

## IN – Information Note

<b>Topic:</b>	<b>SARA-G300 / SARA-G310: Release of Version 00S Initial production</b>
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### 1 Affected Products

Product Name	Order Number	Type No	Remarks
SARA-G300	SARA-G300-00S	SARA-G300-00S-00	Status: initial production
SARA-G310	SARA-G310-00S	SARA-G310-00S-00	Status: initial production

### 2 Type of Change

- [ ] Hardware modification
- [ x ] Firmware update
- [ x ] Documentation update
- [ x ] Design status changed from "Engineering Samples" to "Initial Production"

### 3 Description of Change

Release to Initial Production of the SARA-G300-00S and SARA-G310-00S GSM/GPRS module; firmware version is **08.58**.

- The following new documents have been released:
- Data sheet [1]
- AT command manual [2]
- System Integration Manual [3]

Known limitations are listed in **Annex A**.

### 4 Schedule

First Initial Production parts will be available in the last week of September.

### 5 Customer Impact and Recommended Action

N/A

### 6 Reference Documents

[1] SARA-G3 Series Data-sheet, u-blox Document UBX-13000993

[2] u-blox AT-commands Manual, u-blox Document UBX-13002752

[3] SARA-G3 Series System Integration Manual, u-blox document UBX-13000995

## Annex A – Known limitations

### **SIM detection**

SIM detection functionality (“simind” parameter of +CIND AT command) is not supported by SARA-G300/310

### **Delay needed after AT+IPR command**

If any command is sent to the module immediately after the “OK” returned by AT+IPR=<n> command, then this command is ignored by the module [13553].

Work-around: wait 50 ms before sending the next command after the AT+IPR command.

### **MUX data loss during direct link data transfer**

If MUX is used during a direct link data transfer then some characters might be lost [13544].

Work-around: to avoid data loss use max frame size <= 384 bytes.

### **FOAT termination**

If a FOAT session is established, then with certain conditions the SIM interface is not properly reset by the module [13717].

Work-around: always trigger a reset (either hardware reset or AT+CFUN =16 command) after FOTA procedure completion.

### **Auto-bauding during a CS (circuit switched) data call**

With certain network conditions, the auto-bauding might not be re-established after a CS data call is terminated [13625].

Work-around: send a dummy “AT<enter>” command after the NO CARRIER sent by the module (using the current baud-rate) to force the module to re-establish the proper baud-rate.

### **SMS with GSM char set: characters 0x07, 0x08 and 0x15 cannot be used**

Characters 0x07 (Bell), 0x08 (Back Space) and 0x15 (Carriage Return) cannot be used when writing an SMS using GSM char-set [13500].