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HVIN: FCC Certification Number: Approval Date:

EMMY-W163 XPYEMMYW163 2016-09-09

Application to Class II Permissive Change

This request is to add one antenna and two trace design changes to the EMMY-W163 module with FCC ID XPYEMMYW163. The trace designs and antenna are included in a product commercialized by one of u-blox's customers. No hardware changes have been made to the EMMY-W163 module. NFC is not used in this customer's product.

On the Bluetooth antenna port there is a trace design change. The Bluetooth antenna is previously used in u-blox reference design:

Manufacturer	Antenna p/n
Johansson	2450AT45A100

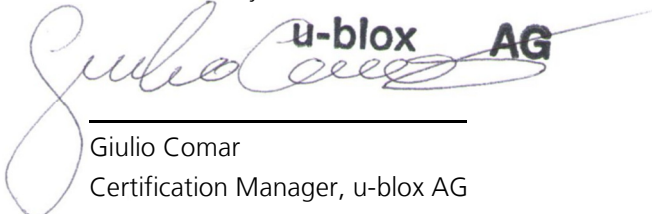
On the WiFi antenna port there is a new antenna with a changed trace design compared to u-blox reference design. The new WiFi antenna is:

Manufacturer	Antenna p/n
Antenova	SR42W001

Radiated emission tests have been performed to compare the emissions of the new WiFi antenna and the changed trace designs with the already certified reference design.

Thank you for your attention in this matter.

Yours Sincerely,


u-blox AG
Giulio Comar
Certification Manager, u-blox AG