

Model Description

FCC ID	: APYHRO00091	Model Name	: 831SH
Destination	: Japan Market only	Brand Name	: SoftBank
Emission Type	: GSM(PCS) ----- GXW	Type of Equipment	: Cellular Phone / FeliCa 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 GPRS: GMSK GSM GPRS Class 10 (Total 5slots, TX: max 2 / RX: max 4)
	Voice Codec	WCDMA : AMR GSM : EFR/ FR
	Antenna	Integrated Antenna: Reversed L Type Antenna ----- See attached construction drawing
RF ID (FeliCa)	Technical Specification	NFCIP-1(ISO/IEC18092)
	Frequency Band	13.56 -13.56MHz
	Type of Modulation	ASK(10%)
	Antenna	Integrated Loop Antenna----- 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	2.98inch,16,777,216colorsTFT(ASV), 240×400(WQVGA) with Backlight
		Sub	0.8inch,(Organic EL), 96×39 dots
	Camera		
		Main	CMOS 3.2M pixel AF
		Sub	none
	Battery/ Talk time		
		Battery Capacity	710mAh
		Battery type	Rechargeable Lithium-Ion Battery
		standby time	WCDMA 310h / GSM 280h
		talk time	WCDMA 230min. / GSM 210min.
	Dimensions		
		Target size	48.0(W) x 105.0(D) x 17.3(H)mm (Close position)
		Target weight	110g
	Key Layout		Soft key (2keys), Navigation key (4keys), Center key, Custom key (2keys), functional key(2key), 0-9 numeric keys, Send/End keys, “*” , “#”, “Clear” and 3 side keys
	Bluetooth		None
	FeliCa SRD Device		Faver2.0 (This version has Card mode & R/W mode.)

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 710mAh
	Stereo Handsfree(Headset)		Optional Accessories
	USB Data Cable		Optional Accessories