Telecommunication Certification Body
UL VS Ltd.
Pavilion A
Ashwood Park
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Hampshire
RG23 8BG
United Kingdom

RE: REQUEST FOR CLASS-II PERMISSIVE CHANGE

To whom it may concern:

The equipment is described as follows:

Brand name: connectBlue
Model family name: cB-0926
FCC ID: PVH0926

This letter serves as an official request to update the FCC listing of the modular approval for FCC ID: PVH0926 with additional frequencies. The added frequencies are UNII band-2 (5260 -5320 MHz), UNII band-2e (5500 –5700 MHz) and UNII band-3 (5745–5825MHz).

This change is implemented by software. The hardware and all other aspects of the module operation remain unchanged.

When the module operates on UNII band-2 (5260 -5320 MHz), UNII band-2e (5500 –5700 MHz) and UNII band-3 (5745 –5825MHz) it can only function as a DFS client without radar detection.

The module meets the definition of a Section 15.202 client as “a device operating in a mode in which the transmissions of the device are under control of the master” and “not able to initiate a network”.

The following antennas are used for the new frequency bands:

Model name	Antenna type
FR05-S1-NO-1-004	Internal (SMD), patch
InSide-EPA WLAN	External, patch U.FL
InSide WLAN	External, patch U.FL with 10 cm flying lead U.FL with 25 cm flying lead
Ex-IT WLAN (-RP-SMA) (-MHF)	External, Monopole, Dual band Reverse Polarity-SMA U.FL with 10 cm flying lead

All these antennas are included in the original filing.

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Section 4a of FCCKDB publication 178919 D01 Permissive Change Policy v05r01 states:

4. (a) Additional frequencies may be added by Class II permissive change to an approved device under the following conditions; however, a new test report must be submitted for the new frequencies.

1) A test report for the new frequencies has been provided

2) No hardware changes have been made.
There have not been any hardware changes on the WLAN-module cB-0926.

3) There is no increase in the output power rating on new frequencies.
The output power rating of the WLAN-module cB-0926 has not been increased

4) The Equipment Class remains the same.
The equipment class for WLAN-module cB-0926 has not been changed. The module is already approved as an NII approved equipment.

5) RF exposure changes must be addressed.
There are no changes in RF exposure since the original grant. Maximum output powers and antenna gains used in the new operating bands do not exceed those considered in the listed MPE calculations.

6) Only the original equipment manufacturer may implement the new frequencies.
In conjunction with the given software and manufacturing control methods, connectBlue are the sole responsible party and only we can implement new frequencies. This is implemented by way of two controlled software processes.

- A status flag set in the module's EEPROM is set in the factory that is read by the module when checking basic parameters of functionality during operation. This flag permits this version of module to utilise the additional bands mentioned;

- Unique driver software, released under the control of connectBlue, is used to implement the additional frequency bands. The driver checks the EEPROM status flag for permission to operate on the new frequencies and if acceptable enables the module operation of the new frequencies.

Note: The unique driver software will not activate the new frequencies in modules already installed in the field since these modules do not have the correct EEPROM status flag pre-set in the module.

The updated driver will be available to OEMs that have signed a Software License Agreement (SLA). The driver is made available on a secure and password protected FTP site where each signer of the SLA has a unique password to be able to download the driver software.

connectBlue therefore ensure that the host manufacturer using the module, or any third party software provider, does not have the ability through software to allow for other configuration controls that permit the device to operate outside the conditions of the grant since the software driver is released only by connectBlue.

7) There are no other changes to the device that indicate a need for a new FCC ID.
There have not been made any changes to the device that indicates a need for a new FCC ID.

Sincerely,

Applicant's Company	: connectBlue AB
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Signature	: 
Job Title and Dept.	: Mats Andersson, CTO connectBlue AB