gemalto

Gemalto M2M GmbH • Siemensdamm 50 • 13629 Berlin • Germany

Federal Communication Commission
Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21048
USA

Name Axel Heike
Department System Test - Approvals

Phone +49 30 31102-8146
Fax +49 30 31102-8305
E-Mail Axel.Heike@gemalto.com

Your letter of
Our reference
Date 12 October 2017

Modular Approval Statement

FCC Certification Number: **QIPELS61-USA**

47 CFR 15.212 - Modular Transmitters				
Request for Modular Approval		**X**	**Request for Limited Modular Approval**	
	Requirements		EUT Conditions	Comply (Y/N)
Single Modular Approval Requirements				
1	The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.		The modular transmitter has its own RF shielding. Please refer to external photos.	**Y**
2	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.		The module has buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal.	**Y**
3	The modular transmitter must have its own power supply regulation.		The modular transmitter has its own power supply regulation. Please refer to PMD9635 in Schematic.	**Y**
4	The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c). 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		The requirements of antenna connector and spurious emissions have been fulfilled. Please refer to Test Report.	**Y**

Registered Office:
Gemalto M2M GmbH
Werinherstr. 81
81541 Munich
Germany

Managing Directors:
Andreas Hägele, Sébastien Gallois

Commercial register, Reg. No.:
Amtsgericht München, HRB 172715
WEEE-Reg.-Nr. DE 58893809

	can apply to limited modular approvals under paragraph (b) of this section.		
5	The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with part 15 requirements. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in § 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 § 15.27(a)). The length of these lines shall be the 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 and commercially available (see § 15.31(i)).	The modular transmitter is tested in a stand-alone configuration. Please refer to Setup Photo.	Y
6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. *(A) If using a permanently affixed label, the modular transmitter must be labeled with its own FCC identification number, and, if the FCC identification number 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*	The modular transmitter is labelled with its own FCC ID. Labelling instructions for host devices are stated in the user manual under chapter "Compliance with FCC and IC Rules and Regulations"	Y

	requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization. *(B) 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.*		
7	The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.	The modular transmitter complies with any specific rules or operating requirements. Instructions are provided in the user manual.	**Y**
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	The modular transmitter complies with RF exposure requirements. Please refer to MPE calculation for the exposure information.	**Y**

If you have any questions, please feel free to contact us at the address shown above.

Sincerely,

Axel Heike
Certification Manager

Dr. Jörg Rook
Head of System Test