

Quick Evaluation Guide: Molex TrackLabel BLE Printable Asset Labels

Revision: September 30, 2025



Introduction

This document outlines procedures for users to perform a functional evaluation of the Molex TrackLabel BLE smart label. It includes step-by-step instructions to assess the TrackLabel BLE smart label using a free BLE scanner application, which is compatible with Android and iOS devices equipped with Bluetooth.

Before starting the evaluation process, users should refer to the link below to review the preliminary TrackLabel datasheet and access basic information about the TrackLabel product.

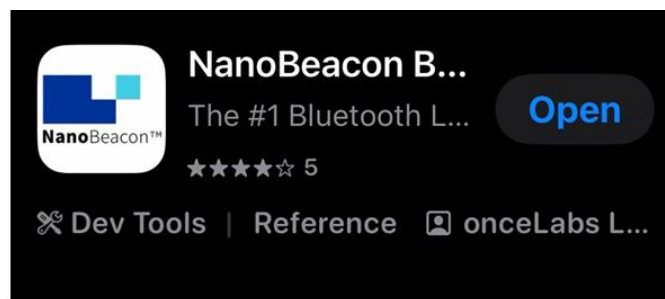
[Molex Introduces TrackLabel BLE Printable Asset Labels | Molex](#)

Evaluation Procedure

Download mobile app

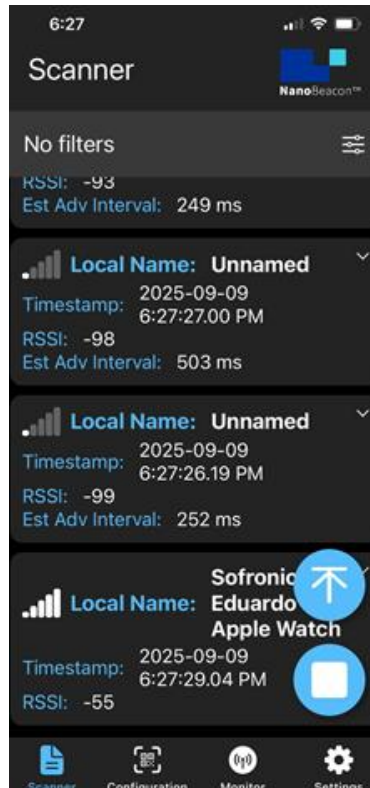
- To get started, open either the Google Play Store on Android devices or the Apple App Store on iOS devices and search for "NanoBeacon." Once you find the app, tap the download or install button and follow any

on-screen prompts to complete the installation. The NanoBeacon app will allow you to scan for nearby Bluetooth Low Energy (BLE) devices, which is essential for detecting compatible beacons and managing connections during setup or troubleshooting.



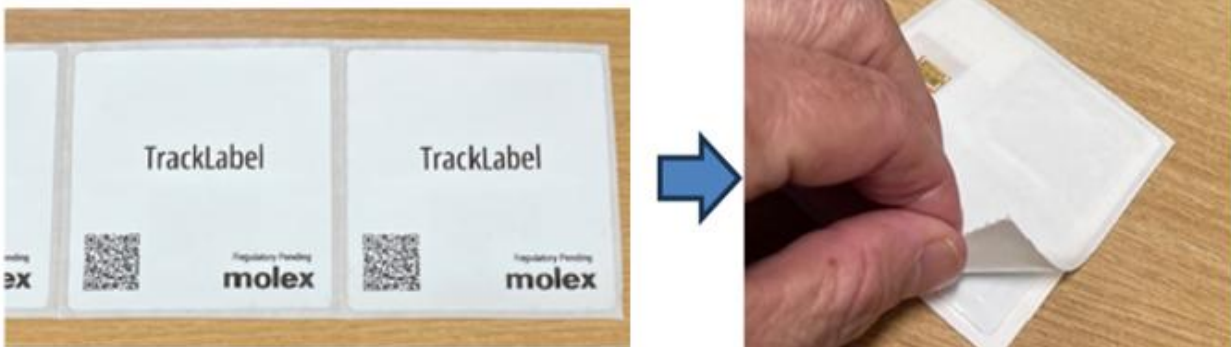
Note: Make sure your smart device has the Bluetooth function enabled before launching the NanoBeacon app for optimal performance.

- Launch the **NanoBeacon** mobile application on your smartphone or tablet.
 - For iOS devices, the application will automatically scan for and detect all nearby BLE beacon devices.
 - For Android devices, you may need to tap the play icon  to initiate scanning.



Activation of TrackLabel

Carefully detach an individual TrackLabel from the other smart labels by tearing along the perforated edges to prevent any damage. After separation, gently remove the liner from the adhesive side of the TrackLabel. This process activates the label, initiating broadcast of data via BLE, as shown below.



Please ensure that the activation circuit is fully **detached** by inspecting the underside of the TrackLabel after removing the release liner and confirm that it matches Figure A below. An example of an improperly activated TrackLabel is provided in Figure B.

Failure to verify proper detachment will prevent successful activation, and the TrackLabel will not initiate **beaconing**. **Once verified, proceed to activate the next TrackLabel.**

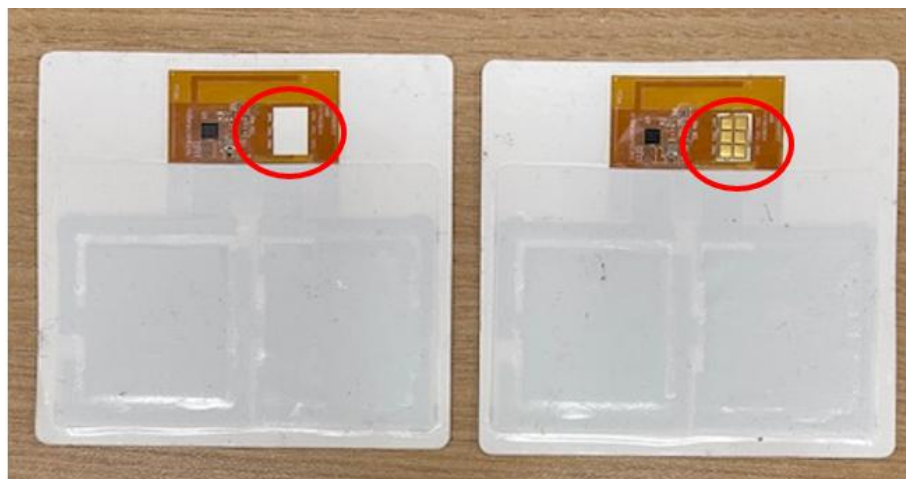


Figure: A

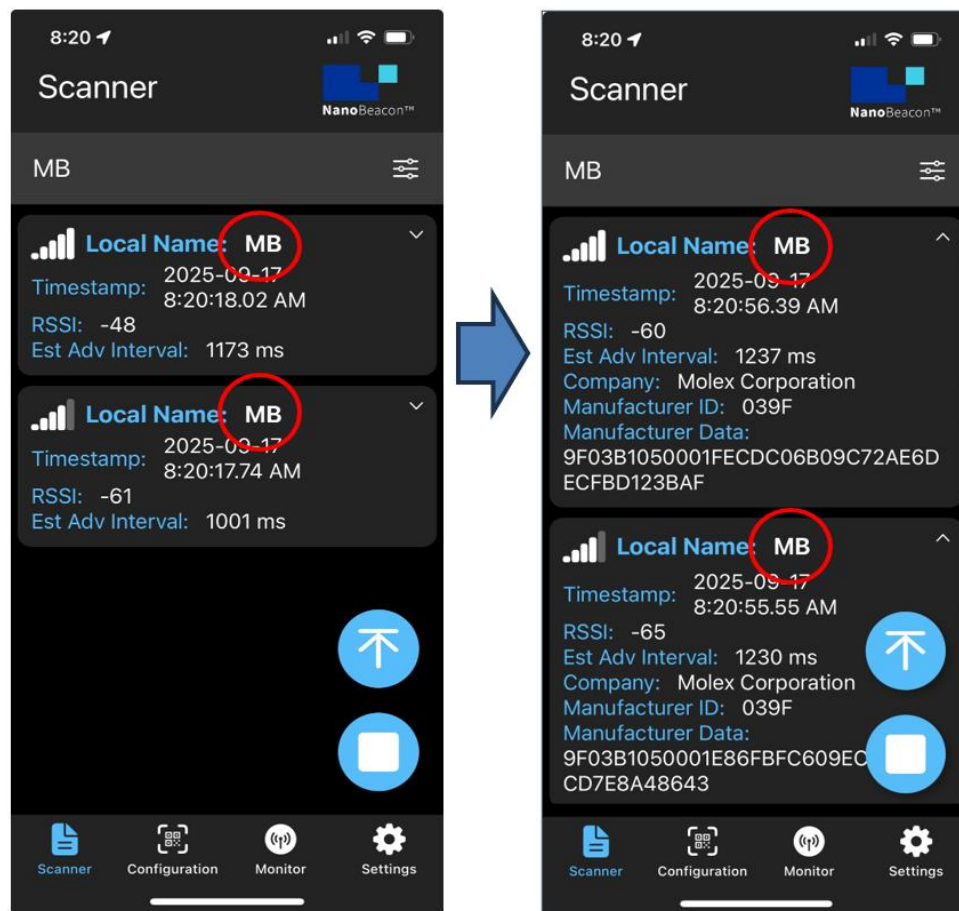
Figure: B

Note: Though failure of the activation circuit removal is very rare, if it does occur, contact Molex Technical Support for a replacement.

The NanoBeacon mobile app should now detect and receive advertised data from the activated TrackLabel.

The data viewing process can be streamlined by enabling filtering within the NanoBeacon mobile app using the following steps:

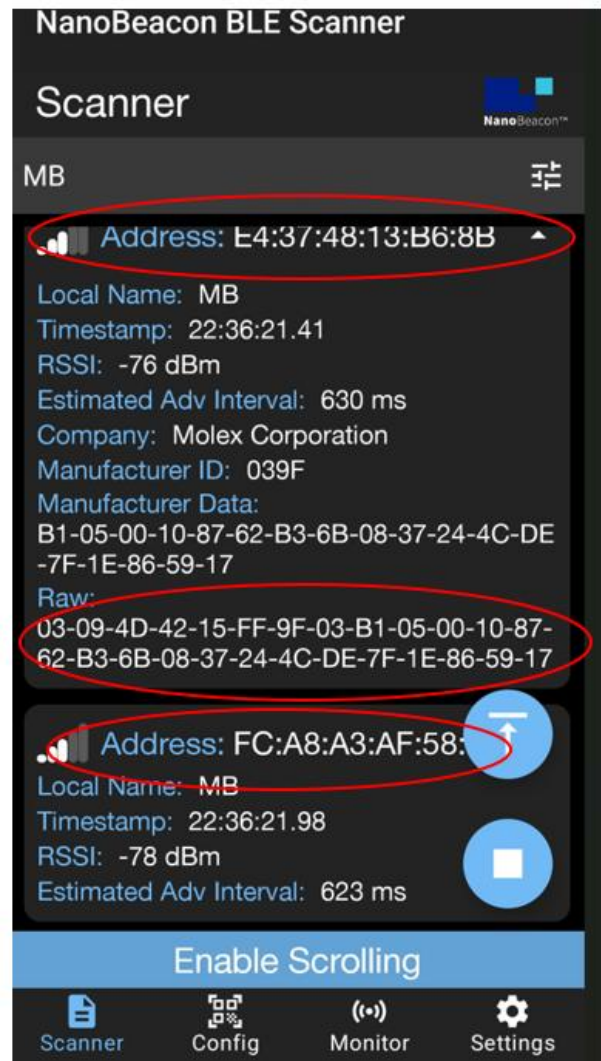
- Open the filtering options drop-down in the app by tapping the  icon.
- In the **Name** filter field, enter "**MB**", which stands for Molex Beacon.
- Tap the  icon to close the filtering options drop-down and display only devices with names containing "MB," simplifying identification of the activated TrackLabels.
- After applying the filter, the NanoBeacon mobile app will display data only from activated TrackLabels that are within read range, identified as "MB." As illustrated below.

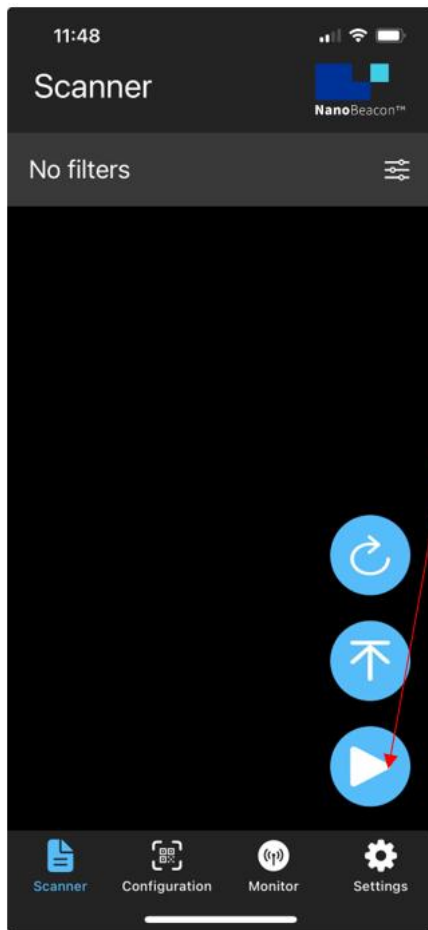


- Tap on the individual devices to view additional device data.

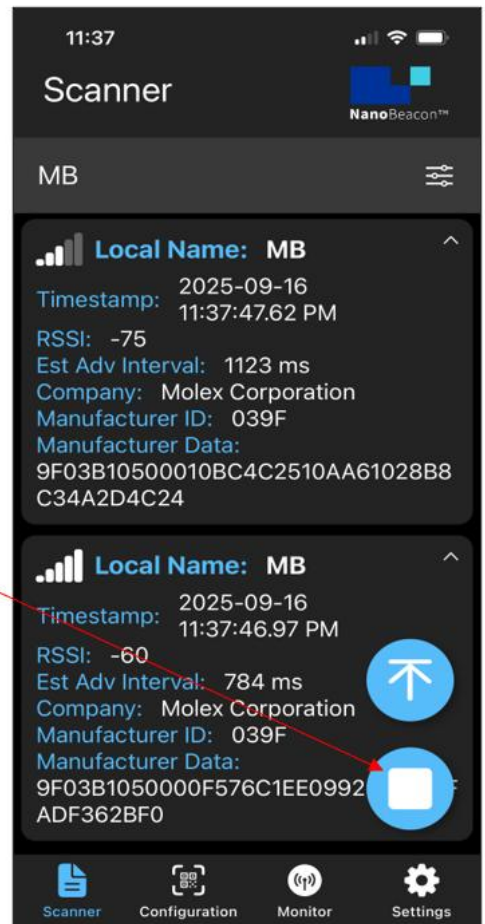
Notes: For Android smartphones

1. Raw data is included in the display by default.
2. BLE device MAC addresses in also included in the display.



**Notes:**

- This icon indicates the app is not scanning devices
- Tap on the icon to start the scanning devices
- Tap again to stop scanning process.



Technical Support

For additional technical support or detailed information regarding decoding the TrackLabel data payload, including the integration of sensor data into a system, please contact:

Eduardo (Ed) Tan

Title: Engineer, Applications and System

Department: PCS Engineering - Molex LLC

Email: ed.tan@molex.com

Phone: +1 952-229-1507

Mobile no. +1 612-817-9385

Certification Statements

FCC Regulation Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must be at least 20 cm from the user and must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC 15.21 statement: Any changes or modifications made to this device that are not expressly approved by Molex, LLC could void the user's authority to operate the equipment.

ISED Regulation Statement

This device complies with Innovation, Science and Economic Development Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- 1) This device may not cause interference; and
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with the IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Cet appareil est conforme aux flux RSS exemptés de licence d'Innovation, Science et Développement économique Canada. L'opération est soumise aux deux conditions suivantes:

- 1) Cet appareil ne doit pas provoquer d'interférence; et
- 2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Cet équipement est conforme aux limites d'exposition aux rayonnements de la norme IC RSS-102, définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé en maintenant une distance minimale de 20 cm entre le radiateur et votre corps.