

DWM3001CDK SDK 0.1.1 Release Notes

Change Log

Initial release

Main Features

- Target supported: DWM3001CDK
- Content of the DWM3001C module : Nordic® nRF52833 BLE SoC + Qorvo® DW3110 UWB transceiver
- UWB Stack Version: R11.9.2
- Driver version: 6.0.14
- FiRa Ranging (TWR and 2D AoA)

Known issues

1. FiRa - CLI & UCI builds: Default radiation power value on Ch5 exceeds FCC limits.
2. FiRa - CLI build : Starting and stoping FiRa ranging application will crash after a number of cycles.
If a user sends command INITF, STOP, INITF, STOP, ... more than 100 times, the device will crash. The issue is identified and will be fixed in a future release.
3. FiRa - CLI build : Starting a FiRa session with invalid parameters leads to a software hang.
Starting a FiRa session using INITF/RESPF with invalid parameters will make the software irresponsive and the target needs to be reset. The issue will be fixed in a future release.
4. FiRa - CLI build : LFoM is not implemented.
Reporting LFoM (estimation of local AoA reliability) is not yet supported. It will be implemented in a future release.
5. FiRa - CLI build : Using STAT or DECA\$ commands during a ranging session as an initiator interrupts the ranging.
6. FiRa - UCI build : RSSI is not implemented.
Reporting RSSI (received signal strength indicator) is not yet supported. It will be implemented in a future release.

7. FiRa - UCI build: Calibration not implemented. It will be implemented in a future release.

Release folder structure

```
├── Binaries
│   ├── DWM3001CDK-DW3_QM33_SDK_CLI-FreeRTOS_0_1_1.hex
│   └── DWM3001CDK-DW3_QM33_SDK_UCI-FreeRTOS_0_1_1.hex
├── Doc
│   ├── DWM3001CDK_SDK_Developer_Guide_0.1.1.pdf
│   ├── DWM3001CDK_SDK_Release_Notes_0.1.1.pdf
│   ├── DW3xxx_Driver_API_Guide_6.0.14.pdf
│   └── uwb-stack-R11.9.2.pdf
└── Sources
    └── DWM3001CDK-FreeRTOS-DW3_QM33_SDK_0_1_1.zip
```