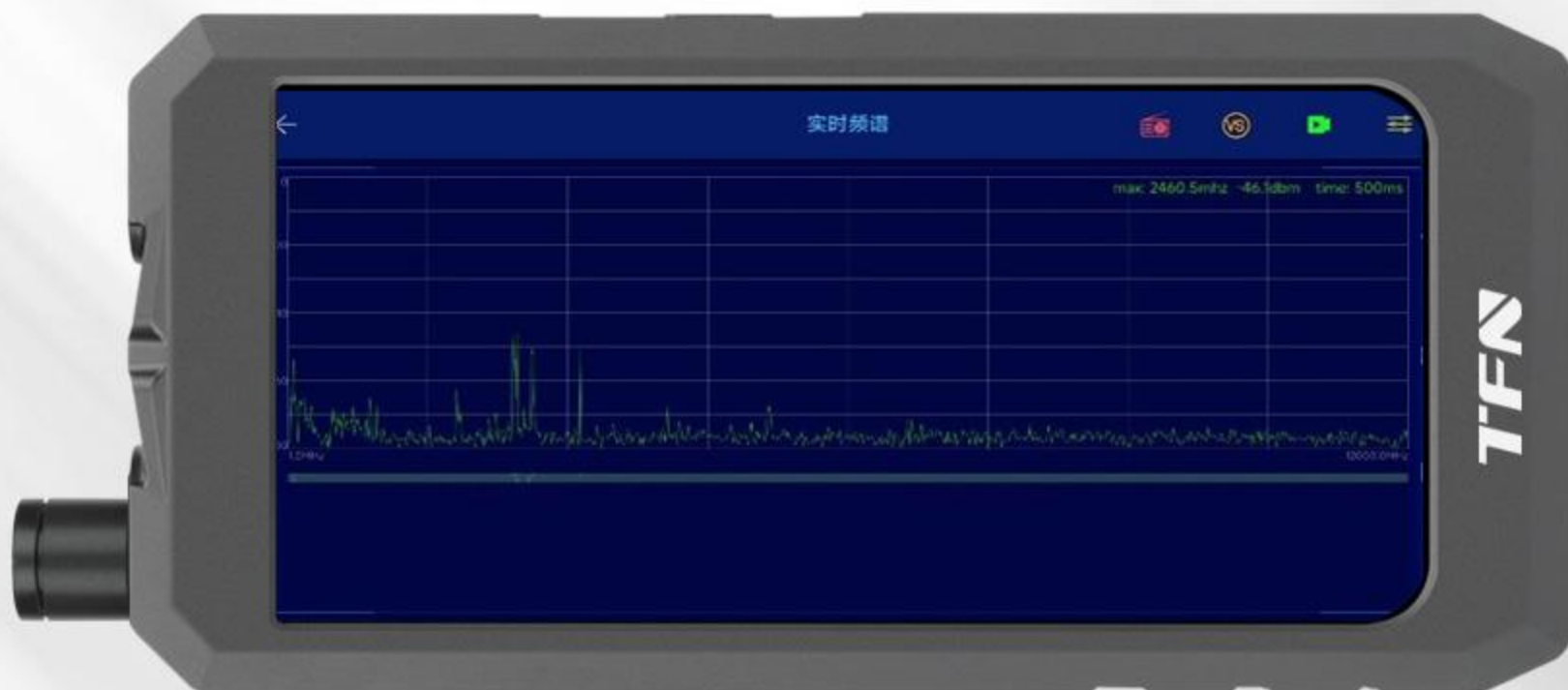
Click in the signal list  Bluetooth signal, the system will display the currently detected Bluetooth device information.

The system supports detection of classic Bluetooth and Bluetooth low power devices.

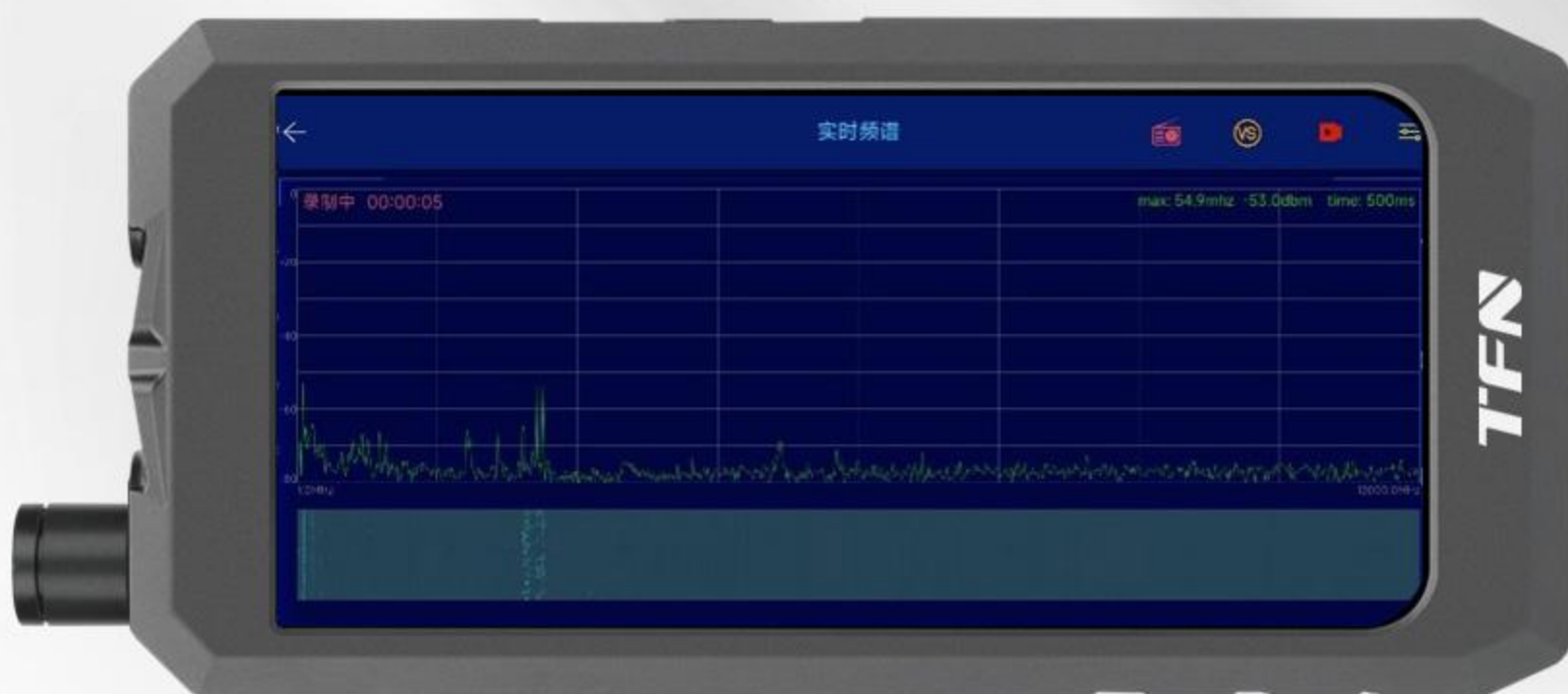
The system supports parsing parsing of Bluetooth device MAC address, device name, device brand and other information.

Click the specific signal target to jump to the target location interface to accurately locate the target signal.

Real-time Spectrum Signal Viewing



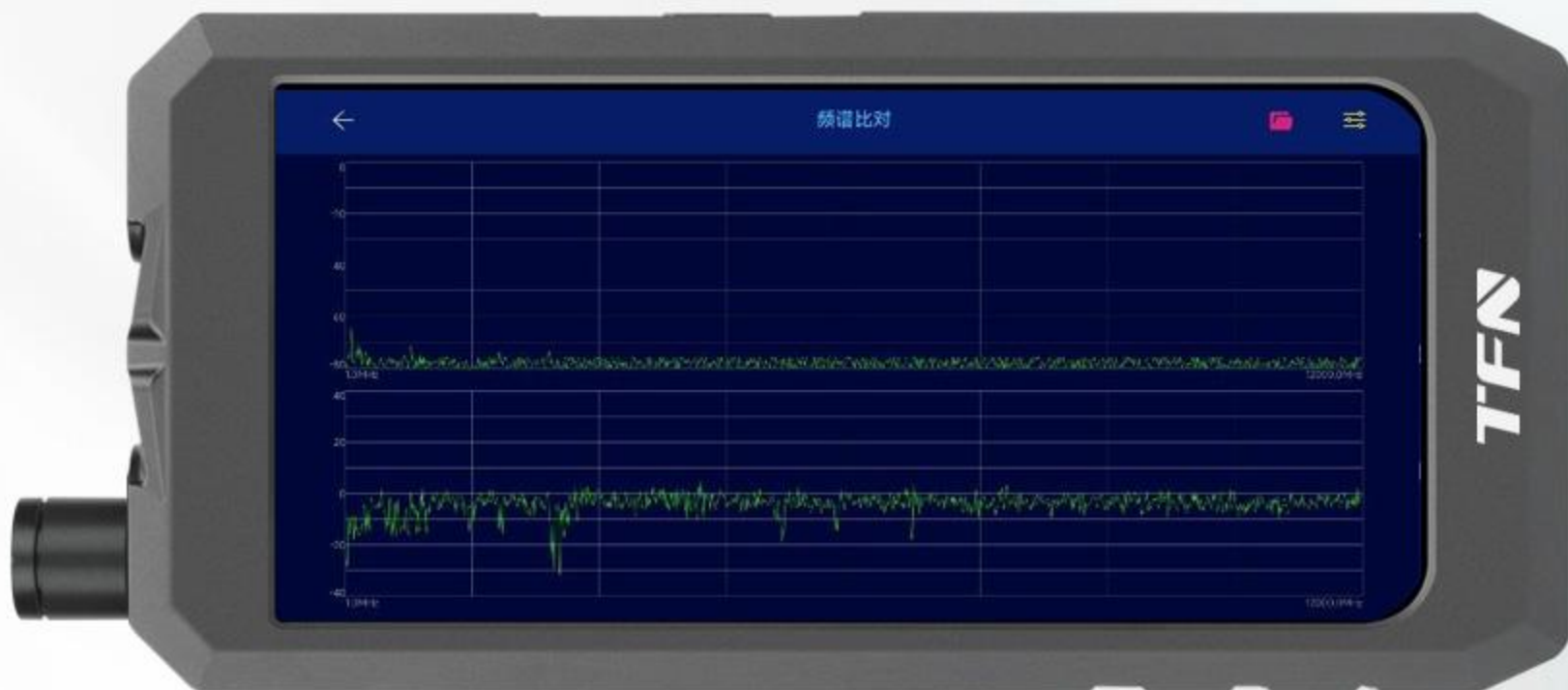
Click the real-time spectrum button in the menu below to jump to the real-time spectrum interface.



Click status.

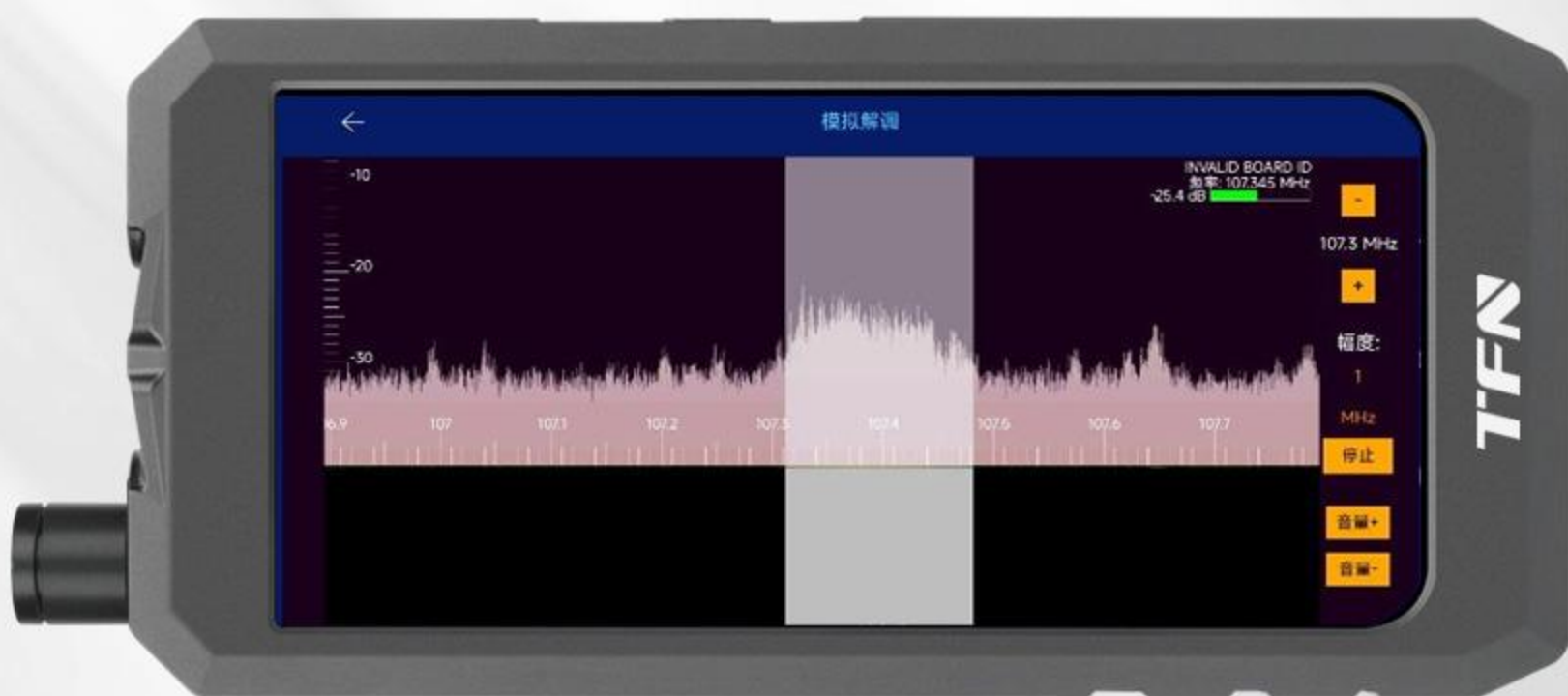


Background Record to enter background record



Click  the background comparison button and select the historical background to compare.

The upper part of the comparison window is the real-time spectrum information, and the lower part is the difference value between the current wireless signal and the historical background signal.



Click  Spectrum Demodulation button to jump to AM/FM radio

The sound of the parallel signal can be modulated by the signal, and the effect of the signal AM/FM is good for the playback.

Target location interface

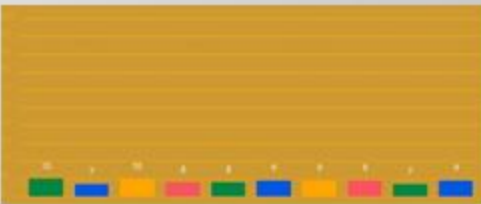
From WIFI select the target signal in the detail list, Bluetooth detail list and wireless signal list, and the target signal can be accurately positioned in a specified manner.

When the target is positioned in different ways, the positioning interface will display the specific information of the target signal.



The signal strength indicator identifies the real-time strength of the current signal, green to red indicating the signal is weak to strong.

The system supports an audible alarm based on the signal strength, and the alarm sound will change from slow to rapid from weak to strong.



The historical signal strength indicator represents the change in the target signal over time.



Product parameters

PARAMETER

Frequency range

0~12GHz

Processor

Domestic CPU

Antenna

3DBI omnidirectional
antenna

Screen size

6.67 "touch screen

Detection range

20cm~10m

ROM capacity

128G

Working hours

2~3 hours

RAM capacity

8G

Weight

< 650 g

Battery capacity

High-density lithium battery 4800mAh