

Cinterion® Support Package

SW07

BlueBox Testing & Analytics services



BlueBox Testing & Analytics

Design-In Consulting

Schematics, Layout Review

Hardware Consulting

Antenna, ESD, Spurious

Software / Application Consulting

ATC, USB, MUX, RIL

Approval Consulting

Protocol, Toolkit, SIM (SW, HW)

Production Consulting

Production line, End of Line

Motivation

Cellular devices are used in various environments and subjected to many field cases. It is possible that the performance of a device in a particular location is not as expected compared to the testing phase, thus leading to a drop of service.

Telit Cinterion offers a 'BlueBox' testing service featuring a cellular back link, closely monitoring and logging the defect system in the field. It provides testing capabilities for handover issues, data or voice performance, network accesses as well as reproduction of customer issues. The tracefiles are immediately downloaded over the mobile network. In this way, the analysis by our expert team can be performed in a very efficient manner, avoiding the need to send resources to a potentially remote location for an extended period.

Package Description

The BlueBox is a 12V based testsystem, which contains 2 evaluation modules (DUT + remote module), a Linux PC for automation and a 256-GB SSD for storing trace files. The modules can be switched on / off via GPIO pins from the Linux PC.

The target is to reproduce a customer issue or check field capabilities of the UE. For instance, an automated script which simulates a customer application (establish data connection with down-/uploads, VoLTE calls, SMS etc.) could



Package Offer

Package Content

- BlueBox Hardware device
- Power Supply

Requirements/Pre-Conditions

- Cinterion Cellular Module. Please confirm with your TS representative.
- Preparation of a test script for field testing or issue reproduction
- SIM cards according to specific local use case

Results/Outcome

- Diagnostic trace collection
- Logs deep analysis

be deployed and in the background the diagnostic traces are collected remotely.

Conclusion – Next

Our experienced engineers will be glad to share their expertise with you, to improve the hardware and software design of your application. We offer further project attendant services which may be valuable for your project. Feel free to contact our representative for further information.



Estimated effort:

2-5 working days

Telit Cinterion Deutschland GmbH
Werinherstraße 81
81541 Munich
Germany