Airplane mode by Ethernet of Wireless LAN automated testing

Version 1.0

Version History

Version	Date	Handled by	Comments
V1.0	24-June-2019	ZL Chen	First version release.

Precondition Setting:

Please make sure the DUT is connected to the internet.

- Install the adb interface driver
  - ✓ Please refer to the "ADB interface driver.pdf" attachment. (\automation\sop\ADB interface driver.pdf)
- Install the Python 3.6.8.
  - ✓ Please refer to the "Python 3.6.8 installation.pdf" attachment. (\automation\sop\Python 3.6.8 installation.pdf)
- Install the third party library.
  - ✓ Double click the "Envir_Install.exe" under the installer folder. (\automation\installer\Envir_Install.exe)

Please follow the implement as below:

Block Diagram:

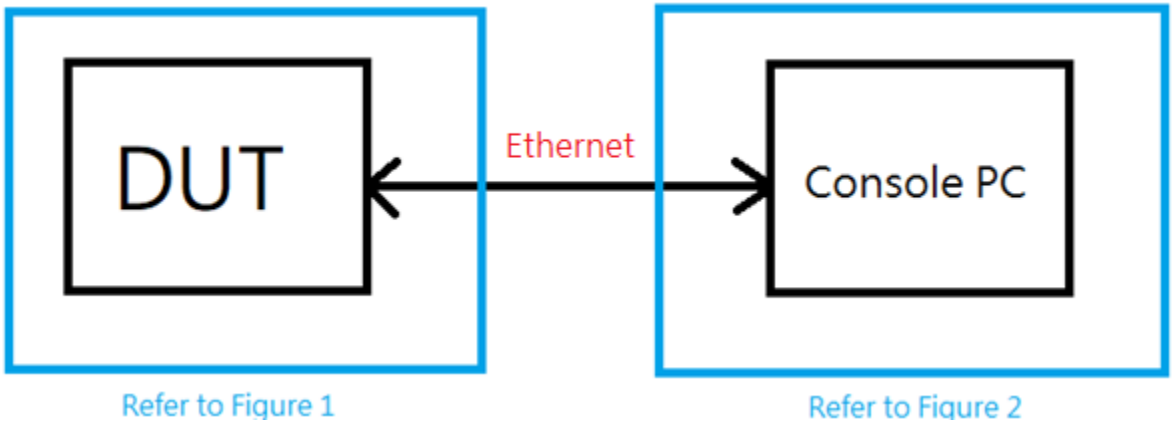


Figure 1

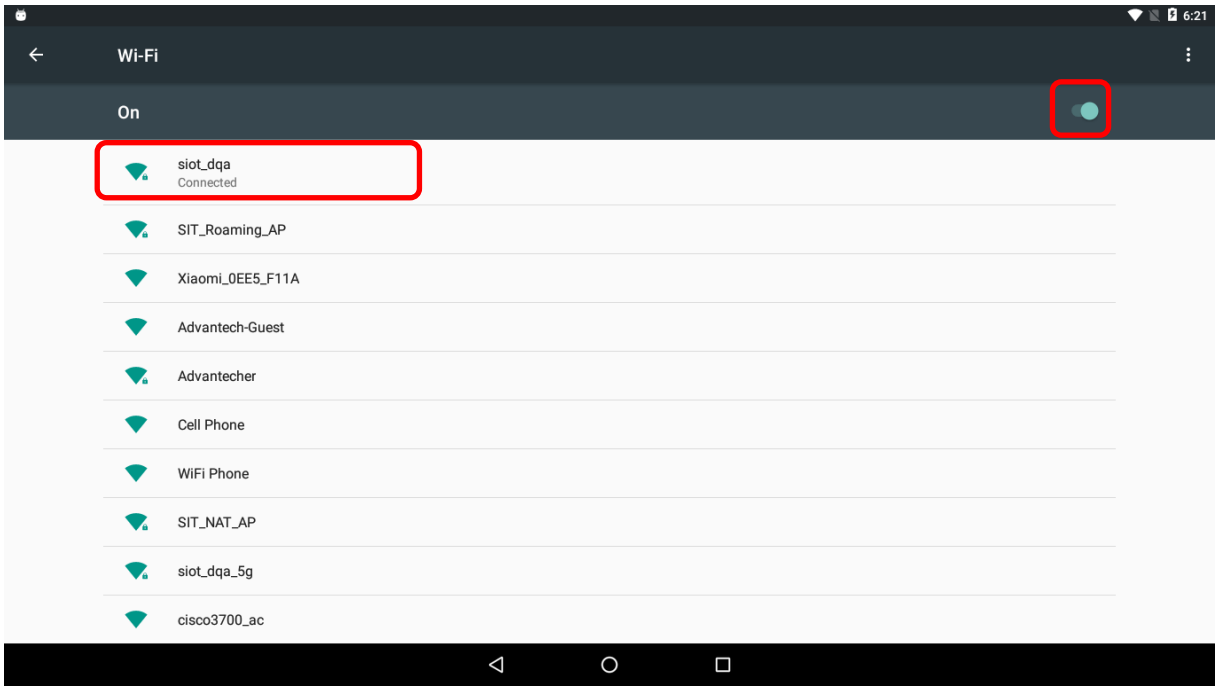
Figure 2

Step 1:

Please make sure the Wi-Fi is connecting to the repeater. (Figure 1)

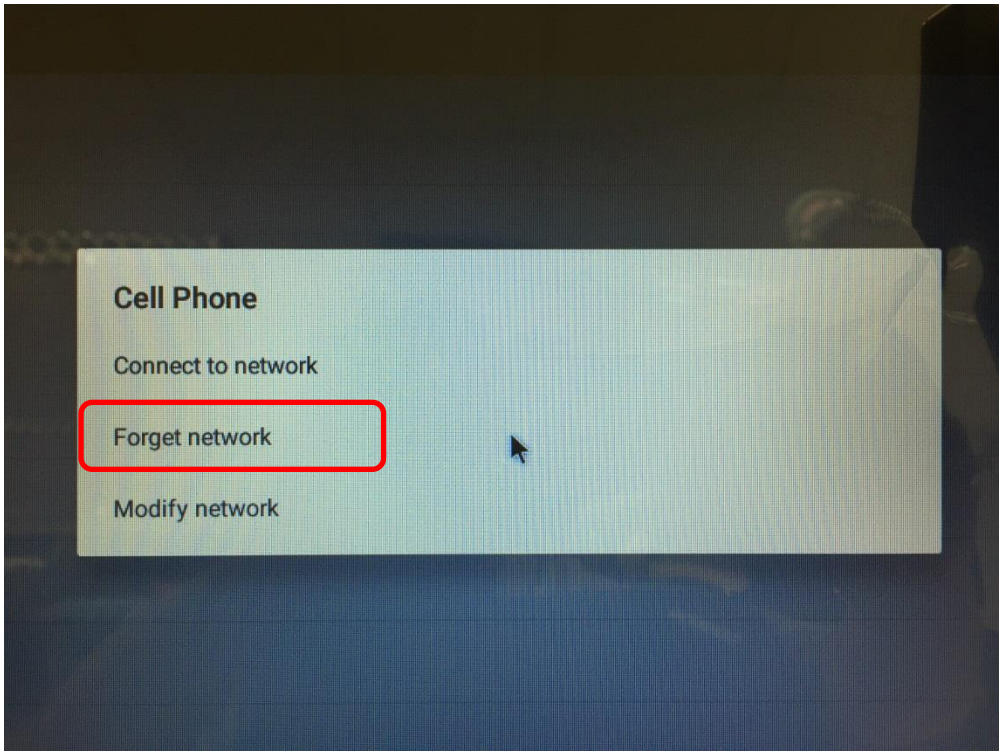
SSID: siot_dqa

Password: ad20151225



Step 2:

Please delete all of the known networks, because you need make sure the network just only attach to the “siot_dqa” repeater. (Figure 1)



Step 3:

Please copy the airplane_wlan folder of the suite to the device’s desktop. (Figure 2)

Make sure the adb.exe should be worked, so please input the window command as below: (Figure 2)

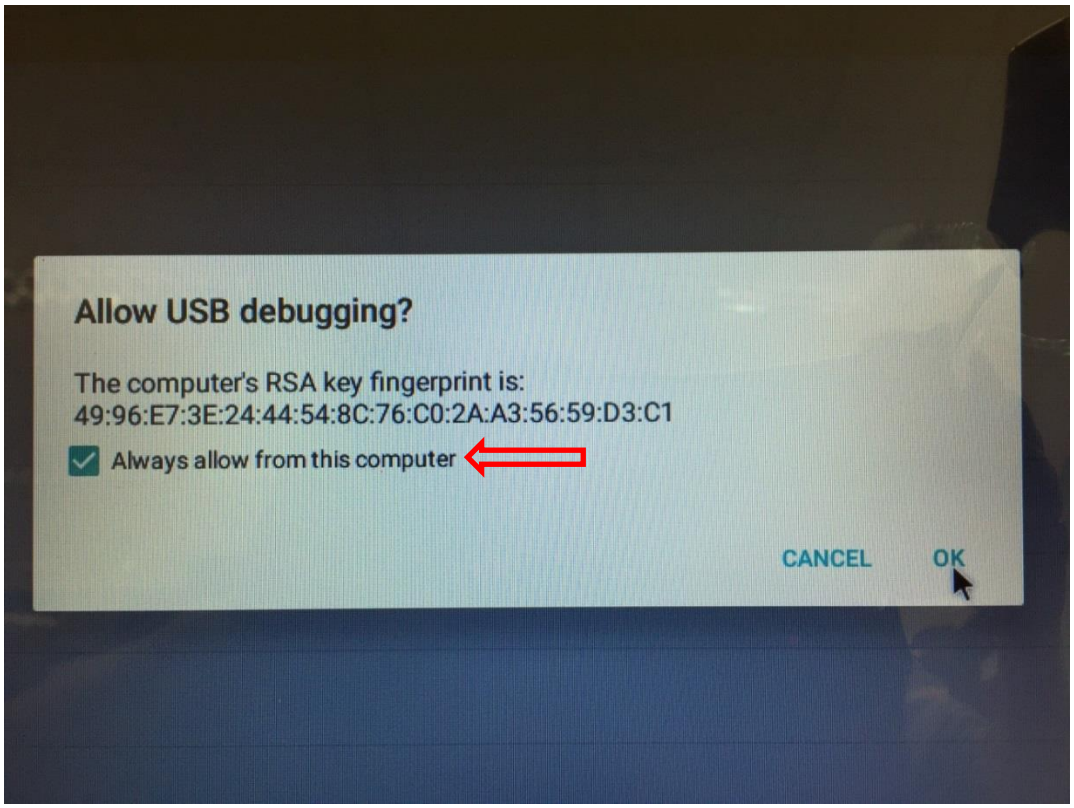
Command: “adb.exe kill-server” and “adb.exe start-server”

```
C:\Users\DQA\Desktop\suite\airplane_wlan>adb.exe kill-server

C:\Users\DQA\Desktop\suite\airplane_wlan>adb.exe start-server
* daemon not running. starting it now on port 5037 *
* daemon started successfully *

C:\Users\DQA\Desktop\suite\airplane_wlan>
```

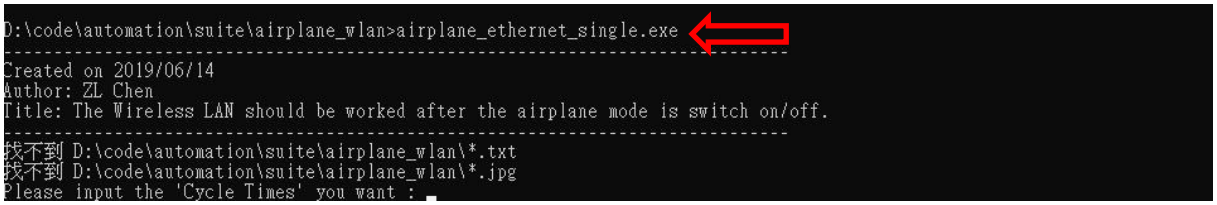
Command: “adb.exe devices”

```
C:\Users\DQA\Desktop\suite\airplane_wlan>adb devices
List of devices attached
ZDSGAAUO7S79Q4A6        device


C:\Users\DQA\Desktop\suite\airplane_wlan>
```

Make sure the “Allow USB debugging” alert is pop up on the DUT window. (Figure 1)
Please check the “Always allow from this computer” box, then tap the “OK” button.



Implement the airplane_ethernet_single.exe under the “\airplane_wlan\” folder. (Figure 2)



Step 4:

Please input the “Cycle Times” you want. (Ex: 1), and then tap the “Enter”. (Figure 2)

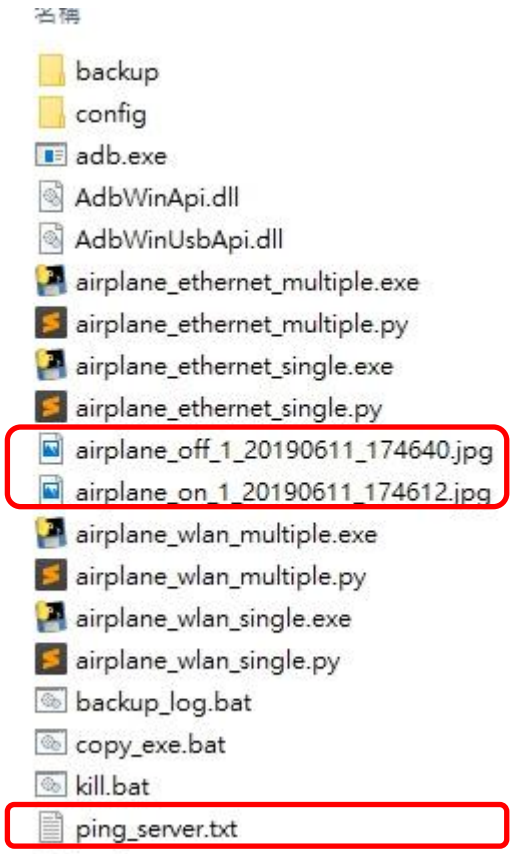
The program is start running.

```
D:\code\automation\suite\airplane_wwan>airplane_ethernet_single.exe
--------------------------------------------------------------------------------
Created on 2019/06/14
Author: ZL Chen
Title: The Wireless WAN should be worked after the airplane mode is switch on/off.
--------------------------------------------------------------------------------
找不到 D:\code\automation\suite\airplane_wwan\*.txt
找不到 D:\code\automation\suite\airplane_wwan\*.jpg
Please input the 'Cycle Times' you want : 1
--------------------------------------------------------------------------------
Cycle Times: 1
```

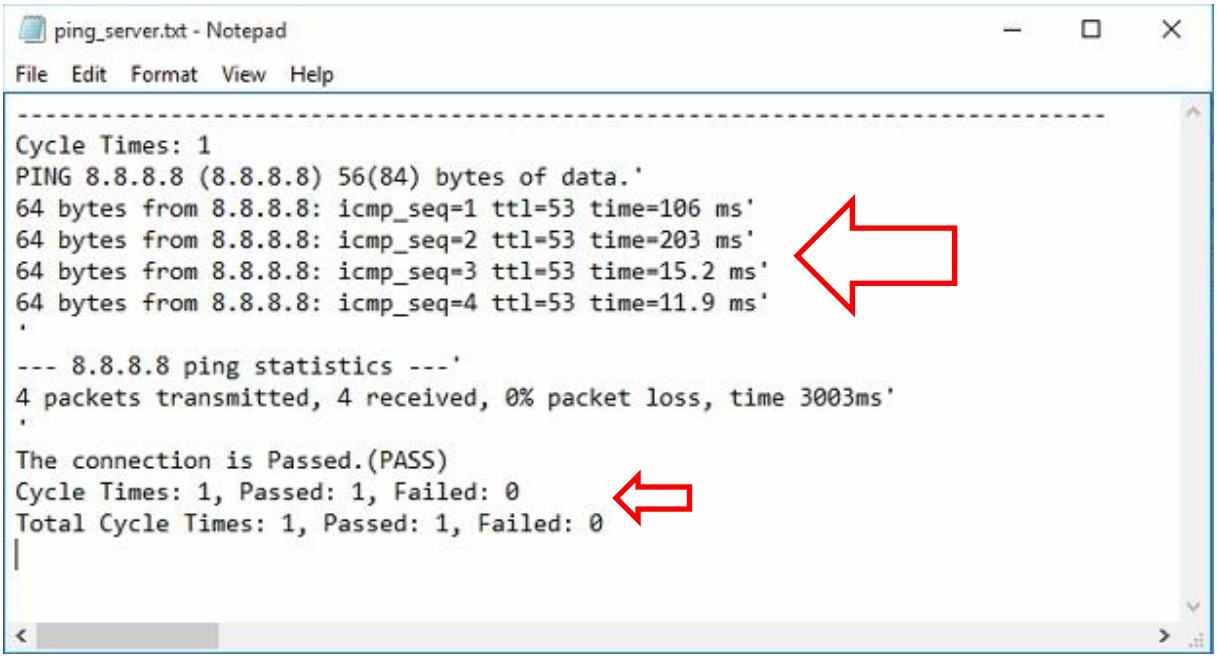
Step 5:

When the program is completed, the windows should be closed.

You can see the log under the “\airplane_wlan\” folder as below: (Figure 2)

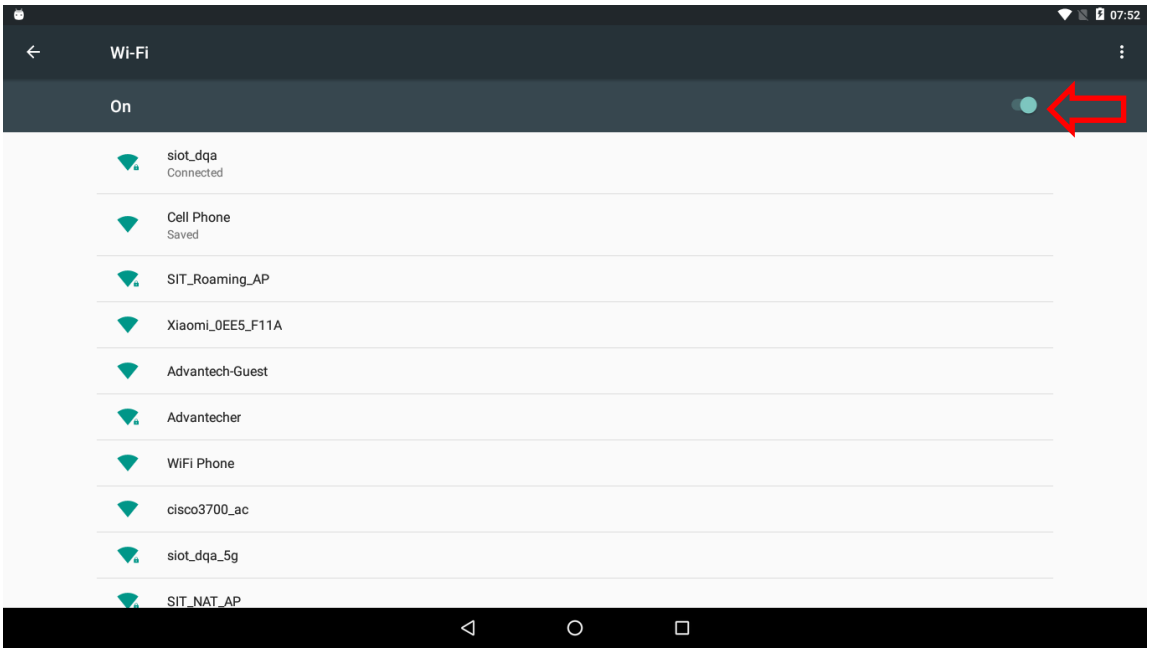


- ping_server.txt is ping log.



The Total Cycle Times is 1, Passed is 1 and Failed is 0.

- airplane_off_1_20190611_174640.jpg is airplane switch off by screenshot.



- airplane_on_1_20190611_174612.jpg is airplane switch on by screenshot.