

## IN – Information Note

<b>Topic:</b>	<b>ELLA-W1 documentation and FCC / IC IDs update</b>
	UBX-15024656
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### 1 Affected Products

Product Name	Ordering Code	Type Number	Remarks
ELLA-W131	ELLA-W131-00B	ELLA-W131-00B-00	
ELLA-W133	ELLA-W133-00B	ELLA-W133-00B-00	
ELLA-W161	ELLA-W161-00B	ELLA-W161-00B-00	
ELLA-W163	ELLA-W163-00B	ELLA-W163-00B-00	
ELLA-W131-A	ELLA-W131-00A	ELLA-W131-00A-00	
ELLA-W133-A	ELLA-W133-00A	ELLA-W133-00A-00	
ELLA-W161-A	ELLA-W161-00A	ELLA-W161-00A-00	
ELLA-W163-A	ELLA-W163-00A	ELLA-W163-00A-00	

### 2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others: Product variant phase-out / phase-in schedule postponed
- Others: Change of FCC and IC IDs

### 3 Description of Change

#### 3.1 Documentation update

##### 3.1.1 System Integration Manual released

The ELLA-W1 series System Integration Manual [2] has been released in the first revision R01.

##### 3.1.2 Data Sheet updated

The ELLA-W1 series Data Sheet [1] has been released in the updated revision R03. For a description of the changes please see the revision history in the document or below.

- Moved sections Reflow Soldering and ESD handling precautions to the ELLA-W1 System Integration Manual [2].
- Moved SDIO timing information to the ELLA-W1 System Integration Manual [2].
- Added revision history from the time before u-blox acquired the WiBear 11n product series from lesswire.
- Corrected error that Wi-Fi channel 14 is supported. Channel 14 is not supported by the Wi-Fi chipset and thus the ELLA-W1 cannot offer support for this channel.

- Removed "Pending approvals" notification for ETSI, FCC and IC approvals since the approvals are completed.
- Included a footnote in section 1.6 – "Supported features" stating IEEE 802.11k/r is currently not supported by the Marvell software (but the hardware supports it).
- Modified the FCC and IC IDs for all the module variants. Updated Professional grade sample label to reflect the new FCC and IC IDs.

## 3.2 Change of FCC and IC IDs

With reference to the Information Note (IN) UBX-15022340 [3], issued September 1st, 2015, we hereby confirm the change of the FCC IDs and IC IDs of the affected products listed in paragraph 1. u-blox has already announced this impending change in the information note mentioned above.

The product series ELLA-W1, a continuation of the product series WiBear 11n acquired by u-blox from lesswire AG with effect from January 1<sup>st</sup> 2015, will – contrary to the original planning – have the same FCC and IC IDs as the WiBear 11n product series sold by lesswire.

The table below shows the FCC and IC IDs u-blox had originally assigned to the ELLA-W1 variants ("Planned FCC ID" and "Planned IC ID"). The columns "Final FCC ID" and "Final IC ID" show the ID which will as of now be applicable. The ELLA-W1 series Data Sheet [1] has been updated with the final IDs.

ELLA-W1 variant	Planned FCC ID	Planned IC ID	Final FCC ID	Final IC ID
ELLA-W131	XPYELLAW131	8595A-ELLAW131	PV7-WIBEAR11N-SF1	7738A-WB11NSF1
ELLA-W133	XPYELLAW133	8595A-ELLAW133	PV7-WIBEAR11N-SF2	7738A-WB11NSF2
ELLA-W161	XPYELLAW161	8595A-ELLAW161	PV7-WIBEAR11N-DF1	7738A-WB11NDF1
ELLA-W163	XPYELLAW163	8595A-ELLAW163	PV7-WIBEAR11N-DF2	7738A-WB11NDF2
ELLA-W131-A	XPYELLAW131	8595A-ELLAW131	PV7-WIBEAR11N-SF1	7738A-WB11NSF1
ELLA-W133-A	XPYELLAW133	8595A-ELLAW133	PV7-WIBEAR11N-SF2	7738A-WB11NSF2
ELLA-W161-A	XPYELLAW161	8595A-ELLAW161	PV7-WIBEAR11N-DF1	7738A-WB11NDF1
ELLA-W163-A	XPYELLAW163	8595A-ELLAW163	PV7-WIBEAR11N-DF2	7738A-WB11NDF2

## 4 Schedule

This information is effective as of November 3, 2015.

## 5 Customer Impact and Recommended Action

Customers with running programs including any of the WiBear 11n series short range modules are not required to change the FCC or IC IDs shown on their device's label when switching from the WiBear 11n variant to the ELLA-W1 variant.

## 6 Reference Documents

- [1] ELLA-W1 series Data Sheet, u-blox document UBX-15004476
- [2] ELLA-W1 series System Integration Manual, u-blox document UBX-15017046
- [3] IN - Postponed WiBear 11n/ELLA-W1 phase-out/phase-in and FCC / IC IDs update, UBX-15022340