

## **JBM CAMPLLONG S.L.U. - 54904**

### Global Telefonica Device on Boarding Report

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**Addressed to:** JBM CAMPLLONG S.L.U.

**Manufacturer:** JBM CAMPLLONG S.L.U.

**Device Type:** M2M Device

**Model:** Manufacturer reference: WL932  
Distributor reference: 54904

**Technology:** NB-IoT

**SW Version:** V0.3

**Date:** 30/10/2025

**Photo:**



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**JBM CAMPLLONG S.L.U. - 54904** end device, in its V0.3 version, **is compatible** with Telefónica IoT/M2M solution according to specific functionalities tested in the mobile networks specified.

Some issues have been detected and they may affect device functionality.

**JBM CAMPLLONG S.L.U.** shall deliver to Telefonica a solution plan to solve open issues.

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Madrid, 30<sup>th</sup> October 2025

To whom it may concern,

Please, be informed the **JBM CAMPLLONG S.L.U. - 54904** has finished IoT/M2M Device on Boarding process according to the data detailed in this testing report.

## 1. Testing result <sup>1</sup>

As a result of Device On Boarding process, Telefonica has verified that the tested device under testing, **JBM CAMPLLONG S.L.U. - 54904** has 11 non-blocking issues.

Summarizing, this document records all the issues found, and Telefonica strongly recommends solving, as soon as possible:

- "P3-Medium" issues (2) because they might affect the device functionality.
- "P4-Low" issues (9) are related to those features to take into account. Telefonica's recommendation is to solve them to achieve important product improvements.

It is important to point out that:

- **Device behaviour regarding retry scheme has the following highlights**
  - DuT does follow Telefonica's recommended retry/reboot scheme for V16 traffic beacons.
- **IoT Device Control feature from Telefónica Kite Platform is partially supported** by this version of the device under testing.
- **Subscription SWAP<sup>2</sup> is out of the scope** for this device under testing.

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<sup>1</sup> Please, refer to Annex IV for more detailed information about bug priority.

<sup>2</sup> eUICC remote provisioning" is the feature standardized by the GSMA "SGP.02 - Remote Provisioning Architecture for Embedded UICC Technical Specification. Version 3.2"



## 2. Tested version

The tested version is:

	Device under Testing
Model version	54904
SW/FW version	V0.3
HW version	S2-10F2Q
S/N, IMEI	861269084697050, 861269084759629
Module Model	54904
Module SW version	2212B07Y7080E-240506 <sup>3</sup>
Chipset Model	XY1100

## 3. Scope of testing

The testing of **JBM CAMPLLONG S.L.U. - 54904** has been executed using Telefonica Live Country mobile communications network and infrastructure as a reference network and Global Kite Platform as the Telefonica managed connectivity platform.

DEKRA Testing and Certification, S.A.U., as the Telefonica Global Testing House, has performed the testing according to Telefónica IoT/M2M Device on Boarding testing plan for Device on Boarding service.

The testing dates have been:

- Start of Testing: 22/09/2025
- End of testing: 29/10/2025

The testing scope has been Level 100%, based on the following testing blocks:

General testing
<ul style="list-style-type: none"> <li>- Management &amp; Setup</li> <li>- Certificates &amp; Documents</li> <li>- V16 Traffic Beacon Functional Testing</li> <li>- Conformance Clot</li> <li>- Connectivity</li> <li>- RAT Independent</li> <li>- SAT USAT</li> <li>- Use Case</li> <li>- Performance Battery</li> <li>- Satellite Positioning</li> <li>- Synchronized Behaviour</li> <li>- OTA FW Upgrade</li> <li>- Management Platform</li> <li>- Release management</li> <li>- Antenna Quality</li> <li>- RPM</li> </ul>



- Serial Port FW Upgrade - Performance
<b>IoT/M2M Platform</b>
- Kite Platform - Retry Scheme
<b>Radio testing</b>
- NB-IoT

## 4. Testing environment

The testing environment has been:

Communication features	
Live NB-IoT frequency bands tested:	B20 (800MHz)
Live mobile network:	Spain
IoT/M2M platform features	
IoT/M2M platform:	Telefonica Kite Platform
SIM card type:	Telefonica Spain UICC (Global SIM); electrical profile: M16 / E14 Telefonica Spain eUICC; electrical profile: E02 (ProfileType "ES-A16-VS-00215")
APN:	m2mtrial.telefonica.com balizadgt.movistar.es
Lab resources	
Network simulators:	Anite R&S CWM500
SIM tracer:	Comprion

## 5. Testing results.

Testing has finished with **11** bugs: 2 bugs with priority P3 (Medium) and 9 bugs with priority P4 (Low/Notification).

Please, refer to Annex I for more detailed information about open bugs.

Please, refer to Annex II for more detailed information about testing results.

<sup>3</sup>SW version validated by Telefónica IoT & Big Data TECH ([https://okapi.telefonica.com/iot\\_modules/](https://okapi.telefonica.com/iot_modules/))



## a. Highlights of the testing.

- Mandatory regulatory certificates (CE, RoHS and MPE) were provided after finishing the testing, delaying the end of testing date.
- DuT always register on the network with the same delay, it does not emply a randomised pattern for signalling.
- Testing has been executed considering ACK in the communication of the DuT, but DGT certification does not require such a feature. DuT does not consider ACK reception for its behaviour.
- DuT does follow the Telefónicas recommended retry/reboot scheme for V16 traffic beacons.
- DuT does not support the following features:
  - OTA FW upgrade.
  - Radio Policy Manager (RPM).
  - 3GPP Release change.
  - Reporting location to Telefónica Kite IoT Applet Platform.
- Subscription SWAP testing is out of the scope for this device.

## b. Device Performance Information

	Device Under testing
Model version	54904
HW Version	V0.1
SW/FW version	S2-10F2Q
3GPP Release	Rel. 14
PDP context activation time and PDN connectivity opening (TC-MIPLF-PRFTC-001a) <sup>4</sup>	NB-IoT: ON --> "Activate Default EPS bearer accept" message: 6 sec
Reselection signal strength (TC-RATIN-OPCHG-001a)	Blocked: DuT does not keep idle state
Consumption in a communication cycle	0.31 Wh
Avg. current drain	139 mA
Test Cases not supported by DuT	14
Blocked Test Cases	17 <sup>5</sup>

<sup>4</sup> Tested in initial Device on Boarding process.

<sup>5</sup> TC blocked due to DuT does not keep Idle state, DuT does not support RPM nor OTA FW upgrade and scenario not available.



### c. IoT Device Control Information

	Device Under testing
Collect device capabilities	Yes
Reset device	Yes
Error case. MO SMS restricted.	Yes
IMEI	Yes
Location	No (Bug 155441)
Signal Strength	N/A
Radio Technology supported	N/A
Radio Technology in use	N/A
Battery Level	N/A
DuT switched OFF	Yes
Check IMEI during PSM state	N/A
Check IMEI during eDRX state	N/A



## 6. Disclaimers

- This report describes the tests executed on a given device under testing and the results of these tests.
- The report does not mean nor imply approval nor rejection of the solution. It neither implies that other devices of this class, not even the same device, will behave the same in later tests or situations.
  - Telefónica does not commit to arrive to a certain result derived from these tests.
- This report refers only to the version tested by Telefonica.
- This report refers only to the setup (device, communications and platform) employed.
- This report does not have any effect on any functionality not tested.
- In any case, the device under testing shall fulfil Telefonica requirements according to TDDC (Telefonica Device Design Council).
- Telefonica will not be responsible of any damage or loss provoked by the device under testing.

Best Regards,

José Rubén García Muñoz

Alberto Ramos Pérez

On behalf of:  
Technology & Integration | AI of Things  
Telefónica IoT & Big Data TECH

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## ANNEX I: Open Bugs

From Khepera collaborative tool:

New bugs opened in this Software version:

Bug ID	Priority	Summary	High level analysis and impact
156477	P4-Low	Lack of support of OTA FW upgrade method	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: Unable to upgrade DuT FW remotely.
156597	P4-Low	[Regional] Samples management platform not provided	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: Unable to manage the DuT remotely.
156614	P4-Low	[Regional] Device is not able to enable and disable different 3GPP release	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: Unable to adapt the 3GPP release to the network.
156616	P4-Low	[Regional] Terminal profile - Several Toolkits commands are not supported	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: Some information is not reported to the UICC.

Existing bugs opened in previous Software versions during pre-testing at TheThinX:

Bug ID	Priority	Summary	High level analysis and impact
155446	P3-Medium	[Regional] Synchronized behaviour in one device	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: DuT behaviour is SLIGHTLY affecting network or other service users.
155447	P3-Medium	[Regional] Synchronized behaviour between devices	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: DuT behaviour is SLIGHTLY affecting network or other service users.
155387	P4-Low	[Regional] Not retry policy when ACK is missing	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: Some messages may not reach their destination.



Bug ID	Priority	Summary	High level analysis and impact
155423	P4-Low	[Regional] RPM is not supported by device	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: Feature not supported, therefore some test cases cannot be executed and were blocked.
155440	P4-Low	Service Request Form provided is not fulfilled with technical details	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: Unable to confirm and check some device specifications.
155441	P4-Low	[Regional] IoT Applet feature not reported: Location	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: Unable to know DuT's location via Telefonica's IoT Applet.
156127	P4-Low	[Regional] Device does not follow state diagram	Does the device follow 3GPP standard? <b>N/A</b> Does the device follow Telefonica requirements? <b>No</b> Impact: DuT does not behave exactly as reported.



## ANNEX II: Testing Details.

### a. History of testing

	End of Testing date	SW version
1 <sup>st</sup> Testing	29th October 2025	V0.3

### b. Bug tracking.

Bugs closed in this Software version:

Bug ID	Priority	Summary	Status	Details
156126	P2-High	[Regional] Wrong behaviour under roaming conditions	CLOSED - FIXED	Fixed in version: V0.3
155439	P4-Low	[Regional] Verification of NB-IoT bands between UECapabilityInformation and SRF	CLOSED - FIXED	Fixed in version: V0.3



## ANNEX III: Document version

Version	Date	Author	Reviewed Impact	Change	Change Description
1.0	30th October 2025	J. A. Alonso			Opening Version



## ANNEX IV: Telefonica bug Priority definition

Telefónica bug Priority		Severity	Highlight	Description	Examples
P1	Highest	Critical	Most important: showstopper, blocking.	DuT can NOT be approved with this bug.	Bug is blocking device running or product tests or security and there is no workaround. DuT is not presenting mandatory certificates/documents. DuT behaviour is affecting network or other service users.
P2	High	Medium	Very important, but not showstopper.	DuT's vendor must deliver a "solution plan": when it will be fixed. Telefonica will decide what to do then.	Bug is blocking device running or product tests or security and there is uneasy workaround.
P3	Medium	Low	Should be solved.	DuT's vendor should provide a solution but a wontfix is acceptable. Solution is less priority than P2 bug.	Bug is blocking device running or product tests or security but there is easy workaround. Bug is affecting secondary feature.
P4	Low	Notification	Something to highlight.	Something to consider for the future. The only difference between P3 and P4 is that the P3's is preferred to be solved before the P4's.	Improvement or inconvenience to consider. DuT behaviour is not following Telefonica device behaviour recommendations.

### Telefónica bug Severity

Severity field is in practice not considered for Telefónica to avoid the possibility of giving contradictory messages between the Priority and Severity fields

Please feel free to ignore it.

The default value is Critical, Medium, Low or Notification for bugs of priorities P1, P2, P3 and P4, respectively, but the testers could change it.

