Information note

Topic	**ANNA-B4 Bluetooth low energy modules release to Initial Production**
	UBX-22012435 C1-Public
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1   Affected products

Product name	Ordering code	Type number	Software	Remarks
ANNA-B402	ANNA-B402-00B	ANNA-B402-00B-00	N/A – Open CPU	
ANNA-B412	ANNA-B412-00B	ANNA-B412-00B-00	u-connectXpress 1.0.0	

2   Type

☒ Product status change ☒ Documentation update
☐ Hardware/component change ☒ Certification information
☐ Software update ☐ Security advisory
☐ Label change ☐ Other

3   Description

3.1   Product status change

The ANNA-B4 series of Bluetooth low energy modules are now released for Initial Production. Final specifications for the product have been set, the production system is fully released, and primary country certifications have now been completed.

3.2   Certification and qualification

ANNA-B402 and ANNA-B412 modules are certified/compliant according to the regulatory requirements in:

- US (FCC/CFR 47 part 15, unlicensed modular transmitter approval)
- Canada (ISED)
- Europe (RED)
- Great Britain (UKCA)
- Japan (MIC)
- Australia/New Zealand (ACMA/RCM)
- South Korea (KCC)
- Brazil (ANATEL)

Certifications for additional countries are in progress. For information about the latest certification status, see also the related data sheet [3] [4] and system integration manual [5].

The products have been qualified in accordance with the Bluetooth Core Specification, version 5.1.

3.3 Documentation updates

The documentation related to ANNA-B4 series has been updated to reflect the final specifications. The EU Declaration of conformity (EU DoC) [6] and UKCA Declaration of conformity (UKCA DoC) [8] has also been published.

4 Schedule

This information is effective as of September 15th, 2022. First production parts are in stock, and customers can now place orders. All modules shipped after the effective date have Initial Production status.

5 Customer impact and recommended action

Customers are advised to review the updated documentation accompanying these releases.

Customers that have used the ANNA-B402 Engineering Samples version should specifically note that the revision of the Nordic Semiconductor nRF52833 chip integrated in ANNA-B402 has changed from revision 1 (for ES modules) to revision 2 (for IP modules). For further details, see the Nordic Semiconductor IN-149 [9].

6 Related documentation

[1]   ANNA-B402 product summary, UBX-20017979
[2]   ANNA-B412 product summary, UBX-21025292
[3]   ANNA-B402 data sheet, UBX-20032372
[4]   ANNA-B412 data sheet, UBX-21028698
[5]   ANNA-B4 system integration manual, UBX-21000517
[6]   EVK-ANNA-B4 user guide, UBX-21008123
[7]   ANNA-B4 EU Declaration of conformity (EU DoC), UBX-21051032
[8]   ANNA-B4 UKCA Declaration of conformity (UKCA DoC), UBX-22025630
[9]   Nordic Semiconductor nRF52833 chip revision information notice, IN-149