

## **Request for Modular/Limited Modular Approval**

Dat	e: 2024.09.25			
Sub	ject: Manufacturer's Declaration for ⊠ - Modular Approval □ - Spli □ - Limited Modular Approval □ - Limited Spli	t Modular A		
Cor	fidentiality Request for: 2BEY3WCX040FCA			
	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	Require	ment Met	
	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="" antenna="" board="" component="" connector="" contains="" covers="" is="" located="" metal="" module="" next="" of="" on="" rf="" shield="" the="" to="" top="" which="" –=""></example>	ts and circu	itry. The	
	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 application="" as="" buffered="" circuit="" data="" described="" description="" in="" is="" modulation="" operational="" provided="" the="" to="" with="" –=""></example>			
	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.="" supply="" the="" this="" –=""></example>	to schemat	ic filed with	
	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 a="" an="" antenna="" connector="" connects="" considered="" is="" its="" module="" non-<br="" the="" to="" ufl="" using="" which="" –="">standard connector. A list of antennas tested and approved with this device may be found in users manual provided with the application&gt;</example>			
	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 as="" in="" module="" photogra<="" setup="" shown="" stand-alone="" td="" test="" tested="" the="" was="" –=""><td>aphs filed w</td><td>ith this</td></example>	aphs filed w	ith this	

	Modular Approval Requirement	Require	ment Met
6.	Modular Approval Requirement  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: 2BEY3WCX040FCA" or "Contains FCC ID: 2BEY3WCX040FCA" 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.  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	Require ⊠ - YES	ment Met
	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="" application.<="" are="" as="" exhibit="" filed="" host="" in="" installation="" instructions="" is="" label="" labeling="" manual="" module="" on="" shown="" specific="" td="" the="" there="" this="" with=""><td></td><td>pplication.</td></example>		pplication.
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.="" are="" complies="" fcc="" filed="" in="" installation="" instructions="" manual="" module="" part="" provided="" requirements.="" the="" this="" with="" –=""></example>	s to the OEN	l installer
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: < The module meets RF exposure in mobile configuration.>		

## **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: <example - N/A>

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="" adjugate="" application.="" be="" can="" cover="" device="" filed="" firmware="" letter="" modified="" not="" of="" or="" separate="" the="" this="" with="" –=""></example>	usted by the end user as o	described in	
<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 a="" –n=""></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>				

OEM Integration Manual Guidance – KDB 996369 D03 Section 2					
Clear and Specific Instructions Describing the Conditions, Limitations, and Procedures					
	-parties to use and/	or integrate the module into a host device.			
Requirement					
		□ - No,			
		If No, and LMA applies, the applicant can optionally choose to not			
		make the following detailed info public. However there still needs to			
Is this module intended for	⊠ - YES	be basic integration instructions for a users manual and the			
sale to third parties?		information below must still be included in the operational			
		description. If the applicant wishes to kee this will require a separate statement cover the statement cov			
		module is not for sale to third parties a			
		instructions are internal confidenti			
Items re	equired to be in the	manual – See KDB 996369 D03, Section 2	ar accaments.		
		ollowing information to be in the installation	manual. Modular		
		n in their instructions for all these items inc			
		on trace antenna design could indicate "Not			
		s and not intended for sale to third parties,			
may not need to be detailed ar		ns can be placed in the operational descrip	otion, but this should		
		over letter as cited above.			
List of applicable FCC rules.					
-	elated to the transmitt				
2. Summarize the specific opera					
		as, cable loss, reduction of power for point to			
	orofessional installation				
Limited Module Procedures. I     a. Describe alterna		grantee uses to verify the host meets the	_		
necessary limiti		grantee uses to verify the nost meets the	□ - All Items shown		
		cessary, state how control will be maintained	to the left are provided		
		ch as Class II for new hosts, etc.	in the Modular		
4. Trace antenna designs. KDB			Integration Guide (or		
		enna, connectors, isolation requirements,	UM) for Full Modular Approval (MA) or		
		duction test procedures for ensuring	LMA.		
		od used to keep confidential must be	2.00		
		the operational description.	☐ - An LMA applies		
5. RF exposure considerations.			and is approved		
		s that allow host manufacturers to use the re necessary: first to the host manufacturer	ONLY for use by the		
		e – xx cm from body) and second additional	grantee in their own		
		d user in the host product manuals.	products, and not		
6. Antennas. KDB 996369 D03,		a doc in the floor product mandale.	intended for sale to 3 <sup>rd</sup>		
•		cation and all applicable professional	parties as provided in		
		e. The antenna list shall also identify the	a separate cover		
		ole, etc – note that "omni-directional" is not	letter. Therefore the		
considered a type			information shown to		
7. Label and compliance information			the left is found in the		
		eed to provide a physical or e-label stating	theory of operation.		
	ID: " with their finishe				
		equirements. KDB 996369 D03, Section 2.9			
		consideration by host integrators including			
		one and simultaneous configurations.			
		ure test modes for evaluation			
<ol><li>Additional testing, Part 15 Su</li></ol>	υραπ Β discialmer. K	של פאטטפא אינע פאטטפא אינע פאטטפא אינע פאטטפא אינע פאטטפא אינע פאט			

Name: Kade Qian
Title: Director

Email: certification@netprisma.us

Date:2024/09/25