### Use Case 2: Performance Test using iPerf Application

This use case is to test the performance using iPerf application. Execute the following steps:

**Step 1**:

1. Scan the network
2. Connect to the network of SSID ct\_asus and passphrase 12345678
3. Get the IP address of the Talaria TWO module
4. Get the WLAN status of the Talaria TWO module
5. Start the UDP server and send data once the client connects

|  |  |
| --- | --- |
| **Command** | **Description** |
| *./conmgr scan* | Scan |
| *./conmgr connect <SSID><AP PWD>* | Connect |
| *./conmgr ip* | Get IP address |
| *./conmgr status* | Status |
| *iperf3 -s -i 1* | Iperf traffic for UDP UL |

Table 2: Performance Test using iPerf Application – Commands

Console outputs:

1. ./conmgr connect innotest 123456789

A screenshot of a computer

Description automatically generated

Figure 14: ./conmgr connect - output

1. ./conmgr status

Text

Description automatically generated

Figure 15: ./conmgr status – output

**Step 2**: From the Linux host machine, start the UDP client using the following command, connect to the Talaria TWO UDP server of IP address 192.168.1.173 and port 5201. Once the client connects, Talaria TWO will start sending the data over UDP socket:

|  |
| --- |
| iperf3 -c <Ipaddress> -i 1 -t 36000 -u -b 15M -R |

Output:

A picture containing graphical user interface

Description automatically generated

Figure 16: Starting UDP Client