

FCC Modular Approval Request

To the FCC or FCC TCB handling this application

Hereby we,

Company (grantee) SHENZHEN KECHUANGDA MICRO ELECTRONICS CO.,LTD
 Address 10F, Qinghua information Port A, North Highkeyuan Road, Nanshan District
 City / ZIP / State / Country Shenzhen China

request **modular approval** for the certification of our equipment within this application, identified by:

FCC ID: 2ACVBKCD24T01

The table below contains justification for limited modular approval of this equipment.

Requirement per DA 00-1407	Explanation from grantee
1. The modular transmitter must have its own RF shielding.	The modular shielded
The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation.	Max 100 bytes.GFSK modulation. Power part: The VS4432 is a positive voltage r egulator with a low dropout voltage and low noise output. In addition, this d evice offers a very low ground current of 100µA at 21mA output. The VS4432 has an initial tolerance of less than 1% max and a logic compatible ON/OFF switched input. When disabled, power consumption drops to nearly zero. Othe r key features include reverse battery protection, urrent limit, and thermal shu tdown. The VS4432 includes a reference bypass pin for optimal low noise out put performance. With its very low output temperature coefficient, this device also makes a superior low power voltage reference.
2. The modular transmitter must have its own power supply regulation.	the modular transmitter have its own power supply regulation DC 4.5V , it is powered by "AA" battery
The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c). The antenna must either be permanently attached or employ a "unique" antenna coupler (at all connections between the module and the antenna, including the cable)..	The modular is comply with the antenna requirements of section 15.203 and 15.204c Reverse SMA This aspect is further covered in the Operation Description
3. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing. This is intended to demonstrate that the module is capable of complying with Part 15 emission limits regardless of the device into which it is eventually installed.	The modular was tested in a stand-alone configuration.
4. 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. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: 2ACVBKCD24T01" or "Contains FCC ID: 2ACVBKCD24T01." Any similar wording that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization, or, must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization.	The modular was labelled with its own FCC ID
5. 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. For example, there are very strict operational and timing requirements that must be met before a transmitter is authorized for operation under Section 15.231. For instance, data transmission is prohibited, except for operation under Section 15.231(e), in which case there are separate field strength level and timing requirements. Compliance with these requirements must be assured.	The modular is comply with any specific or operating requirements applicable to the transmitter.
6. 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 millimetre 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	The modular is comply with any applicable RF exposure requirements. This submission is a FCC15.249 application, so this EUT is an extreme low power device and could comply with SAR exemption evaluation always

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<p>15.247(b)(4). Modular transmitters approved under other Sections of Part 15, when necessary, may also need to address certain RF Exposure concerns, typically by providing specific installation and operating instructions for users, installers and other interested parties to ensure compliance.</p> <p>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 requirements. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in § 15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module (see § 15.27(a)). The length of these lines shall be the length typical of actual use or, if that length is unknown, at least 10 centimeters to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified and commercially available (see § 15.31(i)).</p>	<p>The modular transmitter must be tested in a stand-alone configuration.it is powered by AA battery DC 4.5V</p>
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Attestation (by grantee)

City and Country:	Date:	Name: <small>(this must be a person)</small>	Function:	Signature: <small>(or official company stamp)</small>
shenzhen	2014.8.7	LV QUN	Administration Staff	