



Attn: Reviewing Engineer
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FCC ID: **Approval Date:**

XPYLILYW1 07/13/2016

Application to Class II Permissive Change

This request is to add an antenna and trace design changes to u-blox RF Module with FCC ID XPYLILYW1. The trace design and the antenna is included in the host device CAN bus vehicle interface with Type HE-XL9009, HE-WIFICAN and 7398367, commercialized by one of u-blox's customers, Horner APG.

No hardware or software changes have been made to the RF Module itself.

New Antenna:

Model	Frequency range	Max Gain
W5010	2.4 GHz	1.5 dBi

To compare the measurement results of the new antenna and the changed trace design with the already certified reference design, worst-case measurements was performed for the following tests:

Maximum peak conducted output power
DTS Bandwidth / 99% Bandwidth
Band Edge Compliance
Maximum unwanted emissions

Thank you for your attention in this matter.

Yours Sincerely,

Filip Kruzela
Certification Manager, u-blox AG