



Modular Approval Request Letter

FCC ID: AIBA091563

Date: 29 Feb, 2012

Gentlemen:

There's an **AT86RF231 Radio Board** that would like to have your authorization as a modular approval. The specific product as below, **AT86RF231 Radio Board**, with its designed features and specified description, meets special requirements for full modular approval on FCC Public Notice DA 00-1407 Released: June 26, 2000 by cross-reference list below.

Company	ATMEL Semiconductor Technology (Shanghai), Ltd.
Model Name	AT86RF231 Radio Board
Model Number	A09-1563
FCC ID	AIBA091563

<input checked="" type="checkbox"/>	Modular Approval
<input type="checkbox"/>	Limited Modular Approval

Requirement of Public Notice DA00-1407 / part 15.212	Reference to A09-1563
1. The modular transmitter must have its own RF shielding.	The module has its own RF shielding. Please see External Photos.pdf
2. The modular transmitter must have buffered modulation/data inputs.	The modular has buffered data inputs, it is integrated in chip AT86RF231. Please see Schematic.pdf
3. The modular transmitter must have its own power supply regulation.	The AT86RF231 RF transceiver IC has internal regulator as shown in the Block Diagram.pdf
4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).	The A09-1563 meets the FCC antenna requirements. The antenna is glued on the board.
5. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing.	The A09-1563 was tested in a stand-alone configuration via a Processor Board .Please see Test Photos.pdf
6. The modular transmitter must be labeled with its own FCC ID number, and, 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 A09-1563 is clearly indicated. Please see the Label & Location.pdf
7. The modular transmitter must comply with any specific rule or operating requirements applicable to the 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 A09-1563 is compliant with all applicable FCC rules. Detail instructions are given in the Users Manual. Please see User Manual.pdf
8. The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 2.1091, 2.1093 and specific Sections of Part 15, including 15.319(i), 15.407(f), 15.253(f) and 15.255(g), require that Unlicensed PCS, UNII and millimeter wave devices perform routine environmental evaluation for RF Exposure to demonstrate compliance. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF Exposure compliance in accordance with Section 15.247(b)(4).	The A09-1563 comply with applicable RF exposure requirements. Please see MPE.pdf



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Thank you.
Sincerely,

A handwritten signature in black ink, appearing to be "Lin Ming", written over a solid horizontal line.

Lin Ming
Hardware Applications Manager