

Information Note

Topic EVK-ANNA-B112 reached Engineering Sample status
UBX-18021278

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1 Affected Products

Product Name	Ordering Code	Type Number	Software	Remarks
EVK-ANNA-B112C	EVK-ANNA-B112C	EVK-ANNA-B112C-00	v0.8.0-002	EVK with internal antenna
EVK-ANNA-B112U	EVK-ANNA-B112U	EVK-ANNA-B112U-00	v0.8.0-002	EVK with external antenna

2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others, Product reached Engineering Samples status

3 Description of Change

3.1 Evaluation kits for ANNA-B112 reached Engineering Sample status

The evaluation kits for the ANNA-B112 module have reached Engineering Sample status. The affected products are listed in section 1. For limitations and restrictions for the Engineering Samples, see section 7.

3.2 Documentation updates

The following documents (either new or updated version) are now available:

- EVK-ANNA-B112 User Guide [1]
- EVK-ANNA-B112 Quick Start [2]
- ANNA-B112 Getting Started [3]

4 Schedule

The Engineering Samples of the evaluation kits are now available for shipment and the documentation is available now.

5 Customer Impact and Recommended Action

Please go through the revision history of the updated documents to know the changes.

6 Reference Documents

- [1] [EVK-ANNA-B112 User Guide \(UBX-18018539\)](#)
- [2] [EVK-ANNA-B112 Quick Start \(UBX-18019809\)](#)
- [3] [ANNA-B112 Getting Started \(UBX-18020387\)](#)

7 Appendix

7.1 Restrictions

Limitations / restrictions for the Engineering Samples:

- Samples are intended for test purposes only
- They should not be used for product qualification
- Type approvals not completed
- RF performance and frequency trimming have not been optimized
- The evaluation board PCB antenna trace may not be final
- The external antenna included in the EVK-ANNA-B112U kit may not be final
- Product packaging may not be final
- u-blox connectivity software is in beta status, v0.8.0-002

7.2 Detected Defects

Known issues in the u-blox connectivity software v0.8.0-002 (beta):

Description	Reference
Changing escape character (ATS2) requires a store and reset when "Configuration Over Air (AT+UDSF, allow remote configuration)" is enabled.	TE_NB1_FW-28
In Simultaneous Peripheral and Central role (AT+UBTLE role 3), the maximum number of simultaneous connections is limited to 7.	TE_NB1_FW-170
Creating a GATT characteristic (AT+UBTGCHA) with initial value "0F" will create a GATT characteristic without initial value.	AE_SHO-334
After entering sleep mode (AT&D3) via a transition of the DTR line, exiting exit sleep mode is only possible after 3 seconds.	AE_SHO-338
The command to read multiple GATT characteristics (AT+UBTGRM) is not functional and returns an error response.	TE_NINA_NRF_FW-254
Boot loader hangs when entering the "c" command incorrectly without any parameters.	AE_SHO-362
Limited Discoverable Mode is not limited in time.	TE_NINA_NRF_FW-616
It is not possible to wake up the module from sleep mode (AT&D4) with the DSR pin.	TE_NINA_NRF_FW-581
It is mandatory to connect an external 32.786 kHz crystal to the module. NOTE: When using the evaluation kit, this is not needed as the evaluation board implements this crystal.	TE_NINA_NRF_FW-602

7.3 Test Status

Tested according to specification Untested Limited testing, see notes below

Test suite is not final.