

How to check if my end-device is emitting?

Network Server procedure – EXTERNAL

Code **FE-007**
Owner IoT Department

Versions

Version	Date	Auteur	Modification
V1.0	08/06/2023	AAU	Document Creation
V1.0	09/04/2024	MLM	Homogénéisation des documents
V1.1	17/12/2025	VDE	Mise à jour code et lien

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1. INTRODUCTION

This procedure aims to present the two different ways to check if an already-deployed device is emitting correctly. Orange Live Object and ChirpStack are both LoRaWAN Network Server. They provide a visualization of the messages sent by the registered end-devices with information about RSSI and SNR.

Their User Interface allow us to check if our deployed end-device works and emits well.

If your device is registered on **Orange Live Object**, go to 2.1. section.

If your device is registered on **ChirpStack**, go to 2.2. section.

2. END-DEVICE TRANSMISSION CHECK

2.1. With **Orange Live Object**

- Go to Orange Live Object platform: [<https://liveobjects.orange-business.com/#/login>]
- Ask to iot-smf@socotec.com for credentials.
- Go to “Parc” section.



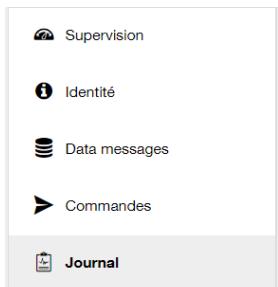
- Click on “Tous les équipements”



- Click on “DevEUI” filter and enter the complete DevEUI or part of it.



- Click on the device and go to “Journal” section.

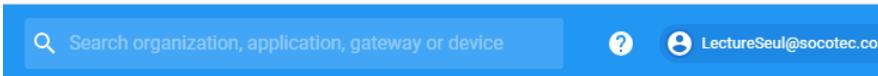


- You have access to the last messages sent by the end-device. By clicking on a message, you can access to the details of the frame (payload, RSSI, etc.)

Date	Niveau	Description	Description détaillée
09/06/2023 10:38:12	INFO	Uplink	Payload: 4620000039FD00000000
09/06/2023 10:18:12	INFO	Uplink	Payload: 4600000039FD00000000

2.2. With **ChirpStack**

- Go to SMF ChirpStack platform: [\[http://54.74.137.23:8080/#/login\]](http://54.74.137.23:8080/#/login)
- Ask to iot-smf@socotec.com for credentials.
- Go to “Search” section.



- Enter the complete DevEUI or part of it (you can also search by Serial Number).
- Click on the device's name you found.

Kind	Name	ID
device	OA002528 organization: ChirpStack PROD; application: TiltLog	aaaaa000001002528

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- Go to “LORAWAN FRAMES” section.

Applications / TiltLog / Devices / OA002528

DETAILS	CONFIGURATION	ACTIVATION	DEVICE DATA	LORAWAN FRAMES
<div style="border: 1px solid #ccc; padding: 5px;"> Jun 09 11:01:08 AM UnconfirmedDataDown 868.5 MHz SF7 BW125 FPort: 0 FCnt: 5276 DevAddr: 0a002528 GW: ac1f09fffe0cd1f3</div>				
<div style="border: 1px solid #ccc; padding: 5px;"> Jun 09 11:01:08 AM UnconfirmedDataUp 868.5 MHz SF7 BW125 FPort: 2 FCnt: 0 DevAddr: 0a002528</div>				
<div style="border: 1px solid #ccc; padding: 5px;"> Jun 09 10:41:06 AM UnconfirmedDataDown 867.5 MHz SF7 BW125 FPort: 0 FCnt: 5275 DevAddr: 0a002528 GW: ac1f09fffe0cd1f3</div>				