

# Quintic(Beijing) Microelectronics Co., Ltd.

## Modular Approval Request Letter

FCC ID: 2AB359321-0B Data: 2014-12-20

Gentlemen:

There's an BT 4.0 Low Energy Module that would like to have your authorization as a signal modular approval

<b>Company:</b>	Quintic(Beijing) Microelectronics Co., Ltd
<b>Product Name:</b>	Bluetooth 4.0 Low Energy Module
<b>Model Number:</b>	QS9321-PLCS
<b>FCC ID</b>	2AB359321-0B

Requirement of KDB996369	Remark: Please fill in Yes or No and the explanation should be provided
1. The modular transmitter must have its own RF shielding.	The module has its own RF shielding. Please refer to "Operation Description.pdf"
2. The modular transmitter must have buffered modulation/data inputs.	The module has buffered data inputs, it is integrated in chip QN9021. Please refer to "Schematics.pdf" and section 5.5 of QN9021 datasheet
3. The modular transmitter must have its own power supply regulation.	The QS9321-PLCS has its own Power supply regulation circuit, which is integrated in chip QN9021. External power supply in range of 2.4v~3.6v is regulated before energizing other circuits internal to the QS9321-PLCS. Please see schematic.pdf. and section 5.5 of QN9021 datasheet
4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).	The QS9321-PLCS meets the FCC antenna requirement with integral antenna. Please refer to "Internal Photo.pdf"
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 QS9321-PLCS was tested in stand-alone configuration. Please refer to test report and "Test Setup Photo.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 QS9321-PLCS is clearly indicated. Please see the "Lable&Location.pdf" When the module is installed inside another device the information of label has been added in the user manual
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 2AB359321-0B is compliant with all applicable FCC rules. Detail instructions are given in the User Manual. Please see the "Installation Guide.pdf"

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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 2AB359321-0B complies with applicable RF exposure requirements.

Please refer to the MPE report

Thank you.

Sincerely,

Signature: Lei Zhou

Name & Title: Lei Zhou

Company: Quintic(Beijing) Microelectronics Co., Ltd

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