

[Applicant or agent letterhead]

RE FCC ID: 2AHXCBC010

To the certification reviewer:

We are hereby applying for FULL modular approval of the above-referenced FCC ID, based on compliance with ALL of the criteria as detailed below.

Sincerely,

Mason Maguire
Product Engineer

Part 15 Unlicensed Single Modular Transmitter Approval Justification per 15.212

Requirement per 15.212	reference
(i) The radio elements of the modular transmitter must have their own RF shielding.	Shielding is provided by a metal cover over the circuitry.
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	All modulation and data inputs are buffered by circuitry on the transmitter chip.
(iii) The modular transmitter must have its own power supply regulation.	Power supply regulation is provided by circuitry on the transmitter chip
(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 is permanently attached.
(v) The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with Part 15 parameters.	Testing was performed in a stand alone fashion, with the module connected only to a remote battery pack
(vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. If the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.	A sample of the host label is provided as an exhibit, showing the FCC identifier of the module.

(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.	The module complies fully with the operating requirements of Part 15 section 247 as demonstrated in the test report exhibit.
(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	The module was evaluated according to the provisions of FCC Rules in Section 15.247(i).

Instructions for integration into third-party products:

The BC010 module requires ZERO external components to operate within the FCC test limits (all power decoupling, filtering, voltage regulation, reverse polarity protection are integrated into the module). Therefore, the BC010 only needs a voltage source between 2.3 and 3.8 V in order to operate. This means the BC010 can be used in a stand-alone fashion or it can be mounted onto a host board. In the stand-alone case, the voltage source is connected to the positive and negative contact pads on the bottom of the BC010 through means such as soldering or sheet metal battery contacts. When mounting onto a host board, a copper keep-out area should be included directly under the BC010 antenna.

This module can be used in an application that is less than 5 cm from a person as long as the product does not contain any other transmitters.

Third-party software:

This module was tested while operating at full power and the end user cannot change the modulation scheme (only one scheme is available). Therefore there are no software changes the end user can make that would cause the module to fail compliance.