

**Model Description**

|  |   |
|--|---|
| <b>FCC ID</b> : APYHRO00080                                  | <b>Model Name</b> : SH9020C                                     |
| <b>Destination</b> : China Market only                       | <b>Brand Name</b> : SHARP                                       |
| <b>Emission Type</b> : GSM(PCS) ----- GXW<br>EGPRS ----- G7W | <b>Type of Equipment</b> :<br>Cellular Phone / Bluetooth enable |

## RF-section

| Items          |                                |  |
|----------------|--------------------------------|--|
| Cellular Phone | <b>Technical Specification</b> | <b>3GPP R99</b>  |
|                | Frequency Band                 | GSM<br>900MHz : Tx 880.2 to 914.8MHz Rx 925.2 to 959.8MHz<br>1800MHz : Tx 1710.2 to 1784.8MHz Rx 1805.2 to 1879.8MHz<br>1900MHz : Tx 1850.2 to 1909.8MHz Rx 1930.2 to 1989.8MHz<br>NOTE: GSM900/1800MHz Band do not operate in USA |
|                | Tx Power                       | GSM<br>900MHz 33dBm±2dB(GSM/GPRS) / 33dBm±2dB(EGPRS)<br>1800MHz 30dBm±2dB(GSM/GPRS) / 30dBm±2dB(EGPRS)<br>1900MHz 30dBm±2dB(GSM/GPRS) / 30dBm±2dB(EGPRS)   |
|                | Transmission Technology        | GSM : FDMA/TDMA  |
|                | Data Transmission              | GSM : GMSK / 8PSK<br>GSM GPRS Class 10 (Total 5slots, TX: max 2 / RX: max 4)<br>GSM EGPRS Class 10 (Total 5slots, TX: max 2 / RX: max 4)   |
|                | Voice Codec                    | GSM : EFR/ FR  |
|                | Antenna                        | Integrated Antenna: L Type Antenna<br>See attached construction drawing  |
| Bluetooth      | <b>Technical Specification</b> | Bluetooth Version 2.0 (without EDR)  |
|                | Frequency Band                 | TX 2402MHz to 2480MHz<br>RX 2402MHz to 2480MHz   |
|                | Tx Power                       | Class2, Nominal 0dBm (Max +4dBm / min -6dBm)   |
|                | Type of Modulation             | GFSK   |
|                | Transmission Technology        | FHSS   |
|                | Antenna                        | Integrated Antenna : Reversed Mono-pole L-Type / Gain= 0 dBi<br>See attached construction drawing  |

## Class B Personal computer PERIPHERAL DEVICE

| Items |                            |                       |
|-------|----------------------------|-----------------------|
| USB   | Clock Frequency            | 26MHz, 208MHz         |
|       | USB Data Cable / Connector | Shielded / Unshielded |

## Feature

|                    |                    |  |   |  |
|--------------------|--------------------|--|---|--|
| Cell Phone Feature | SIM                |  | Plug-in 3V SIM card slot  |  |
|                    | Display            |  |   |  |
|                    |                    | Main   | 3.3inch, 16,777,216 colors TFT(ASV), 854x480(FWVGA) with Backlight  |  |
|                    |                    | Sub  | 0.8inch, (Organic EL), 96x16 dots   |  |
|                    | Camera             |  |   |  |
|                    |                    | Main   | C-MOS 5M pixel  |  |
|                    |                    | Sub  | None  |  |
|                    | Battery/ Talk time |  |   |  |
|                    |                    | Capacity   | 760mAh  |  |
|                    |                    | Battery type                                     | Rechargeable Lithium-Ion Battery  |  |
|                    |                    | standby time                                     | TBD   |  |
|                    |                    | talk time  | TBD   |  |
|                    | Dimensions         |  |   |  |
|                    | Target size        | 50.5(W) x 113.0(D) x 19.85(H)mm (Close position) |   |  |
|                    | Target weight      | 135g   |   |  |
| Key Layout         |                    |  | Left Soft Key ,Right Soft Key ,Navigation keys (4Keys) ,Center key ,Shortcut Key ,Multimedia Key ,Send/End keys ,function keys (3keys) ,0-9 unmeric key ,* key ,# key ,Clear key ,and 3 side keys |  |
|                    |                    |  |   |  |
|                    |                    |  |   |  |
|                    |                    |  |   |  |

## Interface

|              |                            |  |                              |
|--------------|----------------------------|--|------------------------------|
| External I/F | Headset connector          |  | For Stereo Headset (10 pins) |
|              | MCPC connector             |  | For USB Cable or AC Charger  |
|              | SIM card terminal          |  | 1 slot                       |
|              | SD Card connector          |  | For micro SD card (1 slot)   |
|              | Integrated charger circuit |  |                              |

## Accessory

|           |                           |  |   |
|-----------|---------------------------|--|---|
| Accessory | AC Charger                |  | Inbox Accessory,<br>Input AC 100 to 240V Output DC 5.0V/680mA |
|           | Battery                   |  | Inbox Accessory,<br>Lithium-Ion, DC3.7V 760mAh                |
|           | Stereo Handsfree(Headset) |  | XN-1ER90 (Inbox Accessory)                                    |
|           | USB Data Cable            |  | Inbox Accessory   |
|           |                           |  |   |