

Modular Approval Request - FCC

RE: Request for modular approval

Model: RFM100

FCC ID: BYMRFM100

To whom it may concern,

We formerly request modular approval on the above reference device pursuant to the requirements of FCC publication 996369 D01 for modular approval of Part 15 devices.

Modular approval requirement	Yes	No	Comment*
(a) The radio elements of the radio frequency circuitry must be shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The radio circuitry is shielded in its own module assembly.
(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable FCC rule part under conditions of excessive data rates or over-modulation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The input data is buffered by the transceiver chip.
(c) The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The module contains an onboard supply voltage regulator, which powers all components of the assembly.
(d) The module must certified with specific antennas and these antennas must be contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The module contains a permanent integrated antenna.
(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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The module was evaluated in a stand-alone configuration, powered by an external power supply.
(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The module is permanently labelled with FCC ID.
(g) The module shall comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions provided by the grantee.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Installation and operation instructions are provided in the user guide.
(h) The module must comply with RF exposure requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The module complies with RF exposure requirements.

* Please provide a detailed explanation for each item



Customer Driven

Based on the above information this request is for:

☐ LIMITED ☒ SINGLE modular approval.

Sincerely,

A handwritten signature in black ink, appearing to be "D. Tennis", with a stylized flourish at the end.

Darrell Tennis
Senior Electrical Compliance Engineer

6/16/2017

Company name and address:

HM Electronics, Inc.
14110 Stowe Drive, Poway, CA 92064, USA



Customer Driven

Instructions:

Please complete this form and copy to company letterhead.

Signature:

The request should be signed by the person who is listed as the contact person on the FCC Grantee database.

Definitions:

Single modular approval – If all of the answers in the checklist are “YES” then the product may be approved as a single modular approval. In this case the module may be placed in any host product and may be sold to third parties for integration into host products.

Limited modular approval – If one or more of the single modular requirements in the checklist cannot be met, the product may be eligible for limited modular approval. In this case the approval is host specific and the product may only be integrated into host configurations for which it has been certified. A Class II Permissive Change may be filed to add host configurations.