

## Information Note

### LISA-U2xx-x3S, SARA-U2xx-03S modules Initial Production

Product Name	Ordering Code	Design Status	Created		Document #
LISA-U200	LISA-U200-03S LISA-U200-83S	Initial Production	Ezra Stein	30 <sup>th</sup> July 2015	UBX-15020745
LISA-U201	LISA-U201-03S				
SARA-U260	SARA-U260-03S				
SARA-U270	SARA-U270-03S				
SARA-U280	SARA-U280-03S				

1. Identification				
Package	1	No of units	1	
Marking				
Firmware	23.41	Application firmware	A01.01	

2. Restriction as compared to specification				
See Annex B.				

3. Detected Defects				
See Annex C.				

4. Workarounds				
Workarounds – if available – are described in Annex B and C.				

5. Test Status				
<input checked="" type="checkbox"/> Tested according to specification	<input type="checkbox"/> Untested	<input type="checkbox"/> Limited testing. see Annex B & C		

6. References				
[1] SARA-U2 Series Data-sheet, u-blox document UBX-13005287, Revision R08 [2] u-blox AT Commands Manual, u-blox document UBX-13002752, Revision R31 [3] SARA-G / SARA-U System Integration Manual, u-blox document UBX-13000995, Revision R14 [4] Sample Delivery Note LISA-U200_SARA-U2xx_03S, u-blox document UBX-15017888 [5] LISA-U2 series Data-sheet, u-blox Document UBX-13001734, Revision R15 [6] LISA-U series System Integration Manual, u-blox document UBX-13001118, Revision R18				

7. Expected Customer Feedback			Expected by	
Feedback should be provided to u-blox technical support.				

<b>8.</b>	<b>Delivery Release</b>		
Product Manager			
Name: Ezra Stein	Date: 14 <sup>th</sup> August 2015		

## Annex A – Description of changes

- LISA-U201: new variant added to the LISA-U2 series of HSPA modules. Supports 5-bands UMTS, quad-band GPRS. Details in references [5], [6].
- LISA-U200-83S: new variant added to LISA-U2 series of HSPA modules. Same features as LISA-U200-03S, with the addition of FOTA.
- Release of new firmware: new features are detailed below and in references [2], [3], [6].

## Annex B – Restrictions compared to specifications

### Hardware

No restrictions.

### Features / Firmware / Software

- LISA-U200-x2S and older modules cannot be updated to version -03S.  
SARA-U260-00S, SARA-U270-00S and SARA-U280-00S modules can be updated to version -03S.

## Annex C – Known bugs and limitation

- (u-blox tracking: M385G-215): USSD strings are always packaged in 7 bit, regardless of +CSCS settings.
- (u-blox tracking: M385G-363): Phonebooks entries cannot be read from Orange 3G SIM card without 3G phonebook.
- (u-blox tracking: M385G-97): Cellular Location sensor (sensor 2) reported when issuing +ULOC with GNSS requested sensor (sensor 1).
- (u-blox tracking: M385G-628): AssistNow Online retry mechanism (at intervals of 10 s, 30 s and 60 s) does not work as specified.

## Annex D – New features implemented in this firmware version

- Support of Control Plan Aiding (For USA E911).
- Support of embedded SIM protocol (BIP, eMLPP).
- SSL TLS 1.2 (for embedded TCP/IP).
- Network Friendly Mode: the module prevents too much signaling traffic and unnecessary data traffic.
- Support of u-blox M8 GNSS chips and GNSS modules base on M8 chip (LISA modules, already implemented in previous version of SARA modules).
- Ethernet (CDC-ECM) over USB interface.
- Bit-Error-Rate measurements for Packet Data calls – extension of AT+CSQ command.
- Support of Cookies for HTTP.
- Enhancement of +UDCONF for MAXPOWER.
- Behavior of CTS pin: CTS status without hardware flow control when UPSV=2.
- Incoming SMS indication (URC) over two interfaces : UART & USB.
- Automatic selection of PDP context.
- Embedded file system: file name up to 248 characters long.
- Extending behavior of DSR pin in +UDCONF=10 AT command.

- AT command +UNVMPLMN and +UNVMMCC erasing last camped UARFCN list.
- AT command to restore file-system to factory settings (LISA modules, already implemented in previous firmware of SARA modules).
- IPv4 /IPv6 dual stack (LISA modules, already implemented in previous firmware of SARA modules).