

Cinterion® Support Package

HW02

Antenna Consulting

Customer Consulting

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

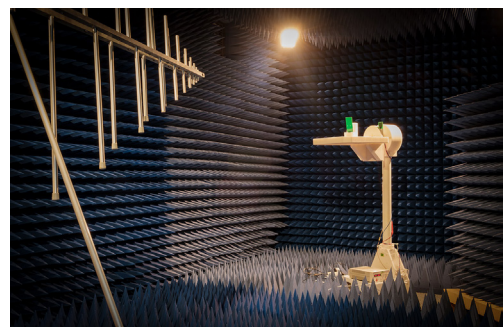
Motivation

The professional support during the development, deployment and ramp-up phases is one of the valuable qualities of Telit Cinterion. The goal of our Support is to increase the product-reliability, reduce the time to market and save money for our customers. Based on our long-term experience we have developed the most suitable support packages and workshops for each project phase.

Package Description

The antenna is a key element in a wireless application. The performance of the antenna influences both the quality of transmission (network coverage) and the generation and radiation of unwanted spurious emissions (harmonics of the transmission). Both topics are subject of FTA test.

The target of this support package is to help select, evaluate, integrate and optimize the appropriate antenna for your application.



Package Offer

Package Content

- | Evaluation of the radiated spurious emission according to ETSI EN 301 908-1, 3GPP TS 138 521-1 and EN55022
- | Check of the principle antenna and ground concept
- | Check of receiver self-interference
- | Check antenna performance with Vector Network Analyzer
- | Propose matching network with highly sophisticated optimization tool

Requirements/Pre-Conditions

- | Provide the hardware design at an early state of the design phase
- | Ensure the recommendations about antenna integration mentioned in HID are considered
- | Provide antenna data sheets and sketch of the preferred antenna placement

Results/Outcome

- | Test report with conclusions and recommendations about the antenna quality and potential design improvements

Conclusion – Next

Our experienced engineers will be glad to share their expertise with you and 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 - 7 working days

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