

24th of June 2025

Telecommunication Certification Body
UL International (UK) Ltd
Units 1-4, Horizon
Wade Road, Kingsland Business Park
Basingstoke, Hampshire RG24 8AH
United Kingdom

Subject: FCC Single-Modular Transmitter Approval

Applicant: RFbeam Microwave GmbH
FCC ID: 2ASYV-V-LD1
Model name: V-LD1

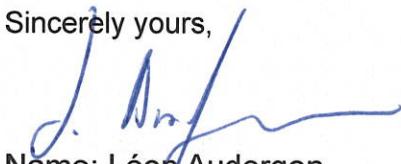
To whom it may concern

The applicant hereby declares that the above product has met the single-modular transmitter approval requirements of FCC rule part §15.212(a)(1) and this is shown in the table below.

Modular approval requirement	Yes	No
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	X	
<i>The RF frontend uses antennas on chip what makes it not possible to use a shield cover. Instead the product was designed in a way that the chip itself builds a shield cover with the PCB. The document "V-LD1 – Module shielding concept.pdf" describes the concept in detail which was sent to FCC by a KDB inquiry (Tracking number 656591) with a positive feedback, why we request a single modular approval.</i>		
The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal	X	
<i>The module is fully digital and has nod modulation/data inputs. A OEM integrator can configure the sensor and start a measurement over a buffered serial interface.</i>		
The module must contain power supply regulation on the module	X	
<i>The sensor works with a single supply and generates/regulates all necessary voltages for the RF frontend by itself.</i>		

Modular approval requirement	Yes	No
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 Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	X	
<i>Antennas are permanently fixed as antenna in package on the RF frontend.</i>		
The module must demonstrate compliance in a stand-alone configuration	X	
<i>Module was tested in a stand-alone configuration with worst case settings.</i>		
The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	X	
<i>The module is too small for a label with the defined minimum size font and has no electronic display. Host specific labelling instructions are given in the integration instructions of the datasheet.</i>		
The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee.	X	
<i>Detailed instructions to the host manufacturer are given in the datasheet.</i>		
The module must comply with RF exposure requirements	X	
<i>Information's are given in the chapter Integrators Information of the datasheet.</i>		

Sincerely yours,



Name: Léon Audergon
 Company: RFbeam Microwave GmbH
 Address: Schuppisstrasse 7, 9016 St. Gallen, Switzerland

Phone: +41 71 245 33 80
 Fax: +41 71 245 33 81
 Email: office@rfbeam.ch