



Attn: Reviewing Engineer
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

RE: Certification Application

Model: ODIN-W161
FCC ID: PVH1953
IC: 5325A-1953

Registered office:
u-blox Malmö AB
Östra Varvsgatan 4, 5tr
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Sweden

Registered number: 556589-0851

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Mode Function Declaration

To whom it may concern:

We, the undersigned, declare that the device described as follows:

Brand name: u-blox
Model: ODIN-W161
IC: 5325A-1953
FCC ID: PVH1953

1. Is acting as slave and Ad Hoc function is supported within the following frequency bands:
(limited to operate on US/Canada frequencies only)
 - channels 1 – 11 (2412 – 2462 MHz) 802.11b/g/n/20 MHz BW
 - channels 36 – 48 (5180 – 5240 MHz) 802.11a/n/20 MHz BW
2. Does not have Ad Hoc function on channels within the frequency bands:
 - channels 12 – 13 (2467 – 2472 MHz) 802.11b/g/n/20 MHz BW
 - channels 52 – 64 (5260 – 5320 MHz) 802.11a/n/20 MHz BW
 - channels 100 – 140 (5500 – 5700 MHz) 802.11a/n/20 MHz BW
 - channels 149 – 165 (5745 – 5825 MHz) 802.11a/n/20 MHz BW
3. Does not initiate transmission within the frequency band 5600 – 5650 MHz.
The module is configured to function under the definition of a client in 47 CFR §15.202
As a DFS client without radar detection using passive scan ODIN-W161 is not able to select channel or initiate a network
4. Is a client without DFS detection capability
5. Is not able to operate on non- US/Canadian frequencies. Country code selection will be disabled for this device
6. In non-associated mode, that software and associated drives will not initiate any transmission on DFS frequencies. This includes transmissions for beacon ad-hoc peer-to-peer modes (KDB 905462 D03)

Table 1 Active/Passive scanning, Ad-hoc mode/Access point capability of ODIN-W161

Frequency band [MHz]	Active scanning (the device can transmit a probe)	Passive scanning (the device is listen only with no probe)	Ad-hoc mode capability	Access point capability
2412 – 2462	☒ - Yes, ☐ - No	☒ - Yes, ☐ - No	☒ - Yes, ☐ - No	☒ - Yes, ☐ - No
2467 – 2472	☐ - Yes, ☒ - No	☒ - Yes, ☐ - No	☐ - Yes, ☒ - No	☐ - Yes, ☒ - No
5180 – 5240	☒ - Yes, ☐ - No	☒ - Yes, ☐ - No	☒ - Yes, ☐ - No	☒ - Yes, ☐ - No
5280 – 5320	☐ - Yes, ☒ - No	☒ - Yes, ☐ - No	☐ - Yes, ☒ - No	☐ - Yes, ☒ - No
5500 – 5700	☐ - Yes, ☒ - No	☒ - Yes, ☐ - No	☐ - Yes, ☒ - No	☐ - Yes, ☒ - No
5745 – 5825	☐ - Yes, ☒ - No	☒ - Yes, ☐ - No	☐ - Yes, ☒ - No	☐ - Yes, ☒ - No

Please contact the one signed below or the authorized agent for this filing.

Thank you.

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Job Title and Dept.: