REALTEK

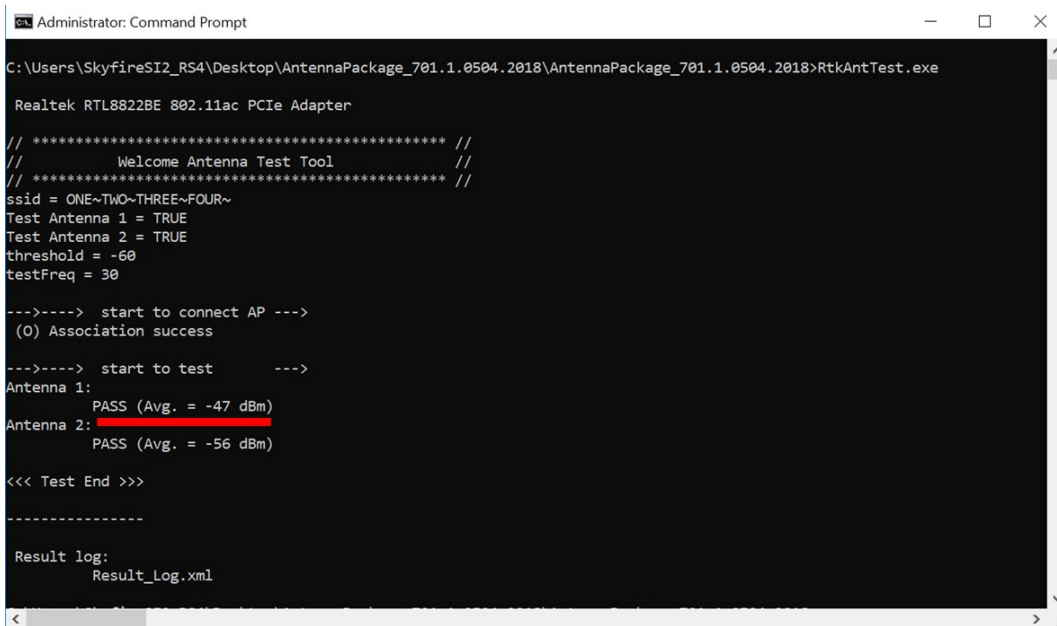# Antenna Test Result Introduction

Use prompt to execute RtkAntTest.exe, the case of result as follows,

1. **Antenna Test : PASS**

Prompt

Result Log

![REALTEK logo]

2. <u>**Antenna Test : FAIL**</u>

Prompt

```
Administrator: Command Prompt                                  —    □    ×

C:\Users\SkyfireSI2_RS4\Desktop\AntennaPackage_701.1.0504.2018\AntennaPackage_701.1.0504.2018>RtkAntTest.exe

 Realtek RTL8822BE 802.11ac PCIe Adapter

// ************************************************ //
//              Welcome Antenna Test Tool             //
// ************************************************ //
ssid = ONE~TWO~THREE~FOUR~
Test Antenna 1 = TRUE
Test Antenna 2 = TRUE
threshold = -60
testFreq = 30

--->----> start to connect AP --->
 (O) Association success

--->----> start to test      --->
Antenna 1:
        PASS (Avg. = -45 dBm)
Antenna 2:
        FAIL (Avg. = -99 dBm)

<<< Test End >>>

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Result log:
        Result_Log.xml

<                                                   >
```
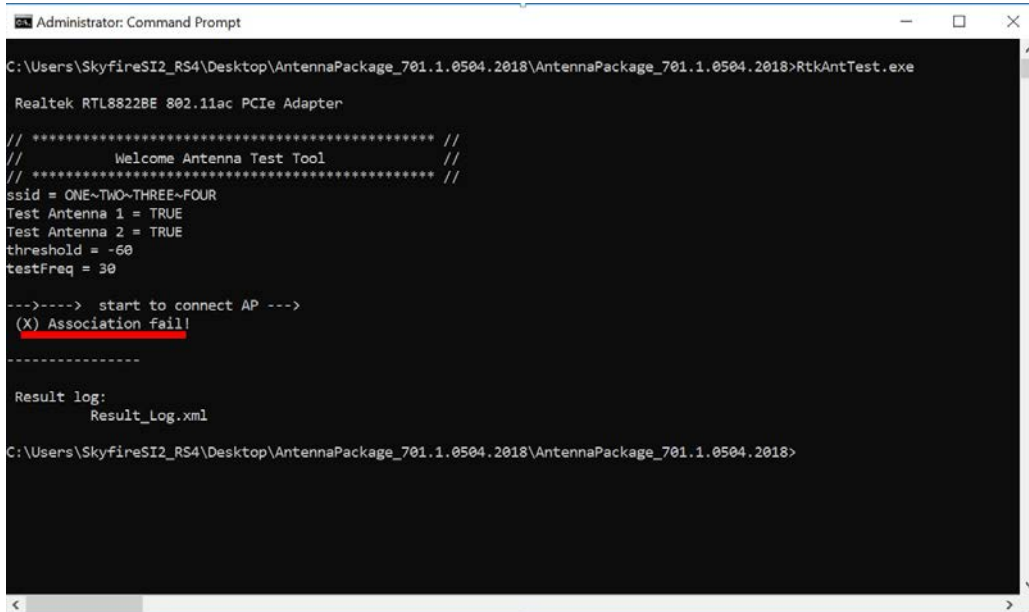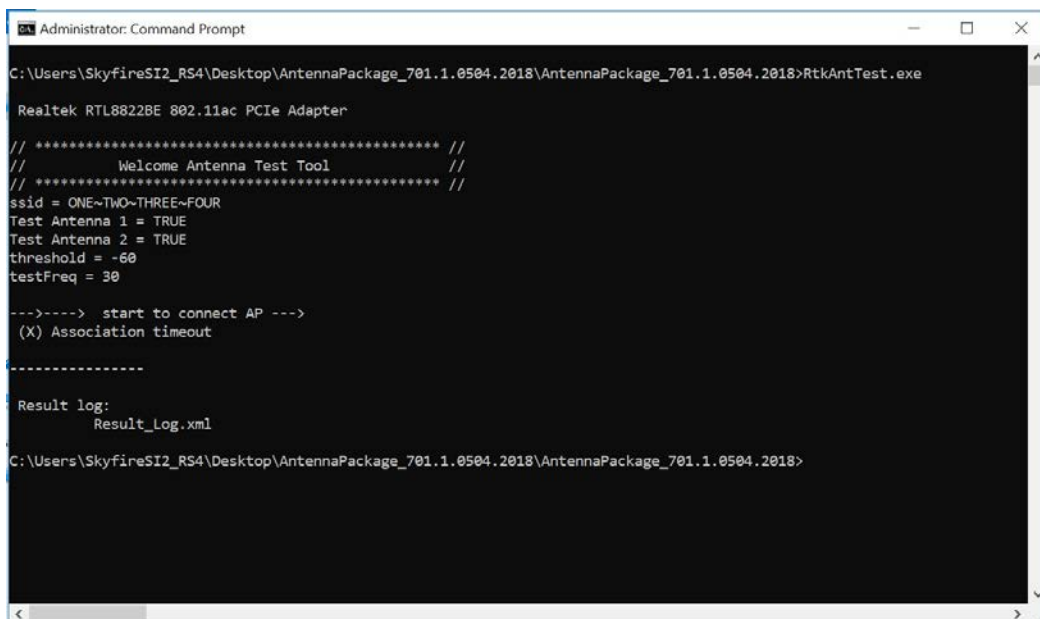
Result Log

```
<?xml version="1.0" encoding="ISO-8859-1"?>
- <Results>
   - <Result timestamp="2018/05/07 16:39:49" status="1" name="Arguments">
         <Data name="AntennaSEL" value="0"/>
         <Data name="SSID" value="ONE~TWO~THREE~FOUR~"/>
         <Data name="SignalStrengthBoundary" value="-60"/>
         <Data name="TestFrequency" value="30"/>
     </Result>
   - <Result timestamp="2018/05/07 16:39:53" status="1" name="Antenna1">
         <Data name="Vendor" value="Realtek"/>
         <Data name="Module" value="RTL8822BE"/>
         <Data name="SignalStrengthBoundary" value="-60"/>
         <Data name="SSID" value="ONE~TWO~THREE~FOUR~"/>
         <Data name="SignalStrengthObtainedindBm" value="-45"/>
     </Result>
   - <Result timestamp="2018/05/07 16:39:55" status="0" name="Antenna2">
         <Data name="Vendor" value="Realtek"/>            FAIL
         <Data name="Module" value="RTL8822BE"/>
         <Data name="SignalStrengthBoundary" value="-60"/>
         <Data name="SSID" value="ONE~TWO~THREE~FOUR~"/>
         <Data name="SignalStrengthObtainedindBm" value="-99"/>
     </Result>
</Results>
```

REALTEK

3. **Antenna Test : Association Fail or Timeout**

Prompt
- System notification for unsuccessful association

- System notification for association timeout

REALTEK

Result Log

```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
- <Results>
    - <Result timestamp="2018/05/07 16:40:53" status="1" name="Arguments">
        <Data name="AntennaSEL" value="0"/>
        <Data name="SSID" value="ONE~TWO~THREE~FOUR"/>
        <Data name="SignalStrengthBoundary" value="-60"/>
        <Data name="TestFrequency" value="30"/>
    </Result>
    - <Result timestamp="2018/05/07 16:40:56" status="0" name="Failure">
        <Data name="Vendor" value="Realtek"/>
        <Data name="Module" value="RTL8822BE"/>
        <Data name="Description" value="Association failed"/>
    </Result>
</Results>
```

Cannot connect to AP

Note:

Interrupting RtkAntTest.exe may cause unexpected result (e.g., device in the disabled state), and hence, please do not close the window if the tool is still on-going.