

RE FCC ID: 2AB3N-SA189AW**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,



Goh Chooi Chuan
Senior Manager

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.	Yes. The modular SA189AW has its own RF shielding. Please see external photo.
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	Yes. The modular SA189AW has buffered modulation/data inputs, it is integrated in transmitter chip (IC1). Please see the diagram.pdf
(iii) The modular transmitter must have its own power supply regulation.	Yes. The modular SA189AW Power supply regulation is provided by circuitry IC4, IC3 and in the transmitter chip (IC1). Please see the circuit.pdf
(iv) The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c).	Yes. The modular SA189AW with permanently antenna (embedded antenna on PCB).
(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.	Please refer exhibition test configuration photo for the stand-alone test configuration.
(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.	The label position of modular SA189AW is clearly indicated. Please see the label.pdf and please see user manual

(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 modular SA189AW is compliant with all applicable FCC rules. Details instructions are given in the Users Manual. Please see User Manual.pdf
(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	The modular SA189AW comply with applicable RF exposure requirements. Please see RF safety evaluation.pdf