

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

	Axel Heike System Test - Approvals	
Fax	+49 30 31102-8146 +49 30 31102-8305 Axel.Heike@gemalto.com	
Your letter of Our reference		

Date 12 October 2017

Modular Approval Statement

FCC Certification Number: QIPPLAS9-X

	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			
З	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 can apply to limited modular approvals under paragraph (b) of this section.	The requirements of antenna connector and spurious emissions have been fulfilled. Please refer to Test Report.	Y			

www.gemaito.com/m2m

gemalto×

	The modular transmitter must be tested	The modular transmitter is tested in	
	in a stand-alone configuration, i.e., the	a stand-alone configuration. Please	
	module must not be inside another	refer to Setup Photo.	1 (m) (m) (m) (m)
	device during testing for compliance with	- 29	
	part 15 requirements. Unless the		
	transmitter module will be battery		
ļ	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		
5	module must not contain ferrites, unless		Y
ľ	they will be marketed with the module		•
	(see § 15.27(a)). The length of these		
	lines shall be the length typical of actual		
1	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	I when the state of the state o	
	accessories, peripherals, or support		the second
	equipment connected to the module		
	during testing shall be unmodified and		
	commercially available (see § 15.31(i)).		
-	The modular transmitter must be	The modular transmitter is labelled	
	equipped with either a permanently	with its own FCC ID. Labelling	
	affixed label or must be capable of	instructions for host devices are	
	electronically displaying its FCC	stated in the user manual under	
	identification number.	chapter "Compliance with FCC and	
	(A) If using a permanently affixed label, the	IC Rules and Regulations"	
	modular transmitter must be labeled with its		1.1
	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		
6	referring to the enclosed module. This		Y Y
	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,		1.5
	an example of which must be included in the		
	application for equipment authorization, or,	2	_
			1,000
	with the module which explain this		
	requirement. In the latter case, a copy of		
1	these instructions must be included in the		
	must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of		



	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

Rood

Dr. Jörg Rook Head of System Test