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# **BTS TRACKER 5G**

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**USER MANUAL v 1.1.0.24274**

**SECURCUBE SRL**

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# 1. Hardware module overview

Choose your hardware version to get all the specific and suitable indications.

## First version

Includes:

- Hardware module
- 3 antennas
- MicroSD
- USB type-c cable
- App for controlling
- Software for logs analysis

First lateral side:

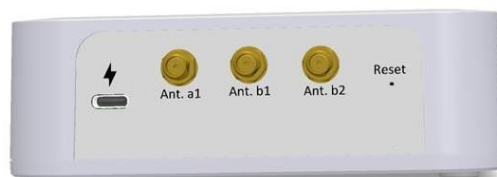
- Turn on-off button
- MicroSD
- SIM Slots: The SIM cards must be active without PINprotect
  - a.1 for 2G active surveys
  - b.1 for 5G active surveys and/or GPS coordinates
  - b.2 for 5G active surveys and/or GPS coordinates

Front side:

- LEDs

Second lateral Side:

- USB Port: Charging port. Please use the type-c cable provided for charging.
- Antennas
  - a1 for 2G, 3G and 4G surveys
  - b1 for 5G surveys and GPS
  - b2 for 5G surveys and GPS
- Reset: Resets the hardware module



## Second version

Includes:

- Hardware module
- 6 antennas
- MicroSD
- USB type-C cable
- App for controlling
- Software for logs analysis

Sides overview:

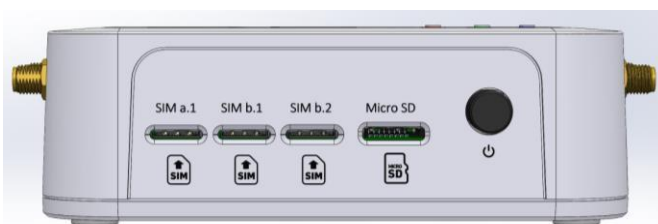
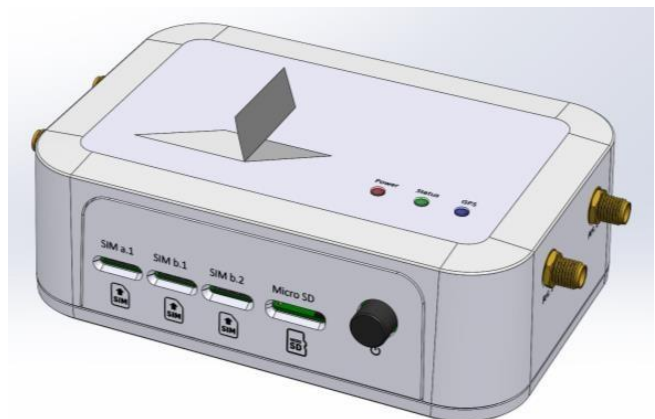
- SIM Slots: the SIM cards must be activewithout PIN protection
  - SIM a.1 for 2G active surveys
  - SIM b.1 for 5G active surveys and/or GPS coordinates
  - SIM b.2 for 5G active surveys and/or GPS coordinates
- Micro SD slot
- Turn on-off button

Left side with Ant. 3 and Ant. 4:

- USB port for charging the hardware module. Please use the type-C cable provided for charging
- Reset hole to reset the hardware module

Antennas:

1. for 3G, 4G and 5G surveys
2. for GPS
3. for 2G, 3G and 4G surveys
4. for 2G, 3G and 4G surveys
5. for 3G, 4G and 5G surveys
6. for 3G, 4G and 5G surveys



## Label information:

- ❖ QR code to access the web app <https://detect26.securcube.net>
- ❖ Lot N°.
- ❖ Serial Number (S/N)
- ❖ Model
- ❖ 5V 3.0A

## 2. BTS Tracker Web App

The WebApp allows the user to control the hardware module. Computers, tablets or smartphones can be used by searching in the browser: <https://detect26.securcube.net>.



### Android operating system

Available for browser use or to download to any Android device, selecting the browser option “InstallApp”.

## 3. BTS Tracker Application



BTS Tracker 5G

### Android operating system

Available the Application from Google Play.

[https://play.google.com/store/apps/details?id=net.securcube.btstracker5g&pcampaignid=web\\_share](https://play.google.com/store/apps/details?id=net.securcube.btstracker5g&pcampaignid=web_share)

### iOS operating system

Available the Application from App Store.

<https://apps.apple.com/it/app/bts-tracker/id6469318661>

## 4. Please note:

It's important to **authorize** the use of the **GPS location** and every other request made by the device or the browser.

Closing the mobile APP during a measurement **will not affect** the survey, the hardware module will continue to scan.

## 5. How to set up the hardware module

### Steps for set up:

1. Attach the **antennas**.
  2. Insert the **Micro SD** card to ensure data saving.
  3. To scan the connected cell (5G) insert an ACTIVE NOT PROTECTED 5G **SIM card** in the slot SIM b1 and/orb2
  4. Push the **ON/OFF button** to start the module. The LEDs will turn on blinking in white color for theinitializing phase (between 2–3 minutes).
  5. Check the LED colors after the initializing of the BTS Tracker.
  6. **Scan the QR code to open the web app**, or if already downloaded, open the web app in your device andconnect through the Bluetooth to the BTS Tracker.
  7. **Check the firmware and Web app version on Settings page** using the changelog on the user manual. A notification notifies you about the new firmware version and appears a red button on the Settings Page.
- At the end of the use, turn off the hardware module.

### Battery information

❖ Autonomy: 7 hours

❖ Charging time: 10 hours

### Scans with BTS Tracker charging

1. Turn on the BTS Tracker.
2. Plug the BTS Tracker to the power source.
3. Perform scans.
4. At the end remove it from the power source.
5. Turn off the module.

## 6. Activate the license and start to use the BTS Tracker

Here are the instructions to follow when the hardware is set up and you are ready to use it.

### 1. Active License Requirement

To use the BTS Tracker, an active license is required.

### 2. Start-up Process

When you turn on the BTS Tracker, it automatically looks for an active license in the SD card.

- **If an active license is not found:**

The 3 LEDs will remain static white.

- **If an active license is found:**

The device proceeds with initialization and is ready for use.

### 3. License Not Found Scenario

#### Bluetooth Connection and Web App Access:

- If the BTS Tracker does not find an active license, connect the device to the web app via Bluetooth.

**Via an Internet Connection:** The active license will be automatically downloaded.

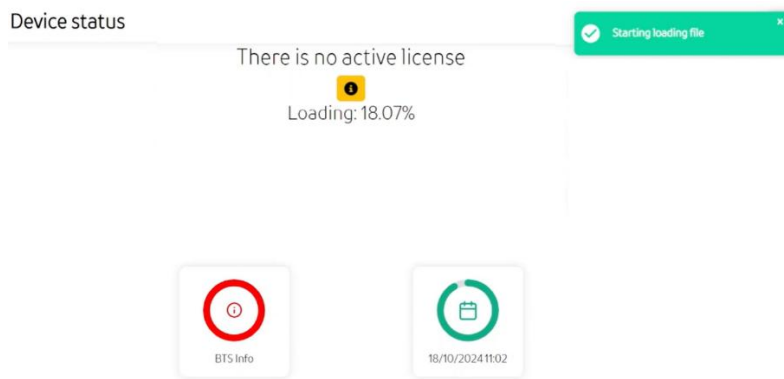
- **Without an Internet Connection:** You can manually upload the license file in **Settings** page.

### 4. Requesting a License File

If you have any issue with the license, check the Info box in Status page and send the information to [support@securcube.net](mailto:support@securcube.net).

The automatic search for an active license happens when the BTS Tracker is turned on for the first time and the times the BTS Tracker has been switched on after the pre-existing license has expired.

### Automatic download



### Manual upload



## 7. LEDs

### POWER LED

- **Blinking** = Charging
- **Green** = 100% – 70%
- **Orange** = 70% – 30%
- **Red** = 30% – 0%

### STATUS LED

- **Static Green** = Scanning
- **Blinking Green** = Standby
- **Blinking Pink** = SD Card error.
  - There is an error in the SD card. You should format it or change it.
- **Blinking Blue** = File error.
  - There is an error creating or writing a file.
- **Blinking Red** = SIM card error.
  - The SIM card is missing or it is not identified. If you have inserted into and it is not identified, push the “Reset” button beside the antennas to reset the BTS Tracker.

### GPS LED

- **Static Green** = Connected
- **Blinking** = Searching

### ALL LEDS

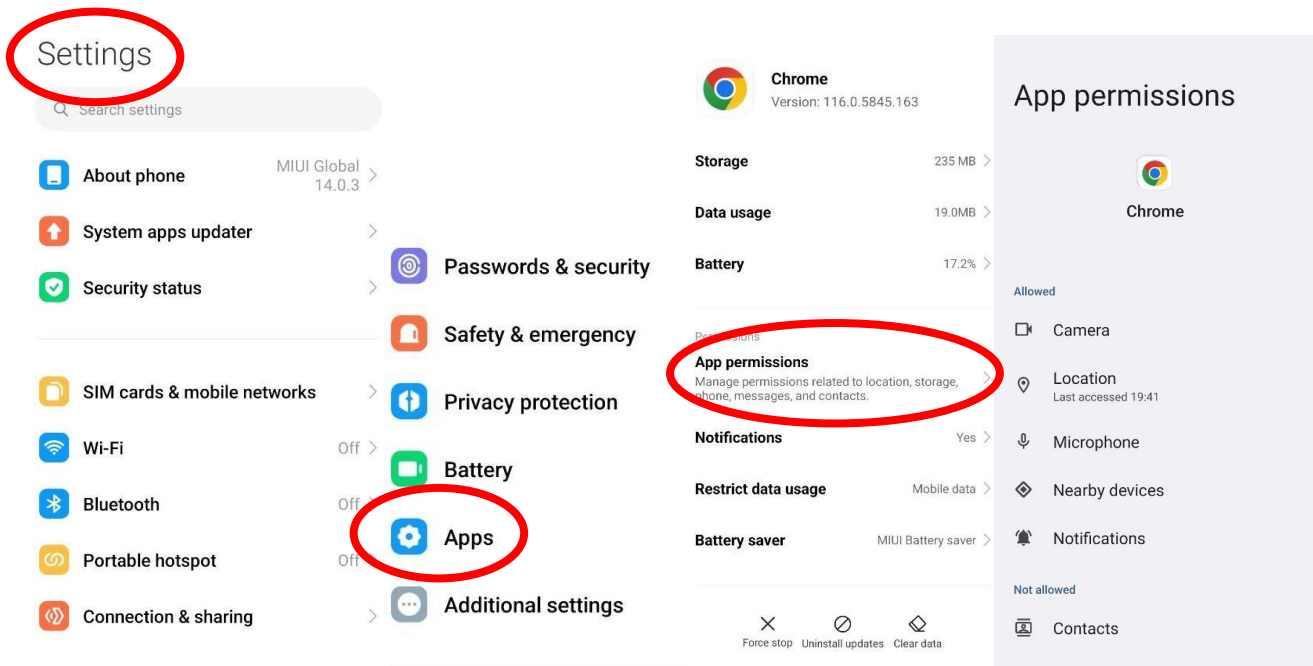
- **Blinking white** = Initializing
- **Static white** = License error

To solve these problems, please turn off the hardware module, plug in the missing part and/or arrange the issues. Turn it on.

## 8. Connection to the App with Bluetooth

- enable Bluetooth from your device (**DO NOT CONNECT** from device settings)
- access the web app
- click the “**connect**” button
- select your BTS and connect. the name is: **BTS- first 5 digits of S/N – last 4 digits of S/N**
- wait for the app to fully load and you can use it

If you didn't allow the app's required Bluetooth and location permissions, you can go to your device's settings, search for your browser (chrome) and change them.



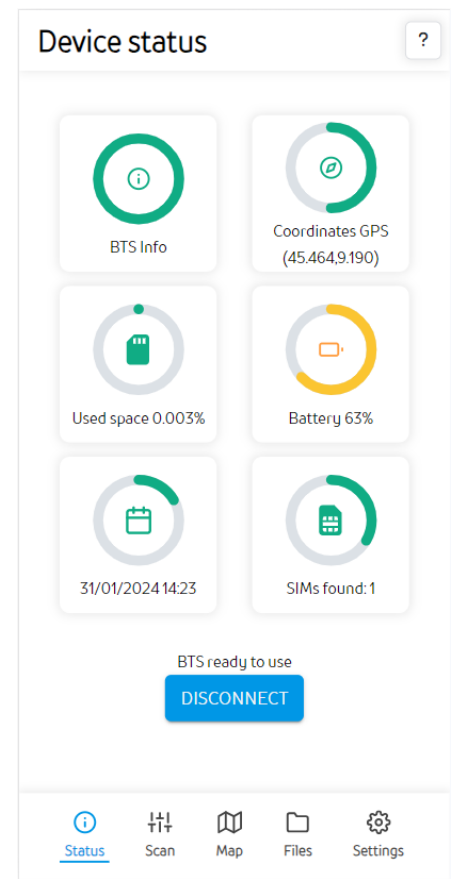
## 9. How to start a survey

### ➤ Status

First it is required to:

1. The **"BTS Information"** button allows you to check your BTS Tracker information such as the serial number, firmware version, list of supported bands, modem status, reference to the manual and information about the license.
2. Check the **GPS coordinates**. Tap the dedicated button to see which GPS coordinates have been detected; either **automatically** or **manually** by the application, or from **Module A or B**.  
When the BTS is unable to detect the GPS coordinates, it gets the location of the browser/device where the application is in use. Check the latitude, longitude, and altitude, which you can easily copy using the dedicated button. Using the dedicated button, you can connect directly to the map to see the location.
3. Check if the **MicroSD** is correctly inserted. If it doesn't, the App will identify and notify the error, and the LED will become pink.
4. Check the hardware module's **battery** level. If it is too low, we suggest to charge it.
5. Check the **device's date and time**.
6. Verify the **SIM card recognition**. The IMSI code will be shown after tapping the "SIMs found" button.

Finally verify the status of the BTS Tracker. Wait for initialization to end and the notification **"BTS Ready to use"**.



## ➤ Scan

### Connected cell – Active Survey – 5G/4G/3G

**REQUIRE the SIM card/s (slot b1 and b2).**

Select the technology and choose whether to make the fallback.

If you **disable** the fallback, it uniquely measures the connected cells of the selected technology.

If you **enable** the fallback, if no cell of the selected technology is found, it searches the cells of following technologies.

An example:

**5G + fallback selection:** It reports the serving 5G, SA or NSA, cell towers in the area. If no 5G cell tower is detected, the BTS Tracker will fallback to the 4G active cell tower, if it fails, it will go for the 3G.

To improve scans, you can enter APN settings before starting the scan (on the settings page).

### Completed Scan – Passive survey – 2G/3G/4G

**NO SIM card is required:** It reports all the telephone operators available in the area. It takes up to 5 minutes to complete one scan, according to the area density. Choose a combination of the technologies, or all of them.

### 2G Active Set – Active Survey – 2G

**REQUIRE the SIM card (slot a1).**

It shows the list of the 2G connected cell called Serving and the 2G cells called Neighbor. When the SIM is inserted in slot a1, the Completed Scans cannot be performed.

### Wi-Fi networks

This scan shows the **WIFI networks**. No SIM is needed.

On the device status page into BTS info, if there is “**MOD wifi+Bluetooth: ✓**”, it can scan **2.4 – 5.0 GHz** wifi networks. Otherwise only **2.4GHz**.

### Bluetooth networks

This scan shows the **Bluetooth networks**. No SIM is needed.

On the device status page into BTS info, if there is “**MOD wifi+Bluetooth: ✓**”, it can scan Bluetooth networks. Otherwise, it can't.

## ➤ Cells of interest

You can look for the cells of interest in two ways:

- **manually** by entering either the single values of MCC, MNC, LAC, and Cell ID, or the full cell code
- **automatically** by importing the cell code data from Phonelog Cell Service. Go on **PhoneLog CellService**, double click on the line of the chosen cell code from the searched cell list, copy the code that appears under the cell ID and paste it on the dedicated search bar.

Once you have added the cells of interest, for each cell you can read the following information:

- the **source**, when the input is both manual and from Phonelog Cell Service
- the **Azimuth, the Beamwidth** and the color of the cell on the map only in case of cell towers coming from PhoneLog Cell Service.

It is possible to choose whether:

- to include or exclude the cell of interest in the search 
- remove it 

Only in case of cell towers coming from PhoneLog Cell Service, it is possible to

choose to see it or not in the map  

On the Scan page, the cells are **highlighted in yellow** to be able to quickly recognize them.

### Search

Insert the cells to search and display

Insert cell code valuesInsert cell from Cell Service

Cell added

List of cells to search:

|                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 222-10-(*)-(*)<br>Source:Manual                                                                                                                                                                         |                                                                                         |
| 222-99-(*)-(*)<br>Source:Manual                                                                                                                                                                         |                                                                                         |
| 222-99-0238158-006<br>222-99-24410-60968454<br>Source:Cell Service<br>Azimuth: 70°<br>Beamwidth: 68°<br>Cell color   |    |
| 222-99-0238030-002<br>222-99-24411-60935682<br>Source:Cell Service<br>Azimuth: 190°<br>Beamwidth: 68°<br>Cell color  |    |

Status

Search

Scan

Map

Files

Settings

## ➤ Start scan

Select all the settings and click the “Start Scan” button to start the scan. It is possible to modify or rename the log file name.

### Scan

Connected Cell (SIM b1/b2 required):  
☒ i  
☒ 5G SA  
☐ LTE  
☐ UMTS  
☒ fallback

Complete Scans (SIM not required):  
☒  
☒ LTE  
☒ UMTS  
☒ GSM

WiFi Scans 2.4GHz - 5.0GHz  
☒

Bluetooth Scan  
☒

File name:

START SCAN

Status

Scan

Map

Files

Settings

## ➤ Scan started

A “**Scan Started**” notification confirms the start of the survey.

The log file name and the survey’s starting date and time will be displayed on the interface.

If you previously entered cells of interest, you can check the number of cells and the technology measured in the “**See cells of interest**” button. When you are doing full scans, you can select which column to display by clicking the “Choose table columns” button.

Tap “**Scans number**” and read the number of scans performed, classified as “Connected”, “Available”, “2G active set”, “WIFI” and “Bluetooth”.

The results of the scans appear below, according to the selected technologies.

## ➤ Survey

According to the selected technologies, the cell tower table shows:

### Available Cells

Cell towers information displayed by technology:

- LTE (4G)
- UMTS (3G)
- GSM (2G)

Information:

- Cell tower code
- Band
- Downlink Frequency
- Signal Strength with color identification
- Telephone operator

### Connected Cells

SIM card operator cell tower information displayed if the SIM is plugged in.

Information:

- Cell tower code
- Technology
- Band
- Signal Strength with color identification
- Downlink Frequency
- Telephone operator

| Available Cells   |                 |
|-------------------|-----------------|
| LTE Om 19s        |                 |
| Cell code         | ARFCN /Band I   |
| 222-01-703057-61  | 6300<br>B20 FDD |
| 222-50-1007070-23 | 400<br>B1 FDD   |
| 222-50-1007070-63 | 2900<br>B7 FDD  |
| 222-50-1007070-83 | 1500<br>B3 FDD  |

| Connected Cells                                                                                                                                                                                                                                                                                                                  |                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <div>SIM 2A</div> <div>222-01-703057-41</div> <div>Technology: LTE,<br/>Online</div> <div>Band: EUTRAN-<br/>BAND3</div> <div>Power [dBm]: -102.7</div> <div>Frequency downlink<br/>[MHz]: 1820</div> <div>Telephone operator:<br/>Tim </div> | <div>SIM 2B</div> <div>SIM not inserted</div> |

### 2G Active Set

Information of 2G cells:

- Cell Code
- Technology
- ARFCN
- Band
- Signal
- Type
- Operator

| 2G active set        |            |       |          |              |          |                                                                                           |
|----------------------|------------|-------|----------|--------------|----------|-------------------------------------------------------------------------------------------|
| Cell code            | Technology | ARFCN | Band     | Signal [dBm] | Type     | Operator                                                                                  |
| 222-01-55232-95365   | GSM        | 2     | PGSM 900 | -42          | Serving  |  TIM |
| 222-01-348722-33292E | GSM        | 17    |          | -32          | Neighbor |  TIM |
| 222-01-348722-00000  | GSM        | 13    |          | -24          | Neighbor |  TIM |
| 222-01-348722-95366  | GSM        | 19    |          | -19          | Neighbor |  TIM |
| 222-01-348722-94567  | GSM        | 1013  |          | -16          | Neighbor |  TIM |
| 222-01-348722-96089  | GSM        | 15    |          | -13          | Neighbor |  TIM |

### Wi-Fi networks

View the information of available WIFI networks:

- MAC address
- First name
- Signal
- Encryption
- Frequency

| Scan for WiFi networks |                     |              |                 |                 |
|------------------------|---------------------|--------------|-----------------|-----------------|
| MAC Address            | Network             | Signal [dBm] | Encryption Type | Frequency [GHz] |
| 04:F1:69:A5:D3:87      | HUAWEI_H122_D380_5G | -64          | WPA2 AES        | 5               |
| 04:F1:69:A5:D3:86      | -                   | -65          | WPA2 AES        | 5               |
| 04:F1:69:A5:D3:84      | HUAWEI_H122_D380    | -66          | WPA2 AES        | 5               |
| 12:13:31:EF:83:3B      | TIM-32473907        | -69          | WPA2 AES        | 5               |

### Bluetooth networks

View the information of available Bluetooth networks:

- MAC address
- Name
- Signal
- Advertising Type
- Remote Address

| Scan for Bluetooth networks |      |              |                  |                |
|-----------------------------|------|--------------|------------------|----------------|
| MAC Address                 | Name | Signal [dBm] | Advertising Type | Remote Address |
| 1D:CF:41:E6:C4:DE           | -    | -54          | NON_CONNECTABLE  | random         |
| 17:E6:4D:2F:D5:4B           | -    | -68          | NON_CONNECTABLE  | random         |
| 05:CD:77:B6:2D:A6           | -    | -74          | NON_CONNECTABLE  | random         |
| E0:3C:FB:FC:EE:28           | -    | -74          | NON_CONNECTABLE  | random         |
| 32:38:EA:6F:7F:2A           | -    | -78          | NON_CONNECTABLE  | random         |

## Some Photos:

| Available Cells    |                 |                          |             |                                                                                                  |
|--------------------|-----------------|--------------------------|-------------|--------------------------------------------------------------------------------------------------|
| LTE Om 40s         |                 |                          |             |                                                                                                  |
| Cell code          | ARFCN /Band     | Frequency downlink [MHz] | Power [dBm] | Telephone operator                                                                               |
| 222-01-703057-61   | 6300<br>B20 FDD | 806                      | -75         | <br>Tim        |
| 222-10-37578-11    | 6400<br>B20 FDD | 816                      | -84         | <br>Vodafone   |
| 222-10-37578-41    | 525<br>B1 FDD   | 2162.5                   | -96         | <br>Vodafone   |
| 222-10-37578-51    | 3025<br>B7 FDD  | 2647.5                   | -99         | <br>Vodafone   |
| 222-10-37578-31    | 1850<br>B3 FDD  | 1870                     | -102        | <br>Vodafone   |
| UMTS Om 28s        |                 |                          |             |                                                                                                  |
| Cell code          | ARFCN /Band     | Frequency downlink [MHz] | Power [dBm] | Telephone operator                                                                               |
| 222-88-77-62387    | 3063<br>B8      | 952.6                    | -64         | <br>Wind Tre   |
| GSM Om 5s          |                 |                          |             |                                                                                                  |
| Cell code          | ARFCN /Band     | Frequency downlink [MHz] | Power [dBm] | Telephone operator                                                                               |
| 222-88-24535-52832 | 106<br>P-GSM    | 911.2                    | -68         | <br>Wind Tre  |
| 222-10-20082-18053 | 46<br>P-GSM     | 899.2                    | -80         | <br>Vodafone |
| 222-01-55232-51480 | 17<br>P-GSM     | 893.4                    | -82         | <br>Tim      |
| 222-88-24535-52831 | 115<br>P-GSM    | 913                      | -91         | <br>Wind Tre |
| 222-10-20082-3962  | 44<br>P-GSM     | 898.8                    | -96         | <br>Vodafone |

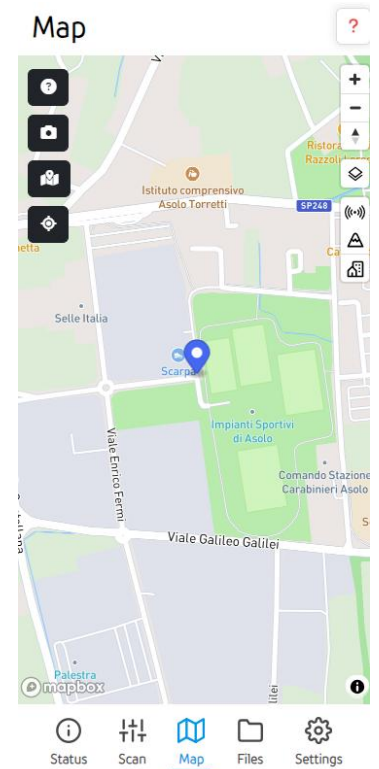
## ➤ Map

It displays:

- **Location:** latitude and longitude appear when you tap the blue pin icon.
- The **survey** of the available, 2G active set, WIFI and Bluetooth scans.
- On the upper-left corner, these are the following **buttons**:
  - legend of the symbols
  - take a screenshot of the map
  - set the location manually
  - delete the manual positioning.

Dots, each one corresponding to one scan, differently colored. The border represents the **type** of signal; the content represents the signal quality based on the **first available cell** measured.

- Pink for LTE
- Blue for UMTS
- Orange for GSM
- For the other scans these are the colors:
  - Green for WIFI
  - Purple for Bluetooth
  - Light blue for 2G active set
- The blue line represents the **path** followed during the scan.
- If we have some cell towers of interest imported from Cell Service, it is possible to see them on the map



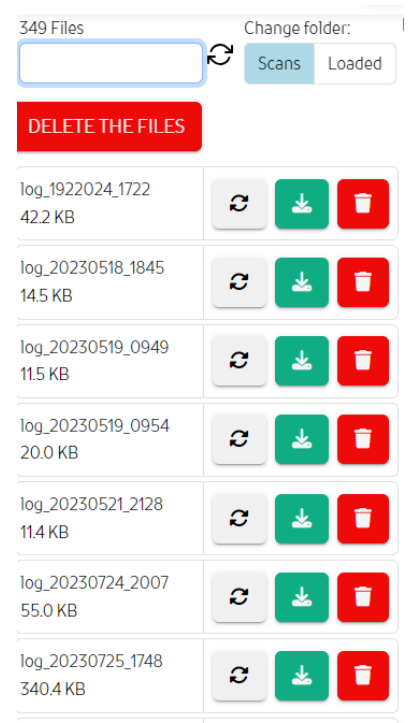
## ➤ Files

It displays all the **logs** performed and stored in the **SD card**. It's possible to delete all the files in the folder using a single button, search the files and change the folder to see the files uploaded via FTP.

The possible actions are:

- **Convert files (white button):** download an excel file, not encrypted (only with an active license).
- **Download (green button):** download an encrypted file to import into btstracker.com.
- **Delete (red button)**
- **Upload files (blue button):** possible by using APN and FTP (according to the APN and FTP settings on the Settings page). It necessary to enable FTP and APN.

Using the **“Change Folder” button (on the upper-right corner)**, you can see the **“loaded scans”**.



## ➤ Settings

- Change the **app language**
- Check for the “**Latest update available**” of the firmware version
- The button “**UPDATE**” will be displayed whenever a new version is available.
- The button “**DOWNLOAD**” of BTS Details downloads a file with the details of BTS (It's for technical use).
- The button “**Load file**” of the License. It's possible to upload the file of the license if the BTS Tracker doesn't find it automatically.

The screenshot shows the 'Settings' screen of the BTS Tracker app. At the top, there's a title bar with a question mark icon. Below it, the 'Language' section has a 'Select Language' dropdown menu. The 'Firmware' section displays 'Latest update available: 1.10.24022' and lists 'FIRMWARE VERSION' and 'WEB APP' both as 'V110.24022'. The 'BTS details' section features a red 'DOWNLOAD' button. The 'APN' section has an information icon and a red 'APN' button. The 'FTP' section has an information icon and a red 'FTP' button. At the bottom, there's a 'User manual' link and a question mark icon. A bottom navigation bar includes icons for Status, Scan, Map, Files, and Settings (which is highlighted).

### To update the BTS Tracker firmware:

1. Absolutely set up a **WIFI connection** with the BTS Tracker. The phone's hotspot is recommended to check the device connection.
2. The BTS Tracker must have the **SD Card inserted**.
3. Write your **WIFI name** (must be only one word, no special characters) and your **WIFI password**.
4. **Check the WIFI connection** on your device, the BTS Tracker lose the Bluetooth connection.
5. Wait until **it turns off** and then **turns back on**.
6. Connect the BTS Tracker with the app and **verify the firmware version** on the “Settings” interface.

The screenshot shows the 'Update Settings' dialog box. It has a title bar with the text 'Update Settings'. Below it, there's a 'WiFi name:' label and a text input field containing 'securubewifi'. A note below the field states: 'It can contains letters, numbers and characters \_ or -, must not contain spaces, special characters, or emoji.' Below this, there's a 'WiFi password:' label and a password input field with a toggle icon and a masked password '\*\*\*\*\*'. Another note below the field states: 'It can contains letters, numbers and characters \_ or -, must not contain spaces, special characters, or emoji.' A warning message follows: 'Warning: If the update is successful, the BTS Tracker restarts. Then reconnect it to the application.' At the bottom, there are two buttons: 'UPDATE' and 'CLOSE'.

## APN Settings

If you have a SIM card, you should set the **APN**.

Web search the APN according to the **mobile operator**; this will allow a better scan of the connected cells. By clicking the “**Set from default**” button, you can choose whether to set the APN which is selected based on the MCC–MNC of your SIM card.

Username and password are not required fields.

**APN - SIM 1**

APN: ibox.tim.it

User:

Password:

**APN - SIM 2**

APN: telefonica.es

User: TELEFONICA

Password:

SET FROM DEFAULTS

SET APN DELETE CLOSE

**List of APN**

Search:

SET 1 SET 2 Close

| APN                             | Country | Telephone Operator |
|---------------------------------|---------|--------------------|
| 1 Tim ibox.tim.it Italia        | Italia  | Vodafone           |
| 2 Movistar telefonica.es España | Italia  | Iliad              |
| 1 Italia                        | Italia  | Tim                |
| 2                               | Italia  | 3 Italia           |
| 1 Italia                        | Italia  | WindTre            |
| 2                               | Italia  | PosteMobile        |
| 1 Italia                        | Italia  | Fastweb Mobile     |
| 2                               | Italia  | LycaMobile         |

Status Scan Map Files Settings

## FTP Settings

If you have:

1. A **SIM card with APN enabled**
2. The **Phonelog Server** accessible from the **outside**

You can use it to transfer the log files automatically to the **FTP** (into **BTSlog** folder) to be able to upload them into the appropriate Phonelog section. This happens after **stopping the scan**.

At **file view** an “**Upload**” button will appear.

The file is moved to another folder on the SD if the upload is successful. After that it will no longer appear in the **scan** folder but in **loaded scans** folder.

To use it, you have to set up all the **settings for FTP**.

If you have set the settings and you don't want to use the upload, you can **disable** the use.

If you are using dual SIM functionality and have entered APN settings for each SIM, you need to **choose which one to use**.

**FTP**

FTP: 192.168.1.1

User: root@btslog.phonelog.it

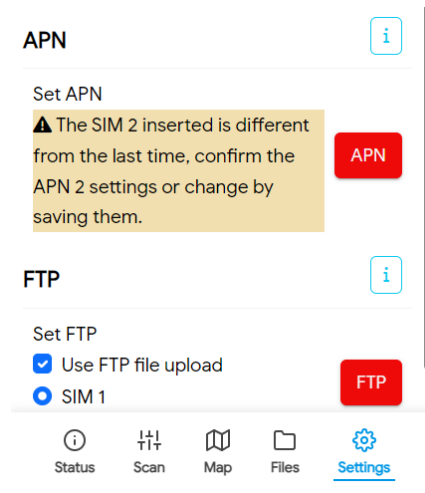
Password: \*\*\*\*\*

SET FTP DELETE

CLOSE

## General

All these APN and FTP settings are saved in a **configuration file in the SD card**. If the inserted SIMcard is changed, there will be a **notification** and a **warning** will be written. If after using two SIM cards you have one left, save the settings (the configuration file will save that you are using only one SIM).



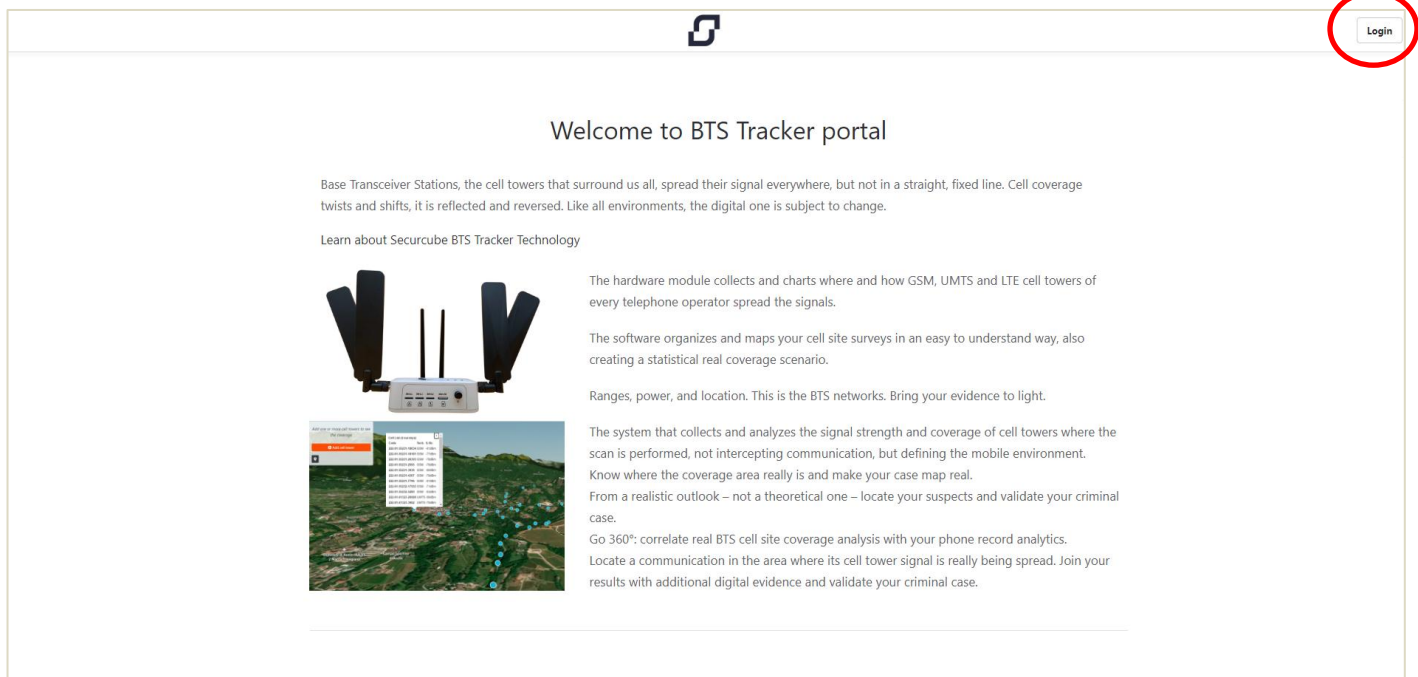
---

# **BTSTRACKER.COM**

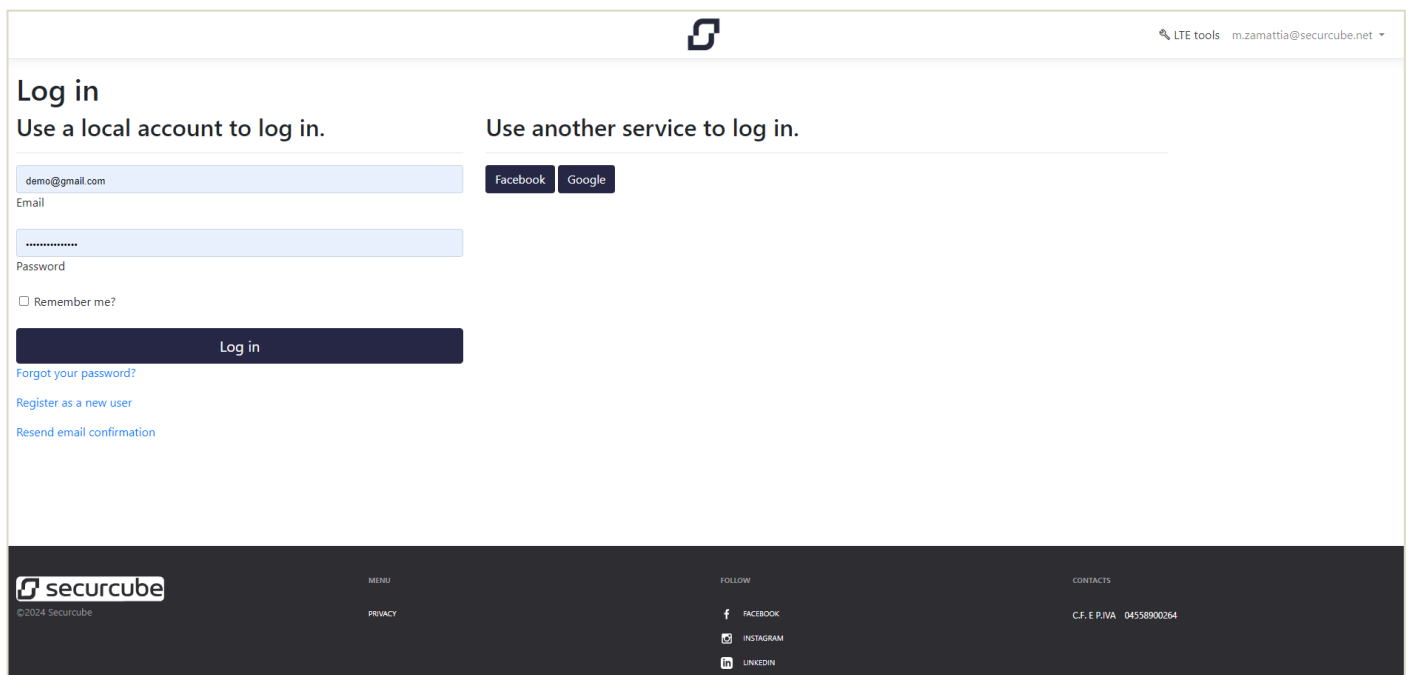
---

# 1. Log in to btstracker.com

By searching <https://btstracker.com>, this is the home page from which you log in.

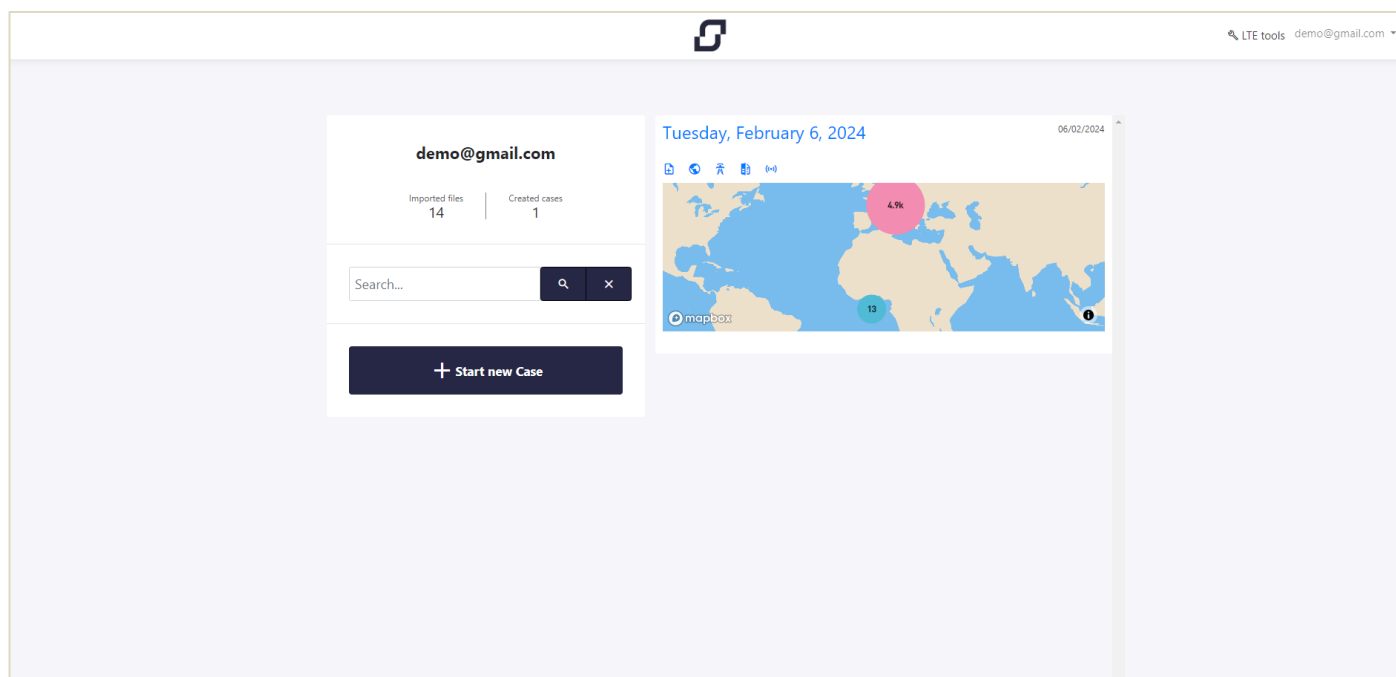


You can log in or register using a local account, otherwise log in using a Facebook or Google account.



## 2. Main page

This is the main page. You can create cases and preview those already created.



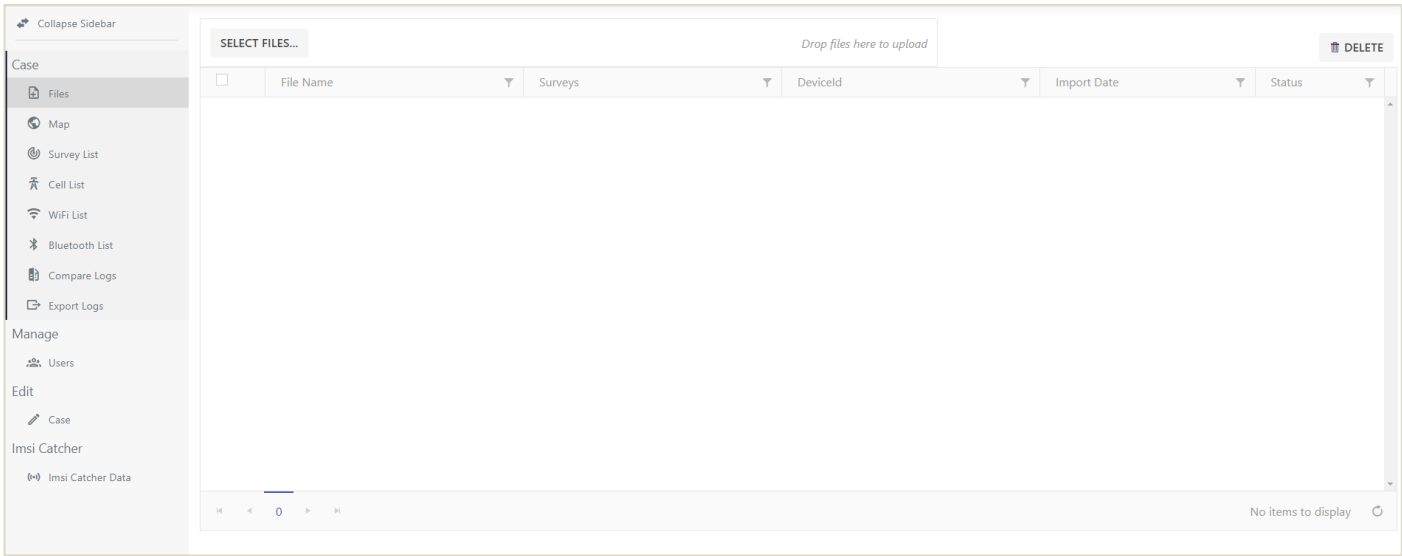
## 3. Create a Case

To create a case, you can enter information (name, date, subtitle, time zone and description)

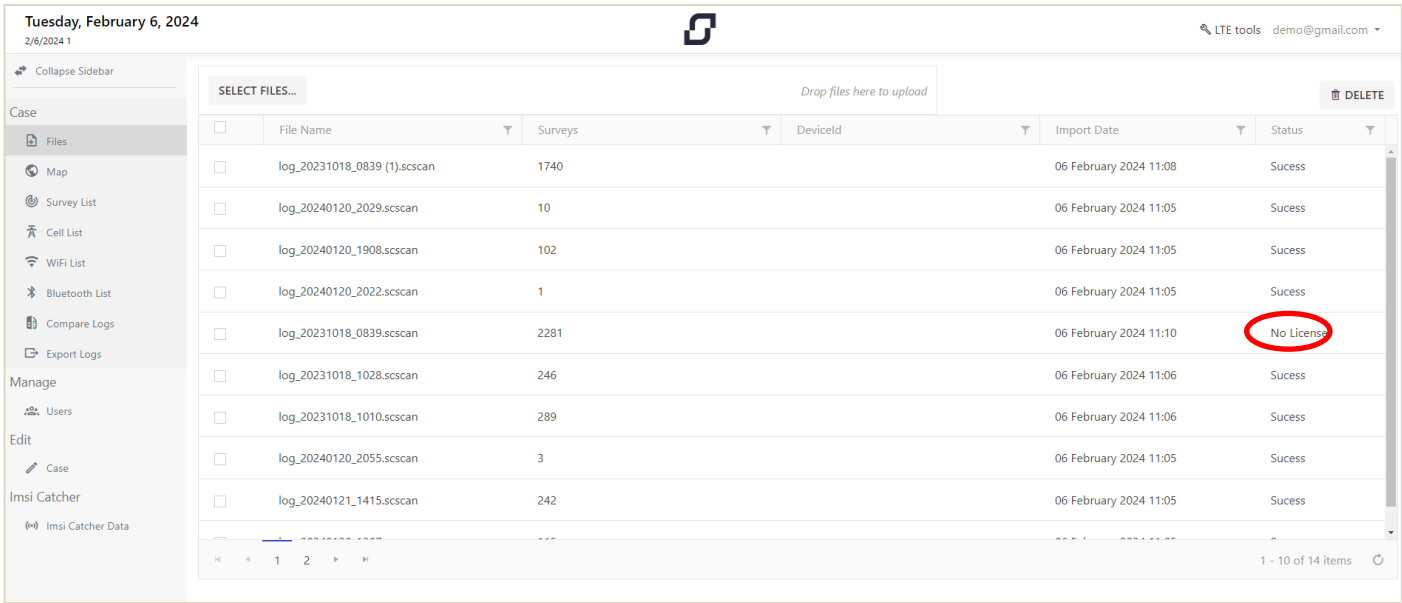
The screenshot shows the 'Create' form for a case. The form is titled 'Create' and 'BtsCase'. It has five input fields: 'Name' (with the value 'Friday, July 19, 2024'), 'CaseDate' (with the value '19/07/2024 00:00'), 'Subtitle' (empty), 'TimeZone' (a dropdown menu showing '(UTC) Coordinated Universal Time'), and 'Description' (empty). A 'Create' button is located at the bottom left of the form. The footer of the page contains the 'securcube' logo, copyright information '©2024 Securcube', a 'MENU' section with a 'PRIVACY' link, a 'FOLLOW' section with links to Facebook, Instagram, and LinkedIn, and a 'CONTACTS' section with the text 'C.F. E.R.I.V.A. 04558900264'.

# 4. File import

When the case is created, you are redirected to the file import page.



Select and import the encrypted files of your scans.



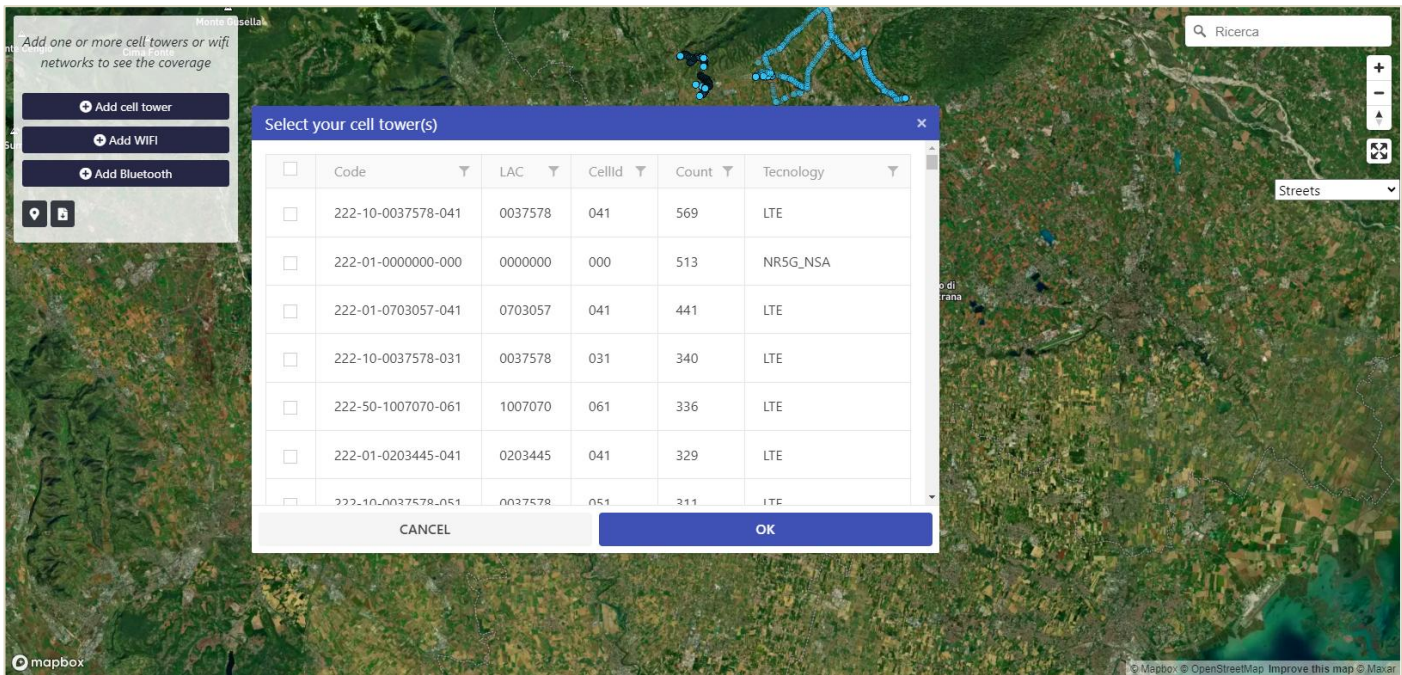
Check the status of the files. If the license is not present, the file is not imported.

# 5. Map

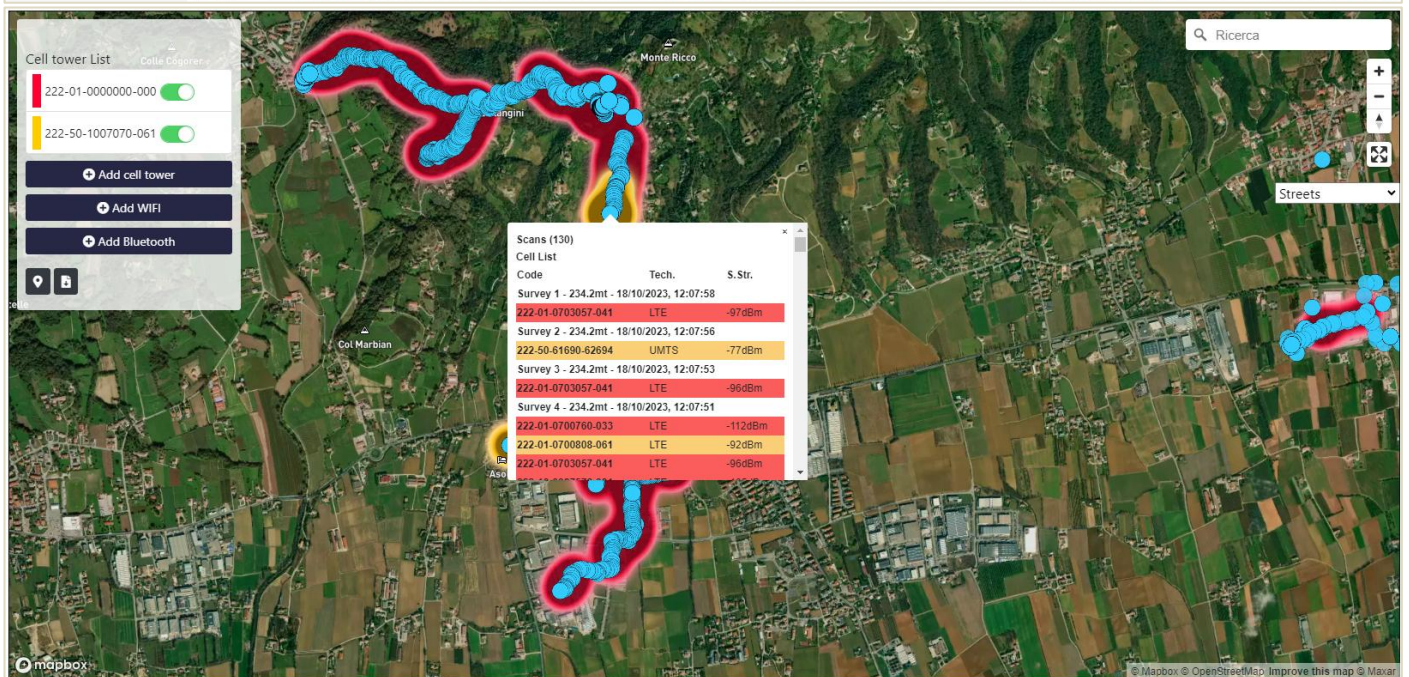
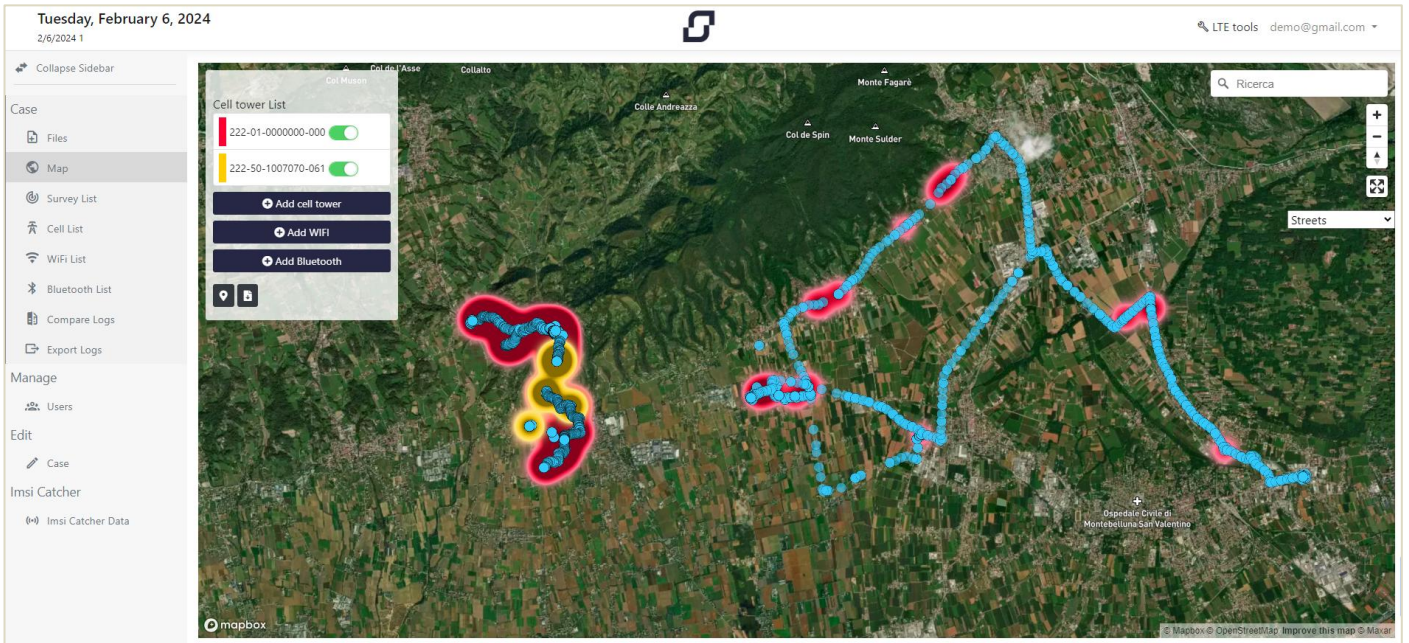
This is the map representation of the scans carried out. Each blue dot indicates a scan, by clicking the scan you will see the list of cells, WIFI or Bluetooth networks scanned in that position.



It is possible to select the cells or WIFI/Bluetooth networks of interest using the following buttons.



The scans where the selected cells or networks are present will be highlighted.



# 6. Survey list

Shows the list of scans with related information: date and time, location, device, scan type.

Tuesday, February 6, 2024  
2/6/2024 1

EXPORT TO EXCEL

| Date Time             | Latitude       | Longitude      | Type of G... | Speed | Accuracy | Survey Type | Device S/N       | File Name        |              |
|-----------------------|----------------|----------------|--------------|-------|----------|-------------|------------------|------------------|--------------|
| 10/18/2023 8:31:46 AM | 45.80320616... | 11.89466628... | Unknown      | 0     | 0        | WIFI_5_0    | 1a00363330510... | log_20231018_... | DETAILS EDIT |
| 1/21/2024 2:16:14 PM  | 45.7927903     | 11.9545663     | Unknown      |       | 100      | CONNECTED   | 18002d333051...  | log_20240121_... | DETAILS EDIT |
| 10/18/2023 8:36:03 AM | 45.80319896... | 11.89464448... | Unknown      | 0     | 0        | WIFI_5_0    | 1a00363330510... | log_20231018_... | DETAILS EDIT |
| 10/18/2023 8:38:20 AM | 45.80340526... | 11.89464713... | Unknown      | 0     | 0        | CONNECTED   | 1a00363330510... | log_20231018_... | DETAILS EDIT |
| 1/20/2024 9:44:47 PM  | 45.79217078... | 11.9759699     | Unknown      | 37.04 | 0        | CONNECTED   | 18002d333051...  | log_20240120_... | DETAILS EDIT |
| 1/21/2024 2:25:37 PM  | 45.7924913     | 11.9631794     | Unknown      |       | 365.352  | CONNECTED   | 18002d333051...  | log_20240121_... | DETAILS EDIT |
| 1/21/2024 2:25:56 PM  | 45.7924913     | 11.9631794     | Unknown      |       | 365.352  | CONNECTED   | 18002d333051...  | log_20240121_... | DETAILS EDIT |

1 - 100 of 4941 items

Collapse Sidebar

Case

- Files
- Map
- Survey List
- Cell List
- WiFi List
- Bluetooth List
- Compare Logs
- Export Logs

Manage

- Users

Edit

- Case

Imsi Catcher

- Imsi Catcher Data

It's possible to see the details.

Date Time  
10/18/2023 8:31:46 AM

Device  
1a00363330510b38363436

Survey Type  
WIFI\_5\_0

Bearing

Speed  
0

GPS settings

GPS used:

- Unknown
- Latitude:  
45.80320616666667
- Latitude:  
11.894666283333333

Save

List of results for this scan

| Mac address       | Name               | Signal | Encryption type | Frequency |
|-------------------|--------------------|--------|-----------------|-----------|
| 2A:95:DD:9B:A3:9E | fjdhd              | -65    | WPA2 AES        | WIFI_2    |
| 98:00:6A:2A:2F:DA | Wind3 HUB - 2A2FDA | -82    | WPA2 AES        | WIFI_2    |
| 98:00:6A:2A:2F:DB | Wind3 HUB - 2A2FDA | -82    | WPA2 AES        | WIFI_5_0  |
| B0:F2:08:2F:B5:EB | Menta&Rosmarino    | -87    | WPA2 AES        | WIFI_2    |

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## 7. Cell list

Shows the list of cells with the related information: code, technology, power, type, position and technical data of the cell.

| EXPORT TO EXCEL        |          |        |             |       |           |           |           |         |           |         |     |           |        |       |  |
|------------------------|----------|--------|-------------|-------|-----------|-----------|-----------|---------|-----------|---------|-----|-----------|--------|-------|--|
| Code                   | LAC      | Cellid | Technolo... | Power | Cell Mode | Lat       | Lon       | Typ...  | File ...  | Speed   | PCI | Eci       | Arfcn  | TAC   |  |
| 222-01-0700751-061     | 07007... | 061    | LTE         | -80   | Connected | 45.807... | 11.972... | Unkn... | log_20... | 26.1132 | 294 | 179392... | 6300   | 16803 |  |
| 222-01-0701814-043     | 07018... | 043    | LTE         | -95   | Connected | 45.792... | 11.910... | Unkn... | log_20... |         | 447 | 179664... | 1350   | 16808 |  |
| 222-01-0000000-000     | 00000... | 000    | NR5G_NSA    | -111  | Connected | 45.792... | 11.910... | Unkn... | log_20... |         | 117 |           | 154570 |       |  |
| 222-01-0207326-033     | 02073... | 033    | LTE         | -92   | Connected | 45.805... | 12.038... | Unkn... | log_20... | 0       | 144 | 530754... | 275    | 16808 |  |
| 222-01-0700396-031     | 07003... | 031    | LTE         | -99   | Connected | 45.803... | 11.896... | Unkn... | Andat...  | 1.1112  | 5   | 179301... | 275    | 16804 |  |
| 222-01-0000000-000     | 00000... | 000    | NR5G_NSA    | -99   | Connected | 45.803... | 11.896... | Unkn... | Andat...  | 1.1112  | 178 |           | 650688 |       |  |
| 222-10-00374...        | 00374... | 032    | LTE         | -95   | Connected | 45.803... | 11.895... | Unkn... | log_20... | 1.852   | 278 | 9598752   | 1850   | 22087 |  |
| 1 - 100 of 11750 items |          |        |             |       |           |           |           |         |           |         |     |           |        |       |  |

## 8. List of WIFI networks

Shows the list of WIFI networks with related information: MAC address, name, power, encryption type, network type and location.

| EXPORT TO EXCEL       |                          |        |                   |        |                   |                    |  |      |
|-----------------------|--------------------------|--------|-------------------|--------|-------------------|--------------------|--|------|
| Mac                   | Name                     | Signal | Encryption        | Type   | Latitude          | Longitude          |  |      |
| 10:0C:6B:65:7E:21     | Wind3 HUB - 2A2FDA_2GEXT | -86    | WPA/WPA2 AES&TKIP | WIFI_2 | 45.80319453333333 | 11.894652016666667 |  | EDIT |
| 98:00:6A:2A:2F:DB     | Wind3 HUB - 2A2FDA       | -86    | WPA2 AES          | WIFI_5 | 45.80319453333333 | 11.894652016666667 |  | EDIT |
| 5C:62:8B:8F:1C:36     | EXTENDER WIFI P2 2.4 GHz | -87    | Open security     | WIFI_2 | 45.80319453333333 | 11.894652016666667 |  | EDIT |
| 10:0C:6B:65:7E:20     | Wind3 HUB - 2A2FDA_5GEXT | -90    | WPA/WPA2 AES&TKIP | WIFI_5 | 45.80319453333333 | 11.894652016666667 |  | EDIT |
| 1C:61:84:08:44:8D     | EOLO_CASTE               | -91    | WPA2 AES          | WIFI_2 | 45.78201826666667 | 11.968254483333334 |  | EDIT |
| 3C:A6:2F:B0:2E:D4     | EOLO - FRITZ!Box 7530 BV | -93    | WPA/WPA2 AES      | WIFI_2 | 45.78201826666667 | 11.968254483333334 |  | EDIT |
| 1E:61:84:28:44:8D     | -                        | -93    | WPA2 AES          | WIFI_2 | 45.78201826666667 | 11.968254483333334 |  | EDIT |
| 1 - 100 of 4848 items |                          |        |                   |        |                   |                    |  |      |

## 9. Bluetooth network list

Shows the list of Bluetooth networks with related information: MAC address, name, power, remote type, network type and location.

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Imsi Catcher Data

EXPORT TO EXCEL

| Mac               | Name        | Signal | Remote          | Type   | Latitude          | Longitude          |      |
|-------------------|-------------|--------|-----------------|--------|-------------------|--------------------|------|
| 73:74:CD:0F:EE:18 | -           | -94    | CON_UNDIRECT    | random | 45.78673766666667 | 11.989743666666667 | EDIT |
| 73:74:CD:0F:EE:18 | -           | -94    | SCAN_RSP        | random | 45.78673766666667 | 11.989743666666667 | EDIT |
| 58:A2:B4:7F:E7:56 | -           | -98    | CON_UNDIRECT    | random | 45.78673766666667 | 11.989743666666667 | EDIT |
| 34:D7:38:05:C0:43 | -           | -98    | NON_CONNECTABLE | random | 45.78673766666667 | 11.989743666666667 | EDIT |
| D0:08:D8:4D:AF:50 | MC701080539 | -92    | CON_UNDIRECT    | public | 45.78673766666667 | 11.989743666666667 | EDIT |
| D0:08:D8:4D:AF:50 | -           | -92    | SCAN_RSP        | public | 45.78673766666667 | 11.989743666666667 | EDIT |
| 62:74:80:F3:88:B0 | -           | -66    | SCAN_UNDIRECT   | random | 45.78673766666667 | 11.989743666666667 | EDIT |
| 62:74:80:F3:88:B0 | -           | -66    | SCAN_RSP        | random | 45.78673766666667 | 11.989743666666667 | EDIT |

1 - 100 of 530 items

## 10. Compare files

On this page you can compare cells and their signal between uploaded files.

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Imsi Catcher Data

EXPORT TO EXCEL

| Code               | Technology | Pci | Psc | Bsic | log_20231018... | log_20240120... | log_20240120... | log_20240120... | log_20231018... | log_... |
|--------------------|------------|-----|-----|------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|
| 222-99-0238364-020 | LTE        | 49  |     |      |                 |                 |                 |                 |                 |         |
| 222-01-0000000-000 | NR5G_NSA   | 178 |     |      |                 |                 |                 |                 |                 |         |
| 222-01-0701814-043 | LTE        | 447 |     |      |                 |                 |                 |                 |                 |         |
| 222-01-0000000-000 | NR5G_NSA   | 117 |     |      |                 |                 |                 |                 |                 |         |
| 222-99-24543-62694 | UMTS       |     | 40  |      |                 |                 |                 |                 |                 |         |
| 222-99-24543-62694 | UMTS       |     | 146 |      |                 |                 |                 |                 |                 |         |
| 222-99-24543-62694 | UMTS       |     | 209 |      |                 |                 |                 |                 |                 |         |
| 222-99-0238030-012 | LTE        | 58  |     |      |                 |                 |                 |                 |                 |         |
| 222-88-24543-62694 | UMTS       |     | 40  |      |                 |                 |                 |                 |                 |         |
| 222-88-24543-62694 | UMTS       |     | 146 |      |                 |                 |                 |                 |                 |         |
| 222-88-24543-62694 | UMTS       |     | 209 |      |                 |                 |                 |                 |                 |         |
| 222-50-24543-62694 | UMTS       |     | 40  |      |                 |                 |                 |                 |                 |         |

1 - 50 of 11750 items

## 11. Exports

Using the Export Logs button, a table file is produced containing all the scans carried out; this can be imported into our Phonelog data analysis software.

# 12. Users

You can manage which users can view and work within the case.

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Add user to case

Insert user email...

Add

Users of the case:

demo@gmail.com

# 13. Case

You can edit the case information.

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Edit

Name

Tuesday, February 6, 2024

CaseDate

06/02/2024 00:00

Subtitle

TimeZone

(UTC) Coordinated Universal Time

Description

Save