

Quectel Wireless Solutions Company Limited

MODULAR APPROVAL LETTER

Applicant / Grantee	Quectel Wireless Solutions Company Limited
FCC ID:	XMR2022HC08U
Model:	HC08U

Modular Approval Requirement	Yes/No	Comments
(i) 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 module contains a metal shield which covers all RF components and circuitry. The shield is located on the top of the board next to antenna connector.
(ii) 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 modular has buffered data inputs, it is integrated in chip. Please see schematic.pdf.
(iii) The modular transmitter must have its own power supply regulation.	Yes	All power lines derived from the host device are regulated before energizing other circuits internal to the HC08U. Please see schematic.pdf
(iv) 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.	Yes	A unique antenna connector is on the modular.
(v) The modular transmitter must be tested in a stand-alone configuration	No	The module was tested in the certain host.
(vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	Yes	There is a label on the module as shown in the labeling exhibit filed with this application. Host specific labeling instructions are shown in the installation manual

Quectel Wireless Solutions Company Limited

		filed with this application.
(vii) The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.	Yes	The module complies with FCC Part 15C requirements. Instructions to the OEM installer are provided in the installation manual filed with this application.
(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Yes	The module meets the RF exposure requirement filed with this application.

This module does NOT meet one of the above requirements, the applicant may request Limited Modular Approval (LMA). Now this module is integrated into new mobile hosts and changes the antenna which gain is higher than original report. So the radiated spurious emission and band edge were evaluated.

The hosts information are shown as below:

Host Name: Power Amplifier

Model No.: UA 2-125

Brand Name: SONANCE

Host Name: Power Amplifier

Model No.: UA 2-125 ARC

Brand Name: SONANCE

Signature:

Print name: Jean Hu

Title: Certification Manager

Date: April 24, 2025