<u>Request for Modular/Limited Modular Approval</u>

Date: November 25, 2021

Subject: Manufacturer's Declaration for	🗆 - Modular Approval	I - Split Modular Approval
	\boxtimes - Limited Modular Approval	\Box - Limited Split Modular Approval

Confidentiality Request for: <u>XF6-M4SB</u>

8 Basic Requirements – FCC Part 15.212(a)(1)				
For Items Marked "NO(*)", the Limited Module Description Must be Filled Out on the F Modular Approval Requirement			ollowing Pages Requirement 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="" circ="" components="" connector="" contains="" covers="" metal="" module="" next="" of="" on="" rf="" shield="" the="" to="" top="" which="" –=""></example>	uitry. The sh	ield is located	
2.	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with FCC requirements under conditions of excessive data rates or over-modulation. 15.212(a)(1)(ii)	🛛 - YES	□ - NO(*)	
	Details: <example as="" buffered="" circuit="" data="" desc<br="" described="" in="" is="" modulation="" operational="" the="" to="" –="">application></example>	ription provia	led with the	
3.	The modular transmitter must have its own power supply regulation on the module. This is intended to ensure that the module will comply with FCC requirements regardless of the design of the power supplying circuitry in the device into which the module is installed. 15.212(a)(1)(iii)	🛛 - YES	□ - NO(*)	
	Details: <example application="" contains="" its="" module="" own="" please="" power="" refer="" regulation.="" schema="" supply="" the="" to="" –=""></example>	tic filed with	this	
4.	The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b), 15.204(c), 15.212(a), and 2.929(b). The antenna must either be permanently attached or employ a "unique" antenna coupler (at all connections between the module and the antenna, including the cable). The "professional installation" provision of § 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph 15.212(b). 15.212(a)(1)(iv)	🖾 - YES	□ - NO(*)	
	Details: <example an="" antenna="" connector="" connects="" consider<br="" is="" its="" module="" the="" to="" ufl="" using="" which="" –="">connector. A list of antennas tested and approved with this device may be found in users manual p application></example>			
5.	The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing. This is intended to demonstrate that the module is capable of complying with Part 15 emission limits regardless of the device into which it is eventually installed. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in Section 15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module (see Section 15.27(a)). The length of these lines shall be length typical of actual use or, if that length is unknown, at least 10 centimeters to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified or commercially available (see Section 15.31(i)). $15.212(a)(1)(v)$	🗆 - YES	⊠ - NO(*)	
	Details: <example and="" device(watch),="" host="" model="" module="" of="" td="" tested="" the="" wa<="" was="" watch="" with="" –=""><td>ıs KANEGAO</td><td>03.></td></example>	ıs KANEGAO	03.>	

	Modular Approval Requirement	Require	ment Met
(so If the in: wo "C us ap me ine ine wi lf in: wi wi an the the the the the the the the the the	ne modular transmitter must be labeled with its own FCC ID number, or use an electron display ee KDB Publication 784748). using a permanently affixed label with its own FCC ID number, if the FCC ID is not visible when e module is installed inside another device, then the outside of the device into which the module is stalled must also display a label referring to the enclosed module. This exterior label can use ording 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 ted. The Grantee may either provide such a label, an example of which must be included in the oplication for equipment authorization, or, must provide adequate instructions along with the odule which explain this requirement. In the latter case, a copy of these instructions must be cluded in the application for equipment authorization. the modular transmitter uses an electronic display of the FCC identification number, the formation must be readily accessible and visible on the modular transmitter or on the device in hich it is installed. If the module is installed inside another device, then the outside of the device to which the module is installed must display a label referring to the enclosed module. This tterior label can use wording such as the following: "Contains FCC certified transmitter odule(s)." Any similar wording that expresses the same meaning may be used. The user manual ust include instructions on how to access the electronic display. A copy of these instructions must	⊠ - YES	□ - NO(*
7. Th the A ex tra pr str	etails: <example a="" application.="" are="" as="" beling="" exhibit="" filed="" in="" installation="" instructions="" is="" label="" labeling="" manual="" module="" on="" shown="" the="" there="" this="" with="" –=""> me modular transmitter must comply with all specific rule or operating requirements applicable to e transmitter, including all the conditions provided in the integration instructions by the grantee. copy of these instructions must be included in the application for equipment authorization. For sample, there are very strict operational and timing requirements that must be met before a ansmitter is authorized for operation under Section 15.231. For instance, data transmission is ohibited, except for operation under Section 15.231(e), in which case there are separate field rength level and timing requirements. Compliance with these requirements must be assured. 5.212(a)(1)(vii)</example>	application ⊠ - YES	Host specific □ - NO(*
	etails: <example 15c="" application.="" complies="" fcc="" filed="" installation="" instructions="" manual="" module="" o="" part="" requirements.="" the="" this="" to="" with="" –=""></example>	EM installer	are provided
FC 15 pe sp co Se tyj	the modular transmitter must comply with any applicable RF exposure requirements. For example, CC Rules in Sections 2.1091, 2.1093 and specific Sections of Part 15, including 15.319(i), 5.407(f), 15.253(f) and 15.255(g), require that Unlicensed PCS, UNII and millimeter wave devices erform routine environmental evaluation for RF Exposure to demonstrate compliance. In addition, read spectrum transmitters operating under Section 15.247 are required to address RF Exposure ompliance in accordance with Section 15.247(b)(4). Modular transmitters approved under other excitons of Part 15, when necessary, may also need to address certain RF Exposure concerns, pically by providing specific installation and operating instructions for users, installers and other terested parties to ensure compliance. 15.212(a)(1)(viii)	🛛 - YES	□ - NO(*
111			

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: Kanega Watch Model No.: KANEGA003 Brand Name: UnaliWear

Software Considerations – KDB 594280 / KDB 442812 (One of the following 2 items must be applied)			
Requirement Rec		quirement Met	
 For <u>non-Software Defined Radio</u> 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. 	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>			
 For <u>Software Defined Radio (SDR)</u> devices, transmitter module applications must provide a software security description; see KDB Publication 442812. 	Cover Letter	🛛 - N/A	
Details: <example a="" –n=""></example>			

Split Modular Requirements			
Requirement Prov		rovided in Manual	
 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. 	Provided in Separate Cover Letter	🖾 - N/A	
Details: <example a="" n="" –=""></example>			

OE	OEM Integration Manual Guidance – KDB 996369 D03 Section 2			
Clear and Spec	cific Instructions Describing	g the Conditions, Limitations, and Proce	dures	
for third-parties to use and/or integrate the module into a host device.				
Requirement				
Requirement		□ - No,		
		If No, and LMA applies, the applicant	can antionally choose to	
		not make the following detailed info pu		
		needs to be basic integration instruction		
Is this module intended for	🖾 - YES	the information below must still be inc		
sale to third parties?		description. If the applicant wishes to k		
		this will require a separate statement co		
		module is not for sale to third partie		
		instructions are internal confide	ential documents.	
		al – See KDB 996369 D03, Section 2		
		ormation to be in the installation manual		
		or all these items indicating clearly when		
		idicate "Not Applicable". Also if a modu		
		arties, the user instructions may not need		
1. List of applicable FCC rules. K		ption, but this should include a cover let	ter as cited above.	
	elated to the transmitter.	2		
2. Summarize the specific operation		(260 DO2 Section 2.2		
		loss, reduction of power for point to point		
	ional installation info	loss, reduction of power for point to point		
3. Limited Module Procedures. K				
limiting condition			⊠ - All Items shown to	
		tate how control will be maintained such		
that compliance is ensured, such as Class II for new hosts, etc.			the left are provided in	
4. Trace antenna designs. KDB 996369 D03, Section 2.5			Guide (or UM) for Full	
		nnectors, isolation requirements, tests for	Modular Approval	
		dures for ensuring compliance. If	(MA) or LMA.	
		ential must be identified and information	()	
	operational description.		🗆 - An LMA applies	
5. RF exposure considerations. KI		1	and is approved ONLY	
		ow host manufacturers to use the sary: first to the host manufacturer to	for use by the grantee in	
		rom body) and second additional text	their own products, and	
	wided to the end user in the h		not intended for sale to	
6. Antennas. KDB 996369 D03, S			3 rd parties as provided in	
		nd all applicable professional installer	a separate cover letter.	
		t shall also identify the antenna types	Therefore the	
		ni-directional" is not considered a type)	information shown to	
7. Label and compliance informat			the left is found in the	
"Contains FCC ID: " with their finished product				
8. Information on test modes and additional testing requirements. KDB 996369 D03, Section 2.9				
		ration by host integrators including		
	cessary for stand-alone and si			
b. Provide information on how to configure test modes for evaluation 9. Additional testing, Part 15 Subpart B disclaimer. KDB 996369 D03, Section 2.10				
5. Additional testing, Part 15 Subj	Jan D discialifier. KDD 9903	07 D03, Section 2.10		

Sincerely,

By:

Ja hue Both CEO_ (Signature/Title¹

___Jean Anne Booth____ (Print name)

¹ - Must be signed by applicant contact given for applicant on the FCC site, or by the authorized agent if an appropriate

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authorized agent letter has been provided. Letters should be placed on appropriate letterhead.