KCD24T01 RF Module production instruction manual

1. Summary: KCD24T01 RF Module is a RF transceiver module that can work in the 2.4GHZ band for toy remote control car
2. Electrical parameters:

Operating voltage：DC 4.5V(BATTERY POWERED)

Operating current：21ma

Operating frequency: 2402MHZ-2480MHZ

The RF output maximum power: -14dbm

Modulation mode: GFSK

The modulation frequency deviation maximum: 280KHZ

3.Functional description:

Modules are installed on a PCB board,to connect power switch by turning on the switch on the base board. At the mean time, there are 4 keys and 1 LED light on the board is also connected to corresponding pin on module. LED light will slowly flash at first after switching on the power and module begins to match codes. Then turn on the other receiving module power, LED light will flash quickly off for 2 seconds after 1-3 seconds later which means the connection between the two modules has been established, codes have been matched. Then proceed into the normal mode, the corresponding orders can be sent out as RF signals via

transmitting antenna by pressing buttons of forward, backward, turn left and turn right. modula powered by AA battery.Note: this EUT is powered by the battery only(1.5V*3AA)

FCC Caution: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
FCC RF Exposure Statement
The modular is comply with any applicable RF exposure requirements.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.
This device complies with part 15.203.

FCC Statements of Compliance

Statement and Conditions of Modular Compliance

FCC NOTICE (FCC ID: 2ACVBKCD24T01)

This device complies with the rules set forth in Part 15 by the Federal

Communications Commission. Operation is subject to the following two conditions:

1) This device may not cause harmful interference

2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by SHENZHEN KECHUANGDA MICRO ELECTRONICS CO.,LTD could void the user's authority to operate the equipment.

The KCD24T01 module is provided with an Limited FCC Modular Certification(powered by battery only). This certification may be install in an end-user product, negating the need for FCC part 15 intentional radiator testing on this module, provided that the following guidelines are met:

1. The module must not be modified in any way. Coupling of external circuitry must not bypass the provided connectors.

2 End product must be externally labeled with "Contains FCC ID: 2ACVBKCD24T01"

3. The antenna used for this transceiver must not be co-located or operating in conjunction with any other antenna or transmitter.

4. The integrator must not provide any information to the end-user on how to install or remove the module from the end-product.

The integrator is required to perform unintentional radiator testing on the final product per FCC sections 15.107 and 15.109.