

Model Description

FCC ID : APYHRO00045
Model Name : 904SH (Development Code: Hazel, Internal Name: JN-J510)
Type of Emission : 246KGXW
Brand Name : Vodafone by Sharp
Type of Equipment : WCDMA & Tri-band (900/1800/1900) GSM Dual mode Mobile Phone / Bluetooth Enable

Specification

Items		
MAIN SPECIFICATION	Frequency Band	WCDMA : TX 1922.6 to 1977.4MHz RX 2112.6 to 2167.4MHz 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 (WCDMA & GSM900/1800MHz Band do not operate in USA) Bluetooth : TX 2402MHz to 2480MHz RX 2402MHz to 2480MHz
	Tx Power (Mobile Phone)	WCDMA 23dBm±1dB 900MHz 33dBm ± 2dB 1800MHz 30dBm±2dB 1900MHz 30dBm±2dB
	Tx Power (Bluetooth)	Class2, Nominal 0dBm (Max +4dBm / min -6dBm)
	Type of Modulation (Mobile Phone)	WCDMA : G1A, G1B, G1C, G1D, G1E, G1F, G1X, G7W GSM : GXW Bluetooth : GFSK
	Transmission Technology	WCDMA : DS/CDMA, FDD GSM : FDMA/TDMA Bluetooth : FHSS
	Voice Codec	WCDMA : AMR GSM : EFR/ FR/ HR
	GPRS	Class B, Class 10 (Total 5slots, TX: max 2 / RX: max 4)
	Antenna (Mobile & Bluetooth)	Integrated Antenna: Reversed Mono-pole L-Type
	SIM	Plug-in 3V SIM card slot
	Display	
	Main LCD	2.41", 262,144color TFT(ASV), 480(W) × 640(H) with Backlight
	Sub LCD	Monochrome FSTN,12(W) × 72(H) with Backlight
	Camera	
	Resolution	(Main) CCD 3.2M pixel (Sub) C-MOS 110,000 pixel
	WAP Browser	ACCESS Net front
	Battery/Talk time	
	Capacity	900mAh
	Battery Type	Rechargeable Lithium-Ion Battery
	Standby time	350h
	Talk time	180min(WCDMA) / 280min(GSM)

	Dimensions		
		Target size	50.0 x 110.3 x 28.1 mm
		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
	Bar code (JAN/QR)		Scan / Decode , Encode (make a image file)
External Connector	Bluetooth		Ver 1.2 (Headset/Handsfree/Dial up/Object push)
	IrDA		Ver 1.2
	FeliCa		For Electronic Money Service (Edy etc)
SD	SD		
		Audio	Ver 1.0
External Interface	Video Connector		For Video Cable or Stereo Headset (10 pins)
	MCPC connector		For USB Cable or PC Link cable or AC Charger
	SIM Card terminal		1slot
	SD card terminal		For miniSD card [1 slot]
	Integrated charger circuit		The terminals of charging are for using a cradle.
Accessories	LCD Remote Controller		Optional Accessories
	STEREO Headphone		Optional Accessories
	USB Cable		Optional Accessories
	Video Cable		Optional Accessories
	AC Charger		Input AC 100 to 240V , Output DC 5.2V / 650mA
	Battery		Lithium-Ion, DC 3.7V / 900mAh