IN – Information Note

MPCI-L201-01S module Initial Production

Product Name	Ordering Code	Design Status	Created		Document #
MPCI-L201	MPCI-L201-01S	Initial Production	Drazen Drinic	25-May-2016	UBX-15031360

1.	Identification		
Package	1	No of units	1
Marking			
Firmware	09.93	Application firmware	A01.07

2.	Restriction as compared to specification
See Annex A.	

3.	Detected Defects
See Annex B.	

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

5.	Test Status		
☑ Tested according to specification	☐ Untested	☐ Limited testing. see Annex A & B	

6.	References
[1] TOBY-L2 /MPCI-L2 Series System Integration Manual, u-blox Document UBX-13004618, Revision R13 [2] u-blox AT Commands Manual, u-blox Document UBX-13002752, Revision R36 [3] MPCI-L2 series Data sheet, u-blox Document UBX-13004749, Revision R08	

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

8.	Delivery Release		
Product Manager			
Name: Drazen Drinic	Date: 25-May-2016		

Annex A – Restrictions compared to specifications

A.1 Hardware

A.1.1 Limitations

No limitations compared to product documentation.

A.2 Firmware

A.2.1 Restrictions and limitations

No limitations compared to product documentation.

A.2.2 List of known bugs

- [u-blox ID 2123] In VZW configuration: IMS client is not properly restarted after a SIM refresh (the first time a new SIM is inserted) SMS over-IMS will not work. Workaround: reset the modem with +CFUN=16 (the situation is identified by the following URCs: +CGREG: 4, +CEREG: 0, +UREG: 0, +CGEV: ME DETACH). After this reset the module will work properly.
- [u-blox ID 2105] values are not stored in NVM: +UMNOCONF=3,7 configuration +CGSMS and "KEY_MO_SMS_FORMAT".
- [u-blox ID 2078] In VZW configuration: when a SMS is stored in SM memory in text mode (+CMGF=1), the <scts> field does not contain the value of the service center time stamp. Workaround: use the PDU mode (+CMGF=0).[u-blox ID 2076] Do not close the MUX ports immediately after the termination of a dial-up. It is recommended to wait 3 s.
- [u-blox ID 2031] In VZW configuration: use +CFUN=16 in case of IMS registration issues, use +CFUN=1,1 instead of +CFUN=1 to exit airplane mode.
- [u-blox ID 2030] During PPP startup some unexpected strings may be sent by the modem. Workaround: ignore these strings.
- [u-blox ID 1996] Preferred operator list command (+CPOL) is not available in +COPS=2.
- [u-blox ID 1980] In +UCGED the LTE indicators <mmeGrId> and <mmeCode> may be wrong.
- [u-blox ID 1928] Use +CESQ for RSSi level indication in LTE RAT instead of +CIEV.
- [u-blox ID 1920] All the MUX ports shall be opened simultaneously.
- [u-blox ID 1911] Wrong +UUSORF indication when there are more packets to read available. URC notifies only the size of next available packet to read.
- [u-blox ID 1906] Downloading a file in the file system at high baudrate (921600 b/s) can lead to data corruption. Workaround: decrease the UART baudrate to 115200 b/s.
- [u-blox ID 1870] +CMGW and +CMSS shall not be used on VZW network. Use +CMGS instead.
- [u-blox ID 1188] After deleting a PDP context with +CGDEL, if the context is later re-defined, all previously existing associated data (QoS profiles, TFTs) will reappear.
- [u-blox ID 804] +URAT preferred values are not always respected when the setting is done with the sequence +COPS=2, +URAT, +COPS=0. Use the sequence: +CFUN=4, +URAT, +CFUN=1.