

Federal Communications Commission  
7435 Oakland Mills Road  
Clumbia, MD 21046

FCC ID: BV5SMALLENGINE  
Model: Small Engine  
Applicant: Bang & Olufsen

Strasskirchen, 09.08.2011

### **Request for a Limited Modular Approval – FCC ID: BV5SMALLENGINE**

Limited Modular Approval for a Specific Host is being requested for this device. There are eight requirements that the device must meet for full modular approval. The following paragraphs detail these requirements and the manner in which the device meets them.

1. The modular transmitter must have its own RF shielding

This module will only be installed in host devices (Beo Sound Series) of the company Bang & Olufsen.

2. The modular transmitter must have buffered modulation/data inputs

The modular transmitter has buffered modulation/data inputs, see Block Diagram.

3. The modular transmitter must have its own power supply regulation

Small Engine has two supply inputs

- 5-12V\_SB is the standby input supply to power Small Engine. Voltage should be between 5V (-10%) and 12V (+10%).
- 12V is the on mode input supply to power Small Engine. Voltage should be 12V (+/- 10%).

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c

The transmitter shall only be used with the tested antenna or with an antenna that has less antenna gain. Requirements are specified in the test report.

5. The modular transmitter must be tested in a stand-alone configuration.

However, the EUT is a PCB/WLAN Module. For the compliance testing, the device was implemented in a reference integration BeoSound5-Encore to provide the necessary operating voltages and control interfaces.

6. The modular transmitter must be labelled with its own FCC ID number

The EUT will be labelled with its own FCC ID number. However, as the module is installed inside of an end-product; the label will not be visible. In this case the company Bang & Olufsen will label the hosts as described in the attachment "Label".

7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. The EUT is compliant with all applicable FCC rules. Detail instructions are given in the Installation Manual.

8. The modular transmitter must comply with any applicable RF exposure requirements. The modular transmitter complies with FCC radiation exposure requirement.

Please contact us if you have any additional questions.

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