

# U-NII Device Declaration Letter

## Federal Communication Commission

Equipment Authorization Division, Application Processing Branch  
7435 Oakland Mills Road  
Columbia, MD 21048

## Certification and Engineering Bureau

Innovation, Science and Economic Development Canada  
Spectrum Engineering Branch  
3701 Carling Avenue, Building 94  
Ottawa, Ontario K2H 8S2

## TO WHOM IT MAY CONCERN

We herewith declare for our module with the following ID(s):

|         |              |                        |
|---------|--------------|------------------------|
|         | Grantee Code | Equipment Product Code |
| FCC ID: | VO9          | -H232                  |

*Check your GC here.  
Click Grantee Search.*

*Check your CN here.*

|                                               |              |                                               |             |
|-----------------------------------------------|--------------|-----------------------------------------------|-------------|
| <b>CN:</b><br>(Company Number)                | 3100B        | <b>UPN:</b><br>(Unique Product Number)        | H232        |
| <b>HVIN:</b><br>(Hardware Version Id. Number) | H232-HBM 4.5 | <b>PMN:</b><br>(Product Marketing Name)       | cobas h 232 |
| <b>HMN:</b><br>(Host Marketing Name)          | -/-          | <b>FVIN:</b><br>(Firmware Version Id. Number) | -/-         |

## 1. Device functionality

|                                                                         |                                                                                                                                                                                              |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WLAN 2.4 GHz<br>(2400 - 2483.5 MHz)                                     | <input type="checkbox"/> Master <input checked="" type="checkbox"/> Client (slave)<br><input type="checkbox"/> N/A <input type="checkbox"/>                                                  |
| WLAN 5 GHz DFS: U-NII 2A & 2C<br>(5250 - 5350 MHz & 5470 - 5725 MHz)    | <input type="checkbox"/> Master <input type="checkbox"/> Client (slave) with radar detection<br><input type="checkbox"/> N/A <input type="checkbox"/> Client (slave) without radar detection |
| WLAN 5 GHz Non-DFS: U-NII 1 & 3)<br>(5150 - 5250 MHz & 5725 - 5850 MHz) | <input type="checkbox"/> Master <input checked="" type="checkbox"/> Client (slave)<br><input type="checkbox"/> N/A <input type="checkbox"/>                                                  |

According to §15.202, KDB 905462, RSS-247, respectively:

A **master device** is defined as a device operating in a mode in which it has the capability to transmit without receiving an enabling signal. In this mode it is able to select a channel and initiate a network by sending enabling signals to other devices.

A **client (slave) device** is defined as a device operating in a mode in which the transmissions of the device are under control of the master. A device in client mode cannot initiate, or be configured to initiate, any transmissions including transmissions from probes, beacons or support ad-hoc modes (or other peer to peer modes) of operation without permission from an approved master device with radar detection capability.

2. Operating modes

| Frequency<br>(MHz) | Active scanning:<br>the device can<br>transmit a probe<br>(beacon) |                                        | Passive scanning:<br>the device can listen only<br>with no probes |                                        | Ad-hoc mode capability       |                                        | Access point capability      |                                        |
|--------------------|--------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------|----------------------------------------|------------------------------|----------------------------------------|------------------------------|----------------------------------------|
| 2400 - 2483.5      | <input type="checkbox"/> Yes                                       | <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes                           | <input type="checkbox"/> No            | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 5150 - 5250        | <input type="checkbox"/> Yes                                       | <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes                           | <input type="checkbox"/> No            | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 5250 - 5350        | <input type="checkbox"/> Yes                                       | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes                                      | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 5470 - 5725        | <input type="checkbox"/> Yes                                       | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes                                      | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 5725 - 5850        | <input type="checkbox"/> Yes                                       | <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes                           | <input type="checkbox"/> No            | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

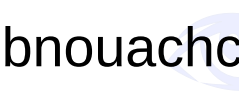
**Info:**  
DFS bands marked in *blue*. Dynamic Frequency Selection (DFS) is a mechanism that dynamically detects signals from other systems and avoids co-channel operation with these systems, notably radar systems. DFS requirements to a master/client device are described in §15.407, RSS-247, respectively.

3. Miscellaneous

|                                                                                                                                                                                                                                                                                                                         |                              |                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------|
| Has the device the option to set or select country codes or permit similar configuration options through software parameters for different regulatory domains to configure the device transmitter power or frequency or other technical parameters by end users or professional installers (see KDB 594280 D01, IV.A.)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Is the device capable of operating in channel 12 and 13?                                                                                                                                                                                                                                                                | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Is the device capable of transmitting in the band 5600 - 5650 MHz?                                                                                                                                                                                                                                                      | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

If you have any questions, please feel free to contact us at the address shown below.

Best regards,

|                  |                                                                                                                                                                                                                                                                                                                             |          |                 |                            |  |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|----------------------------|--|
| Company Name:    | Roche Diagnostics GmbH                                                                                                                                                                                                                                                                                                      |          | Phone:          | +49-621-759-0              |  |
| Company Address: | Sandhofer Straße 116                                                                                                                                                                                                                                                                                                        |          | Fax:            | +49-621-759-2890           |  |
|                  | D-68305                                                                                                                                                                                                                                                                                                                     | Mannheim | E-mail:         | charaf.bnouachir@roche.com |  |
|                  | Germany                                                                                                                                                                                                                                                                                                                     |          |                 |                            |  |
| Contact Name:    | Charaf Bnouachir                                                                                                                                                                                                                                                                                                            |          |                 |                            |  |
| Signature:       |  <div>Digital signiert von bnouachir<br/>DN: cn=bnouachir, c=DE, o=RDS<br/>PoC R&amp;D, ou=DV&amp;V,<br/>email=charaf.bnouachir@roche.com<br/>Grund: Ich habe dieses Dokument<br/>überprüft<br/>Datum: 2023.12.07 15:12:29 +01'00'</div> |          | Signature Date: | 07 Dcember 2023            |  |