



FCC  
Federal Communications Commission

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***Request for a modular approval - FCC ID YQVHHH002***

Dear Application Examiner,

the Transceiver Module "Smart Controller" is seeking FCC authorization as a modular transmitter. The requirement of the FCC part 15.212 are met.

The following requirements are fulfilled:

**1. The radio elements of the modular transmitter must have their own RF shielding.**

Fulfilled. See enclosed product photos in exhibit.

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

Fulfilled. The module has a built-in memory management unit. It buffers the data inputs. See IC 8.

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

Fulfilled. The module contains power supply voltage regulator. In case of changes in the supply voltage VCC (for example caused by temperature changes or other effects), the internal voltage will be stabilized. See IC 4.

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

Fulfilled. The transmitter shall only be used with the tested antenna.

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

Fulfilled. The EUT was tested in a stand-alone configuration without any host. See also test setup photos.

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

Fulfilled. The EUT will be labelled with its own FCC ID number. If the module is installed inside of an end-product, the label will not be visible. In this case the OEM customer will be instructed to how to apply the exterior 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.**

Fulfilled. The EUT is compliant with all applicable FCC rules. Detail instructions for maintaining compliance are given in the product Users Guide "Instructions for use".


**8. The modular transmitter must comply with any applicable RF exposure requirements.**

RF exposure requirements are not applicable due to the low power of the EUT.

Please contact us if you have any additional questions.

Best Regards

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 **7layers**

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