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

FCC ID: 2AS9410

Items to be covered by Single modular transmitters.	***Answer from applicant***
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.	Yes. Two shield cans are used to cover the radio frequency circuitries.
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.	Yes. The module has buffered modulation/data inputs.
3. The module must contain power supply regulation on the module	Yes. Power supply regulation is included in the module.
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).	Yes. The module contains specific antenna connecting pads for antenna connectors to connect to external antenna.
5.The module must demonstrate compliance in a stand-alone configuration.	Yes. The module demonstrates compliance in stand-alone configuration.
6.The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Yes. FCC ID is laser printed on the shield can of the module.
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.	Yes.
8.The module must comply with RF exposure requirements.	Yes. The module complies with RF exposure requirements.

Items to be covered by Split modular transmitters.	***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 (declared as single modular transmitter)
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 (declared as single modular transmitter)
3. Control information and other data may be exchanged between the transmitter control elements and radio front end.	Not applicable (declared as single modular transmitter)
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 (declared as single modular transmitter)
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 (declared as single modular transmitter)

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 <u>authorized</u> representative): Kenneth Wong

Date: 2024/8/12 **Signature:** 

Revision Record Sheet:

Revision	Section number	Page number	Date	Remark(s)	issued by
5		1	28-12-2022	History sheet added	WJJ

Issued/modified by : Willem Jan Jong
Function : Team Lead
Revision : 5
Date : 28-12-2022

Verified by : Axel Gase
Function : Quality Manager
Date : 28-12-2022

Released by : Axel Gase
Function : Manager Quality Assurance
Date of release: : 28-12-2022