

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

RE: PART 15 SINGLE MODULAR TRANSMITTER APPROVAL

To Whom It May Concern:

We, connectBlue AB, hereby requests a Single Modular Transmitter Approval of our OEM-WLAN/Bluetooth module, described as follows:

Brand name: connectBlue
Model : ODIN-W160
IC: 5325A-0953
FCC ID: PVH0953

In 47 C.F.R. §15.212 there are eight requirements a single modular transmitter must meet to obtain a modular transmitter approval. Our OEM module ODIN-W160 complies with all these requirements.

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

The module ODIN-W160 has its RF-parts covered by a shield box that is soldered on to the module ground plane.

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

The module ODIN-W160 does not have modulation inputs.

The electrical connection consists of power supply, UART, SDIO, SPI and digital-I/O.

The interface signals (UART, SDIO, SPI and digital-I/O) are internally buffered by the module SoC (System on Chip) and cannot affect the modulation.

Detailed instruction on how to connect these interface signals are given in the product Users Guide.

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

The WLAN/Bluetooth -module ODIN-W160 has its own voltage regulators. In case the supply voltage changes, the internal voltages will be kept unchanged.

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

The module ODIN-W160 is equipped with a U.FL antenna connector that is considered to be unique.

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

The ODIN-W160 was tested in a stand-alone configuration.

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

The module ODIN-W160 is marked with its own FCC ID number. The FCC ID number is printed on a label that is affixed on the shield cover.

For systems using the module where the original FCC ID marking not will be visible when the module is installed instructions will be provided to the OEM integrator how the end product must be 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 WLAN/Bluetooth-module ODIN-W160 is compliant with all applicable FCC rules. Detail instructions are given in the product Users Guide.

8. The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.

Refer to documents:

- Calculation rf-exposure F136117E1.pdf
- Calculation rf-exposure F136117E2.pdf
- Calculation rf-exposure F136117E3.pdf
- Calculation rf-exposure F136117E8.pdf
- Calculation rf-exposure F136117E9.pdf