



PHOENIX TESTLAB GmbH
Product Certification
Königswinkel 10
D 32825 Blomberg

Date: 6/12/2019

Attn: Reviewing Engineer

Subject: REQUEST FOR FCC Part 15 MODULAR TRANSMITTER APPROVAL
FCC ID: 2APOCEGYMRFD02S

To Whom It May Concern:

We, (eGym GmbH), hereby request a modular / limited modular approval.

In CFR47 §15.212 “Modular Transmitters” and KDB 996369 D01 “Module Equip Auth Guide” there are following eight numbered requirements defined:

1. The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly.

The RFID-Elements of the transmitter are shielded on this device.

2. The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.

The modular transmitter has buffered data inputs, which are integrated within the chip STMF0(U6).

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

5V input via USB or UART interface. All used voltage inputs to ICs are regulated. Regulated 3V3 via U4 and regulated 4V75 via U5. U4 and U5 are placed on the PCB.

4. The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b).

The RFID antenna is printed on the PCB and thus permanently attached.

5. The module must demonstrate compliance in a stand-alone configuration.

The eGym RFID Board v2 was indeed tested in stand-alone configuration.

6. The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number (KDB 784748).

The label is printed permanently on the backside of the PCB. If the label can't be seen when installed, then the host label must include the text: "CONTAINS FCC ID 2APOCEGYMRFD02S".

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 eGym RFID Board is compliant with all applicable FCC rules. Detailed instructed are given in the User Manual.

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

This RF module is compliant to FCC Rule Part §15.225 and therefore categorically excluded.



Yours sincerely,

Jason Bridges *München*
13.06.2019
Jason Bridges, VP Engineering Hardware