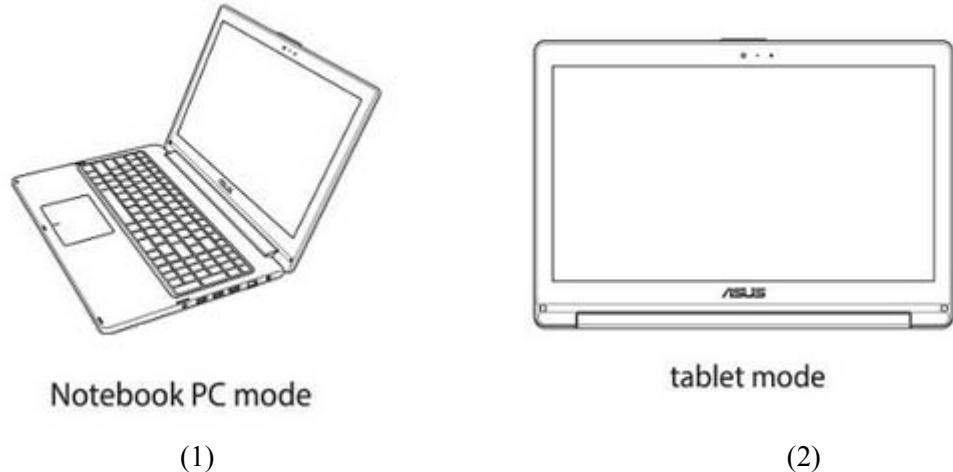The EUT is a SINGLE STREAM 802.11A/B/G/N/AC + BT 4.1 M.2 TYPE CARD with a built-in 2.4GHz and 5GHz WLAN card. This device provided four kinds of transmitting speed 1, 2, 5.5 and 11Mbps and the device of RF carrier is DBPSK, DQPSK and CCK (IEEE 802.11b). The device provided of eight kinds of transmitting speed 6, 9, 12, 18, 24, 36, 48 and 54Mbps the device of RF carrier is BPSK, QPSK, 16QAM and 64QAM (IEEE 802.11a/g).

The device provided of eight kinds of transmitting speed 14.4,28.9,43.3,57.8,86.7,115.6,130 and 144.4Mbps in 802.11n(20M-BW) mode and 30,60,90,120,180,240,270 and 300 Mbps(40M-BW) and 65,130,195,260,390,520,585,650,780 and 866.7Mbps in 802.11ac(80BW) mode the device of RF carrier is BPSK, QPSK, 16QAM and 64QAM and 256 QAM (IEEE 802.11n/ac), the IEEE 802.11n/ac is Multiple In, Multiple Out" (MIMO) technology.

The device adapts direct sequence spread spectrum modulation. The antenna provides diversity function to improve the receiving function and the antennas to support 2(Transmit) × 2(Receive) MIMO technology.

This product provided two different modes for end user please refer to below picture (1) and (2).

Notebook PC mode

tablet mode

(1)   (2)

Manufactures will using Magnetic flux sensor to detect monitor angle and determine two type of power.

NB Mode Power

Tablet Mode Power

adjust to a 360° angle

When the angle of monitor and corner of keyboard is less than 190 degree hence it is determined for Notebook mode. Therefore output power will use the 5mm Modular SAR power in Notebook mode .

When the angle of monitor and corner of keyboard is greater than 190 degree hence it is determined for Tablet mode. This software will also reduce the output power through firmware in Tablet mode.