

Date: 24/05/2017

American Certification Body, Inc.

6731 Whittier Avenue

Suite C110

McLean, VA 22101

RE: FCC module criteria (15.212), FCC ID: **2ALHYBIORADRDR0200**.

To Whom It May Concern:

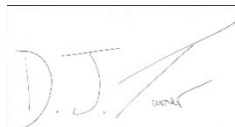
Please be advised that the Bio-Rad RFID Reader V2.0.16 module complies with the 8 required FCC module criteria (15.212) as listed below:-

- 1) The module does not have its own shield. It complies with the required RF emissions regulations by design of careful filtering and tuning of the antenna circuit and use of components such as antenna circuit inductors that are themselves shielded to contain their emissions. The RF emissions and susceptibility of the module are guaranteed to remain the same as tested because firstly the antenna is constructed from printed circuit board tracks which by manufacture are identical on each unit made. Secondly the antenna circuit is not in any way adjustable for gain or any other setting by the installer or user that could alter its RF emissions or susceptibility in any way. Final/Host product testing will be performed by the host equipment manufacturer with the module(s) in situ.
- 2) The module does have buffered modulation/data inputs.
- 3) The module does not have its own power supply regulation. The module can only be used in Bio-Rad Digital Biology Group medical instrument products (end customer and user). It is specified that this instrumentation must supply a regulated DC supply to the unit via the 4 pin connector provided on the unit. The specification of the power supply provided by the host instrument is clearly stated in the fitting instructions of the unit User Manual and is: a regulated 3.3 volts DC (+/- 0.1V) voltage supply, capable of sourcing at least 200mA.
- 4) The module does meet Part 15 antenna requirements.
- 5) The module was tested in a stand-alone configuration approximately 10cm from any host/control board.
- 6) The module is labelled with the FCC ID
- 7) The module does meet its own FCC rule part (47CFR part 15.225)
- 8) The module does meet the RF Exposure requirements.

Thank you for your attention to this matter.

Yours faithfully

By: Darren J Turner



Title: Managing Director (CEO)

On behalf of: Eccel Technology Ltd.

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