



Single Modular Approval Request letter

Subject: Modular Approval
Date: 2016-30-05
FCC ID: RB4-RTX915FSK3V

As required by FCC rule part §15.212, modular compliance is detailed below:

Requirement	Compliance: Yes or No with justification
(i). The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly	Yes The shield included all RF components (silicon Radio SX1211, 12,8MHz Crystal, SAW band-pass filter B3718 Epcos, passive network antenna adapter)
(ii). The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal	Yes A double non inverting logic (NC7WZ17P6X/NXP), buffering and filter the digital data before the modulator input. The network R9/C27 limit the max modulation bandwidth. DATA-IN is buffered by non inverting logic, pins ENABLE, TX/RX and CHANNEL are buffered inside the microcontroller PIC16LF1503.
(iii). The module must contain power supply regulation on the module	Yes Power supply regulation is provided within the SX1211, integrated circuit that regulates the control voltage to the RF and data circuitry. The maximum allowable voltage that can be used in the RF part of the chip is 2.3VDC – 3.6VDC.
(iv). The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203,	Yes Module has an integrated antenna printed on PCB.



15.204(b), 15.204(c), 15.212(a), 2.929(b)	
(v). The module must demonstrate compliance in a stand-alone configuration	Yes A demo-board circuit has been developed to demonstrate the operation in stand-alone.
(vi). The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	Yes Refer to the label and label location documents.
(vii). The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee	Yes Refer to User Manual and operating mode.
The module must comply with RF exposure requirements	Yes The module meets the requirements for a mobile device so it should be installed and operated with minimum distance of 20 cm between the radiator and human body as reflected in the User Manual.

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A handwritten signature in black ink, reading "Mattia Visani".

Mattia Visani – Technical Manager