



Life Fitness 10601 W. Belmont Ave Franklin Park , IL 60131

## Request for Modular/Limited Modular Approval

Date: February 9, 2022				
Subject: Manufacturer's Declaration for	<ul><li>□ -Modular Approval</li><li>⊠ - Limited Modular Approval</li></ul>	☐ - SplitModula ☐- Limited Split		pproval
Confidentiality Request for: <u>LM6-</u>	<u>LFSCRF</u>			
	sic Requirements – FCC Part 15.212(		u · n	
	Limited Module Description Must be lipproval Requirement	Filled Out on the Fo		ment Met
1. The modular transmitter must have its own RF shielding. This is intended to ensure that the module does not have to rely upon the shielding provided by the device into which it is installed in order for all modular transmitter emissions to comply with FCC limits. It is also intended to prevent coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed. Such coupling may result in non-compliant operation. The physical crystal and tuning capacitors may be located external to the shielded radio elements. 15.212(a)(1)(i)		⊠- YES	□ - NO(*)	
Details: <example a="" all="" and="" antenna="" board="" circuitry.="" components="" connector="" contains="" covers="" is="" located="" metal="" module="" next="" of="" on="" rf="" shield="" the="" to="" top="" which="" –=""></example>				
2. The modular transmitter must have buffered ensure that the module will comply with FC over-modulation. 15.212(a)(1)(ii)			⊠ - YES	□ - NO(*)
Details: <example application="" as="" buffered="" circuit="" data="" described="" description="" in="" is="" modulation="" operational="" provided="" the="" to="" with="" –=""></example>				
3. The modular transmitter must have its own ensure that the module will comply with FC supplying circuitry in the device into which	C requirements regardless of the design	of the power	⊠ - YES	□ - NO(*)
Details: <example -="" application="" contains="" filed="" its="" module="" own="" please="" power="" refer="" regulation.="" schematic="" supply="" the="" this="" to="" with=""></example>				
4. The modular transmitter must comply with the 15.203, 15.204(b), 15.204(c), 15.212(a), and attached or employ a "unique" antenna cou antenna, including the cable). The "professi to modules but can apply to limited modular	12.929(b). The antenna must either be pupler (at all connections between the motional installation' provision of § 15.203	ermanently dule and the is not applicable	⊠ - YES	□ - NO(*)
Details: <example a="" and="" antennas="" ap<="" connector.="" connects="" list="" module="" of="" td="" tested="" the="" –=""><td></td><td></td><td></td><td></td></example>				
5. The modular transmitter must be tested in a inside another device during testing. This is complying with Part 15 emission limits regal Unless the transmitter module will be batter requirements found in Section 15.207. AC of the module must not contain ferrites, unless 15.27(a)). The length of these lines shall be least 10 centimeters to insure that there is not equipment. Any accessories, peripherals, or shall be unmodified or commercially available.	intended to demonstrate that the module ardless of the device into which it is ever by powered, it must comply with the AC or DC power lines and data input/output they will be marketed with the module elength typical of actual use or, if that ler be coupling between the case of the modus support equipment connected to the mo	e is capable of ntually installed. line conducted lines connected to (see Section ngth is unknown, at alle and supporting dule during testing	□ - YES	⊠ - NO(*)
Details: <the host<="" module="" td="" tested="" was="" with=""><td>device (SMARTconnect), and the mod</td><td>el of the SMARTcon</td><td>nect wasLT.&gt;</td><td>&gt;</td></the>	device (SMARTconnect), and the mod	el of the SMARTcon	nect wasLT.>	>



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	Modular Approval Requirement		Requirement Met	
6.	The modular transmitter must be labeled with its own FCC ID number, or use an electron display (see KDB Publication 784748).  If using a permanently affixed label with its own FCC ID 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. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: XYZMODEL1" or "Contains FCC ID: XYZMODEL1." Any similar wording that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization, or, must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization.	⊠ - YES	□ - NO(*)	
	If the modular transmitter uses an electronic display of the FCC identification number, the information must be readily accessible and visible on the modular transmitter or on the device in which it is installed. If the module is installed inside another device, then the outside of the device into which the module is installed must display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains FCC certified transmitter module(s)." Any similar wording that expresses the same meaning may be used. The user manual must include instructions on how to access the electronic display. A copy of these instructions must be included in the application for equipment authorization. 15.212(a)(1)(vi)			
	Details: <example a="" applabeling="" application.="" are="" as="" exhibit="" filed="" in="" installation="" instructions="" is="" label="" labeling="" manual="" module="" on="" shown="" the="" there="" this="" with="" –=""></example>	lication. Hos	t specific	
7.	The modular transmitter must comply with all specific rule or operating requirements applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee. A copy of these instructions must be included in the application for equipment authorization. For example, there are very strict operational and timing requirements that must be met before a transmitter is authorized for operation under Section 15.231. For instance, data transmission is prohibited, except for operation under Section 15.231(e), in which case there are separate field strength level and timing requirements. Compliance with these requirements must be assured. 15.212(a)(1)(vii)	⊠ - YES	□ - NO(*)	
	Details: <example 15c="" application.="" complies="" fcc="" filed="" installation="" instructions="" manual="" module="" oem="" part="" requirements.="" the="" this="" to="" with="" –=""></example>	I installer are	provided in	
8.	The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 2.1091, 2.1093 and specific Sections of Part 15, including 15.319(i), 15.407(f), 15.253(f) and 15.255(g), require that Unlicensed PCS, UNII and millimeter wave devices perform routine environmental evaluation for RF Exposure to demonstrate compliance. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF Exposure compliance in accordance with Section 15.247(b)(4). Modular transmitters approved under other Sections of Part 15, when necessary, may also need to address certain RF Exposure concerns, typically by providing specific installation and operating instructions for users, installers and other interested parties to ensure compliance. 15.212(a)(1)(viii)	⊠ - YES	□ - NO(*)	
	Details: <example as="" exclusion="" exposure="" in="" information.="" levels="" meets="" module="" portable="" rf="" shown="" the="" –=""></example>	ation filed wit	h this	



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## **Limited Module Description – When Applicable**

\* If a module does NOT meet one or more of the above 8 requirements, the applicant may request Limited Modular Approval (LMA). This Limited Modular Approval (LMA) is applied with the understanding that the applicant will demonstrate and will retain control over the final installation of the device, such that compliance of the end product is always assured. The operating condition(s) for the LMA; the module is only approved for use when installed in devices produced by grantee. A description regarding how control of the end product, into which the module will be installed, will be maintained by the applicant/manufacturer, such that full compliance of the end product is always ensured should be provided here.

Details: This module does NOT meet one of the above requirements, the applicant may request Limited Modular Approval

(LMA). Due this module was installed into one HOST.

The HOST information was shown as below:

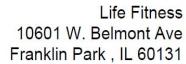
Host Name: SMARTconnect

Model No.: LT

Brand Name: Life Fitness

Software Considerations - KDB 594280 / KDB 442812 (One of the following 2 items must be applied)			
Requirement	Requirement Met		
<ol> <li>For non-Software Defined Radio transmitter modules where software is used to ensure compliance of the device, technical description must be provided about how such control is implemented to ensure prevention of third-party modification; see KDB Publication 594280.</li> </ol>	☐ - Provided in Separate Cover Letter	⊠ - N/A	
Details: <example a="" adjusted="" application.="" as="" be="" by="" can="" cover="" described="" device="" end="" filed="" firmware="" in="" letter="" modified="" not="" of="" or="" separate="" the="" this="" user="" with="" –=""></example>			
<ol> <li>For <u>Software Defined Radio (SDR)</u> devices, transmitter module applications must provide a software security description; see KDB Publication 442812.</li> </ol>	- Provided in Separate     Cover Letter	⊠ - N/A	
Details: <example -n="" a=""></example>			

Split Modular Requirements				
Requirement	Provided in Manual			
<ol> <li>For split modular transmitters, specific descriptions for secure communications between front-end and control sections, including authentication and restrictions on third-party modifications; also, instructions to third-party integrators on how control is maintained.</li> </ol>	☐ - Provided in Separate Cover Letter	⊠ - N/A		
Details: <example -="" a="" n=""></example>				





	AVI IIILEZI ALIOH MIAHUAI GUIC	lance - KDB 990309 DU3 Section 2	
OEM Integration Manual Guidance – KDB 996369 D03 Section 2  Clear and Specific Instructions Describing the Conditions, Limitations, and Procedures			
for third-parties to use and/or integrate the module into a host device.			
Requirement			
requirement		⊠ - No,	
Is this module intended for sale to third parties?	□ - YES	<ul> <li>☒ - No,</li> <li>If No, and LMA applies, the applicant can optionally choose to not make the following detailed info public. However there still needs to be basic integration instructions for a users manual and the information below must still be included in the operational description. If the applicant wishes to keep this info confidential, this will require a separate statement cover letter explaining the module is not for sale to third parties and that integration instructions are internal confidential documents.</li> </ul>	
		nal – See KDB 996369 D03, Section 2	
As of May 1, 2019, the FCC requires ALL the following information to be in the installation manual. Modular transmitter applicants should include information in their instructions for all these items indicating clearly when they are not applicable. For example information on trace antenna design could indicate "Not Applicable". Also if a module is limited to only a grantees own products and not intended for sale to third parties, the user instructions may not need to be detailed and the following items can be placed in the operational description, but this should include a cover letter as cited above.			
List of applicable FCC rules. K     a. Only list rules rel	DB 996369 D03, Section 2.2 lated to the transmitter.		
2. Summarize the specific operation a. Conditions such a systems, professi 3. Limited Module Procedures. KI a. Describe alternat limiting condition b. When RF exposure that compliance in the compliance in the confidential, the provided in the operations. KI a. Clearly and expliance in the confidential in	nal use conditions. KDB 9963 as limits on antennas, cable lost onal installation info DB 996369 D03, Section 2.4 ive means that the grantee use as re evaluation is necessary, sta s ensured, such as Class II for 16369 D03, Section 2.5 esign, parts list, antenna, connoun, and production test procedu method used to keep confident perational description. DB 996369 D03, Section 2.6 citly state conditions that allow cructions are necessary: first to	ss, reduction of power for point to point s to verify the host meets the necessary te how control will be maintained such new hosts, etc. sectors, isolation requirements, tests for ares for ensuring compliance. If tial must be identified and information w host manufacturers to use the module.	☐ - All Items shown to the left are provided in the Modular Integration Guide (or UM) for Full Modular Approval (MA) or LMA.  ☐ - An LMA applies and is approved ONLY for use by the grantee in
6. Antennas. KDB 996369 D03, Section 2.7  3rd parties as provided			not intended for sale to 3 <sup>rd</sup> parties as provided in a separate cover letter.
instructions when (monopole, PIFA)  7. Label and compliance informati	instructions when applicable. The antenna list shall also identify the antenna types (monopole, PIFA, dipole, etc – note that "omni-directional" is not considered a type)  Label and compliance information. KDB 996369 D03, Section 2.8  Therefore the information shown to the left is found in the theory of operation.		
"Contains FCC I	D: " with their finished produc	et	
clarifications nec	should be taken into consideral essary for stand-alone and similar on how to configure test n	tion by host integrators including nultaneous configurations. nodes for evaluation	
Sincerely, By:	Mb	Marga	ret Wang



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(Signature/Title<sup>1</sup>)

(Print name)

<sup>&</sup>lt;sup>1</sup> - Must be signed by applicant contact given for applicant on the FCC site, or by the authorized agent if an appropriate authorized agent letter has been provided. Letters should be placed on appropriate letterhead.