

## Modular Approval Request Letter

GUANGDONG TONGFANG ILLUMINATIONS CO.,LTD.  
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GONGHE TOWN, HESHAN CITY, GUANGDONG, 529728, CHINA.

Product Name: Bluetooth Controller

Model Number: TF002

FCC ID: 2ATZB-TF002

Date: 2019-06-05

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| Requirement of Public Notice DA00 - 1407 / part 15.212                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1. The modular transmitter must have its own RF shielding.                                                                                                                                                                                                                                 | No<br>The module has not its own RF shielding                                                                                                                                                                                                                                                                                                                                                                    |
| 2. The modular transmitter must have buffered modulation/data inputs.                                                                                                                                                                                                                      | Yes.<br>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.                                                                                                                                                                                                         |
| 3. The modular transmitter must have its own power supply regulation.                                                                                                                                                                                                                      | Yes<br>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 +5.0VDC to +24VDC, The voltage is reduced to 3.3v through the voltage step-down circuit to power the Bluetooth chip. and product contains an LDO power circuit, and the Bluetooth IC contains an independent power management module. |
| 4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).                                                                                                                                                                                      | Yes.<br>The antenna is a PCB antenna which is permanently attached.                                                                                                                                                                                                                                                                                                                                              |
| 5. The modular transmitter must be tested in a stand - alone configuration, i.e., the module must not be inside another device during testing.                                                                                                                                             | Yes<br>The module is test in a stand-alone.                                                                                                                                                                                                                                                                                                                                                                      |
| 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. | Yes<br>This module will be labelled with its FCC ID number 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.                                                                                                                                                                                        |
| 7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the                                                                                                                                                              | Yes.<br>This module will only be used in our own specific products which are                                                                                                                                                                                                                                                                                                                                     |

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| <p>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.</p>                                                                                                                                                                                                                                                                                                                                               | <p>controlled by our own requirement specifications. The user manuals of host are provided to provide the instruction to meet the equipment authorization</p>                                                                                                                |
| <p>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).</p> | <p>Yes.</p> <p>The module installed in specific host which is instructed the user to install the host with more than 20cm from the user.</p> <p>This module is only used in our own specific products and not for OEM market. And the RF Exposure we have been prepared.</p> |

Thank you.

Sincerely,

Wendell Wu 

Title: Certification Engineer

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