

Android WiFi定頻軟體



Matt Chang

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Android Service Modification

- 因為wifi test tool要有額外的config才能正常運作, 所以需要在init.xxx.rc(跟wpa_supplicant放在一起)中加入以下的config...

=====

```
on property:sys.wifi.on=*  
start xx_wifi_test
```

```
service xx_wifi_test /system/bin/xx_wifi.sh  
    disabled  
    oneshot
```

=====

xx_wifi.sh

```
#!/system/bin/sh

load=`getprop sys.wifi.on`
if [ "$load" == 1 ];then
    echo "loading ssv6051" > /dev/kmsg
    insmod Path_To_WiFi_Ko
    sleep 2;
    busybox ifconfig wlan0 up
else
    echo "unloading ssv6051" > /dev/kmsg
    busybox ifconfig wlan0 down
    sleep 1;
    rmmod WiFi_Interface_Name
fi
```

Install

- adb remount
- adb wait-for-device
- adb install iCommTool.apk
- adb push **xx_wifi.sh** /system/bin/**xx_wifi.sh**
- adb shell chmod 777 /system/bin/**xx_wifi.sh**
- adb shell sync



TX

RX

REF CLK (MHz): 24 MHz

TX OFF

Channel: 1 (2412 MHz)

Mode: 11b

Rate: 1 Mbps

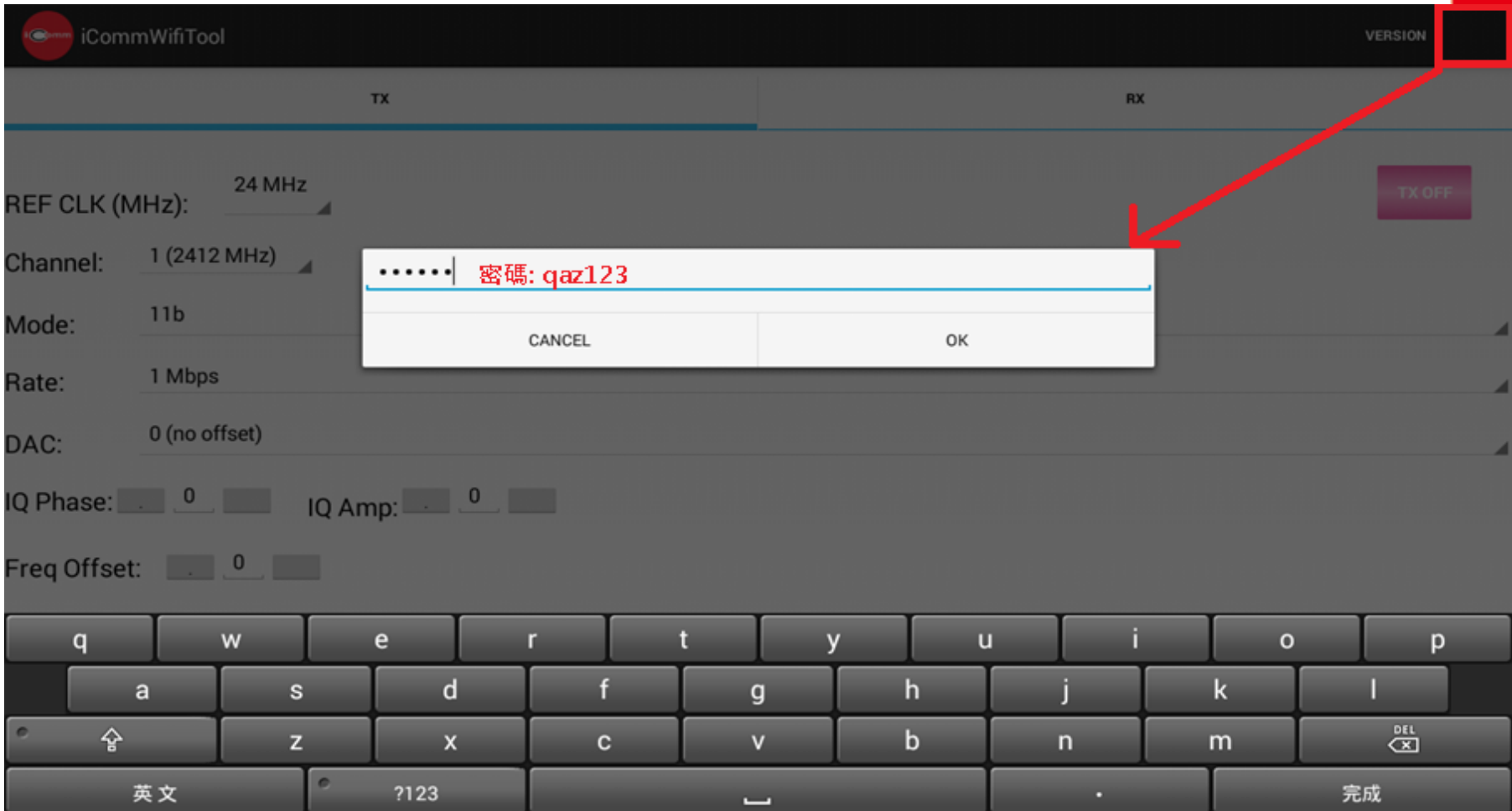
DAC: 0 (no offset)

IQ Phase: . 0 IQ Amp: . 0

Freq Offset: . 0

Enable Register Table


- 右上角VERSION旁邊按一下, pw: qaz123




Reopen app

iCommWifiTool		
	TX	RX
		REGTABLE
read	C0001D00	3e000040
	CE0023ec	00000000
	CE0023e8	00000000
	CE0023d8	002d0027
	CE010000	40002000
	CE010004	00024fc0
	CE010008	004df61b
	CE01000c	151558c5
	CE010014	3d3e84fe
	CE010018	01457d79
	CE01001C	000103a7
	CE010020	000103a6
	CE01002C	00032ca8
	CE010030	20ea0224

Version

 iCommWiFiTool

 Version

VERSION

REGTABLE

TX OFF

TX

REF CLK (MHz): 24 MHz

Channel: 1 (2412 MHz)

Mode: 11b

Rate: 1 Mbps

DAC: 0 (no offset)

IQ Phase: 0 IQ Amplitude: 0

Freq Offset: 0

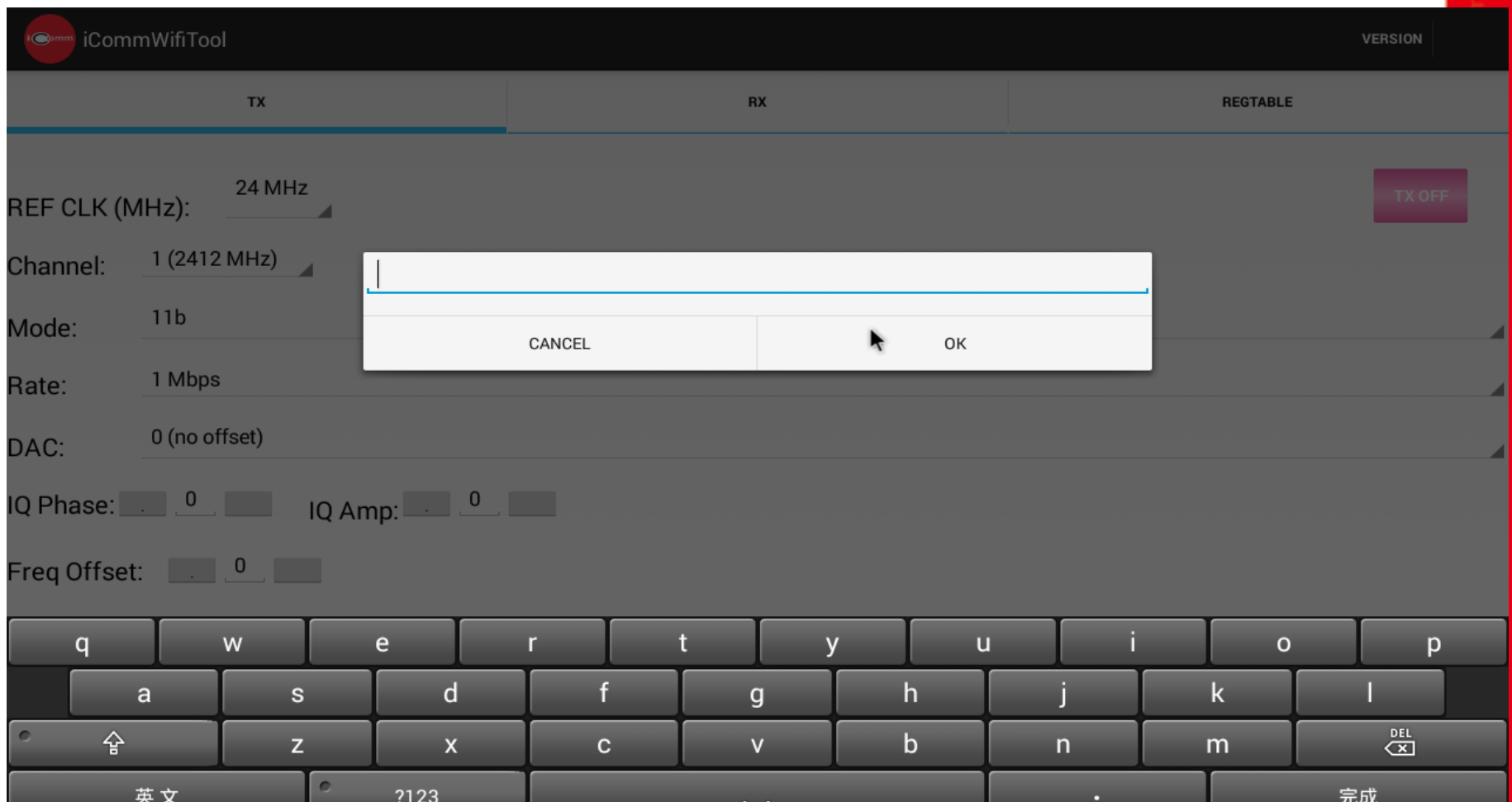
15072801Q
 CHIP TAG: 2014012420010960
 CHIP ID: SSV6200A0-201311
 # current Software mac version: 8392
 SVN ROOT URL http://192.168.15.30/svn/software/project/branch/android/box/aml_s805/ctv/4.4/6051.Q0.1008.420300/host_drivers/Linux/ssv6xxx
 COMPILER HOST icomm-buildserver-T320
 COMPILER DATE 08-19-2015-10:02:59
 COMPILER OS linux
 COMPILER OS ARCH x86_64-linux-gnu-thread-multi
 Firmware image version: 8372

[Compiler Option!!]

Define
 Define ENABLE_TX_Q_FLOW_CONTROL
 Define HAS_CRYPTO_LOCK
 Define SSV6200_ECO
 Define FW_WSID_WATCH_LIST
 Define USE_GENERIC_DECI_TBL
 Define ENABLE_INCREMENTAL_AGGREGATION
 Define ENABLE_AGGREGATE_IN_TIME
 Define USE_THREAD_TX
 Define USE_THREAD_RX
 Define CONFIG_SSV6200_HAS_RX_WORKQUEUE
 Define RATE_CONTROL_REALTIME_UPDATA
 Define CONFIG_SSV_TX_LOWTHRESHOLD
 Define CONFIG_SSV6XXX_DEBUGFS
 Define CONFIG_SSV6200_CLI_ENABLE
 Define CONFIG_SSV_CABRIO_E
 Define CONFIG_SSV_RANDOM_MAC

Disable Register Table

- 輸入空白, 重開app即可



Android Service Modification

以A33為例:

在init.sun8i.rc中,

```
service p2p_suppllicant /system/bin/wpa_suppllicant \  
-iwlan0 -Dnl80211 -c/data/misc/wifi/wpa_suppllicant.conf \  
-e/data/misc/wifi/entropy.bin \  
-O/data/misc/wifi/sockets \  
-g@android:wpa_wlan0 -N \  
-ip2p0 -Dnl80211 -c/data/misc/wifi/p2p_suppllicant.conf  
class main  
socket wpa_wlan0 dgram 660 wifi wifi  
disabled  
oneshot
```

on property:sys.wifi.on=*

start a33_wifi_test

```
service a33_wifi_test /system/bin/a33_wifi.sh  
disabled  
oneshot
```

a33_wifi.sh

```
#!/system/bin/sh
```

```
load=`getprop sys.wifi.on`
```

```
if [ "$load" == 1 ];then
```

```
    echo "loading ssv6051" > /dev/kmsg
```

```
    insmod /system/vendor/modules/ssv6051.ko
```

```
    sleep 2;
```

```
    busybox ifconfig wlan0 up
```

```
else
```

```
    echo "unloading ssv6051" > /dev/kmsg
```

```
    busybox ifconfig wlan0 down
```

```
    sleep 1;
```

```
    rmmod ssv6051
```

```
fi
```

Install – A33

- adb remount
- adb wait-for-device
- adb install iCommTool.apk
- adb push **a33_wifi.sh** /system/bin/**a33_wifi.sh**
- adb shell chmod 777 /system/bin/**a33_wifi.sh**
- adb shell sync