

**SKY**<sup>®</sup>  
DEVICES

**EliteD55**



User Manual / Manual de Instrucciones

# User Manual

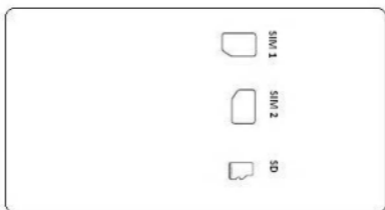
## Design

To turn on the device, keep the ON button pressed for a couple of seconds.



|   |                  |    |             |
|---|------------------|----|-------------|
| 1 | USB Port         | 6  | Volume +/-  |
| 2 | Earphone Jack    | 7  | Power key   |
| 3 | Receiver         | 8  | Microphone  |
| 4 | Proximity Sensor | 9  | Rear camera |
| 5 | Front camera     | 10 | Speaker     |

## How to install SIM card and battery



Follow the steps shown on the image located in the back part. Please note that the device has 2 slots for SIM cards.

Make sure that the back cover is well placed and closed after you insert the SIM card(s).

## How to proceed if the device gets blocked?

1. Press RESET button
2. Press ON button for a couple of seconds
3. Take out the battery

## Charge the battery

Before using the device for the first time or if the battery has not been used for a long time, you need to charge the battery.

Use only approved chargers, batteries and cables. Unapproved chargers or batteries can damage the battery or the device.

Connect the small end part of the charger to the device's multifunction slot and the big end part of the charger to an electric source.

If you connect the charger in a wrong way, you can seriously damage the device. The warranty does not cover damage caused by an inappropriate use.

After charging is complete, disconnect the device from the charger. Disconnect first the charger from the device and then from the electric source. Do not take out the battery before disconnecting the charger. This can damage the device.

The charger does not have ON/OFF button, so, in order to cut the electrical supply, the end user should disconnect the charger from the electric source. Please keep the charging cable close to the device when it is charging, to avoid it to be tight. To save energy, disconnect the charger when it is not in use.

# Information about security

This section contains information about mobile security. Some content may not apply to your device. To avoid injury to yourself and others, or damage to the device, read the safety information before using the device.

**Warning** Failure to comply with these rules and security warnings, the end user could suffer serious injury or death.

**Do not use damaged power cables or connectors or loose plugs.** Insecure connections can cause electrical shock or fire

**Do not touch the power cord with wet hands or pull the cord to disconnect the charger.** Doing so could end up in electrocution.

**Do not bend or damage the power cord.** Doing so could cause electric shock or fire.

**Do not touch the power cord with wet hands or pull the cord to disconnect the**

**charger.** Doing so could cause an electric shock.

**Do not short-circuit the charger or the device.** Doing so could cause electric shock or fire, or the battery may malfunction or explode.

**Do not use the device outdoors during a thunderstorm.** Doing so could cause electric shock, or the device may malfunction.

**Use batteries, chargers, accessories and supplies approved by the manufacturer.**  
**Do not knock or drop the charger or device.**

**Handle and dispose of the device and the charger with caution**

**Protect the device, battery and charger to avoid damage**

**Do not store the device in heaters, microwaves, hot cooking equipment, or high pressure containers, or near them**

**Do not use or store the device in areas with high concentrations of dust or airborne materials**

**Do not bite or suck on the device or battery**

**Do not insert the device or supplied accessories into the eyes, ears and mouth**

**Do not handle damaged batteries lithium ion or leaking**

**Do not use the device in a hospital, on a plane or car that could be interfered with by radio frequency**

**Do not expose the device to heavy smoke or fumes**

**If you use a hearing aid, contact the manufacturer for information about radio interference**

**Do not use the device near other equipment or devices emitting radio frequency, such as sound systems or radio towers**

**Turn off the device in potentially explosive environments**

**If you notice that the device or battery emits strange smells or sounds, or see smoke or liquid leaving the device or battery, stop using the device immediately**

**Comply with all safety warnings and regulations regarding the use of mobile devices while driving**

## **Correct use and maintenance**

**Keep the device dry**

**Do not store the device in hot or cold areas.**

**It is recommended to use the device at temperatures between 5 ° C and 35 ° C**

**Do not expose the device to direct sunlight for long periods (eg on the dashboard of a car)**

**Do not store your device with metal objects, such as coins, keys and necklaces**

**Do not store your device near magnetic fields**

Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

**If the device is heated, discontinue use of the device or applications for a while**



**Do not use the device if the back cover is not installed**

**If your device has a lamp or a flash for the camera, do not use near the eyes of people or pets**

**Use caution when exposed to flashing lights**

**Reduce the risk of repetitive motion injuries**

**When using headphones protect your hearing and ears**

Excessive exposure to loud sounds can cause hearing damage.

Exposure to loud sounds while walking can distract your attention and cause an accident.

Always turn the volume down before plugging the earphones into an audio source and use the setting necessary to hear your conversation or music minimum volume.

Do not carry your device in your back pockets or around your waist

Do not paint your device or put stickers

**Do not use the device if the screen is cracked or broken**

**Install mobile devices and equipment with caution**

**Do not let the product drop or subject to strong impact**

**Ensure maximum duration for battery and charger**

Avoid charging the device for more than a week, as overcharging may shorten the battery life.

Over the time, if the device is not used, it will be discharged and needs to be recharged to use it

Unplug the charger from the power supply when not in use.

**Protect your personal information and avoid disclosure or misuse of confidential information**

**Do not distribute copyright material by copyright**

## **Malware and virus**

Follow the following tips to protect your device against malware and viruses. Otherwise, it may cause damage or loss of data, which may not be covered by warranty

- Do not download applications from unknown sources.
- Do not enter in unreliable web sites.
- Delete suspicious SMS or emails from unknown senders.
- Set up a keyword and change it often.
- Unavailable the wireless functions such as Bluetooth® when not in use.

## **Correct disposal of this product**

The presence of this symbol on the product, accessories or literature accompanying indicates that the product or its electronic accessories (eg charger, headset , USB cable) should be disposed of with other household waste.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, separate this from other types of waste and recycle them. Thus the sustainable reuse of material resources is promoted.

Household users should contact either the retailer where they purchased this product or their local authorities to find out how and where they can take to be subjected to environmentally safe recycling.

Business users should contact their supplier and check the conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial waste.

## **Correct disposal of batteries in this product**

The presence of this marking on the battery, manual or packaging indicates that when finished the life of the batteries should not be disposed of with other household waste. The chemical symbols Hg , Cd or Pb if present, indicate that the battery contains mercury , cadmium or lead above the reference values allowed by Directive 2006/66 of the European Union levels. If the batteries are not properly disposed of, these substances can cause injuries or damage the environment.

To protect natural resources and to promote material reuse, please separate batteries from other waste and recycle them through the system of free collection locally.

# Treatment for common problems

## 1. Data erase

To erase information and reset factory data, please follow these steps: settings – security copy – reset factory data – accept.

## 2. No voice in the earphone

Make sure the volume is not turned down all the way

Unplug the headset. Plug it in again. Make sure you push connector all the way in.

## 3. Charging issues

Please make sure the setting of the charger is according with the device.

Try to charge the Smartphone with another compatible charger to check where the problem comes from.

#### **4. Download issues**

Make sure it connects with internet properly.  
Adjust time and date.

#### **5. Why some of downloaded videos cannot play normally?**

The device is compatible with most of video file format, but there still have some differences in format, encoded mode, Resolution and code rate etc. it could result in some of the videos cannot play or have play issues. Our suggestion is that use the three party adapter software for transforming in the PC then copy to the device.

#### **6. Device crashed or can't turn on**

Once device crashed during the running time, It can be restarted via tap the RESET button, located at the back or side part of the device.

#### **NOTE:**

We are not responsible for any incompatibilities of use that may be occasionally generated

between applications developed by third parties and this device.

Consequently, no product returns will be accepted for this reason.



# Manual del Usuario

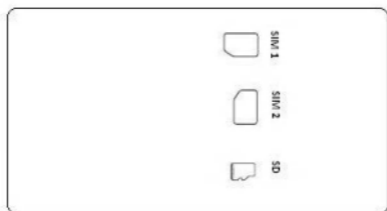
## Diseño

Para encender el dispositivo mantenga presionado el botón ENCENDIDO durante unos segundos.



|   |                      |    |                  |
|---|----------------------|----|------------------|
| 1 | Puerto USB           | 6  | Volumen +/-      |
| 2 | Enchufe de audífonos | 7  | Tecla encendido  |
| 3 | Receptor             | 8  | Micrófono        |
| 4 | Sensor de proximidad | 9  | Cámara posterior |
| 5 | Cámara frontal       | 10 | Altavoz          |

## Como instalar la tarjeta SIM y la batería



Siga los pasos que se muestran en la imagen ubicada en la parte posterior. Tenga en cuenta que el dispositivo tiene 2 ranuras para tarjetas SIM.

Asegúrese de que la tapa posterior esté bien colocada y cerrada después de insertar la(s) tarjeta(s) SIM.

### ¿Qué hacer si el dispositivo se bloquea?

1. Pulse el botón de RESET
2. Presione el botón de ENCENDIDO durante un par de segundos.
3. Retire la batería

### Cargar la batería

Antes de usar el dispositivo por primera vez o si la batería no se ha usado por un tiempo prolongado, debe cargar la batería.

Utilice solo cargadores, baterías y cables aprobados. El uso de cargadores o baterías no aprobadas puede dañar la batería o el dispositivo.

Conecte la parte del extremo pequeño del cargador a la ranura multifunción del dispositivo y la parte del extremo más grande del cargador a una fuente de alimentación eléctrica.

Si conecta el cargador de forma incorrecta, puede dañar seriamente el dispositivo. La garantía no cubre daños causados por uso inapropiado.

Una vez completada la carga, desconecte el dispositivo del cargador. Desconecte primero el cargador del dispositivo y luego de la fuente de alimentación. No retire la batería antes de desconectar el cargador. Esto puede dañar el dispositivo.

El cargador no cuenta con un botón de ENCENDIDO/APAGADO, de manera que el usuario debe desconectar el cargador de la fuente de alimentación eléctrica. Mantenga el

cable de carga cerca del dispositivo cuando se está cargando, para evitar tensión en el cable. Para ahorrar energía, desconecte el cargador cuando no esté en uso.

## Información sobre seguridad

Esta sección contiene información sobre la seguridad del dispositivo. Es posible que parte del contenido no se aplique a su dispositivo. Para evitar lesiones o causar daño a otros, o dañar el dispositivo, lea la información sobre seguridad antes de su uso.

**Advertencia** Si no se cumplen estas reglas y advertencias, el usuario podría sufrir lesiones graves o la muerte.

**No utilice cables o conectores de alimentación dañados o enchufes sueltos.** Las conexiones no seguras pueden ocasionar un corto circuito o incendio.

**No utilice el cable de alimentación con las manos mojadas, ni tire el cable para**

**desconectar el cargador.** Al hacerlo podría recibir una descarga eléctrica.

**No doble ni dañe el cable de alimentación.** Hacerlo podría provocar una descarga eléctrica o un incendio.

**No provoque un corto circuito en el cargador o en el dispositivo.** Hacerlo podría provocar una descarga eléctrica o un incendio o la batería podría tener un mal funcionamiento o explotar.

**No utilice el dispositivo en exteriores durante una tormenta eléctrica.** Hacerlo podría causar una descarga eléctrica o mal funcionamiento del dispositivo.

**Utilice baterías, cargadores, accesorios y partes aprobados por el fabricante.**

**No golpee ni deje caer el cargador o el dispositivo.**

**Manipule y deseche el dispositivo y el cargador con la debida precaución.**

**Proteja el dispositivo, la batería y el cargador para evitar daños.**

**No guarde el dispositivo en calefactores, microondas, equipos de cocina calientes o recipientes de alta presión, ni cerca de ellos.**

**No utilice ni almacene el dispositivo en áreas con altas concentraciones de polvo o materiales transportados por el aire.**

**No muerda ni chupe el dispositivo o la batería.**

**No inserte el dispositivo o sus accesorios en los ojos, oídos y boca.**

**No manipule las baterías de litio ion dañadas o las posibles fugas.**

**No utilice el dispositivo en hospitales, aviones o en automóviles, donde pueda interferir con la frecuencia de radio.**

**No exponga el dispositivo a humo o humos densos.**

**Si utiliza un aparato auditivo, comuníquese con el fabricante para obtener información sobre la interferencia de radio.**

**No utilice el dispositivo cerca de otros equipos o dispositivos que emitan frecuencias de radio, como sistemas de sonido o torres de radio.**

**Apague el dispositivo en entornos potencialmente explosivos.**

**Si observa que el dispositivo o la batería emiten olores o sonidos extraños, o ve humo o líquido saliendo del dispositivo o de la batería, deje de usarlo inmediatamente.**

**Debe cumplir con todas las advertencias y normas de seguridad relacionadas con el uso de dispositivos móviles mientras conduce.**

## **Uso y mantenimiento correctos**

**Mantenga el dispositivo seco**

**No almacene el dispositivo en áreas frías o calientes.**

**Se recomienda usar el dispositivo a temperaturas entre 5 ° C y 35 ° C.**

**No exponga el dispositivo directamente a la luz solar durante periodos prolongados (por ejemplo, en el tablero del automóvil).**

**No guarde el dispositivo junto con objetos metálicos, como monedas, llaves y collares.**

**No guarde el dispositivo cerca de campos magnéticos.**

Las tarjetas de banda magnética, incluidas las tarjetas de crédito, las tarjetas telefónicas, y las tarjetas de embarque pueden dañarse por los campos magnéticos.

**Si el dispositivo se calienta, deje de usar el dispositivo o las aplicaciones por un rato.**

**No utilice el dispositivo si la tapa posterior no está instalada.**

**Si su dispositivo cuenta con linterna o flash para la cámara, no lo use cerca de los ojos de las personas o mascotas.**

**Tenga cuidado cuando esté expuesto a luces intermitentes.**

**Reduzca el riesgo de lesiones por movimientos repetitivos.**

**Cuando utilice audífonos proteja su audición y oídos.**



La exposición excesiva a sonidos fuertes puede causar daños auditivos.

La exposición a sonidos fuertes mientras camina puede distraer su atención y causar un accidente.

Siempre baje el volumen antes de enchufar los auriculares a una fuente de audio y utilice la configuración necesaria para escuchar su conversación o música al mínimo volumen.

No lleve el dispositivo en el bolsillo trasero o alrededor de la cintura.

No pinte el dispositivo ni le coloque calcomanías.

**No utilice el dispositivo si la pantalla está agrietada o rota.**

**Instale los dispositivos móviles y equipos con precaución.**

**Evite que el producto caiga o este sujeto a un fuerte impacto.**

**Asegure la máxima duración de la batería y el cargador.**

Evite cargar el dispositivo durante más de una semana, ya que la sobrecarga puede acortar la vida útil de la batería.

Con el tiempo, si el dispositivo no se utiliza, se descargará y debe recargarse para utilizarlo.

Desconecte el cargador de la fuente de alimentación eléctrica cuando no se utilice.

**Proteja su información personal y evite la divulgación o el uso indebido de información confidencial.**

**No distribuya material protegido por derechos de autor o propiedad intelectual.**

## **Malware y virus**

Siga los siguientes consejos para proteger su dispositivo contra malware y virus. De lo contrario, podría causar daños o pérdida de

datos, que podrían no estar cubiertos por la garantía.

- No descargue aplicaciones de Fuentes desconocidas.
- No ingrese a sitios web poco confiables.
- Elimine mensajes de texto SMS o correos electrónicos de remitentes desconocidos.
- Configure una contraseña y cámbiela a menudo.
- Inhabilite las funciones inalámbricas como Bluetooth® cuando no las utilice.

### **Correcta eliminación de este producto**

La presencia de este símbolo en el producto, en accesorios o en la literatura adjunta, indica que el producto o sus accesorios electrónicos (ej. Cargador, auricular, cable USB) no deben desecharse junto con los residuos domésticos.

Para prevenir posibles daños al medioambiente o a la salud humana debido a la eliminación descontrolada de residuos, sepárelos de otro tipo de desechos y

recíclelos; ya que se promueve la reutilización sostenible de recursos materiales.

Los usuarios domésticos deben ponerse en contacto ya sea con el proveedor del producto o con las autoridades locales para averiguar cómo y dónde pueden depositarlos para un reciclaje ambientalmente seguro.

Los usuarios comerciales deben contactar a su proveedor y verificar las condiciones del contrato de compra. Este producto y sus accesorios electrónicos no deben mezclarse con otros desechos comerciales.

### **Correcta eliminación de baterías en este producto**

La presencia de esta marca en la batería, en el manual o en el embalaje indica que, una vez finalizada la vida útil de las baterías, no deben eliminarse junto con otros residuos domésticos.

Los símbolos químicos Hg, Cd o Pb si están presentes, indican que la batería contiene Mercurio, Cadmio o Plomo por encima de los valores de referencia permitidos en la Normativa 2006/66 de la Unión Europea. Si las baterías no se eliminan adecuadamente, estas sustancias pueden causar lesiones o dañar el medio ambiente.

Para proteger los recursos naturales y promover la reutilización de materiales, separe las baterías de otros desperdicios y recíclelas a través del sistema de recolección gratuita en su localidad.

# Tratamiento de problemas comunes

## 1. Borrado de datos

Para borrar información y restablecer los datos de fábrica, siga los siguientes pasos: configuración – copia de seguridad – restablecer datos de fábrica– aceptar.

## 2. No se oye la voz en el auricular

Verifique que el volumen no esté completamente bajo.

Desenchufe los auriculares. Vuelva a enchufarlos y asegúrese de empujar el conector hasta el fondo.

## 3. Problemas de carga

Asegúrese de que la configuración del cargador coincida con el dispositivo.

Intente cargar el dispositivo con otro cargador compatible para verificar dónde puede estar la falla.

#### **4. Problema de descarga**

Asegúrese de que conecta correctamente a Internet. Ajuste la fecha y hora.

#### **5. ¿Por qué algunos de los videos descargados no se pueden reproducir normalmente?**

El dispositivo es compatible con la mayoría de formatos de archivo de vídeo, pero aún existen diferencias con algunos formatos, modo codificado, tasa de resolución y código, etc., lo que podría causar que algunos de los videos tengan problemas para reproducirse. Nuestra sugerencia es que se utilice un software adaptador de terceros, para transformarlo en la PC y luego copiarlo al dispositivo.

#### **6. El dispositivo se bloqueó o no enciende**

Una vez que el dispositivo se cuelga durante su funcionamiento, se puede reiniciar presionando el botón RESET, ubicado en la parte posterior o parte lateral del dispositivo.

**NOTA:**

La empresa no es responsable de ninguna incompatibilidad de uso que pueda generarse ocasionalmente entre aplicaciones desarrolladas por terceros y este dispositivo.

En consecuencia, no se aceptarán devoluciones de productos por este motivo.



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DEVICES

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Manufactured in China to Sky Devices Specifications

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## FCC Statement

1. 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.

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

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### NOTE:

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 or more 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.

## SAR Information Statement

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. \* Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is **0.395W/Kg** and when worn on the body, as described in this user guide, is **0.561W/Kg**(Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). The maximum scaled SAR in hotspot mode is **0.561W/Kg**. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RFexposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on

FCC ID: **2ABOSSKYELITED55** Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. \* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

### Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters,

and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

#### GSM:

|                            |  |
|----------------------------|--|
| Operation Frequency range: | GSM 850: 824.20MHz-848.80MHz<br>PCS1900: 1850.20MHz-1909.80MHz   |
| Modulation type:           | 2G <input checked="" type="checkbox"/> Voice(GMSK) <input checked="" type="checkbox"/> GPRS(GMSK) <input type="checkbox"/> EGPRS(GMSK, 8PSK) |
| Antenna type:              | Internal Antenna   |
| Antenna gain:              | GSM 850: -2.1 dBi(declare by Applicant)<br>PCS 1900: -1.7 dBi(declare by Applicant)  |

#### WCDMA:

|                            |  |
|----------------------------|--|
| Operation Frequency range: | WCDMA Band V: 826.4MHz-846.6MHz<br>WCDMA Band II: 1852.4 MHz-1907.6 MHz  |
| Modulation type:           | 3G <input checked="" type="checkbox"/> RMC(QPSK) <input checked="" type="checkbox"/> HSUPA(QPSK) <input checked="" type="checkbox"/> HSDPA(QPSK,16QAM) |
| Antenna type:              | Internal Antenna   |
| Antenna gain:              | WCDMA Band V: -2.1dBi(declare by Applicant)<br>WCDMA Band II: -1.8 dBi(declare by Applicant)   |

#### LTE:

|                            |   |
|----------------------------|---|
| Operation Frequency range: | LTE Band 2: TX: 1850MHz-1910MHz RX: 1930MHz-1990MHz<br>LTE Band 4: TX: 1710MHz-1755MHz RX: 2110MHz-2155MHz<br>LTE Band 5: TX: 824MHz-849MHz RX: 869MHz-894MHz<br>LTE Band 12: TX: 699MHz-716MHz RX: 729MHz-746MHz<br>LTE Band 17: TX: 704MHz-716MHz RX: 734MHz-746MHz<br>LTE Band 66: TX: 1710MHz-1780MHz RX: 2110MHz-2200MHz |
| Modulation type:           | <input checked="" type="checkbox"/> QPSK <input checked="" type="checkbox"/> 16QAM <input checked="" type="checkbox"/> 64QAM  |
| Antenna type:              | Internal Antenna  |
| Antenna gain:              | LTE Band 2: -1.66 dBi(declare by Applicant)<br>LTE Band 4: -1.72 dBi(declare by Applicant)<br>LTE Band 5: -1.9 dBi(declare by Applicant)<br>LTE Band 12: -2.6 dBi(declare by Applicant)   |

|  |  |
|--|--|
|  | LTE Band 17: -2.7 dBi(declare by Applicant)  |
|  | LTE Band 66: -1.71 dBi(declare by Applicant) |

**BT:**

|                        |                             |
|------------------------|-----------------------------|
| Operation Frequency:   | 2402MHz~2480MHz             |
| Transfer rate:         | 1/2/3 Mbits/s               |
| Number of channel:     | 79                          |
| Modulation type:       | GFSK, $\pi/4$ -DQPSK, 8DPSK |
| Modulation technology: | FHSS                        |
| Antenna Type:          | Internal Antenna            |
| Antenna gain:          | 1.67dBi                     |

**BLE:**

|                        |                  |
|------------------------|------------------|
| Operation Frequency:   | 2402-2480 MHz    |
| Channel numbers:       | 40               |
| Channel separation:    | 2 MHz            |
| Modulation technology: | GFSK             |
| Data speed :           | 1Mbps            |
| Antenna Type:          | Internal Antenna |
| Antenna gain:          | 1.67 dBi         |

**2.4G WiFi:**

|  |  |
|--|--|
| Operation Frequency:                             | 2412MHz~2462MHz: 802.11b/802.11g/802.11n(HT20)               |
|  | 2422MHz~2452MHz 802.11n(HT40)                                |
| Channel numbers:                                 | 11: 802.11b/802.11g/802.11(HT20)                             |
|  | 7 802.11n(HT40)  |
| Channel separation:                              | 5MHz   |
| Modulation technology:<br>(IEEE 802.11b)         | Direct Sequence Spread Spectrum (DSSS)                       |
| Modulation technology:<br>(IEEE 802.11g/802.11n) | Orthogonal Frequency Division Multiplexing(OFDM)             |
| Data speed (IEEE 802.11b):                       | 1Mbps, 2Mbps, 5.5Mbps, 11Mbps                                |
| Data speed (IEEE 802.11g):                       | 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps |
| Data speed (IEEE 802.11n):                       | Up to 150Mbps  |
| Antenna Type:                                    | Internal Antenna   |
| Antenna gain:                                    | 1.67dBi  |