

Model Description

FCC ID : APYHRO00071	Model Name : 824SH
Destination : Japan Market only	Brand Name : SoftBank
Emission Type : GSM GXW	Type of Equipment : WCDMA & Tri-band GSM Dual mode Mobile Phone / Bluetooth enable

RF-section

Items		
Cellular Phone	Technical Specification	3GPP R99
	Frequency Band	WCDMA 2000MHz(band I) : Tx 1922.6 to 1977.4MHz Rx 2112.6 to 2167.4MHz NOTE: Band I does not operate in USA GSM 900MHz : Tx 880.2 to 914.8MHz Rx 925.2 to 959.8MHz 1800MHz : Tx 1710.2 to 1784.8MHz Rx 1805.2 to 1879.8MHz 1900MHz : Tx 1850.2 to 1909.8MHz Rx 1930.2 to 1989.8MHz NOTE: GSM900/1800MHz Band do not operate in USA
	Tx Power	WCDMA : 24dBm+1dB/-3dB GSM 900MHz 33dBm±2dB(GSM/GPRS) 1800MHz 30dBm±2dB(GSM/GPRS) 1900MHz 30dBm±2dB(GSM/GPRS)
	Transmission Technology	WCDMA : DS/CDMA, FDD GSM : FDMA/TDMA
	Data Transmission	GSM : GMSK GSM GPRS Class 10 (Total 5slots, TX: max 2 / RX: max 4)
	Voice Codec	WCDMA : AMR GSM : EFR/ FR
	Antenna	Integrated Antenna: L Type Antenna ----- See attached construction drawing.
	Bluetooth	Technical Specification
Frequency Band		TX 2402MHz to 2480MHz RX 2402MHz to 2480MHz
Tx Power		Class2, Nominal 0dBm (Max +4dBm / min -6dBm)
Type of Modulation		GFSK
Transmission Technology		FHSS
Antenna		Integrated Antenna ---- See attached construction drawing Reversed Mono-pole L-Type / Gain= 0 dBi

Feature

Cell Phone Feature	SIM		Plug-in 3V SIM card slot	
	Display			
		Main	2.8inch, 262,144 color TFT(ASV), 240x400(WQVGA) with Backlight	
		Sub	0.5inch,(Organic EL), 60x32dot	
	Camera			
		Main	C-MOS 3.2M pixel	
		Sub	None	
	Battery/ Talk time			
		Capacity	770mAh	
		Battery type	Rechargeable Lithium-Ion Battery	
		standby time	TBD	
		talk time	TBD	
	Dimensions			
	Target size	50(W) x 105.5(D) x 14.9(H)mm (Close position)		
	Target weight	115g		
Key Layout			Soft Key1 ,Soft Key2 ,Multi Selector key ,Decision key ,Shortcut Key ,TV key ,Off hook key ,Clear key ,On hook key ,0-9unmeric key , * key ,# key ,Multi key ,and 3 side key	

Interface

External I/F	Headset connector		For Stereo Headset (10 pins)
	MCPC connector		For USB Cable or PC Link cable or AC Charger
	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 Charger		Optional Accessories, Input AC 100 to 240V Output DC 5.4V/700mA
	Battery		Inbox Accessories, Lithium-Ion, DC3.7V 770mAh
	Stereo Handsfree(Headset)		Optional Accessories
	USB Data Cable		Optional Accessories