

Information Note

Topic SARA-R410M-02B certification and initial production
UBX-18010263

Author Patty Felts

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1 Affected Products

| Product Name | Order Code | Type No | Firmware | Remarks |
|--------------|----------------|-------------------|---------------------------------------|--------------------|
| SARA-R410M | SARA-R410M-02B | SARA-R410M-02B-00 | L0.0.00.00.05.06 App version 02.00 | Initial Production |

2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Other, Certifications achieved and Initial Production status reached

3 Description of Change

The changes include updates to certification status and Initial Production status for modules with firmware version L0.0.00.00.05.06 app version 02.00. Related documentation updates are available.

3.1 Certification update

The following certifications are achieved for the product:

| Certification (country) | Status |
|-------------------------|---|
| FCC (US) | Complete (M1, NB1 Bands 2, 4, 5, 12, 13) |
| ISED (Canada) | Complete (M1, NB1 Bands 2, 4, 5, 12, 13) |
| RED (Europe) | Complete (M1, NB1 Bands 3, 8, 20) |
| NCC (Taiwan) | Complete (M1, NB1 Bands 3, 8, 28) |
| AT&T | Complete (M1 Bands 2, 4, 5, 12) |
| Telstra | Complete (M1 Bands 3, 5, 8, 28) |
| Verizon | Complete (M1 Bands 4, 13) |
| PTCRB | Complete (M1, NB1 Bands 2, 3, 4, 5, 8, 12, 13, 20, 28) |
| GCF | Complete (M1 Bands 3, 5, 8, 13, 20, 28) NOTE: M1 Band 4 is not yet ratified by GCF |

3.2 Certification compliance

The SARA-R410M-02B module includes the ability to configure the device in the following ways Mobile Network Operator Profile (AT+UMNOPROF), Radio Access Technology (AT+URAT) and LTE band selection (AT+UBANDMASK).

As these configuration decisions are made, u-blox reminds customers that the end device regulatory compliance shall be verified with an accredited laboratory. In case the end device enables bands that are not within the country specific module approved configuration the customer will incur in additional measurements that were not covered by the module certification.

The certification of the application device that integrates a SARA-R4 series module and the compliance of the application device with all the applicable certification schemes, directives and standards are the sole responsibility of the application device manufacturer.

4 Schedule

First production parts will be available in calendar week 17 of calendar year 2018.

5 Customer Impact and Recommended Action

- ES modules can be updated to this IP firmware by contacting u-blox Customer Support.
- It is recommended that Initial Production modules be used for certification activities.

6 Reference Documents

- [1] SARA-R4 series AT Commands Manual (UBX-17003787)
- [2] SARA-R4 series Data Sheet (UBX-16024152)
- [3] SARA-R4 series System Integration Manual (UBX-16029218)