



Modular Approval Request FCC (KDB 996369 D01 & Part 15.212)

FCC ID:X6O-BT03

<i>Items to be covered by Single modular transmitters.</i>	<i>Answer from applicant</i>
1. 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.	RF shielding located on the module
2. 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.	The module uses a digital data interface
3. The module must contain power supply regulation on the module	The module contains internal voltage regulators
4. 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 §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b).	The module contains a chip antenna soldered to the pcb
5. The module must demonstrate compliance in a stand-alone configuration.	Test were done in a stand-alone configuration using DTM commands
6. The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	The module size does not allow labelling as stated in KDB Publication 784748. See attached reasoning letter "BT03 Reasoning Module without FCC ID.pdf".
7. The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	The module complies with all applicable FCC rules. Instruction for maintaining compliance are given in the module specification.
8. The module must comply with RF exposure requirements.	The module complies with applicable RF exposure requirements.

Items to be covered by <i>Split modular transmitters</i>.	Answer from applicant
1. The modular transmitter must comply with all requirements of a single modular transmitter except for items (1) & (5) of the above single modular approval requirements.	Not applicable, the used SoC integrates RF Transceiver and radio control logic on same die.
2. Only the radio front end must be shielded. The physical crystal and tuning capacitors may be located external to the shielded radio elements. The interface between the split sections of the modular system must be digital with a minimum signalling amplitude of 150 mV peak-to-peak.	Not applicable, the used SoC integrates RF Transceiver and radio control logic on same die.
3. Control information and other data may be exchanged between the transmitter control elements and radio front end.	Not applicable, the used SoC integrates RF Transceiver and radio control logic on same die.
4. The sections of a split modular transmitter must be tested installed in a host device(s) similar to that which is representative of the platform(s) intended for use.	Not applicable, the used SoC integrates RF Transceiver and radio control logic on same die.
5. Manufacturers must ensure that only transmitter control elements and radio front end components that have been approved together are capable of operating together. The transmitter module must not operate unless it has verified that the installed transmitter control elements and radio front end have been authorized together. Manufacturers may use means including, but not limited to, coding in hardware and electronic signatures in software to meet these requirements, and must describe the methods in their application for equipment authorization.	Not applicable, the used SoC integrates RF Transceiver and radio control logic on same die.

Note: A limited modular approval (LMA) may be granted for *single* or *split* modular transmitters that comply partially with the requirements above.

Name and surname of applicant (or authorized representative): Lutz Rüffert

Date: 2026-07-15

**Signature: Lutz
Rueffert**

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