

## Modular Approval Letter

**Date: Oct 18, 2024**

To:  
Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD

Subjects: Modular Approval Letter

The Device, [FCC ID: SMQCXUX](#), is seeking FCC authorization as a modular transmitter. The EUT meets the requirement for modular approval as detailed in FCC KDB 996369 D01 & Part 15.212. Compliance to each of the requirement is described below:

- (a) 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.

[Yes. The RF part is shielded by metal.](#)

- (b) 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..

[Yes. The EUT has its buffered modulation. Please see the Schematic Diagram.](#)

- (c) The modular transmitter must have its own power supply regulation.

[Yes. The modular with power management chip CYW43340.](#)

- (d) 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 module adopts a wire antenna design. The reference PCB Layout of the antenna is described in the manual.](#)

- (e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing.

[The modular was tested in a standalone configuration apart from host units.](#)

- (f) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.

[The modular has its own FCC ID number.](#)

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(g) The module shall comply with any applicable FCC RF exposure requirement which are based on the intended use/configurations.

Yes, the module is intended to use in mobile environment. FCC RF exposure requirement satisfied with 47CFR §2.1091.

(h) The modular transmitter complies with all applicable FCC rules. Instructions for maintaining compliance are given in the user instructions.

Yes

If you have any questions, please feel free to contact us at the address shown below

Sincerely,

Xia Huanhuan

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