



NXP Semiconductors

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Applicant	NXP Semiconductors		
FCC ID:	XXMFRDMKW41Z		
Section 15.212 Modular Transmitters			
Request for Modular Approval	<input type="checkbox"/>	Request for Limited Modular Approval	<input checked="" type="checkbox"/>
	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.	Refer to external photos. This module does not have shield cover.	N
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.	All inputs to the modules are buffered through logic or microprocessor inputs. Refer to Schematics.	Y
3	The modular transmitter must have its own power supply regulation.	Module uses DC5.0 power. Refer to user manual.	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 modular transmitter has a PCB antenna for Bluetooth LE and Zigbee. Refer to schematic.	Y

5	<p>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)).</p>	<p>The modular transmitter is tested in a stand-alone configuration, Please refer to setup photo.</p>	Y
6	<p>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: XXMFRDMKW41Z” or “Contains FCC ID: XXMFRDMKW41Z.” Any similar wording that expresses the same meaning may be used. The Grantee may either provide such a label, an</p>	<p>Refer to the lable.</p>	Y

