4. USER MANUAL

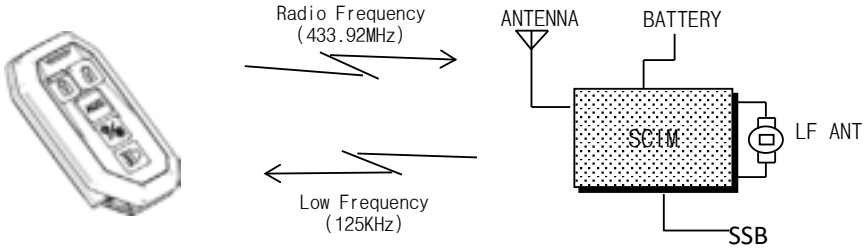
4.1 ITEM : KEYFOB-Smart key system

- This system is SCIM and inculdes RKE.
- RKE in SCIM system is intended for auto door lock or unlock or TRUNK in vehicle.
- This SMK system is to be installde on motor vehicles as *OE item.

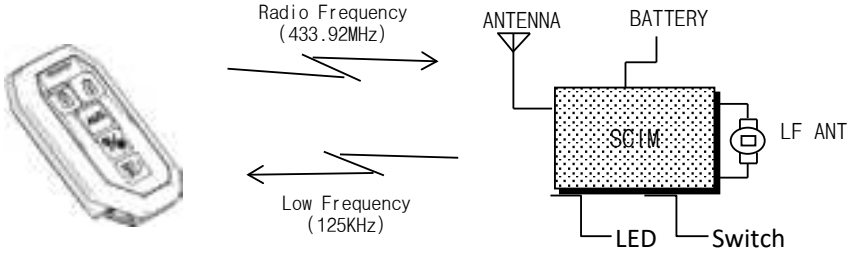
*OE : Original Equipment.
*SCIM : Security & Cab Interface Module
*RKE : Remote Keyless Entry.

4.2 SYSTEM CONSTRUCTION

4.2.1 SYSTEM IN VEHICLE



4.2.2 SYSTEM FOR TEST



① Connect the 24V power supply and turn on the switch
② Pressing the white tact switch, LF signal is transmitted and FOB LED and IBU LED is flahes
③ When the tact switch is pressed repeatively, FOB LED and SCIM LED is flahes, repeatively.
* It shows the status of operation through the LED used.

6. Product Information

6.1 Configuration of smart key system

6.1.1 Fob (transmitter): Fob includes passive entry and passive start functions.
It uses a radio frequency and has a TP function for emergency start.

6.1.2 Smart key system (receiver): Controls RKE, passive entry, passive start functions.

6.2 Performance

6.2.1 Transmitter

ITEM	SPECIFICATION
Rated supply voltage	DC 3V
Operating voltage range	DC 2.5 ~ 3.2V
Operating temperature range	- 10 ~ + 60℃ with Battery
Storage temperature range	- 30 ~ + 85℃ without Battery
Modulation	FSK
Frequency	433.92MHz
Code	Rolling Code(Hopping Algorithm)
Electric field strength	10mW (433.92MHz)
Battery life	2 Year(10Times/Day)(Lithium 3V 1EA)

6.2.2 Receiver

Item	Specification
Rated Supply Voltage	DC 24V
Operating Voltage	DC 16 ~ 32V
Operating Temperature	-40~ + 85℃
Max Humidity	95%

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.

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC and IC RF Radiation Exposure Statement: This equipment complies with FCC and IC RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

RF du FCC et IC d'exposition aux radiations: Cet équipement est conforme à l'exposition de FCC et IC rayonnements RF limites é-tablies pour un environnement non contrôlé.
L'antenne pour ce transmetteur ne doit pas être même endroit avec d'autres émetteur sauf conformément à FCC et IC procédures de produits Multi-émetteur.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) L'appareil ne doit pas produire de brouillage;
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.