

Cinterion® Support Package

HW09

5G mmWave Beamforming Consulting

Security 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 reduce cost 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 one of the key elements in a wireless application. The performance of the antenna influences both the quality of transmission (network coverage) and the generation and radiation of unwanted emissions. With 5G and mmWave new challenges rise which require strong collaboration from the very beginning of your new application.

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



Package Offer

Package Content

- | Customer tailored mmWave support
- | Application unique beamforming characterization, calculation, verification and calibration based on the application
- | Validate the type, position and connection (e.g. FPC, FFC) of the mmWave antennas
- | RF-Card implementation to adjust the attenuation, modify the hardware connection table and bring up the codebook generation
- | Self-calibration in QSPR

Requirements/Pre-Conditions

- | Provide the hardware design (e.g. schematic, layout) at an early stage of the design phase for verification
- | Provide the application, access to peripherals e.g. USB and a user/ operation guide
- | Include a power supply, antenna design
- | Antenna track calculation and PCB stack up

Results/Outcome

- | Bring up and verification of mmWave performance
- | Customer specific mmWave firmware
- | Calibrated module/ profile

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:

3 - 4 Weeks

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