



RE FCC ID: HSW-TY1SC

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,

Mark Tucker
Manager, Hardware Engineering

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 (patented) metal-filled resin over the module 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).	This product is a licensed device sold without an antenna. Maximum allowable antenna gain, and frequency range of acceptable antennas is listed in the user manual and in the operating description.
(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 with the module extended outside of the host on a special extender board, as shown in the test setup photos.
(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 as demonstrated in the test report exhibit.
(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Device meets MPE limits when using maximum antenna gains listed in operating manual.