

DFS test SOP

FCC ID: OFJCW-F25-140401

Test Setup Photo



Note: Once ready, after 2-5 minutes, you will see the EUT indicator is constant on.

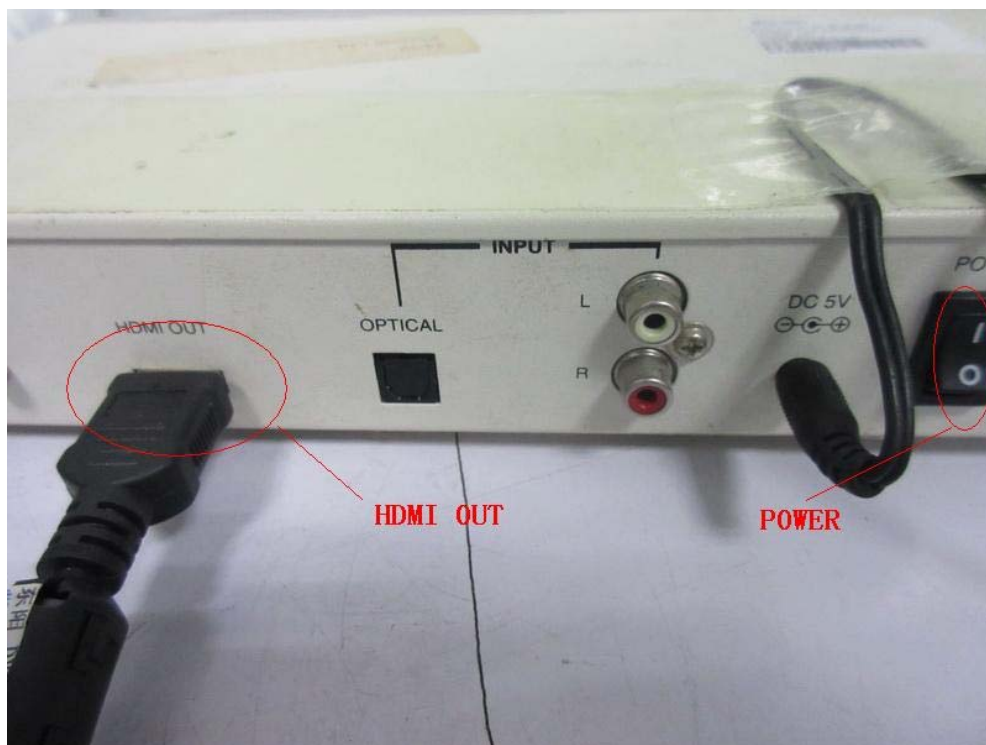
EUT(TX) part Connection instructions:

1. Signal generator Setup

Front



Back

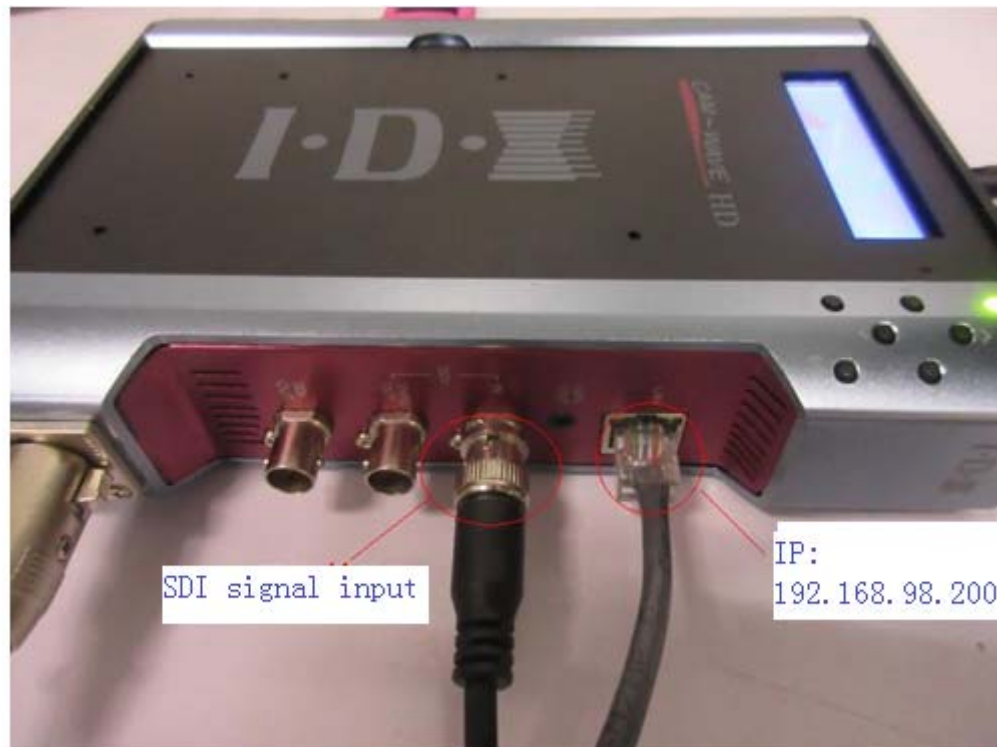


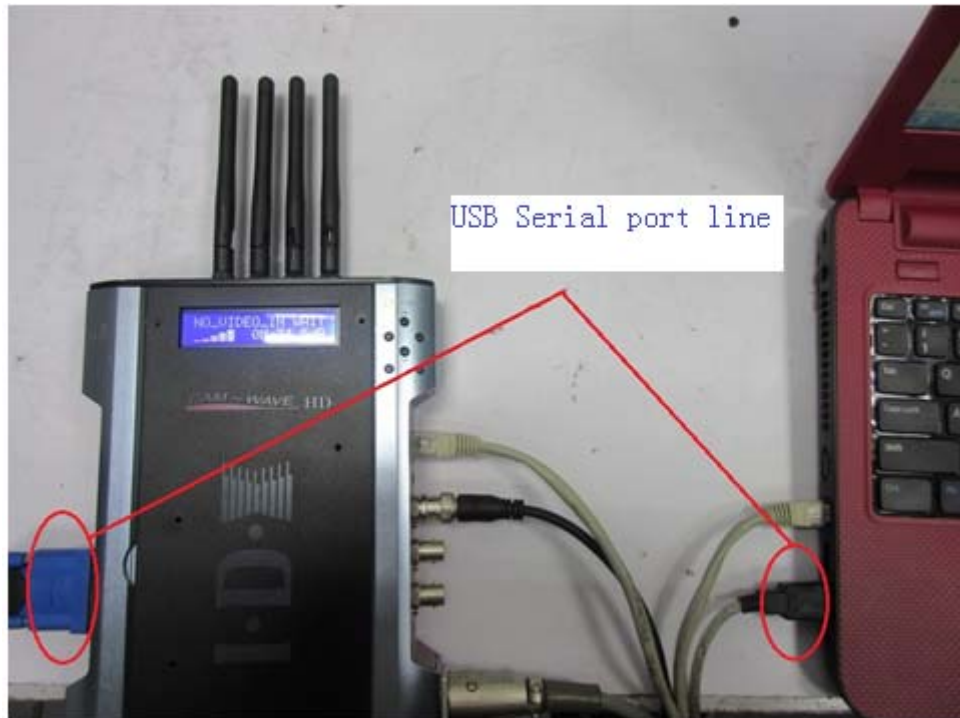
Note: HDMI OUT port is connected with HDMI IN port of Converter with a HDMI cable.

2. Converter Setup



3.EUT (TX) Setup





RX part Connection instructions:

1. RX

Front



Back

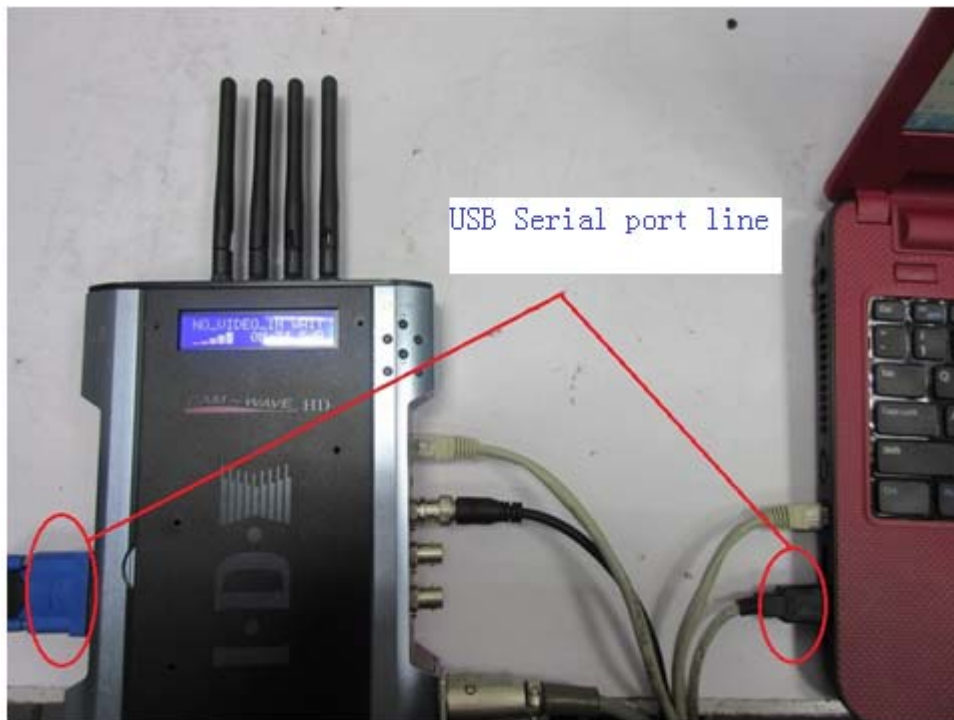


2. Converter Setup

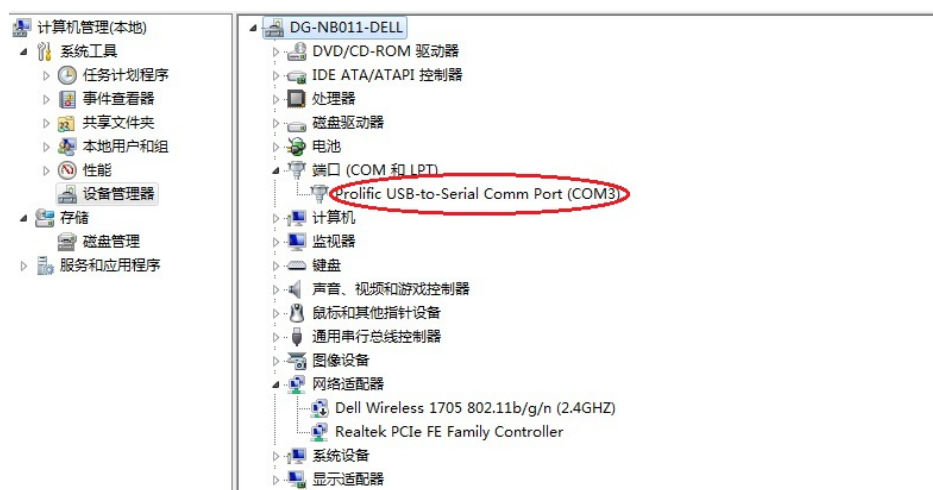


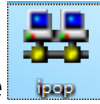
DFS Test steps:

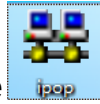
1. Connect EUT to computer as below to achieve instruction control.

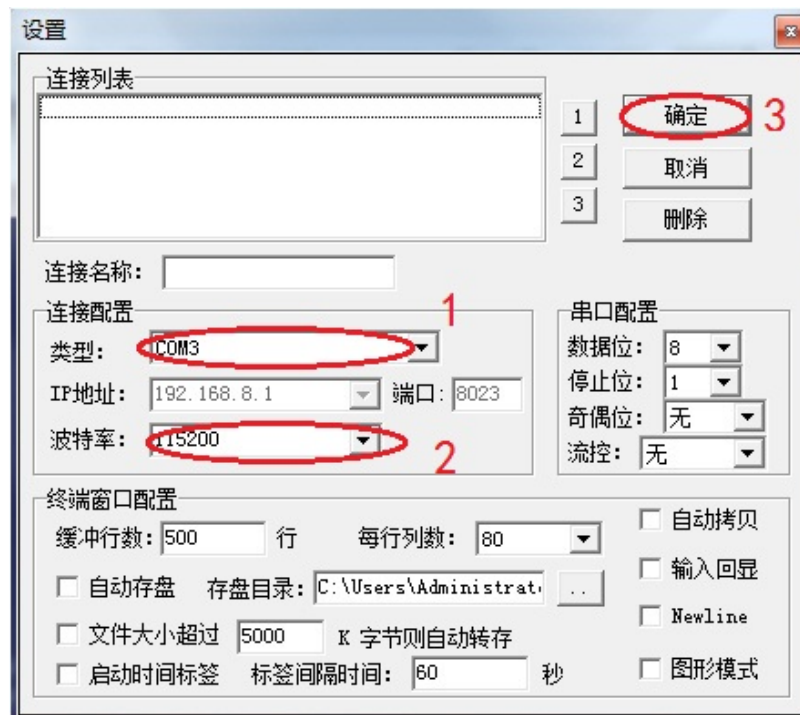


2. Then see serial port connection information as below.



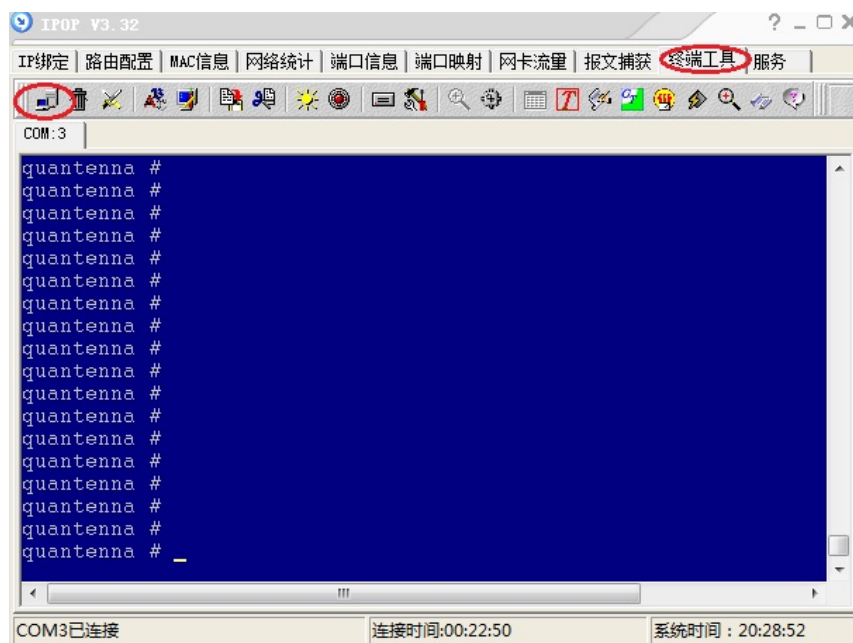


3. Open the serial software , and then click on the terminal tool, to establish a new connection. Setting as below:

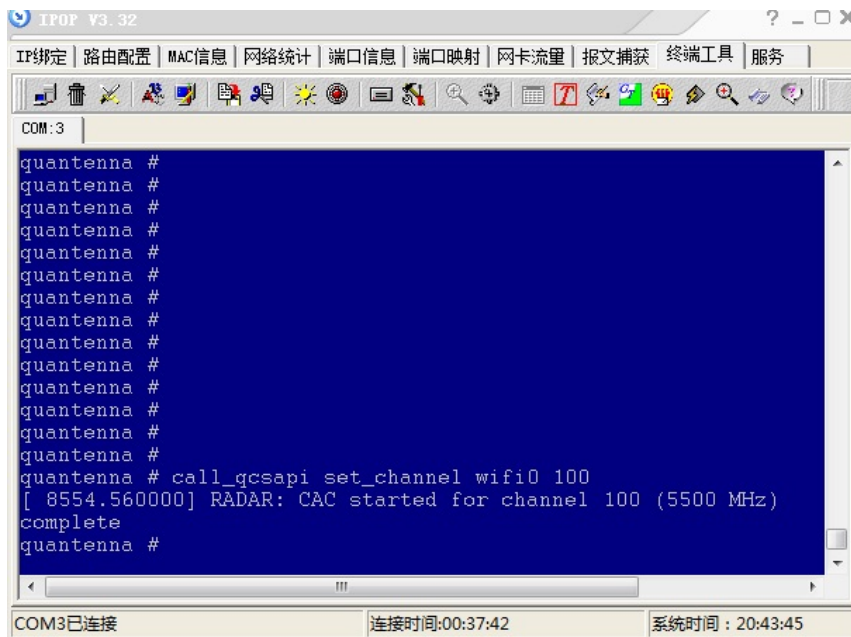


Note:

- 1: corresponding serial port
 - 2: fixed band rate
 - 3: Confirm OK
4. Go to the control interface, and you will see below after pressing the “ENTER” key.



5. Directly input the instruction to proceed DFS test.



```
IPPOP V3.32
IP绑定 | 路由配置 | MAC信息 | 网络统计 | 端口信息 | 端口映射 | 网卡流量 | 报文捕获 | 终端工具 | 服务
COM:3
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna #
quantenna # call_qcsapi set_channel wifi0 100
[ 8554.560000] RADAR: CAC started for channel 100 (5500 MHz)
complete
quantenna #
```

COM3已连接 连接时间:00:37:42 系统时间: 20:43:45

DFS test instructions:

Set DFS test mode (have detection of radar signal, no frequency hopping):

```
echo "set test1 0x2" > /sys/devices/qdrv/control
```

Set normal mode(have detection of radar signal and frequency hopping):

```
echo "set test1 0x0" > /sys/devices/qdrv/control
```

Get the current working frequency point:

```
call_qcsapi get_channel wifi0
```

Set the working frequency point(The last three digits 120 means channel):

```
call_qcsapi set_channel wifi0 102
```

6. Check IP setting:

IP Address: 192.168.98.200

Username/password: super

