

## Model Description

Model Name : 902SH

Type of Emission : GXW

Brand Name : Vodafone by Sharp

Type of Equipment : WCDMA&GSM(900/1800/1900) cellular Phone

## Specification

| Items              |                         |                                                                                                                                                                                                                                                                                                 |
|--------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAIN SPECIFICATION | Frequency Band          | WCDMA : Tx 1922.6 to 1977.4MHz<br>Rx 2112.6 to 2167.4MHz<br>900MHz : Tx 880.2 to 914.8MHz<br>Rx 925.2 to 959.8MHz<br>1800MHz : Tx 1710.2 to 1784.8MHz<br>Rx 1805.2 to 1879.8MHz<br>1900MHz : Tx 1850.2 to 1909.8MHz<br>Rx 1930.2 to 1989.8MHz<br>(WCDMA&900/1800MHz Band do not operate in USA) |
|                    | Tx Power                | WCDMA 23dBm $\pm$ 1dB<br>900MHz(*) 33dBm $\pm$ 2dB<br>1800MHz(*) 30dBm $\pm$ 2dB<br>1900MHz(*) 30dBm $\pm$ 2dB                                                                                                                                                                                  |
|                    | Type of Modulation      | WCDMA : GIA, GIB, GIC, GID, GIE, GIF, GIX, GIW<br>GSM : GXW                                                                                                                                                                                                                                     |
|                    | Transmission Technology | WCDMA : DS-CDMA(FDD)<br>GSM : FDMA/TDMA(8slot)                                                                                                                                                                                                                                                  |
|                    | Voice Codec             | WCDMA : AMR<br>GSM : EFR/FR/HR                                                                                                                                                                                                                                                                  |
|                    | GPRS                    | GSM : Class8 (TX: 1slot/RX:4slot Total:5slot)                                                                                                                                                                                                                                                   |
|                    | Antenna                 | Integrated Antenna                                                                                                                                                                                                                                                                              |
|                    | SIM                     | Plug-in 1.8/3.0V SIM card slot                                                                                                                                                                                                                                                                  |
|                    | Display                 |                                                                                                                                                                                                                                                                                                 |
|                    | Main LCD                | 262,144color COG-ASV,240(W) $\times$ 320(H) with Backlight                                                                                                                                                                                                                                      |
|                    |                         | Sub LCD                                                                                                                                                                                                                                                                                         |
|                    |                         | Monochrome FSTN,12(W) $\times$ 72(H) with Backlight                                                                                                                                                                                                                                             |
|                    | Status LED              | Using 7-colour LED module<br>(Green, Red, Blue, Yellow, Purple, Light Blue, White)                                                                                                                                                                                                              |
|                    | Camera                  |                                                                                                                                                                                                                                                                                                 |
|                    | Resoluion               | CCD 2Mpixel (Auto Focus)                                                                                                                                                                                                                                                                        |
|                    |                         | CMOS 110,000 pixel                                                                                                                                                                                                                                                                              |
|                    | WAP Browser             | OPEN WEB                                                                                                                                                                                                                                                                                        |
|                    | Battery/Talktime        |                                                                                                                                                                                                                                                                                                 |
|                    | Capacity                | 870mAh                                                                                                                                                                                                                                                                                          |
|                    |                         | Battery Type                                                                                                                                                                                                                                                                                    |
|                    |                         | Rechargeable Lithium Ion Battery                                                                                                                                                                                                                                                                |
|                    |                         | Standby time                                                                                                                                                                                                                                                                                    |
|                    |                         | T.B.D                                                                                                                                                                                                                                                                                           |
|                    | Talk time               | T.B.D                                                                                                                                                                                                                                                                                           |
|                    | Dimensions              |                                                                                                                                                                                                                                                                                                 |

|                     |                                            |               |                                                                                                                |
|---------------------|--------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------|
|                     |                                            | Target size   | 51(W)×189(H)×27(T)                                                                                             |
|                     |                                            | Target weight | 149g                                                                                                           |
|                     | Key Layout                                 |               | Soft key1, Soft key2, Navigation key, Center key, Custom key, 0-9numeric key, Send/End key, *,# and 5 side key |
| External connection | Video output                               |               | NTSC, PAL                                                                                                      |
|                     | Bluetooth                                  |               | Ver 1.1                                                                                                        |
|                     | IrDA                                       |               | Ver 1.2                                                                                                        |
|                     | Ir-Remote-control                          |               |                                                                                                                |
| SD                  | SD                                         |               |                                                                                                                |
|                     |                                            | AUDIO         | Ver 1.0                                                                                                        |
| External I/F        | Head set & Video out jack                  |               | Stereo Headset, Video cable                                                                                    |
|                     | MCPC connector                             |               | USB, PC-Link cable                                                                                             |
|                     | SIM card terminal                          |               |                                                                                                                |
|                     | SD card terminal                           |               |                                                                                                                |
|                     | Integrated charger circuit                 |               |                                                                                                                |
| Accessory           | Stereo Headset & Handsfree Microphone Unit |               |                                                                                                                |
|                     | AC Charger                                 |               | Input AC 100 to 240V , Output DC 5.2V                                                                          |
|                     | Video Cable                                |               |                                                                                                                |
|                     | Battery                                    |               | DC3.7V/ 870mAh                                                                                                 |
|                     |                                            |               |                                                                                                                |