

IN – Information Note

Topic:	WiBear11ac change
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Date:	6-Mar-2015

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1 Affected Products

Product Name	Ordering Code	Type No	Remarks
WiBear 11ac-SO1	LW100478	LW100478	Discontinued
WiBear 11ac-SO1-4G	WB11ac-SO1-4G	WB11ac-SO1-4G	Changed
WiBear 11ac-SO2	LW100479	LW100479	Changed
EVK-WB11ac-SO1	LW100480	LW100480	Discontinued
EVK-WB11ac-SO2	LW100481	LW100481	Changed

2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others, products changed
- Others, products discontinued
- Others, new product variant added

3 Description of Change

3.1 Products changed

The lesswire WiBear11ac series is renamed to the u-blox EMMY-W1 series.

For consistency with the u-blox product lines and for improved EMC an RF shield box is added. Footprint and product features will not be affected by this change. The RF shield box will increase the thickness to 2.5 mm.

Product Name	Ordering Code	Replacement product	Description
WiBear 11ac-SO1-4G	WB11ac-SO1-4G	EMMY-W161	Shield box added
WiBear 11ac-SO2	LW100479	EMMY-W163	Shield box added
EVK-WB11ac-SO2	LW100481	EVK-EMMY-W163	Shield box added

3.2 Products discontinued

The version with one antenna pad (WiBear 11ac-SO1) and the evaluation kit for that module will be discontinued. The recommended replacement is a new version with one antenna pad and 4G/LTE filter for LTE co-location support. The new product variant is named EMMY-W161. See section 3.3 for more information.

Product Name	Ordering Code	Recommended replacement product
WiBear 11ac-SO1	LW100478	EMMY-W161
EVK-WB11ac-SO1	LW100480	EVK-EMMY-W161

3.3 New product variant added

The EMMY-W1 series now include a new product variant with embedded LTE/4G filter. The BAW filter enables the Wi-Fi/Bluetooth antenna to be co-located close to the LTE/4G antenna of the device. The embedded filter improves the filtering characteristics compared to an external filter and reduces integration complexity for the integrator.

The product name will be EMMY-W161 and the evaluation kit will be EVK-EMMY-W161. Samples are available now.

4 Schedule

The changes and discontinuation are effective immediately.

5 Customer Impact and Recommended Action

The addition of the RF shield box will increase the module thickness to 2.5 mm. The customer should verify the mechanical fit in their design.