



Qorvo Nearby Interaction Accessory Release Notes

Change Log

Release: 3.0.0

Date: 2022-12-08

Main Features

- UWB Stack Version: R11.9.2.
- Driver version: 6.0.14.
- NIQ library version: 1.1.0.0.
- Fine Ranging (TWR and 2D AoA).
- Accessory low current consumption software design.
- BLE Services required for Background mode.
- BLE messages to trigger iOS notifications.

Known issues

- All projects : Antenna delay are not calibrated, causing the TWR distance offset.
- All projects : Distance and AoA offsets can only be manually calibrated and hardcoded.
- AoA chip : Reporting LFoM (estimation of local AoA reliability) is not implemented.
- AoA chip : Local AoA on the accessory has limitation of the accuracy and a blind zone in between -40 to -30 degree.



Release folders structure

```
|— Binaries
|   |— DWM3001CDK-QANI-FreeRTOS_full_QNI_3_0_0.hex
|   |— nRF52832DK-QANI-FreeRTOS_full_QNI_3_0_0.hex
|   |— nRF52833DK-QANI-FreeRTOS_full_QNI_3_0_0.hex
|   |— nRF52840DK-QANI-FreeRTOS_full_QNI_3_0_0.hex
|   |— QTag-QANI-FreeRTOS_full_QNI_3_0_0.hex
|   |— Type2AB_EVB-QANI-FreeRTOS_full_QNI_3_0_0.hex
|— Doc
|   |— Qorvo_Nearby_Interaction_Accessory_Developer_Guide.pdf
|— Sources
|   |— QANI-All-FreeRTOS_QNI_3_0_0.zip
```