

Model Description

FCC ID : APYHRO00078	Model Name : 931SH
Destination : Japan Market only	Brand Name : SoftBank
Emission Type : GSM(PCS) ----- GXW	Type of Equipment : Cellular Phone / Bluetooth and 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/HR/AMR
	Antenna	Integrated Antenna: Reversed 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 L-Type / Gain= 0 dBi
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	3.77inch,16,777,216colorsTFT(ASV),480x1024(HarfXGA)with Backlight
		Sub	none
	Camera		
		Main	CMOS 5M pixel
		Sub	none
	Battery/ Talk time		
		Battery Capacity	800mAh
		Battery type	Rechargeable Lithium-Ion Battery
		standby time	WCDMA 350h / GSM 320h
		talk time	WCDMA 250min. / GSM 240min.
	Dimensions		
		Target size	52.45(W) x 115.4(D) x 16.35(H)mm (Close position)
	Target weight	128g	
Key Layout		Soft key (2keys), Navigation key (4keys), Center key (include sensor key), Custom key (2keys), 0-9 numeric keys, Send/End keys, “*”, “#”, “Clear” and 3 side keys	

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 800mAh
	Stereo Handsfree(Headset)	Optional Accessories
	USB Data Cable	Optional Accessories