

**Model Description**

|   |  |
|---|--|
| <b>FCC ID</b> : APYHRO00075                               | <b>Model Name</b> : SH-01A   |
| <b>Destination</b> : Japan Market only                    | <b>Brand Name</b> : NTT docomo   |
| <b>Emission Type</b> : GSM ----- GXW<br>: WCDMA ----- F9W | <b>Type of Equipment</b> :<br>WCDMA & 900/1800/1900MHz GSM Tri-band<br>Mobile Phone / Bluetooth Enable / FeliCa Enable |

## RF-section

| Items                   |                         |  |
|-------------------------|-------------------------|--|
| Cellular Phone          | Technical Specification | <b>3GPP R99</b>  |
|                         | Frequency Band          | WCDMA<br>850MHz(band V) : Tx 826.4 to 846.6MHz Rx 871.4 to 891.6MHz<br>800MHz(band VI) : Tx 832.4 to 837.6MHz Rx 877.4 to 882.6MHz<br>1700MHz(band IX) : Tx 1752.4 to 1782.4MHz Rx 1847.4 to 1877.4MHz<br>2000MHz(band I) : Tx 1922.6 to 1977.4MHz Rx 2112.6 to 2167.4MHz<br>NOTE: Band I, Band VI and Band IX do not operate in USA<br>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                | WCDMA : 24dBm+1dB/-3dB<br>GSM<br>900MHz : 33dBm±2dB(GSM/GPRS)<br>1800MHz : 30dBm±2dB(GSM/GPRS)<br>1900MHz : 30dBm±2dB(GSM/GPRS)  |
|                         | Transmission Technology | WCDMA : DS/CDMA, FDD, T/HCDMA<br>GSM : TDMA/FDD  |
|                         | Data Transmission       | GSM : GMSK<br>GSM GPRS : Class 8 (Total 5slots, TX: max 1 / RX: max 4)   |
|                         | Voice Codec             | WCDMA : AMR<br>GSM : EFR/ FR   |
|                         | Antenna                 | Integrated Antenna: L Type Antenna ----- See attached file "antenna.pdf"   |
|                         | Bluetooth               | Technical Specification  |
| Frequency Band          |                         | TX 2402MHz to 2480MHz<br>RX 2402MHz to 2480MHz   |
| Tx Power                |                         | Class2, Nominal 0dBm (Max +4dBm / min -6dBm)   |
| Type of Modulation      |                         | GFSK, /4DQPSK, 8DPSK   |
| Transmission Technology |                         | FHSS   |
| Antenna                 |                         | Integrated Antenna ---- See attached file "antenna.pdf"<br>Reversed Mono-pole L-Type / Gain= 2.14dBi   |
| RF ID (FeliCa)          | Technical Specification | NFCIP-1(ISO/IEC18092)  |
|                         | Frequency Band          | 13.56 -13.56MHz  |
|                         | Type of Modulation      | ASK(10%)   |
|                         | Antenna                 | Integrated Loop Antenna  |

## Class B Personal computer PERIPHERAL DEVICE

| Items |                            |                       |
|-------|----------------------------|-----------------------|
| USB   | Clock Frequency            | 48MHz, 480MHz         |
|       | USB Data Cable / Connector | Shielded / Unshielded |

## Feature

|                           |                    |               |   |  |
|---------------------------|--------------------|---------------|---|--|
| Cell Phone Feature        | SIM                |               | Plug-in 3V SIM card slot  |  |
|                           | Display            |               |   |  |
|                           |                    | Main          | 3.27inch, 16,777,216 color TFT(ASV), 854x480(WVGA) with Backlight |  |
|                           | Camera             |               |   |  |
|                           |                    | Main          | CCD 8M pixel  |  |
|                           |                    | Sub           | C-MOS 110K pixel  |  |
|                           | Battery/ Talk time |               |   |  |
|                           |                    | Capacity      | 800mAh  |  |
|                           |                    | Battery type  | Rechargeable Lithium-Ion Battery                                  |  |
|                           |                    | standby time  | 260h  |  |
|                           |                    | talk time     | 180min  |  |
|                           | Dimensions         |               |   |  |
|                           |                    | Target size   | 50(W) x 111.4(D) x 19.7(H)mm (Close position)                     |  |
|                           |                    | Target weight | 145g  |  |
|                           | Key Layout         |               |   | Optical sensor ,I mode key ,Camera key ,Mail key ,Phone book key , Multi Selector key ,Decision key ,Off hook key ,Clear key , On hook key ,0-9unmeric key , * key ,# key ,Multi key ,TV key ,Eco key , and 1 side key |
| Battery                   |                    |               | Lithium-Ion,DC3.7V 800mAh   |  |
| Stereo Handsfree(Headset) |                    |               | Optional Accessories  |  |
| USB Data Cable            |                    |               | Optional Accessories  |  |
|                           |                    |               |   |  |

## Interface

|              |                            |  |   |
|--------------|----------------------------|--|---|
| External I/F | MCPC connector             |  | For USB Cable or PC Link cable or AC Charger or Earphone plug Adaptor |
|              | SIM card terminal          |  | 1 slot  |
|              | SD Card connector          |  | For micro SD card (1 slot)  |
|              | Integrated charger circuit |  | The terminals of charging are for using a cradle.                     |

## Accessory

|           |  |  |   |
|-----------|--|--|---|
| Accessory | AC Adapter   |  | Input AC 110 to 240V Output DC 5.4V/700mA |
|           | Battery  |  | Lithium-Ion,DC3.7V 800mAh                 |
|           | Stereo Handsfree (Headset)                           |  | Optional Accessories                      |
|           | USB Data Cable                                       |  | Optional Accessories                      |
|           | Earphone plug Adaptor of External connector terminal |  | Optional Accessories                      |