

TEST REPORT

EUT Description	Convertible PC
Brand Name	HP
Model Name	TPN-W158
FCC ID	PD9BE200NG
ISED ID	1000M-BE200NG
Date of Test Start/End	2023-12-11 / 2023-12-11
Features	IEEE 802.11a/b/g/n/ac/ax/be

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Test Report identification	231110-01.TR01
Revision Control	Rev. 00 This test report replaces any previous versions of this test report (see Section 7)

The test results relate only to the samples tested.

Reviewed by _____

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1. Standards, reference documents and applicable test methods

- a. KDB 388624 D02 Pre-Approval Guidance List v18, PRE-APPROVAL GUIDANCE LIST
- b. FCC Presentations TCB Workshop November 2019, RF exposure procedures.

2. General conditions, competences and guarantees

- ✓ Intel WRF Lab only provides testing services and is committed to providing reliable, unbiased test results and interpretations.
- ✓ Intel WRF Lab is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.
- ✓ Intel WRF Lab has developed calibration and proficiency programs for its measurement equipment to ensure correlated and reliable results to its customers.
- ✓ This report is only referred to the item that has undergone the test.
- ✓ This report does not imply an approval of the product by the Certification Bodies or competent Authorities.

3. Environmental Conditions

- ✓ At the site where the measurements were performed the following limits were not exceeded during the tests:

Temperature	21.5°C ± 0.2°C
Humidity	42.4% ± 3.9%

4. Test Sample

Sample	ID #	Description	Model	Serial #	Note
#1	231110-01.S05	Convertible PC	TPN-W158	2023102504793	-

5. EUT Features

The herein information is provided by the customer.

Intel WRF Lab declines any responsibility for the accuracy of the stated customer provided information, especially if it has any impact on the correctness of test results presented in this report.

Brand Name	HP
Model Name	TPN-W158
Prototype / Production	Production
Host Identification	Convertible PC

6. Remarks and comments

1. The test report is validation of the G sensor functionality

7. Test Results summary

7.1. WLAN Tx Power Table Summary

Device Mode	Lid Angle range	LCD Direction	2.4GHz-CH6 802.11b				5GHz-CH120 802.11a			
			Target Power (dBm)		Measured Power (dBm)		Target Power (dBm)		Measured Power (dBm)	
			Antenna AUX (1)	Antenna MAIN (2)	Antenna AUX (1)	Antenna MAIN (2)	Antenna AUX (1)	Antenna MAIN (2)	Antenna AUX (1)	Antenna MAIN (2)
Lid Close	0° ≤ - <30°	-	Standby	Standby	Standby	Standby	Standby	Standby	Standby	Standby
Laptop	30° ≤ - <130°	0°	20.5	20.5	20.3	20.1	20.5	20.5	20.4	20.1
Tent	200° ≤ - <340°	180°	19.5	19.5	19.1	18.6	18.0	18.0	17.4	17.0
Stand	200° ≤ - <340°	0°	20.5	20.5	20.3	20.1	20.5	20.5	20.4	20.1
Tablet	130° ≤ - <200° 200° ≤ - <340° 340° ≤ - <360°	0° 90° or 270°	19.5	19.5	19.1	18.6	18.0	18.0	17.4	17.0
Book	30° ≤ - <200°	90° or 270°	19.5	19.5	19.1	18.6	18.0	18.0	17.4	17.0

8. Document Revision History

Revision #	Date	Modified by	Revision Details
Rev.00	-	Cheiel In	Initial release

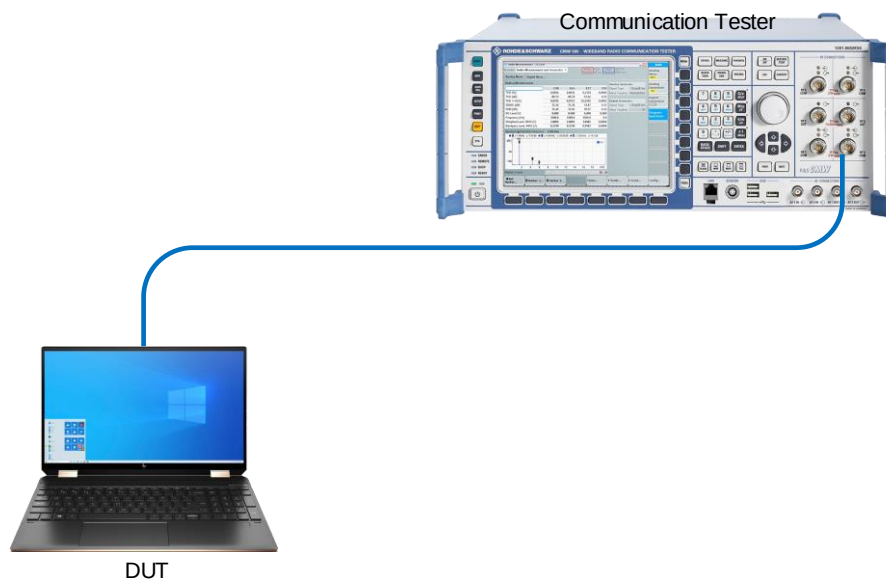
Annex A. Test & System description

A.1 Test setup

The conducted power measurement test setup is described in the following and illustrated in Figure 1.

- The DUT is convertible PC from HP model TPN-W158. An BE200NGW connectivity module is installed inside
- A control PC is used to configure the call box as an access point to manage the uplink and downlink data traffic.
- Uplink signal power is measured with the Call Box.
- Path loss in the power measurement setup from the wireless module antenna port to the Call Box.

Figure.1 – Power measurement test setup.



A.2 Procedure

The following additional guidance applies only to convertible laptops whose screen rotates around one axis, from 0 degrees to 360 degrees, in a clamshell style, i.e., from closed mode to open mode, to “tent” mode, and finally, to tablet mode. This process must be followed to determine the lid angle where a power reduction occurs, by taking power measurements at each step, as indicated in the step listed here below:

1. From the lid in closed mode (0 degrees), open the screen in 10-degree steps until laptop mode is obtained
2. Lower the screen by 5 degrees increments to verify that the “closed mode” is triggered
3. From the position of the previous step, open the screen in 1-degree increments until laptop mode is triggered again
4. Continue opening the screen in 1-degree increments until at least 5 degrees past where “laptop mode” was obtained, then continue opening the screen in 10-degree steps until the device switches to tablet mode
5. Reverse the previous procedure to go from tablet mode back down to closed mode

A.3 Test Equipment List

Equipment and accessories used for the conducted power measurement test setup are listed below. The Test Platform (DUT), test setup and associated equipment are shown in A.1.

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
125-000	Communication Tester	CMW500	129337	Rohde & Schwartz	2023-04-12	2025-04-12
022-003 022-004	RF path (RF cable + Adapters)	-	-	-	RF path loss was verified before usage	

A.4 Measurement Uncertainty Evaluation

The system uncertainty evaluation is shown in the table below with a coverage factor of $k = 2$ to indicate a 95% level of confidence:

Measurement type	Uncertainty	Unit
Power level	± 1	dB

Annex B. Test Results

B.1 Trigger lid angle detection and power verification 2.4GHz

B.1.1 LCD direction 0°

The lid is rotating from 0 to 360. The screen is vertical, LCD direction is 0 degree.

Mode	Angle (degree)	Power measured 2.4GHz-Ch6(dBm)	
		AUX (1)	MAIN (2)
Lid close	0	Standby	Standby
	10	Standby	Standby
	20	Standby	Standby
Laptop	30	20.3	20.1
Lid close	25	Standby	Standby
	26	Standby	Standby
	27	Standby	Standby
	28	Standby	Standby
Laptop	29	Standby	Standby
	30	20.3	20.1
	31	20.3	20.1
	32	20.3	20.1
	33	20.3	20.1
	34	20.3	20.1
	35	20.3	20.1
	40	20.3	20.1
	50	20.3	20.1
	60	20.3	20.1
	70	20.3	20.1
	80	20.3	20.1
	90	20.3	20.1
	100	20.3	20.1
	110	20.3	20.1
	120	20.3	20.1
	130	20.3	20.1
Tablet	140	19.1	18.6
Laptop	135	20.3	20.1
Tablet	136	19.1	18.6
	137	19.1	18.6
	138	19.1	18.6
	139	19.1	18.6
	140	19.1	18.6
	150	19.1	18.6
	160	19.1	18.6
	170	19.1	18.6
	180	19.1	18.6
	190	19.1	18.6
	200	19.1	18.6
Stand	210	20.3	20.1
Tablet	205	19.1	18.6
Stand	206	20.3	20.1
	207	20.3	20.1
	208	20.3	20.1
	209	20.3	20.1
	210	20.3	20.1
	220	20.3	20.1
	230	20.3	20.1

Mode	Angle (degree)	Power measured 2.4GHz-Ch6(dBm)	
		AUX (1)	MAIN (2)
Stand	240	20.3	20.1
	250	20.3	20.1
	260	20.3	20.1
	270	20.3	20.1
	280	20.3	20.1
	290	20.3	20.1
	300	20.3	20.1
	310	20.3	20.1
	320	20.3	20.1
	330	20.3	20.1
	340	20.3	20.1
Tablet	350	19.1	18.6
Stand	345	20.3	20.1
Tablet	346	19.1	18.6
	347	19.1	18.6
	348	19.1	18.6
	349	19.1	18.6
	350	19.1	18.6
	351	19.1	18.6
	360	19.1	18.6

The lid is rotating from 360 degrees to 0 degree. The screen is vertical, LCD direction to 0 degree.

Mode	Angle	Power measured	
	(degree)	2.4GHz-Ch6(dBm)	
		AUX (1)	MAIN (2)
Tablet	360	19.1	18.6
	350	19.1	18.6
	340	19.1	18.6
Stand	330	20.3	20.1
Tablet	335	19.1	18.6
Stand	334	20.3	20.1
	333	20.3	20.1
	332	20.3	20.1
	331	20.3	20.1
	330	20.3	20.1
	329	20.3	20.1
	320	20.3	20.1
	310	20.3	20.1
	300	20.3	20.1
	290	20.3	20.1
	280	20.3	20.1
	270	20.3	20.1
	260	20.3	20.1
	250	20.3	20.1
	240	20.3	20.1
	230	20.3	20.1
	220	20.3	20.1
	210	20.3	20.1
	200	20.3	20.1
Tablet	190	19.1	18.6
Stand	195	20.3	20.1
Tablet	194	19.1	18.6
	193	19.1	18.6
	192	19.1	18.6
	191	19.1	18.6
	190	19.1	18.6
	180	19.1	18.6
	170	19.1	18.6
	160	19.1	18.6
	150	19.1	18.6
	140	19.1	18.6
Laptop	130	19.1	18.6
	120	20.3	20.1
Tablet	125	19.1	18.6
Laptop	124	20.3	20.1
	123	20.3	20.1
	122	20.3	20.1
	121	20.3	20.1
Laptop	120	20.3	20.1

Mode	Angle	Power measured	
	(degree)	2.4GHz-Ch6(dBm)	
		AUX (1)	MAIN (2)
Laptop	110	20.3	20.1
	100	20.3	20.1
	90	20.3	20.1
	80	20.3	20.1
	70	20.3	20.1
	60	20.3	20.1
	50	20.3	20.1
	40	20.3	20.1
	30	20.3	20.1
Lid close	20	Standby	Standby
Laptop	25	20.3	20.1
Lid close	24	Standby	Standby
	23	Standby	Standby
	22	Standby	Standby
	21	Standby	Standby
	20	Standby	Standby
	10	Standby	Standby
	0	Standby	Standby

B.1.2 LCD direction 90/270°

The lid is rotating from 0 to 360 degrees. The screen is vertical, LCD direction to 90 degrees.

Mode	Angle	Power measured	
	(degree)	2.4GHz-Ch6(dBm)	
		AUX (1)	MAIN (2)
Lid close	0	Standby	Standby
	10	Standby	Standby
	20	Standby	Standby
Book	30	19.1	18.6
Lid close	25	Standby	Standby
	26	Standby	Standby
	27	Standby	Standby
	28	Standby	Standby
	29	Standby	Standby
Book	30	19.1	18.6
	31	19.1	18.6
	32	19.1	18.6
	33	19.1	18.6
	34	19.1	18.6
	35	19.1	18.6
	40	19.1	18.6
	50	19.1	18.6
	60	19.1	18.6
	70	19.1	18.6
	80	19.1	18.6
	90	19.1	18.6
	100	19.1	18.6
	110	19.1	18.6
	120	19.1	18.6
	130	19.1	18.6
	140	19.1	18.6
	150	19.1	18.6
	160	19.1	18.6
	170	19.1	18.6
	180	19.1	18.6
	190	19.1	18.6
	200	19.1	18.6
Tablet	210	19.1	18.6
Book	205	19.1	18.6
Tablet	206	19.1	18.6
	207	19.1	18.6
	208	19.1	18.6
	209	19.1	18.6
	210	19.1	18.6
	220	19.1	18.6
	230	19.1	18.6
	240	19.1	18.6
	250	19.1	18.6
	260	19.1	18.6
	270	19.1	18.6
	280	19.1	18.6
	290	19.1	18.6
	300	19.1	18.6
	310	19.1	18.6
	320	19.1	18.6
	330	19.1	18.6
	340	19.1	18.6
	350	19.1	18.6
	360	19.1	18.6

The lid is rotating from 360 to 0 degree. The screen is vertical, LCD direction to 90 or 270 degrees.

Mode	Angle (degree)	Power measured 2.4GHz-Ch6(dBm)	
		AUX (1)	MAIN (2)
Tablet	360	19.1	18.6
	350	19.1	18.6
	340	19.1	18.6
	330	19.1	18.6
	320	19.1	18.6
	310	19.1	18.6
	300	19.1	18.6
	290	19.1	18.6
	280	19.1	18.6
	270	19.1	18.6
	260	19.1	18.6
	250	19.1	18.6
	240	19.1	18.6
	230	19.1	18.6
	220	19.1	18.6
	210	19.1	18.6
	200	19.1	18.6
Book	190	19.1	18.6
Tablet	195	19.1	18.6
Book	194	19.1	18.6
	193	19.1	18.6
	192	19.1	18.6
	191	19.1	18.6
	190	19.1	18.6
	180	19.1	18.6
	170	19.1	18.6
	160	19.1	18.6
	150	19.1	18.6
	140	19.1	18.6
	130	19.1	18.6
	120	19.1	18.6
	110	19.1	18.6
	100	19.1	18.6
	90	19.1	18.6
	80	19.1	18.6
	70	19.1	18.6
	60	19.1	18.6
	50	19.1	18.6
	40	19.1	18.6
	30	19.1	18.6
Lid close	20	Standby	Standby
Book	25	19.1	18.6
Lid close	24	Standby	Standby
	23	Standby	Standby
	22	Standby	Standby
	21	Standby	Standby
	20	Standby	Standby
	10	Standby	Standby
	0	Standby	Standby

B.1.3 LCD direction 180°

The lid is rotating from 360 degrees to 180 degrees. The screen is vertical, LCD direction to 180 degrees.
 Note: The LCD direction switch to 0 degrees for low angle.

Mode	Angle (degree)	Power measured 2.4GHz-Ch6(dBm)	
		AUX (1)	MAIN (2)
Tablet	360	19.1	18.6
	350	19.1	18.6
	340	19.1	18.6
Tent	330	19.1	18.6
Tablet	335	19.1	18.6
Tent	334	19.1	18.6
	333	19.1	18.6
	332	19.1	18.6
	331	19.1	18.6
	330	19.1	18.6
	320	19.1	18.6
	310	19.1	18.6
	300	19.1	18.6
	290	19.1	18.6
	280	19.1	18.6
	270	19.1	18.6
	260	19.1	18.6
	250	19.1	18.6
	240	19.1	18.6
	230	19.1	18.6
	220	19.1	18.6
	210	19.1	18.6
	200	19.1	18.6
Tablet	190	19.1	18.6
Tent	195	19.1	18.6
Tablet	194	19.1	18.6
	193	19.1	18.6
	192	19.1	18.6
	191	19.1	18.6
	190	19.1	18.6
	180	19.1	18.6

The lid is rotating from 180 degrees to 360 degrees. The screen is vertical, LCD direction to 180 degrees.
 Note: The LCD direction switch to 0 degrees for low angle.

Mode	Angle (degree)	Power measured 2.4GHz-Ch6(dBm)	
		AUX (1)	MAIN (2)
Tablet	180	19.1	18.6
	190	19.1	18.6
Tent	200	19.1	18.6
Tablet	195	19.1	18.6
Tent	196	19.1	18.6
	197	19.1	18.6
	198	19.1	18.6
	199	19.1	18.6
	200	19.1	18.6
	210	19.1	18.6
	220	19.1	18.6
	230	19.1	18.6
	240	19.1	18.6
	250	19.1	18.6
	260	19.1	18.6
	270	19.1	18.6
	280	19.1	18.6
	290	19.1	18.6
	300	19.1	18.6
	310	19.1	18.6
	320	19.1	18.6
	330	19.1	18.6
Tablet	340	19.1	18.6
Tent	335	19.1	18.6
	336	19.1	18.6
	337	19.1	18.6
	338	19.1	18.6
	339	19.1	18.6
Tablet	340	19.1	18.6
	350	19.1	18.6
	360	19.1	18.6

B.2 Trigger lid angle detection and power verification 5GHz

B.2.1 LCD direction 0°

The lid is rotating from 0 to 360. The screen is vertical, LCD direction is 0 degree.

Mode	Angle (degree)	Power measured 5GHz-Ch120(dBm)	
		AUX (1)	MAIN (2)
Lid close	0	Standby	Standby
	10	Standby	Standby
	20	Standby	Standby
Laptop	30	20.4	20.1
Lid close	25	Standby	Standby
	26	Standby	Standby
	27	Standby	Standby
	28	Standby	Standby
	29	Standby	Standby
Laptop	30	20.4	20.1
	31	20.4	20.1
	32	20.4	20.1
	33	20.4	20.1
	34	20.4	20.1
	35	20.4	20.1
	40	20.4	20.1
	50	20.4	20.1
	60	20.4	20.1
	70	20.4	20.1
	80	20.4	20.1
	90	20.4	20.1
	100	20.4	20.1
	110	20.4	20.1
	120	20.4	20.1
	130	20.4	20.1
Tablet	140	17.4	17.0
Laptop	135	20.4	20.1
Tablet	136	17.4	17.0
	137	17.4	17.0
	138	17.4	17.0
	139	17.4	17.0
	140	17.4	17.0
	150	17.4	17.0
	160	17.4	17.0
	170	17.4	17.0
	180	17.4	17.0
Stand	190	17.4	17.0
	200	17.4	17.0
	210	20.4	20.1
Tablet	205	17.4	17.0
Stand	206	20.4	20.1
	207	20.4	20.1
	208	20.4	20.1
	209	20.4	20.1
	210	20.4	20.1
	220	20.4	20.1
	230	20.4	20.1

Mode	Angle (degree)	Power measured 5GHz-Ch120(dBm)	
		AUX (1)	MAIN (2)
Stand	240	20.4	20.1
	250	20.4	20.1
	260	20.4	20.1
	270	20.4	20.1
	280	20.4	20.1
	290	20.4	20.1
	300	20.4	20.1
	310	20.4	20.1
	320	20.4	20.1
	330	20.4	20.1
Tablet	340	20.4	20.1
Stand	350	17.4	17.0
Tablet	345	20.4	20.1
	346	17.4	17.0
	347	17.4	17.0
	348	17.4	17.0
	349	17.4	17.0
	350	17.4	17.0
	351	17.4	17.0
	360	17.4	17.0

The lid is rotating from 360 degrees to 0 degree. The screen is vertical, LCD direction to 0 degree.

Mode	Angle	Power measured	
	(degree)	5GHz-Ch120(dBm)	
		AUX (1)	MAIN (2)
Tablet	360	17.4	17.0
	350	17.4	17.0
	340	17.4	17.0
Stand	330	20.4	20.1
Tablet	335	17.4	17.0
Stand	334	20.4	20.1
	333	20.4	20.1
	332	20.4	20.1
	331	20.4	20.1
	330	20.4	20.1
	329	20.4	20.1
	320	20.4	20.1
	310	20.4	20.1
	300	20.4	20.1
	290	20.4	20.1
	280	20.4	20.1
	270	20.4	20.1
	260	20.4	20.1
	250	20.4	20.1
	240	20.4	20.1
	230	20.4	20.1
	220	20.4	20.1
	210	20.4	20.1
	200	20.4	20.1
Tablet	190	17.4	17.0
Stand	195	20.4	20.1
Tablet	194	17.4	17.0
	193	17.4	17.0
	192	17.4	17.0
	191	17.4	17.0
	190	17.4	17.0
	180	17.4	17.0
	170	17.4	17.0
	160	17.4	17.0
	150	17.4	17.0
	140	17.4	17.0
Laptop	130	17.4	17.0
	120	20.4	20.1
Tablet	125	17.4	17.0
Laptop	124	20.4	20.1
	123	20.4	20.1
	122	20.4	20.1
	121	20.4	20.1
Laptop	120	20.4	20.1

Mode	Angle	Power measured	
	(degree)	5GHz-Ch120(dBm)	
		AUX (1)	MAIN (2)
Laptop	110	20.4	20.1
	100	20.4	20.1
	90	20.4	20.1
	80	20.4	20.1
	70	20.4	20.1
	60	20.4	20.1
	50	20.4	20.1
	40	20.4	20.1
Lid close	30	20.4	20.1
	20	Standby	Standby
Laptop	25	20.4	20.1
Lid close	24	Standby	Standby
	23	Standby	Standby
	22	Standby	Standby
	21	Standby	Standby
	20	Standby	Standby
	10	Standby	Standby
	0	Standby	Standby

B.2.2 LCD direction 90/270°

The lid is rotating from 0 to 360 degrees. The screen is vertical, LCD direction to 90 degrees.

Mode	Angle	Power measured	
	(degree)	5GHz-Ch120(dBm)	
		AUX (1)	MAIN (2)
Lid close	0	Standby	Standby
	10	Standby	Standby
	20	Standby	Standby
Book	30	17.4	17.0
Lid close	25	Standby	Standby
	26	Standby	Standby
	27	Standby	Standby
	28	Standby	Standby
	29	Standby	Standby
Book	30	17.4	17.0
	31	17.4	17.0
	32	17.4	17.0
	33	17.4	17.0
	34	17.4	17.0
	35	17.4	17.0
	40	17.4	17.0
	50	17.4	17.0
	60	17.4	17.0
	70	17.4	17.0
	80	17.4	17.0
	90	17.4	17.0
	100	17.4	17.0
	110	17.4	17.0
	120	17.4	17.0
	130	17.4	17.0
	140	17.4	17.0
	150	17.4	17.0
	160	17.4	17.0
	170	17.4	17.0
	180	17.4	17.0
	190	17.4	17.0
	200	17.4	17.0
Tablet	210	17.4	17.0
Book	205	17.4	17.0
Tablet	206	17.4	17.0
	207	17.4	17.0
	208	17.4	17.0
	209	17.4	17.0
	210	17.4	17.0
	220	17.4	17.0
	230	17.4	17.0
	240	17.4	17.0
	250	17.4	17.0
	260	17.4	17.0
	270	17.4	17.0
	280	17.4	17.0
	290	17.4	17.0
	300	17.4	17.0
	310	17.4	17.0
	320	17.4	17.0
	330	17.4	17.0
	340	17.4	17.0
	350	17.4	17.0
	360	17.4	17.0

The lid is rotating from 360 to 0 degree. The screen is vertical, LCD direction to 90 or 270 degrees.

Mode	Angle	Power measured	
	(degree)	5GHz-Ch120(dBm)	
		AUX (1)	MAIN (2)
Tablet	360	17.4	17.0
	350	17.4	17.0
	340	17.4	17.0
	330	17.4	17.0
	320	17.4	17.0
	310	17.4	17.0
	300	17.4	17.0
	290	17.4	17.0
	280	17.4	17.0
	270	17.4	17.0
	260	17.4	17.0
	250	17.4	17.0
	240	17.4	17.0
	230	17.4	17.0
	220	17.4	17.0
	210	17.4	17.0
	200	17.4	17.0
Book	190	17.4	17.0
Tablet	195	17.4	17.0
Book	194	17.4	17.0
	193	17.4	17.0
	192	17.4	17.0
	191	17.4	17.0
	190	17.4	17.0
	180	17.4	17.0
	170	17.4	17.0
	160	17.4	17.0
	150	17.4	17.0
	140	17.4	17.0
	130	17.4	17.0
	120	17.4	17.0
	110	17.4	17.0
	100	17.4	17.0
	90	17.4	17.0
	80	17.4	17.0
	70	17.4	17.0
	60	17.4	17.0
	50	17.4	17.0
	40	17.4	17.0
	30	17.4	17.0
Lid close	20	Standby	Standby
Book	25	17.4	17.0
Lid close	24	Standby	Standby
	23	Standby	Standby
	22	Standby	Standby
	21	Standby	Standby
	20	Standby	Standby
	10	Standby	Standby
	0	Standby	Standby

B.2.3 LCD direction 180°

The lid is rotating from 360 degrees to 180 degrees. The screen is vertical, LCD direction to 180 degrees.
 Note: The LCD direction switch to 0 degrees for low angle.

Mode	Angle (degree)	Power measured 5GHz-Ch120(dBm)	
		AUX (1)	MAIN (2)
Tablet	360	17.4	17.0
	350	17.4	17.0
	340	17.4	17.0
Tent	330	17.4	17.0
Tablet	335	17.4	17.0
Tent	334	17.4	17.0
	333	17.4	17.0
	332	17.4	17.0
	331	17.4	17.0
	330	17.4	17.0
	320	17.4	17.0
	310	17.4	17.0
	300	17.4	17.0
	290	17.4	17.0
	280	17.4	17.0
	270	17.4	17.0
	260	17.4	17.0
	250	17.4	17.0
	240	17.4	17.0
	230	17.4	17.0
	220	17.4	17.0
	210	17.4	17.0
	200	17.4	17.0
Tablet	190	17.4	17.0
Tent	195	17.4	17.0
Tablet	194	17.4	17.0
	193	17.4	17.0
	192	17.4	17.0
	191	17.4	17.0
	190	17.4	17.0
	180	17.4	17.0

The lid is rotating from 180 degrees to 360 degrees. The screen is vertical, LCD direction to 180 degrees.
Note: The LCD direction switch to 0 degrees for low angle.

Mode	Angle (degree)	Power measured 5GHz-Ch120(dBm)	
		AUX (1)	MAIN (2)
Tablet	180	17.4	17.0
	190	17.4	17.0
Tent	200	17.4	17.0
Tablet	195	17.4	17.0
Tent	196	17.4	17.0
	197	17.4	17.0
	198	17.4	17.0
	199	17.4	17.0
	200	17.4	17.0
	210	17.4	17.0
	220	17.4	17.0
	230	17.4	17.0
	240	17.4	17.0
	250	17.4	17.0
	260	17.4	17.0
	270	17.4	17.0
	280	17.4	17.0
	290	17.4	17.0
	300	17.4	17.0
	310	17.4	17.0
	320	17.4	17.0
	330	17.4	17.0
Tablet	340	17.4	17.0
Tent	335	17.4	17.0
	336	17.4	17.0
	337	17.4	17.0
	338	17.4	17.0
	339	17.4	17.0
Tablet	340	17.4	17.0
	350	17.4	17.0
	360	17.4	17.0