Information Note

Topic	**TOBY-L210-03A Release to Production**
	UBX-18010749 -
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1   Affected Products

Product Name	Order Number	Type No	Firmware	Remarks
TOBY-L210	TOBY-L210-03A	TOBY-L210-03A-00	Modem: 15.63 Application: A01.60	Status: Initial Production

2   Type of Change

TOBY-L210-03A release to production.
TOBY-L210-03A modules are manufactured according to the automotive production flow.

3   New product description

Newly implemented features (respect to TOBY-L210-03S) and known limitations are listed in Annex A, B, C.
The following documents have been updated to cover the newly released product:

- Data sheet [1]
- AT command manual [2]
- System Integration Manual [3]

4   Schedule

This information is effective as of 15th March, 2018.

5   Customer Impact and Recommended Action

See Annex A, B.
Important information: flashing a FW image not provided by u-blox will cause the module to crash.

6   Reference Documents

[1] TOBY-L210 Automotive Data Sheet, u-blox document no. UBX-17011587-R03
[2] u-blox AT Commands Manual, u-blox document no. UBX-13002752-R57
[3] TOBY-L2 / MPCI-L2 System Integration Manual, u-blox document no. UBX-13004618-R26
[4] TOBY-L2x0-03S and MPCI-L2x0-03S Information Note, u-blox document no. UBX-17022983

Annex

A New features and interfaces (compared with TOBY-L210-03S)

For detailed description of the new features and interfaces, see the TOBY-L210 Automotive Data Sheet [1], u-blox AT Commands Manual [2], TOBY-L2 / MPCI-L2 System Integration Manual [3]. For detailed description of new features implemented in TOBY-L210-03S, see TOBY-L2 / MPCI-L2 "03S" IP IN [4].

The following new feature (in addition to the TOBY-L210-03S feature set) has been implemented in TOBY-L210-03A

- New Wi-Fi driver 14.44.35.p238-M2614525 and wpa_supplicant 2.5 plus patches for KRACK vulnerability (wpa_supplicant v2.1 issue)

B Restrictions compared to specifications

B.1 Hardware

No restrictions or limitations.

B.2 Features / Firmware / Software

- +UCELLLOCK AT command is not functional and must not be used.
- The parameter <mmeCode> of the +UCGED AT command is not reliable.
- Usage of +CGATT=0 is deprecated for disabling PS data.

C Known bugs and limitations

- [u-blox ID 728] It is not possible to open the MUX ports sequentially. All MUX ports shall be opened simultaneously.
- [u-blox ID 1405] The framing of the local PPP must be equal to the current setting of the used serial port.
- [u-blox ID 1695] Tone generation triggered by AT+UTGN or AT+UPAR during a voice call causes the voce signal routing to the speaker interface to be suspended. When the tone generation is terminated, then the voice signal is routed back to the speaker.
- [u-blox ID 1836] Speech codec in use is not correctly reported during an Intra-RAT handover from WCDMA to GSM.
- [u-blox ID 1998] The +UCGED AT command does not report the UTRA additional channels.
- [u-blox ID 2163] After a "AT+CFUN=19 → AT+CFUN=1" cycle the +UUICC read command returns "SIM not inserted" until the SIM initialization is completed. After a few seconds the SIM initialization is completed and the + UUICC read command properly work.
- [u-blox ID 2437] When the TOBY-L210 module is accessing a remote SIM using SIM Access Profile (SAP) and the AT+CFUN=19 is issued, then AT terminal stops responding until the command timeout expires. Workaround: disable SAP before sending the AT+CFUN=19 command.
- [u-blox ID 2446] +UUSAPLOCAL and +UUSAPREMOTE URCs are not displayed if the SIM hot insertion is enabled (+UDCONF: 50,1 mode).
- [u-blox ID 2712] Wi-Fi clients cannot communicate with TOBY-L2 "Access Point (AP)" when TOBY-L2 was previously connected as "Station (STA)" to another Access Point. Workaround: if the AP functionality is activated before connecting TOBY-L2 as STA to the external AP, clients can communicate successfully.
- [u-blox ID 2715] The module fails to work when trying to read the MD5 of a not existing certificate. Workaround: do not read the MD5 of non-existing certificates or if the AT command used to import a certificate failed.
- [u-blox ID 2824] In extremely rare corner cases conditions, AT interface could stop responding and the module could not boot to the normal "AT command mode" after a HW reset.

Workaround is to remove power supply and switch on the module to bring it back to normal operation.

- [u-blox ID 2826] Mobile Originated (MO) Supplementary Services operations (e.g. +CLIR?) does not work if initiated during MO detach (e.g. +CFUN=4). This causes the AT interface to temporarily stop working until the command timeout expires.