

## **Product Description for Venice VE1**

Venice VE1 is a triband GSM phone which can operate in GSM 1900 band with class 1 power output. The other two GSM bands include GSM 900 with class 4 and GSM 1800 with class 1. To put this device into operation, a SIM card is needed to ensure a legal network operator allows this unit to operate in their allotted frequency band. After the SIM card is installed, the device can then be powered on by first the implementation of battery pack onto battery chamber at the back of the phone, and press red key PWR to turn on the unit.

Internally, there are two major portions: RF (radio frequency) and BB (base band). RF portion handles the processing of wireless signal conversion & its generation. These signals are either passed onto BB or originated from BB portion which is more or less similar to the processing unit of a simplified computer, controlling various system interfaces including display, input, power management, analog output (via receiver/speaker voice or headset) etc..

The antenna system designed in this product is an external stub antenna fixed internally and may not be removed or changed without the opening of chases. A special ground system, in addition to the normal ground layer embedded within PCBs, is employed in this unit in that an extended ground wire is connected to PCB ground via a pogo pin on the keypad side to project an image of ground such that the system behavior especially the SAR distribution can be spread more uniformly to meet the required safety standard.