Quectel Wireless Solutions Company Limited

Date: April 20, 2023

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China 200233



Request for Modular/Limited Modular Approval

Subj	ect: Manufacturer's Declaration for	☑ - Modular Approval☐ - Limited Modular Approval	☐ - Split Modula		approval	
Con	identiality Request for: XMR2023R	G520NNA				
	8 Basic Requirements – FCC Part 15.212(a)(1) For Items Marked "NO(*)", the Limited Module Description Must be Filled Out on the Following Pages					
	Modular A	pproval Requirement		Require	ment Met	
	The modular transmitter must have its own loes not have to rely upon the shielding promodular transmitter emissions to comply we between the RF circuitry of the module and installed. Such coupling may result in non-capacitors may be located external to the shape.	ovided by the device into which it is instational interest in the feet limits. It is also intended to prevany wires or circuits in the device into vecompliant operation. The physical crystation.	alled in order for all went coupling which the module is	⊠ - YES	□ - NO(*)	
	Details: <example antenna="" board="" conne<="" contains="" he="" module="" next="" of="" td="" the="" to="" top="" –=""><td></td><td>nponents and circuit</td><td>y. The shield</td><td>is located on</td></example>		nponents and circuit	y. The shield	is located on	
	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>					
	The modular transmitter must have its own ensure that the module will comply with FC upplying circuitry in the device into which	CC requirements regardless of the design	of the power	⊠ - YES	□ - NO(*)	
	Details: <example contains<="" module="" td="" the="" –=""><td>its own power supply regulation. Please</td><td>se refer to schematic</td><td>filed with this</td><td>application></td></example>	its own power supply regulation. Please	se refer to schematic	filed with this	application>	
	The modular transmitter must comply with \$\frac{1}{2}\\$ 15.203, 15.204(b), 15.204(c), 15.212(a), attached or employ a "unique" antenna countenna, including the cable). The "profess o modules but can apply to limited modula	and 2.929(b). The antenna must either bupler (at all connections between the moional installation" provision of § 15.203	be permanently dule and the B is not applicable	⊠ - YES	□ - NO(*)	
	Details: <example a="" a<="" and="" antennas="" connector.="" connects="" list="" module="" of="" td="" tested="" the="" –=""><td></td><td></td><td></td><td></td></example>					
	The modular transmitter must be tested in a nside another device during testing. This is complying with Part 15 emission limits regularly such transmitter module will be batter equirements found in Section 15.207. AC (a) he module must not contain ferrites, unless (5.27(a)). The length of these lines shall be east 10 centimeters to insure that there is not equipment. Any accessories, peripherals, or hall be unmodified or commercially availa	intended to demonstrate that the module ardless of the device into which it is every powered, it must comply with the AC or DC power lines and data input/output they will be marketed with the module length typical of actual use or, if that less coupling between the case of the module support equipment connected to the module.	e is capable of ntually installed. line conducted lines connected to (see Section ngth is unknown, at ale and supporting dule during testing	⊠ - YES	□ - NO(*)	
	Details: <example module="" td="" teste<="" the="" was="" –=""><td>ed stand-alone as shown in test setup ph</td><td>notographs filed with</td><td>this application</td><td>on></td></example>	ed stand-alone as shown in test setup ph	notographs filed with	this application	o n >	

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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. 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	⊠ - YES	□ - NO(*)		
	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.<="" as="" exhibit="" filed="" in="" is="" label="" labeling="" module="" on="" shown="" td="" the="" there="" this="" with=""><td>lication. Hos</td><td>t specific</td></example>	lication. Hos	t specific		
	labeling instructions are shown in the installation manual filed with this application.>				
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 application.="" as="" exclusion="" exposure="" filed="" in="" information="" levels="" meets="" module="" portable="" rf="" shown="" the="" this="" with="" –=""></example>				

Sincerely,

Jean Hu

Quectel Wireless Solutions Company Limited