

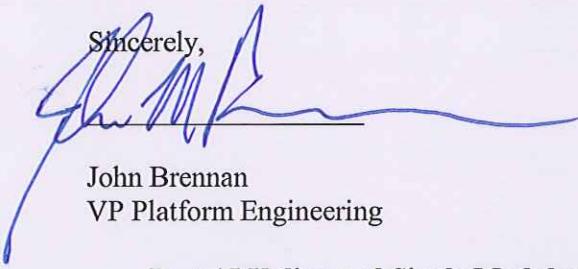
# LIQUID ROBOTICS.

RE FCC ID: 2AHZH- IGM9603

To the certification reviewer:

We are hereby applying for limited modular approval of the above-referenced FCC ID, based on compliance with most of the criteria as detailed below.

Sincerely,

  
John Brennan  
VP Platform Engineering

## Part 15 Unlicensed Single Modular Transmitter Approval Justification per 15.212

Requirement per 15.212	reference
(i) The radio elements of the modular transmitter must have their own RF shielding.	Yes, Complied, All of the circuit on radio PCB are shielded by metal fence and lid on the top and bottom of the board.
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	Yes, Complied, The module's serial data/fax serial interface is buffered through a UART component in the Iridium DBB ASIC. The interface signals also pass through ESD protection and EMI suppression circuitry.
(iii) The modular transmitter must have its own power supply regulation.	Yes, Complied. The module includes power supply regulation translating the +5VDC power input through the user interface connector into a variety of power rails used internally at voltages of +1.2VDC through +3.3VDC as per the schematic.
(iv) The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c).	Yes, The antenna connection and the modular will only be inside the host (box) and will not be accessible to the user.
(v) The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with Part 15 parameters.	Yes, Complied. The module was tested as standalone that mount on the carrier board.

<p>(vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. If the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.</p>	<p><b>Yes, Complied.</b> A “product approval label” listing the module’s FCC ID is affixed on the modem, same side as the “IMEI label”</p>
<p>(vii) The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.</p>	<p><b>Yes, Complied.</b> The module complies fully with the operating requirements of FCC Part 25 as demonstrated in the test report exhibit.</p>
<p>(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.</p>	<p><b>Yes, Complied.</b> This module operates under FCC Part 25 and it meets the RF exposure requirements for mobile usage.</p>