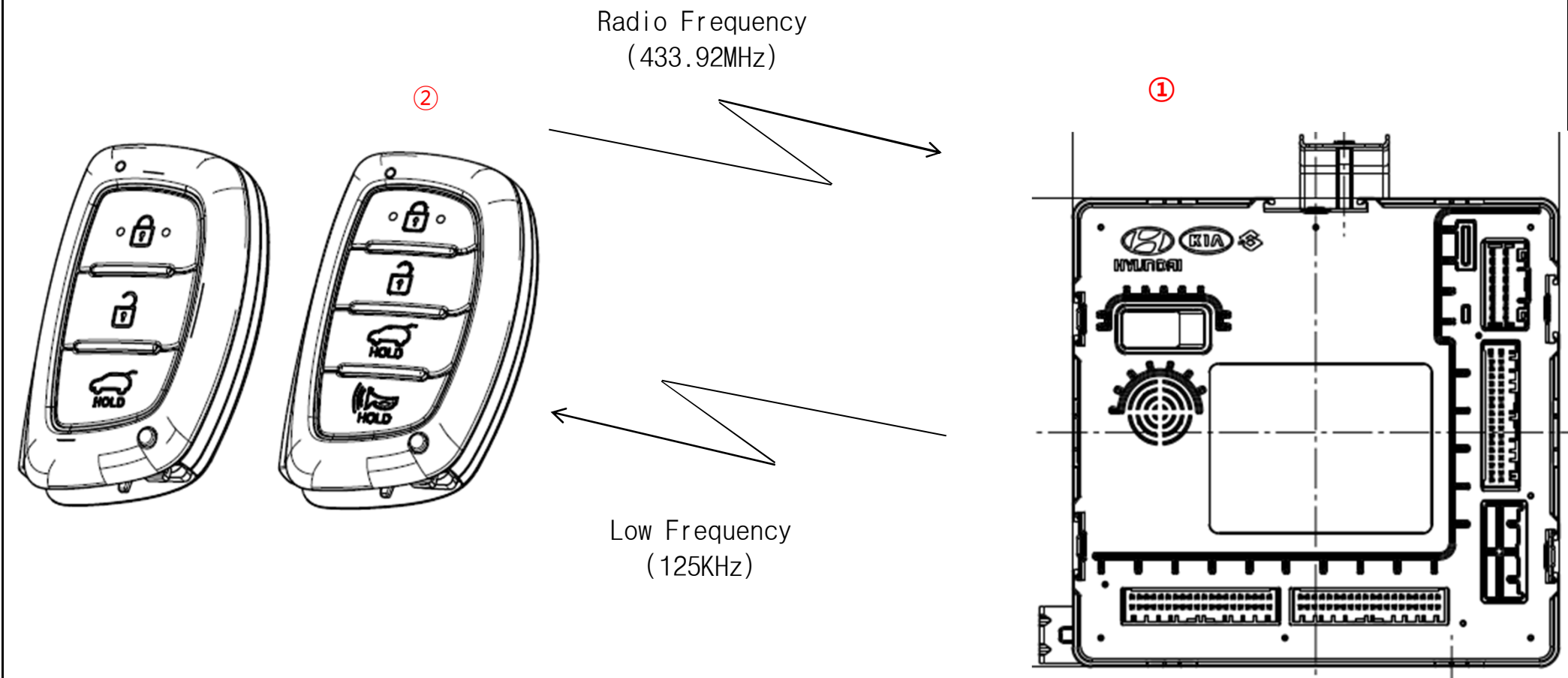


NO.	PART NAME	Q'TY	REMARKS
①	IBU	1	
②	FOB(TRANSMITTER)	1	

SHT/SHTS : 6/11



NAME	FOB & SMART KEY SYSTEM
TITLE	SYSTEM DIAGRAM
SCALE	FREE

Title :

Information Document

NO.

Date

SHT/SHTS : 3/11

2. PRODUCT SPECIFICATION

2.1 Scope of RKE, passive entry control, passive start control in SMART Key system.

2.1.1 FOB KEY : It has the functions for passive entry and passive start including RKE functions. It also has the TP for emergency authentication for passive start

2.1.2 SMART Key system : It is an ECU to control the whole smart key system. It has the functions such as passive entry control, passive start control, RKE functions.

2.2 SPECIFICATIONS

2.2.1 FOB KEY

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)

2.2.2 RECEIVER

Item	Specification
Rated Supply Voltage	DC 12V
Operating Voltage	DC 9 ~ 16V
Operating Temperature	- 35 ~ + 75℃
Max Humidity	95%
Standby Current	Below than 6mA (in alarm setting condition)

Title :

Information Document

NO.

Date

SHT/SHTS : 5/11

3. USER MANUAL

3.1 ITEM : SMART KEY-FOB

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

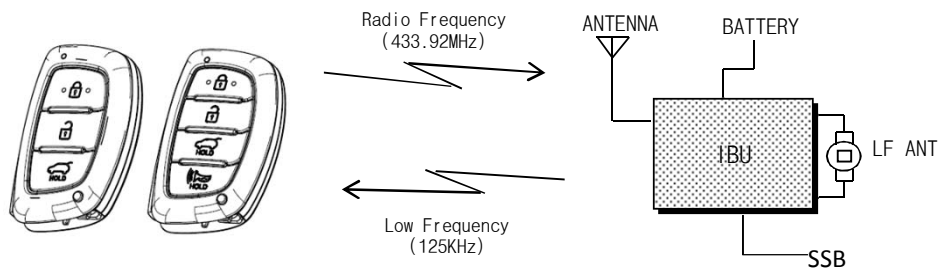
*OE : Original Equipment.

*IBU : Integrated Body Control Unit

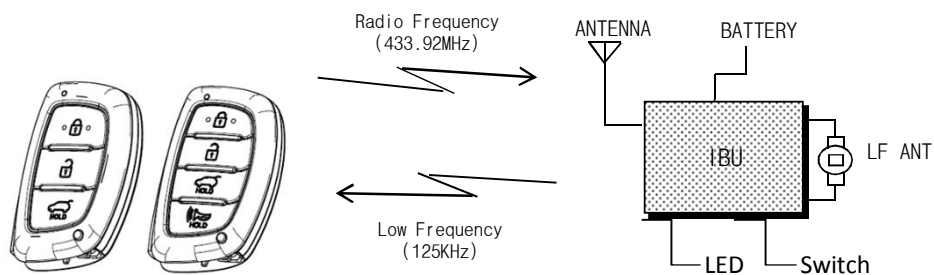
*RKE : Remote Keyless Entry.

3.2 SYSTEM CONSTRUCTION

3.2.1 SYSTEM IN VEHICLE



3.2.2 SYSTEM FOR TEST



- ① Connect the 12V 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 IBU LED is flahes, repeatively.
- * It shows the status of operation through the LED used.



USER MANUAL

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : 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

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement: