

IN – Information Note

Topic:	ELLA-W1 regulatory updates
	UBX-16012744
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1 Affected Products

Products with 2.4 GHz support only

Product Name	Ordering Code	Type Number	Remarks
ELLA-W131	ELLA-W131-00B	ELLA-W131-00B-00	FCC ID PV7-WIBEAR11N-SF1
ELLA-W131-A	ELLA-W131-00A	ELLA-W131-00A-00	FCC ID PV7-WIBEAR11N-SF1
ELLA-W133	ELLA-W133-00B	ELLA-W133-00B-00	FCC ID PV7-WIBEAR11N-SF2
ELLA-W133-A	ELLA-W133-00A	ELLA-W133-00A-00	FCC ID PV7-WIBEAR11N-SF2

Products with 2.4 GHz and 5 GHz support

Product Name	Ordering Code	Type Number	Remarks
ELLA-W161	ELLA-W161-00B	ELLA-W161-00B-00	FCC ID PV7-WIBEAR11N-DF1
ELLA-W161-A	ELLA-W161-00A	ELLA-W161-00A-00	FCC ID PV7-WIBEAR11N-DF1
ELLA-W163	ELLA-W163-00B	ELLA-W163-00B-00	FCC ID PV7-WIBEAR11N-DF2
ELLA-W163-A	ELLA-W163-00A	ELLA-W163-00A-00	FCC ID PV7-WIBEAR11N-DF2

2 Type of Change

- Hardware modification
- Firmware update
- Others: Updated FCC grants for 5 GHz devices
- Others: Alternative to refer to the u-blox FCC ID
- Others: Certification for Taiwan
- Documentation update

3 Description of Change

3.1 Updated FCC grants for 5 GHz devices

FCC has updated the regulation for U-NII devices (5 GHz devices). This means that the following ELLA-W1 versions are affected: ELLA-W161, ELLA-W161-A, ELLA-W163, ELLA-W163-A. The u-blox FCC grants of these products have been updated and approved for compliance with the new regulation.

3.2 Alternative to refer to the u-blox FCC ID

To simplify the process to have the end-product integrating the u-blox module certified we now offer customers to refer to the u-blox FCC ID and IC certification. This does not only make the initial certification easier, but also lower the effort to keep the end-product up to date with upcoming regulatory changes, as u-blox will make sure the modular approval is up to date. Customers referring to the u-blox FCC ID / IC certification number must sign

a declaration [2] that the regulatory requirements of KDB 594280 are fulfilled when the module is integrated into the customer end product.

3.3 Certification for Taiwan

ELLA-W1 variants ELLA-W131-00B (professional grade) and ELLA-W161-00B (professional grade) have been certified by NCC (National Communications Commission) for use in Taiwan. See System Integration Manual [1] for further information.

3.4 Documentation update

The System Integration Manual [1] has been updated with clarified regulatory information, information about the NCC certification and the alternative to refer to the u-blox FCC ID and IC certification.

4 Schedule

The FCC grant files are updated and available at the FCC web site [3]. The updated System Integration Manual is available now. Customers referring to the u-blox FCC ID / IC certification number must return the signed declaration as soon as possible but not later than September 30th 2016.

5 Customer Impact and Recommended Action

Please review the revision history of the System Integration Manual [1] to know the changes. In particular review that the regulatory requirements have been correctly implemented in your design.

Customers with their own FCC certification ID

Customers who have their own FCC grant may contact support@u-blox.com and request to receive the updated ELLA-W1 test reports showing compliance with the new FCC regulation. It is the responsibility of the customer to make sure their grant file is up to date with the new FCC regulation.

Customers referring to the u-blox FCC certification ID

Customers who refer to the u-blox FCC ID will need to sign the u-blox Software Configuration Control Declaration [2] to confirm the regulatory requirements of the module integration are fulfilled. Contact your u-blox sales contact or support@u-blox.com to request the declaration letter. Return the signed declaration as soon as possible, but not later than September 30th 2016.

6 Reference Documents

[1] ELLA-W1 series System Integration Manual, u-blox document UBX-15017046

[2] u-blox Software Configuration Control Declaration, u-blox document UBX-16012976

[3] FCC ID search <https://www.fcc.gov/general/fcc-id-search-page>