

# Modular Approval Request Letter

Airtouch (Shanghai) Intelligent Technology Co., Ltd  
Room 902, Building 2, No. 88 Shengrong Road, Pudong New  
Area, Shanghai, China

**RE FCC ID:**

**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,

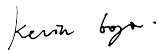
Product Name: 5.8GHz Radar Sensor  
Model Number: ATS58-2020  
FCC ID: 2AVK2-ATS58-2020      Date: 2020-07-22

## 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.	No The module has not its own RF shielding
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	Yes. This module is only used in our own specific products and not for OEM market. We have total control of the design and the data protocol to the module, and This product has SRAM to buffer data.
(iii) The modular transmitter must have its own power supply regulation.	Yes This module is only used in our own specific products and not for OEM market, it is always power supplied from the main board with the nominal power supply voltage 5VDC, The voltage is reduced to 3.3V through the voltage step-down circuit to power the AT5810. and product contains an LDO power circuit, and the IC contains an independent power management module.
(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 antenna is a PCB antenna which 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.	Yes The module is test in a stand-alone.

(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.	Yes This module will be labelled with its FCC ID number. When the module is installed in our products and it is not visible, an external label will be applied which refer to the modules FCC ID number inside.
(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. This module will only be used in our own specific products which are controlled by our own requirement specifications. The user manuals of host are provided to provide the instruction to meet the equipment authorization
(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Yes. This module is only used in our own specific products and not for OEM market. And the RF Exposure we have been prepared.

Thank you.  
Sincerely,



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