

# FCC SAR TEST REPORT

FCC ID : RAS-MT7920  
Equipment : 2TX 11ax (WiFi6) BW80 + BT/BLE Combo Card  
Brand Name : MediaTek  
Model Name : MT7920  
Applicant : MEDIATEK Inc.  
No. 1, Dusing 1st Rd., Hsinchu Science Park  
Hsinchu City 30078 Taiwan  
Standard : FCC 47 CFR Part 2 (2.1093)

Equipment: MediaTek MT7920 tested inside of Lenovo Notebook Computer.

The product was received on Nov. 25, 2025 and testing was started from Nov. 26, 2025 and completed on Dec. 02, 2025. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



**Sporton International Inc. EMC & Wireless Communications Laboratory**



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## History of this test report

| Report No.  | Version | Description             | Issued Date   |
|-------------|---------|-------------------------|---------------|
| FA5O1609-06 | 01      | Initial issue of report | Jan. 05, 2026 |
|             |         |                         |               |
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|             |         |                         |               |
|             |         |                         |               |
|             |         |                         |               |
|             |         |                         |               |

## 1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for MEDIATEK Inc., 2TX 11ax (WiFi6) BW80 + BT/BLE Combo Card, MT7920, are as follows.

| Equipment Class  | Frequency Band | Highest SAR Summary     | Highest Body Simultaneous Transmission 1g SAR (W/kg) |
|------------------|----------------|-------------------------|------------------------------------------------------|
|                  |                | Body (Separation 0mm)   |                                                      |
|                  |                | 1g SAR (W/kg)           |                                                      |
| DTS              | 2.4GHz WLAN    | 1.13                    | 1.13                                                 |
| NII              | 5GHz WLAN      | 1.10                    | 1.10                                                 |
| DSS              | Bluetooth      | 0.63                    |                                                      |
| Date of Testing: |                | 2025/11/26 ~ 2025/12/02 |                                                      |

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body 1g SAR) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.

**Reviewed by: Jason Wang**

**Report Producer: Carlie Tsai**

## 2. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards, the below KDB standard may not including in the TAF code without accreditation.

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 616217 D04 SAR for laptop and tablets v01r02

### 3. Equipment Under Test (EUT) Information

#### 3.1 General Information

| Product Feature & Specification                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment Name                                                                                                                                                                                                                                                                                                                                                                                                                     | 2TX 11ax (WiFi6) BW80 + BT/BLE Combo Card                                                                                                                                                                                                                                                      |
| Brand Name                                                                                                                                                                                                                                                                                                                                                                                                                         | MediaTek                                                                                                                                                                                                                                                                                       |
| Model Name                                                                                                                                                                                                                                                                                                                                                                                                                         | MT7920                                                                                                                                                                                                                                                                                         |
| FCC ID                                                                                                                                                                                                                                                                                                                                                                                                                             | RAS-MT7920                                                                                                                                                                                                                                                                                     |
| Wireless Technology and Frequency Range                                                                                                                                                                                                                                                                                                                                                                                            | WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz<br>WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz<br>WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz<br>WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz<br>WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz<br>WLAN 5.9 GHz Band: 5850 MHz ~ 5895 MHz<br>Bluetooth: 2400 MHz ~ 2483.5 MHz |
| Mode                                                                                                                                                                                                                                                                                                                                                                                                                               | WLAN: 802.11a/b/g/n/ac/ax/be<br>HT20/HT40/VHT20/VHT40/VHT80/HE20/HE40/HE80/EHT20/EHT40/EHT80<br>Bluetooth BR/EDR/LE                                                                                                                                                                            |
| <b>Remark:</b> <ol style="list-style-type: none"> <li>This device has two antenna vendors; RF exposure evaluation selects HTK as the main test, Pulse will spot check worst case found in HTK.</li> <li>This device is a convertible type notebook PC, and there are two usage ways: Laptop and Tablet. When the end user uses a different mode, the device will limit the maximum power according to the current mode.</li> </ol> |                                                                                                                                                                                                                                                                                                |

| Host Information |                                                                                                                                                                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment Name   | Notebook Computer                                                                                                                                                                                                                                                              |
| Brand Name       | Lenovo                                                                                                                                                                                                                                                                         |
| Model Name       | IdeaPad 5 2-in-1 15AGP11*****(*=0~9, A~Z, a~z, "- " or blank, for marketing use only, with no impact on RF compliance of the product)<br>IdeaPad 5 2-in-1 15AHP11*****(*=0~9, A~Z, a~z, "- " or blank, for marketing use only, with no impact on RF compliance of the product) |
| EUT Stage        | Identical Prototype                                                                                                                                                                                                                                                            |

| Antenna Information |                 |                                    |                                   |                       |            |                 |                               |                              |                       |
|---------------------|-----------------|------------------------------------|-----------------------------------|-----------------------|------------|-----------------|-------------------------------|------------------------------|-----------------------|
| 1<br>HTK            | Ant. Type       | PIFA                               | connector                         | NA                    | 2<br>Pulse | Ant. Type       | PIFA                          | connector                    | NA                    |
|                     | Model No.       | Main:DC330033I00<br>(0ACCN025014N) | Aux:DC330033I10<br>(0ACCN025015N) |                       |            | Model No.       | Main:DC330033J00<br>(TZ3267D) | Aux:DC330033J10<br>(TZ3267E) |                       |
|                     | Peak Gain (dBi) |                                    |                                   |                       |            | Peak Gain (dBi) |                               |                              |                       |
|                     | 2400~2483.5MHz  | Main:2.16<br>Aux:2.45              | 5725~5850MHz                      | Main:2.52<br>Aux:2.23 |            | 2400~2483.5MHz  | Main:1.26<br>Aux:2.44         | 5725~5850MHz                 | Main:1.94<br>Aux:2.47 |
|                     | 5150~5250MHz    | Main:0.99<br>Aux:2.84              | 5850~5895MHz                      | Main:1.91<br>Aux:2.7  |            | 5150~5250MHz    | Main:2.82<br>Aux:1.93         | 5850~5895MHz                 | Main:1.68<br>Aux:1.7  |
|                     | 5250~5350MHz    | Main:2.34<br>Aux:2.44              | 5925~7125MHz                      | Main:2.46<br>Aux:2.64 |            | 5250~5350MHz    | Main:2.97<br>Aux:1.93         | 5925~7125MHz                 | Main:2.43<br>Aux:3.68 |
|                     | 5470~5725MHz    | Main:2.31<br>Aux:2.36              |                                   |                       |            | 5470~5725MHz    | Main:2.76<br>Aux:2.47         |                              |                       |

### 3.2 Sensor Triggering angle and power verification

**General Note:**

- The following guidance should be applied to laptops/tablets that use Hall Effect or gravity sensors to detect lid angle for the purpose of power reduction:

Step 1: With the lid is in closed mode (0 degrees), open the screen in 10 degree steps until laptop mode is obtained  
 Step 2: Lower the screen 5 degrees. Closed mode should be reobtained. If not keep lowering in 5 degree steps  
 Step 3: Open the screen in 1 degree steps until laptop mode is reobtained  
 Step 4: Continue opening the screen in 1 degree steps until at least 5 degrees past where laptop mode was obtained  
 Step 5: Then continue opening the screen in 10 degree steps until tablet mode is obtained  
 Step 6: Power measurements should be taken at each step  
 Step 7: Reverse this procedure going from tablet mode back down to closed mode

| when the screen angle is from 0 degree to 360 degree |           |  |          |          |          |          |          |          |
|------------------------------------------------------|-----------|--|----------|----------|----------|----------|----------|----------|
| Screen angle (degree)<br>v.s.<br>power               | Wireless  |  |          |          |          |          |          |          |
|                                                      | Band      |  | WLAN2.4G | WLAN5.2G | WLAN5.3G | WLAN5.5G | WLAN5.8G | WLAN5.9G |
|                                                      | Lid Close |  | 0        | standby  | standby  | standby  | standby  | standby  |
|                                                      |           |  | 10       | standby  | standby  | standby  | standby  | standby  |
|                                                      |           |  | 20       | standby  | standby  | standby  | standby  | standby  |
|                                                      |           |  | 25       | standby  | standby  | standby  | standby  | standby  |
|                                                      |           |  | 26       | standby  | standby  | standby  | standby  | standby  |
|                                                      |           |  | 27       | standby  | standby  | standby  | standby  | standby  |
|                                                      |           |  | 28       | standby  | standby  | standby  | standby  | standby  |
|                                                      |           |  | 29       | standby  | standby  | standby  | standby  | standby  |
|                                                      | Notebook  |  | 30       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 31       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 32       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 33       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 34       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 35       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 40       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 50       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 60       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 70       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 80       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 90       | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 100      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 110      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 120      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 125      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 126      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 127      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 128      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 129      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 130      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 131      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 132      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 133      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 134      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 135      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 140      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 150      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 160      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 170      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 180      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      |           |  | 190      | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    |
|                                                      | Tablet    |  | 200      | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    |



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|  |                                                                                            |     |       |       |       |       |       |       |
|--|--------------------------------------------------------------------------------------------|-----|-------|-------|-------|-------|-------|-------|
|  |                                                                                            | 210 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 220 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 230 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 240 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 250 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 260 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 270 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 280 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 290 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 300 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 310 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 320 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 330 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 340 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 350 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 360 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  | Tent mode<br>(Screen<br>orientation is<br>set to 180°<br>and base is<br>not<br>horizontal) | 195 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 196 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 197 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 198 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 199 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 200 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 201 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 202 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 203 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 204 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 205 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 210 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 220 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 230 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 240 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 250 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 260 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 270 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 280 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 290 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 300 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 310 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 320 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 330 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 335 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 336 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 337 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 338 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 339 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 340 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 341 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 342 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 343 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 344 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 345 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 350 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  | Stand mode<br>(Screen<br>orientation is<br>set to 180°<br>and base is                      | 195 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 196 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 197 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 198 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |



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|                 |     |         |         |         |         |         |         |
|-----------------|-----|---------|---------|---------|---------|---------|---------|
| not horizontal) | 199 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 200 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 201 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 202 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 203 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 204 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 205 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 210 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 220 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 230 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 240 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 250 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 260 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 270 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 280 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 290 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 300 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 310 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 320 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 330 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 335 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 336 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 337 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 338 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 339 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 340 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 341 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 342 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 343 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 344 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 345 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|                 | 350 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
| Lid Close       | 0   | standby | standby | standby | standby | standby | standby |
|                 | 10  | standby | standby | standby | standby | standby | standby |
|                 | 20  | standby | standby | standby | standby | standby | standby |
|                 | 25  | standby | standby | standby | standby | standby | standby |
|                 | 26  | standby | standby | standby | standby | standby | standby |
|                 | 27  | standby | standby | standby | standby | standby | standby |
|                 | 28  | standby | standby | standby | standby | standby | standby |
|                 | 29  | standby | standby | standby | standby | standby | standby |
| Notebook        | 30  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 31  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 32  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 33  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 34  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 35  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 40  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 50  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 60  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 70  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 80  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 90  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 100 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 110 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 120 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|                 | 130 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |

|  |        |     |       |       |       |       |       |       |
|--|--------|-----|-------|-------|-------|-------|-------|-------|
|  |        | 140 | 16.21 | 14.32 | 14.44 | 13.28 | 11.87 | 11.94 |
|  |        | 150 | 16.21 | 14.32 | 14.44 | 13.28 | 11.87 | 11.94 |
|  |        | 160 | 16.21 | 14.32 | 14.44 | 13.28 | 11.87 | 11.94 |
|  |        | 170 | 16.21 | 14.32 | 14.44 | 13.28 | 11.87 | 11.94 |
|  |        | 180 | 16.21 | 14.32 | 14.44 | 13.28 | 11.87 | 11.94 |
|  |        | 190 | 16.21 | 14.32 | 14.44 | 13.28 | 11.87 | 11.94 |
|  | Tablet | 195 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 196 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 197 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 198 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 199 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 200 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 201 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 202 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 203 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 204 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 205 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 210 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 220 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 230 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 240 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 250 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 260 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 270 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 280 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 290 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 300 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 310 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 320 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 330 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 340 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 350 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |        | 360 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |

| when the screen angle is from 0 degree to 360 degree |                |     |          |          |          |          |          |          |
|------------------------------------------------------|----------------|-----|----------|----------|----------|----------|----------|----------|
| Screen angle<br>(degree)<br>v.s.<br>power            | Wireless       |     |          |          |          |          |          |          |
|                                                      | Band           |     | WLAN2.4G | WLAN5.2G | WLAN5.3G | WLAN5.5G | WLAN5.8G | WLAN5.9G |
|                                                      | Tablet<br>Mode | 360 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 350 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 340 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 330 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 320 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 310 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 300 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 290 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 280 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 270 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 260 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 250 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 240 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 230 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 220 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 210 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 200 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      |                | 190 | 13.29    | 10.08    | 10.16    | 10.54    | 10.62    | 10.43    |
|                                                      | Notebook       | 180 | 16.21    | 14.32    | 14.44    | 13.28    | 11.87    | 11.94    |



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|  |                                                                                    |     |         |         |         |         |         |         |
|--|------------------------------------------------------------------------------------|-----|---------|---------|---------|---------|---------|---------|
|  |                                                                                    | 170 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 160 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 150 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 140 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 135 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 134 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 133 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 132 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 131 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 130 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 129 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 128 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 127 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 126 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 125 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 120 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 110 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 100 | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 90  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 80  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 70  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 60  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 50  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 40  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 35  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 34  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 33  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 32  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 31  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  |                                                                                    | 30  | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|  | Lid Close                                                                          | 29  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 28  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 27  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 26  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 25  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 20  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 10  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 0   | standby | standby | standby | standby | standby | standby |
|  | Tablet                                                                             | 360 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 350 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  | Stand mode<br>(Screen<br>orientation is<br>set to 0° and<br>base is<br>horizontal) | 345 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 344 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 343 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 342 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 341 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 340 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 339 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 338 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 337 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 336 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 335 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 330 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 320 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 310 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 300 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|  |                                                                                    | 290 | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |



|  |                                                                                            |     |       |       |       |       |       |       |
|--|--------------------------------------------------------------------------------------------|-----|-------|-------|-------|-------|-------|-------|
|  |                                                                                            | 280 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 270 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 260 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 250 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 240 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 230 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 220 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 210 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 205 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 204 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 203 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 202 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 201 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 200 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 199 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 198 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 197 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 196 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 195 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  | Tablet                                                                                     | 360 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 350 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  | Tent mode<br>(Screen<br>orientation is<br>set to 180°<br>and base is<br>not<br>horizontal) | 345 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 344 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 343 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 342 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 341 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 340 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 339 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 338 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 337 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 336 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 335 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 330 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 320 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 310 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 300 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 290 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 280 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 270 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 260 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 250 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 240 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 230 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 220 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 210 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 205 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 204 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 203 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 202 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 201 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 200 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 199 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 198 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 197 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 196 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |
|  |                                                                                            | 195 | 13.29 | 10.08 | 10.16 | 10.54 | 10.62 | 10.43 |



# FCC SAR TEST REPORT

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|    |           |         |         |         |         |         |         |         |
|----|-----------|---------|---------|---------|---------|---------|---------|---------|
|    | Tablet    | 360     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 350     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 340     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 330     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 320     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 310     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 300     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 290     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 280     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 270     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 260     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 250     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 240     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 230     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 220     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 210     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 205     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 204     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 203     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 202     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 201     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 200     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 199     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 198     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    |           | 197     | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |
|    | 196       | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |         |
|    | 195       | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |         |
|    | 190       | 13.29   | 10.08   | 10.16   | 10.54   | 10.62   | 10.43   |         |
|    | Notebook  | 180     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 170     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 160     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 150     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 140     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 130     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 120     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 110     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 100     | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 90      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 80      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 70      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 60      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 50      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 40      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 35      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 34      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 33      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 32      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    |           | 31      | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |
|    | 30        | 16.21   | 14.32   | 14.44   | 13.28   | 11.87   | 11.94   |         |
|    | Lid Close | 29      | standby | standby | standby | standby | standby | standby |
| 25 |           | standby | standby | standby | standby | standby | standby |         |
| 27 |           | standby | standby | standby | standby | standby | standby |         |
| 26 |           | standby | standby | standby | standby | standby | standby |         |
| 25 |           | standby | standby | standby | standby | standby | standby |         |
| 20 |           | standby | standby | standby | standby | standby | standby |         |
| 10 |           | standby | standby | standby | standby | standby | standby |         |



# FCC SAR TEST REPORT

Report No. : FA501609-06

|  |  |   |         |         |         |         |         |         |
|--|--|---|---------|---------|---------|---------|---------|---------|
|  |  | 0 | standby | standby | standby | standby | standby | standby |
|--|--|---|---------|---------|---------|---------|---------|---------|

| when the screen angle is from 0 degree to 360 degree |           |       |          |          |          |          |          |          |         |
|------------------------------------------------------|-----------|-------|----------|----------|----------|----------|----------|----------|---------|
| Screen angle<br>(degree)<br>v.s.<br>power            | Wireless  |       |          |          |          |          |          |          |         |
|                                                      | Band      |       | WLAN2.4G | WLAN5.2G | WLAN5.3G | WLAN5.5G | WLAN5.8G | WLAN5.9G |         |
|                                                      | Lid Close | 0     | standby  | standby  | standby  | standby  | standby  | standby  | standby |
|                                                      |           | 10    | standby  | standby  | standby  | standby  | standby  | standby  | standby |
|                                                      |           | 20    | standby  | standby  | standby  | standby  | standby  | standby  | standby |
|                                                      |           | 25    | standby  | standby  | standby  | standby  | standby  | standby  | standby |
|                                                      |           | 26    | standby  | standby  | standby  | standby  | standby  | standby  | standby |
|                                                      |           | 27    | standby  | standby  | standby  | standby  | standby  | standby  | standby |
|                                                      |           | 28    | standby  | standby  | standby  | standby  | standby  | standby  | standby |
|                                                      |           | 29    | standby  | standby  | standby  | standby  | standby  | standby  | standby |
|                                                      | Notebook  | 30    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 31    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 32    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 33    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 34    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 35    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 40    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 50    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 60    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 70    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 80    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 90    | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 100   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 110   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 120   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 125   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 126   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 127   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 128   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 129   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 130   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
|                                                      |           | 131   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |         |
| 132                                                  |           | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |         |
| 133                                                  |           | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |         |
| 134                                                  |           | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |         |
| 135                                                  |           | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |         |
| 140                                                  |           | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |         |
| 150                                                  |           | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |         |
| 160                                                  |           | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |         |
| 170                                                  |           | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |         |
| 180                                                  | 16.23     | 13.25 | 13.46    | 13.75    | 11.48    | 11.56    |          |          |         |
| 190                                                  | 16.23     | 13.25 | 13.46    | 13.75    | 11.48    | 11.56    |          |          |         |
| Tablet                                               | 200       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 210       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 220       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 230       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 240       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 250       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 260       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 270       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 280       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 290       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |
|                                                      | 300       | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |         |



# FCC SAR TEST REPORT

Report No. : FA5O1609-06

|  |                                                                              |     |       |       |       |       |       |       |
|--|------------------------------------------------------------------------------|-----|-------|-------|-------|-------|-------|-------|
|  |                                                                              | 310 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 320 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 330 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 340 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 350 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 360 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  | Tent mode<br>(Screen orientation is set to 180° and base is not horizontal)  | 195 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 196 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 197 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 198 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 199 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 200 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 201 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 202 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 203 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 204 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 205 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 210 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 220 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 230 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 240 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 250 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 260 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 270 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 280 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 290 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 300 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 310 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 320 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 330 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 335 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 336 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 337 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 338 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 339 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 340 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 341 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 342 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 343 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 344 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 345 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 350 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  | Stand mode<br>(Screen orientation is set to 180° and base is not horizontal) | 195 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 196 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 197 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 198 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 199 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 200 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 201 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 202 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 203 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 204 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 205 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 210 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 220 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                              | 230 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |



|  |           |     |         |         |         |         |         |         |
|--|-----------|-----|---------|---------|---------|---------|---------|---------|
|  |           | 240 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 250 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 260 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 270 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 280 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 290 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 300 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 310 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 320 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 330 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 335 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 336 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 337 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 338 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 339 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 340 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 341 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 342 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 343 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 344 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 345 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  | Lid Close | 350 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 0   | standby | standby | standby | standby | standby | standby |
|  |           | 10  | standby | standby | standby | standby | standby | standby |
|  |           | 20  | standby | standby | standby | standby | standby | standby |
|  |           | 25  | standby | standby | standby | standby | standby | standby |
|  |           | 26  | standby | standby | standby | standby | standby | standby |
|  |           | 27  | standby | standby | standby | standby | standby | standby |
|  |           | 28  | standby | standby | standby | standby | standby | standby |
|  |           | 29  | standby | standby | standby | standby | standby | standby |
|  | Notebook  | 30  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 31  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 32  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 33  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 34  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 35  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 40  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 50  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 60  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 70  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 80  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 90  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 100 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 110 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 120 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 130 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 140 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 150 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 160 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 170 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 180 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 190 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  | Tablet    | 195 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 196 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 197 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 198 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |



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|  |  |     |       |       |       |       |       |       |
|--|--|-----|-------|-------|-------|-------|-------|-------|
|  |  | 199 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 200 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 201 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 202 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 203 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 204 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 205 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 210 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 220 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 230 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 240 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 250 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 260 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 270 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 280 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 290 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 300 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 310 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 320 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 330 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 340 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 350 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |  | 360 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |

| when the screen angle is from 0 degree to 360 degree |                |       |          |          |          |          |          |          |
|------------------------------------------------------|----------------|-------|----------|----------|----------|----------|----------|----------|
| Screen angle<br>(degree)<br>v.s.<br>power            | Wireless       |       |          |          |          |          |          |          |
|                                                      | Band           |       | WLAN2.4G | WLAN5.2G | WLAN5.3G | WLAN5.5G | WLAN5.8G | WLAN5.9G |
|                                                      | Tablet<br>Mode | 360   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 350   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 340   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 330   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 320   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 310   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 300   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 290   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 280   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 270   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 260   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 250   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 240   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 230   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 220   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      |                | 210   | 13.42    | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |
|                                                      | 200            | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |
|                                                      | 190            | 13.42 | 10.45    | 10.58    | 10.61    | 10.67    | 10.72    |          |
|                                                      | Notebook       | 180   | 16.23    | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |
| 170                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 160                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 150                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 140                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 135                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 134                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 133                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 132                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 131                                                  |                | 16.23 | 13.25    | 13.46    | 13.75    | 11.48    | 11.56    |          |
| 130                                                  | 16.23          | 13.25 | 13.46    | 13.75    | 11.48    | 11.56    |          |          |



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|  |                                                                                    |     |         |         |         |         |         |         |
|--|------------------------------------------------------------------------------------|-----|---------|---------|---------|---------|---------|---------|
|  |                                                                                    | 129 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 128 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 127 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 126 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 125 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 120 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 110 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 100 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 90  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 80  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 70  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 60  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 50  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 40  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 35  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 34  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 33  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 32  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 31  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |                                                                                    | 30  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  | Lid Close                                                                          | 29  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 28  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 27  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 26  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 25  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 20  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 10  | standby | standby | standby | standby | standby | standby |
|  |                                                                                    | 0   | standby | standby | standby | standby | standby | standby |
|  | Tablet                                                                             | 360 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 350 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  | Stand mode<br>(Screen<br>orientation is<br>set to 0° and<br>base is<br>horizontal) | 345 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 344 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 343 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 342 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 341 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 340 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 339 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 338 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 337 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 336 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 335 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 330 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 320 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 310 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 300 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 290 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 280 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 270 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 260 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 250 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 240 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 230 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 220 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 210 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 205 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |                                                                                    | 204 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |



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|  |                                                                                            |     |       |       |       |       |       |       |
|--|--------------------------------------------------------------------------------------------|-----|-------|-------|-------|-------|-------|-------|
|  |                                                                                            | 203 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 202 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 201 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 200 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 199 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 198 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 197 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 196 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 195 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  | Tablet                                                                                     | 360 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 350 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  | Tent mode<br>(Screen<br>orientation is<br>set to 180°<br>and base is<br>not<br>horizontal) | 345 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 344 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 343 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 342 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 341 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 340 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 339 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 338 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 337 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 336 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 335 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 330 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 320 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 310 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 300 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 290 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 280 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 270 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 260 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 250 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 240 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 230 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 220 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 210 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 205 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 204 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 203 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 202 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 201 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 200 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 199 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 198 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 197 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 196 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 195 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  | Tablet                                                                                     | 360 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 350 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 340 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 330 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 320 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 310 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 300 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 290 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 280 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |
|  |                                                                                            | 270 | 13.42 | 10.45 | 10.58 | 10.61 | 10.67 | 10.72 |



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|  |           |     |         |         |         |         |         |         |
|--|-----------|-----|---------|---------|---------|---------|---------|---------|
|  |           | 260 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 250 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 240 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 230 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 220 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 210 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 205 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 204 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 203 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 202 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 201 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 200 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 199 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 198 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 197 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 196 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 195 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  |           | 190 | 13.42   | 10.45   | 10.58   | 10.61   | 10.67   | 10.72   |
|  | Notebook  | 180 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 170 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 160 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 150 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 140 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 130 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 120 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 110 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 100 | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 90  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 80  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 70  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 60  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 50  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 40  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 35  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 34  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 33  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 32  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 31  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  |           | 30  | 16.23   | 13.25   | 13.46   | 13.75   | 11.48   | 11.56   |
|  | Lid Close | 29  | standby | standby | standby | standby | standby | standby |
|  |           | 25  | standby | standby | standby | standby | standby | standby |
|  |           | 27  | standby | standby | standby | standby | standby | standby |
|  |           | 26  | standby | standby | standby | standby | standby | standby |
|  |           | 25  | standby | standby | standby | standby | standby | standby |
|  |           | 20  | standby | standby | standby | standby | standby | standby |
|  |           | 10  | standby | standby | standby | standby | standby | standby |
|  |           | 0   | standby | standby | standby | standby | standby | standby |

## **4. RF Exposure Limits**

### **4.1 Uncontrolled Environment**

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

### **4.2 Controlled Environment**

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. The exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

**Limits for Occupational/Controlled Exposure (W/kg)**

| Whole-Body | Partial-Body | Hands, Wrists, Feet and Ankles |
|------------|--------------|--------------------------------|
| 0.4        | 8.0          | 20.0                           |

**Limits for General Population/Uncontrolled Exposure (W/kg)**

| Whole-Body | Partial-Body | Hands, Wrists, Feet and Ankles |
|------------|--------------|--------------------------------|
| 0.08       | 1.6          | 4.0                            |

1. Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

## **5. Specific Absorption Rate (SAR)**

### **5.1 Introduction**

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

### **5.2 SAR Definition**

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density ( $\rho$ ). The equation description is as below:

$$SAR = \frac{d}{dt} \left( \frac{dW}{dm} \right) = \frac{d}{dt} \left( \frac{dW}{\rho dv} \right)$$

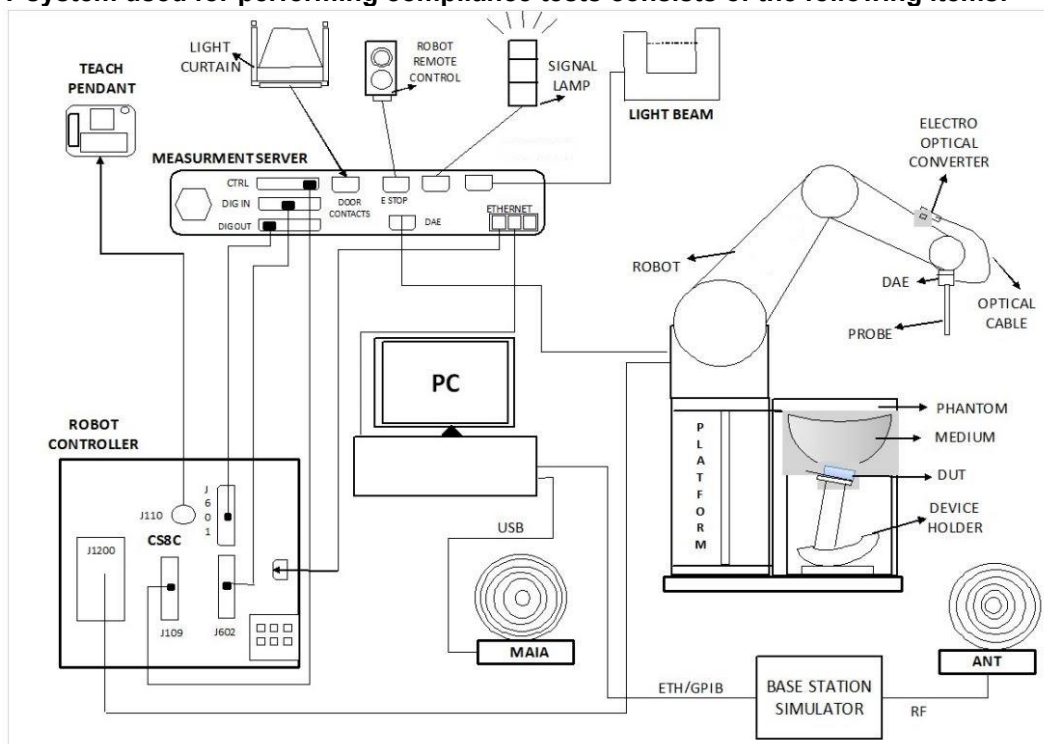
SAR is expressed in units of Watts per kilogram (W/kg)

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where:  $\sigma$  is the conductivity of the tissue,  $\rho$  is the mass density of the tissue and E is the RMS electrical field strength.

## 6. System Description and Setup

The DASY system used for performing compliance tests consists of the following items:



- The DASY system in SAR Configuration is shown above
- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running windows software and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

### 6.1 Test Site Location

The SAR measurement facilities used to collect data are within both Sporton Lab list below test site location are accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190 and 3786) and the FCC designation No. TW1190 and TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

| Laboratory         | EMC & Wireless Communications Laboratory                               |          | Wensan Laboratory                                                                             |          |          |          |          |
|--------------------|------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------|----------|----------|----------|----------|
| Test Site Location | <b>TW1190</b><br>No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333 |          | <b>TW3786</b><br>No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010 |          |          |          |          |
| Test Site No.      | SAR01-HY                                                               | SAR03-HY | SAR08-HY                                                                                      | SAR09-HY | SAR15-HY | SAR18-HY | SAR21-HY |
|                    | SAR04-HY                                                               | SAR05-HY | SAR11-HY                                                                                      | SAR12-HY | SAR16-HY | SAR19-HY | SAR22-HY |
|                    | SAR06-HY                                                               | SAR10-HY | SAR13-HY                                                                                      | SAR14-HY | SAR17-HY | SAR20-HY |          |

## 6.2 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

### < ES3DV3 Probe >

|                      |                                                                                                                                                                                  |                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Construction</b>  | Symmetric design with triangular core<br>Interleaved sensors<br>Built-in shielding against static charges<br>PEEK enclosure material (resistant to organic solvents, e.g., DGBE) |  |
| <b>Frequency</b>     | 4 MHz – 4 GHz;<br>Linearity: $\pm 0.2$ dB (30 MHz – 4 GHz)                                                                                                                       |                                                                                    |
| <b>Directivity</b>   | $\pm 0.2$ dB in TSL (rotation around probe axis)<br>$\pm 0.3$ dB in TSL (rotation normal to probe axis)                                                                          |                                                                                    |
| <b>Dynamic Range</b> | 5 $\mu$ W/g – > 100 mW/g;<br>Linearity: $\pm 0.2$ dB                                                                                                                             |                                                                                    |
| <b>Dimensions</b>    | Overall length: 337 mm (tip: 20 mm)<br>Tip diameter: 3.9 mm (body: 12 mm)<br>Distance from probe tip to dipole centers: 3.0 mm                                                   |                                                                                    |

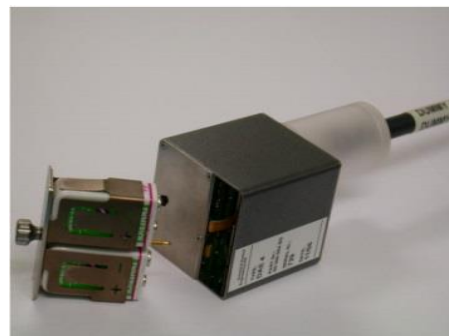
### < EX3DV4 Probe >

|                      |                                                                                                                                                           |                                                                                      |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Construction</b>  | Symmetric design with triangular core<br>Built-in shielding against static charges<br>PEEK enclosure material (resistant to organic solvents, e.g., DGBE) |  |
| <b>Frequency</b>     | 4 MHz – > 6 GHz<br>Linearity: $\pm 0.2$ dB (30 MHz – 6 GHz)                                                                                               |                                                                                      |
| <b>Directivity</b>   | $\pm 0.3$ dB in TSL (rotation around probe axis)<br>$\pm 0.5$ dB in TSL (rotation normal to probe axis)                                                   |                                                                                      |
| <b>Dynamic Range</b> | 10 $\mu$ W/g – > 100 mW/g<br>Linearity: $\pm 0.2$ dB (noise: typically < 1 $\mu$ W/g)                                                                     |                                                                                      |
| <b>Dimensions</b>    | Overall length: 337 mm (tip: 20 mm)<br>Tip diameter: 2.5 mm (body: 12 mm)<br>Typical distance from probe tip to dipole centers: 1 mm                      |                                                                                      |

## 6.3 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



**Fig 5.1 Photo of DAE**

## 6.4 Phantom

### < SAM Twin Phantom >

|                          |                                                         |                                                                                    |
|--------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Shell Thickness</b>   | 2 ± 0.2 mm;<br>Center ear point: 6 ± 0.2 mm             |  |
| <b>Filling Volume</b>    | Approx. 25 liters                                       |                                                                                    |
| <b>Dimensions</b>        | Length: 1000 mm; Width: 500 mm; Height: adjustable feet |                                                                                    |
| <b>Measurement Areas</b> | Left Hand, Right Hand, Flat Phantom                     |                                                                                    |

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

### < ELI Phantom >

|                        |                                                  |                                                                                     |
|------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Shell Thickness</b> | 2 ± 0.2 mm (sagging: < 1%)                       |  |
| <b>Filling Volume</b>  | Approx. 30 liters                                |                                                                                     |
| <b>Dimensions</b>      | Major ellipse axis: 600 mm<br>Minor axis: 400 mm |                                                                                     |

The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

## **6.5 Device Holder**

### **< Mounting Device for Hand-Held Transmitter >**

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.



Mounting Device for Hand-Held Transmitters



Mounting Device Adaptor for Wide-Phones

### **< Mounting Device for Laptops and other Body-Worn Transmitters >**

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.



Mounting Device for Laptops

## **7. Measurement Procedures**

The measurement procedures are as follows:

- (a) Configure the device RF transmitters to be in continuous transmission mode., at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix D demonstrates.
- (c) Set scan area, grid size and other setting on the DASY software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

### **7.1 Spatial Peak SAR Evaluation**

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

## **7.2 Power Reference Measurement**

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

## **7.3 Area Scan**

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB0) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

Area scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

|                                                                                                        | $\leq 3$ GHz                                                                                                                                                                                                                                                           | $> 3$ GHz                                              |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface | $5 \pm 1$ mm                                                                                                                                                                                                                                                           | $\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm     |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location              | $30^\circ \pm 1^\circ$                                                                                                                                                                                                                                                 | $20^\circ \pm 1^\circ$                                 |
| Maximum area scan spatial resolution: $\Delta x_{Area}$ , $\Delta y_{Area}$                            | $\leq 2$ GHz: $\leq 15$ mm<br>$2 - 3$ GHz: $\leq 12$ mm                                                                                                                                                                                                                | $3 - 4$ GHz: $\leq 12$ mm<br>$4 - 6$ GHz: $\leq 10$ mm |
|                                                                                                        | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device. |                                                        |

### 7.4 Zoom Scan

Zoom scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 gram and 10 gram of simulated tissue. The zoom scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the zoom scan evaluates the averaged SAR for 1 gram and 10 gram and displays these values next to the job's label.

Zoom scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

|                                                                                                                                                                                                                                                                                                             |                                           |                                                                                             | $\leq 3$ GHz                                         | $> 3$ GHz                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------|
| Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$                                                                                                                                                                                                                      |                                           |                                                                                             | $\leq 2$ GHz: $\leq 8$ mm<br>2 – 3 GHz: $\leq 5$ mm* | 3 – 4 GHz: $\leq 5$ mm*<br>4 – 6 GHz: $\leq 4$ mm*                            |
| Maximum zoom scan spatial resolution, normal to phantom surface                                                                                                                                                                                                                                             | uniform grid: $\Delta z_{\text{Zoom}}(n)$ |                                                                                             | $\leq 5$ mm                                          | 3 – 4 GHz: $\leq 4$ mm<br>4 – 5 GHz: $\leq 3$ mm<br>5 – 6 GHz: $\leq 2$ mm    |
|                                                                                                                                                                                                                                                                                                             | graded grid                               | $\Delta z_{\text{Zoom}}(1)$ : between 1 <sup>st</sup> two points closest to phantom surface | $\leq 4$ mm                                          | 3 – 4 GHz: $\leq 3$ mm<br>4 – 5 GHz: $\leq 2.5$ mm<br>5 – 6 GHz: $\leq 2$ mm  |
|                                                                                                                                                                                                                                                                                                             |                                           | $\Delta z_{\text{Zoom}}(n>1)$ : between subsequent points                                   | $\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$         |                                                                               |
| Minimum zoom scan volume                                                                                                                                                                                                                                                                                    | x, y, z                                   |                                                                                             | $\geq 30$ mm                                         | 3 – 4 GHz: $\geq 28$ mm<br>4 – 5 GHz: $\geq 25$ mm<br>5 – 6 GHz: $\geq 22$ mm |
| Note: $\delta$ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.                                                                                                                                                           |                                           |                                                                                             |                                                      |                                                                               |
| * When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is $\leq 1.4$ W/kg, $\leq 8$ mm, $\leq 7$ mm and $\leq 5$ mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz. |                                           |                                                                                             |                                                      |                                                                               |

### 7.5 Volume Scan Procedures

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

### 7.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASYS measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

## 8. Test Equipment List

| Manufacturer  | Name of Equipment                         | Type/Model      | Serial Number | Last Cal.     | Due Date      |
|---------------|-------------------------------------------|-----------------|---------------|---------------|---------------|
| SPEAG         | 2450MHz System Validation Kit             | D2450V2         | 806           | Mar. 13, 2025 | Mar. 12, 2026 |
| SPEAG         | 5GHz System Validation Kit <sup>(2)</sup> | D5GHzV2         | 1171          | Apr. 19, 2024 | Apr. 17, 2026 |
| SPEAG         | Data Acquisition Electronics              | DAE4            | 854           | Sep. 09, 2025 | Sep. 08, 2026 |
| SPEAG         | Dosimetric E-Field Probe                  | EX3DV4          | 7439          | Jul. 28, 2025 | Jul. 27, 2026 |
| SPEAG         | Dielectric Probe Kit                      | DAK-3.5         | 1270          | May. 19, 2025 | May. 18, 2026 |
| Testo         | Hygro meter                               | 608-H1          | 45196600      | Nov. 04, 2025 | Nov. 03, 2026 |
| Testo         | Hygro meter                               | 608-H1          | 45142597      | Jan. 09, 2025 | Jan. 08, 2026 |
| R&S           | BT Base Station                           | CBT             | 100815        | Feb. 26, 2025 | Feb. 25, 2026 |
| SPEAG         | Device Holder                             | N/A             | N/A           | N/A           | N/A           |
| Anritsu       | Signal Generator                          | MG3710A         | 6201502524    | Sep. 24, 2025 | Sep. 23, 2026 |
| Keysight      | ENA Network Analyzer                      | E5071C          | MY46104758    | Oct. 14, 2025 | Oct. 13, 2026 |
| LINE SEIKI    | Digital Thermometer                       | DTM3000-spezial | 3902          | Feb. 19, 2025 | Feb. 18, 2026 |
| Anritsu       | Power Meter                               | ML2496A         | 2119003       | Jul. 14, 2025 | Jul. 13, 2026 |
| R&S           | Power Sensor                              | NRP8S           | 109687        | Sep. 22, 2025 | Sep. 21, 2026 |
| Anritsu       | Spectrum Analyzer                         | N9010A          | MY53470118    | Sep. 09, 2025 | Sep. 08, 2026 |
| Mini-Circuits | Power Amplifier                           | ZVE-8G+         | D120604       | Oct. 17, 2025 | Oct. 16, 2026 |
| ATM           | Dual Directional Coupler                  | C122H-10        | P610410z-02   | Note 1        |               |
| Warison       | Directional Coupler                       | WCOU-10-50S-10  | WR889BMC4B1   | Note 1        |               |
| Woken         | Attenuator 1                              | WK0602-XX       | N/A           | Note 1        |               |
| PE            | Attenuator 2                              | PE7005-10       | N/A           | Note 1        |               |
| PE            | Attenuator 3                              | PE7005- 3       | N/A           | Note 1        |               |

**General Note:**

1. Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check source.
2. The dipole calibration interval can be extended to 3 years with justification according to KDB 865664 D01. The dipoles are also not physically damaged, or repaired during the interval. The justification data in appendix C can be found which the return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration for each dipole.

## 9. System Verification

### 9.1 Tissue Verification

The tissue dielectric parameters of tissue-equivalent media used for SAR measurements must be characterized within a temperature range of 18°C to 25°C, measured with calibrated instruments and apparatuses, such as network analyzers and temperature probes. The temperature of the tissue-equivalent medium during SAR measurement must also be within 18°C to 25°C and within  $\pm 2^\circ\text{C}$  of the temperature when the tissue parameters are characterized. The tissue dielectric measurement system must be calibrated before use. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements.

The liquid tissue depth was at least 15cm in the phantom for all SAR testing

The SPEAG Dasy Measurement system implement a SAR error compensation algorithm as documented in IEEE Std 1528-2013 to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, according to KDB 865664 D01 and IEC/IEEE 62209-1528, the tolerance for “Delta ( $\sigma$ )” and “Delta ( $\epsilon_r$ )” can be relaxed to  $\pm 10\%$

#### < Tissue Dielectric Parameter Check Results >

| Frequency (MHz) | Liquid Temp (°C) | Conductivity ( $\sigma$ ) | Permittivity ( $\epsilon_r$ ) | Conductivity Target ( $\sigma$ ) | Permittivity Target ( $\epsilon_r$ ) | Delta ( $\sigma$ ) (%) | Delta ( $\epsilon_r$ ) (%) | Limit (%)  | Date       |
|-----------------|------------------|---------------------------|-------------------------------|----------------------------------|--------------------------------------|------------------------|----------------------------|------------|------------|
| 2450            | 22.5             | 1.86                      | 41.3                          | 1.8                              | 39.2                                 | 3.33                   | 5.36                       | $\pm 10.0$ | 2025-11-26 |
| 2450            | 22.4             | 1.85                      | 41.4                          | 1.8                              | 39.2                                 | 2.78                   | 5.61                       | $\pm 10.0$ | 2025-11-29 |
| 5250            | 22.5             | 4.48                      | 36.2                          | 4.71                             | 35.95                                | -4.88                  | 0.70                       | $\pm 10.0$ | 2025-11-26 |
| 5250            | 22.5             | 4.48                      | 36.4                          | 4.71                             | 35.95                                | -4.88                  | 1.25                       | $\pm 10.0$ | 2025-11-30 |
| 5600            | 22.3             | 4.85                      | 35.6                          | 5.07                             | 35.5                                 | -4.34                  | 0.28                       | $\pm 10.0$ | 2025-11-27 |
| 5600            | 22.6             | 4.84                      | 35.7                          | 5.07                             | 35.5                                 | -4.54                  | 0.56                       | $\pm 10.0$ | 2025-12-01 |
| 5800            | 22.7             | 5.07                      | 35.3                          | 5.27                             | 35.3                                 | -3.80                  | 0.00                       | $\pm 10.0$ | 2025-11-28 |
| 5800            | 22.6             | 5.06                      | 35.4                          | 5.27                             | 35.3                                 | -3.98                  | 0.28                       | $\pm 10.0$ | 2025-12-02 |

## 9.2 System Performance Check Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

| Test Site | Date       | Frequency (MHz) | Input Power (mW) | Dipole S/N     | Probe S/N       | DAE S/N    | Measured 1g SAR (W/kg) | Targeted 1g SAR (W/kg) | Normalized 1g SAR (W/kg) | Deviation (%) | Measured 10g SAR (W/kg) | Targeted 10g SAR (W/kg) | Normalized 10g SAR (W/kg) | Deviation (%) |
|-----------|------------|-----------------|------------------|----------------|-----------------|------------|------------------------|------------------------|--------------------------|---------------|-------------------------|-------------------------|---------------------------|---------------|
| SAR05     | 2025-11-26 | 2450            | 50.00            | D2450V2 - 806  | EX3DV4 - SN7439 | DAE4 Sn854 | 2.620                  | 52.900                 | 52.400                   | -0.95         | 1.220                   | 24.700                  | 24.400                    | -1.21         |
| SAR05     | 2025-11-29 | 2450            | 50.00            | D2450V2 - 806  | EX3DV4 - SN7439 | DAE4 Sn854 | 2.630                  | 52.900                 | 52.600                   | -0.57         | 1.240                   | 24.700                  | 24.800                    | 0.40          |
| SAR05     | 2025-11-26 | 5250            | 50.00            | D5GHzV2 - 1171 | EX3DV4 - SN7439 | DAE4 Sn854 | 3.710                  | 78.700                 | 74.200                   | -5.72         | 1.060                   | 22.700                  | 21.200                    | -6.61         |
| SAR05     | 2025-11-30 | 5250            | 50.00            | D5GHzV2 - 1171 | EX3DV4 - SN7439 | DAE4 Sn854 | 3.750                  | 78.700                 | 75.000                   | -4.70         | 1.070                   | 22.700                  | 21.400                    | -5.73         |
| SAR05     | 2025-11-27 | 5600            | 50.00            | D5GHzV2 - 1171 | EX3DV4 - SN7439 | DAE4 Sn854 | 4.210                  | 81.400                 | 84.200                   | 3.44          | 1.190                   | 23.400                  | 23.800                    | 1.71          |
| SAR05     | 2025-12-01 | 5600            | 50.00            | D5GHzV2 - 1171 | EX3DV4 - SN7439 | DAE4 Sn854 | 4.140                  | 81.400                 | 82.800                   | 1.72          | 1.170                   | 23.400                  | 23.400                    | 0.00          |
| SAR05     | 2025-11-28 | 5800            | 50.00            | D5GHzV2 - 1171 | EX3DV4 - SN7439 | DAE4 Sn854 | 4.130                  | 78.900                 | 82.600                   | 4.69          | 1.160                   | 22.400                  | 23.200                    | 3.57          |
| SAR05     | 2025-12-02 | 5800            | 50.00            | D5GHzV2 - 1171 | EX3DV4 - SN7439 | DAE4 Sn854 | 3.980                  | 78.900                 | 79.600                   | 0.89          | 1.120                   | 22.400                  | 22.400                    | 0.00          |

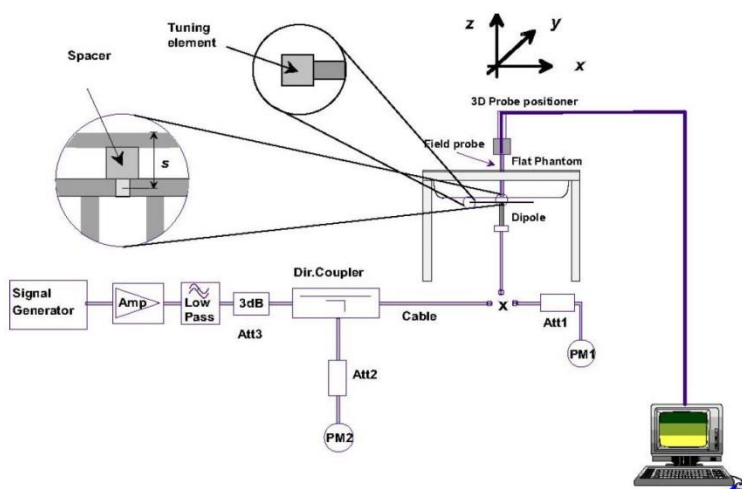


Fig 8.3.1 System Performance Check Setup



Fig 8.3.2 Setup Photo

## 10. RF Exposure Positions

### 10.1 SAR Testing for Tablet

This device can be used also in full sized tablet exposure conditions, due to its size. Per FCC KDB 616217, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR exclusion threshold in KDB 447498 D01v06 can be applied to determine SAR test exclusion for adjacent edge configurations. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

## **11. WiFi/Bluetooth Output Power (Unit: dBm)**

### **General Note:**

1. For each antenna, transmit power in SISO operation is larger than (or equal to) the power in MIMO operation, RF exposure compliance of MIMO mode can be deduced from the compliance simultaneous transmission of antennas operating in SISO mode.
2. Per KDB 248227 D01v02r02, the simultaneous SAR provisions in KDB publication 447498 should be applied to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1g single transmission chain SAR measurements is  $< 1.6\text{W/kg}$  and SAR peak to location ratio  $\leq 0.04$ , no additional SAR measurements for MIMO.
3. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, additional output power measurements were not necessary.
4. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
5. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
6. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
7. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. 18 The initial test position procedure is described in the following:
  - a. When the reported SAR of the initial test position is  $\leq 0.4\text{ W/kg}$ , further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
  - b. When the reported SAR of the test position is  $> 0.4\text{ W/kg}$ , SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closest/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is  $\leq 0.8\text{ W/kg}$  or all required test position are tested.
  - c. For all positions/configurations, when the reported SAR is  $> 0.8\text{ W/kg}$ , SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is  $\leq 1.2\text{ W/kg}$  or all required channels are tested.
8. Per 201904 TCBC workshops, General principles of FCC KDB Publication 248227 D01 can be applied to determine the SAR Initial Test Configurations and test reduction for 802.11ax SAR testing. For the table below the 802.11ax maximum power is SU (non-OFDMA), and the SU maximum power also higher than RU (OFDMA)
9. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing
10. For modes with the same maximum output power, the guidance from section 5.3.2 a) of FCC KDB Publication 248227 D01 should be applied, with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency bands
11. When SAR testing for 802.11ax is required
  - a. If the maximum output power is highest for OFDMA scenarios, choose the tone size with the maximum number of tones and the highest maximum output power
  - b. Otherwise, consider the fully allocated channel for SAR testing
  - c. When SAR testing is required on RU sizes less than the fully allocated channel, use the RU number closest to the middle of the channel, choosing the higher RU number when two RUs are equidistant to the middle of the channel

**【2.4GHz WLAN\_Main\_Laptop】**

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11b 1Mbps       | 1       | 2412            | Not Required             | 17.00              | Not Required      |
| 802.11b 1Mbps       | 6       | 2437            | Not Required             | 17.00              | Not Required      |
| 802.11b 1Mbps       | 11      | 2462            | Not Required             | 17.00              | Not Required      |
| 802.11b 1Mbps       | 12      | 2467            | Not Required             | 16.50              | Not Required      |
| 802.11b 1Mbps       | 13      | 2472            | Not Required             | 12.00              | Not Required      |
| 802.11g 6Mbps       | 1       | 2412            | Not Required             | 16.50              | Not Required      |
| 802.11g 6Mbps       | 6       | 2437            | Not Required             | 17.00              | Not Required      |
| 802.11g 6Mbps       | 11      | 2462            | Not Required             | 16.50              | Not Required      |
| 802.11g 6Mbps       | 12      | 2467            | Not Required             | 16.00              | Not Required      |
| 802.11g 6Mbps       | 13      | 2472            | Not Required             | 12.00              | Not Required      |
| 802.11n-HT20 MCS0   | 1       | 2412            | Not Required             | 17.00              | Not Required      |
| 802.11n-HT20 MCS0   | 6       | 2437            | Not Required             | 17.00              | Not Required      |
| 802.11n-HT20 MCS0   | 11      | 2462            | Not Required             | 16.50              | Not Required      |
| 802.11n-HT20 MCS0   | 12      | 2467            | Not Required             | 16.00              | Not Required      |
| 802.11n-HT20 MCS0   | 13      | 2472            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 3       | 2422            | Not Required             | 15.50              | Not Required      |
| 802.11n-HT40 MCS0   | 6       | 2437            | Not Required             | 17.00              | Not Required      |
| 802.11n-HT40 MCS0   | 9       | 2452            | Not Required             | 15.50              | Not Required      |
| 802.11n-HT40 MCS0   | 10      | 2457            | Not Required             | 15.50              | Not Required      |
| 802.11n-HT40 MCS0   | 11      | 2462            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 1       | 2412            | Not Required             | 17.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 6       | 2437            | Not Required             | 17.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 11      | 2462            | Not Required             | 16.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 12      | 2467            | Not Required             | 16.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 13      | 2472            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 3       | 2422            | Not Required             | 15.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 6       | 2437            | Not Required             | 17.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 9       | 2452            | Not Required             | 15.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 10      | 2457            | Not Required             | 15.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 11      | 2462            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 1       | 2412            | Not Required             | 17.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 6       | 2437            | Not Required             | 17.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 11      | 2462            | Not Required             | 16.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 12      | 2467            | Not Required             | 16.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 13      | 2472            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 3       | 2422            | Not Required             | 15.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 6       | 2437            | Not Required             | 17.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 9       | 2452            | Not Required             | 15.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 10      | 2457            | Not Required             | 15.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 11      | 2462            | Not Required             | 11.00              | Not Required      |



【2.4GHz WLAN\_Aux\_Laptop】

| Mode                | Channel | Frequency (MHz) | Aux<br>Average<br>Power<br>(dBm) | Aux<br>Tune-Up<br>Limit | Aux<br>Duty<br>Cycle % |
|---------------------|---------|-----------------|----------------------------------|-------------------------|------------------------|
| 802.11b 1Mbps       | 1       | 2412            | Not Required                     | 17.00                   | Not Required           |
| 802.11b 1Mbps       | 6       | 2437            | Not Required                     | 17.00                   | Not Required           |
| 802.11b 1Mbps       | 11      | 2462            | Not Required                     | 17.00                   | Not Required           |
| 802.11b 1Mbps       | 12      | 2467            | Not Required                     | 16.50                   | Not Required           |
| 802.11b 1Mbps       | 13      | 2472            | Not Required                     | 12.00                   | Not Required           |
| 802.11g 6Mbps       | 1       | 2412            | Not Required                     | 16.50                   | Not Required           |
| 802.11g 6Mbps       | 6       | 2437            | Not Required                     | 17.00                   | Not Required           |
| 802.11g 6Mbps       | 11      | 2462            | Not Required                     | 16.50                   | Not Required           |
| 802.11g 6Mbps       | 12      | 2467            | Not Required                     | 16.00                   | Not Required           |
| 802.11g 6Mbps       | 13      | 2472            | Not Required                     | 12.00                   | Not Required           |
| 802.11n-HT20 MCS0   | 1       | 2412            | Not Required                     | 17.00                   | Not Required           |
| 802.11n-HT20 MCS0   | 6       | 2437            | Not Required                     | 17.00                   | Not Required           |
| 802.11n-HT20 MCS0   | 11      | 2462            | Not Required                     | 16.50                   | Not Required           |
| 802.11n-HT20 MCS0   | 12      | 2467            | Not Required                     | 16.00                   | Not Required           |
| 802.11n-HT20 MCS0   | 13      | 2472            | Not Required                     | 11.00                   | Not Required           |
| 802.11n-HT40 MCS0   | 3       | 2422            | Not Required                     | 15.50                   | Not Required           |
| 802.11n-HT40 MCS0   | 6       | 2437            | Not Required                     | 17.00                   | Not Required           |
| 802.11n-HT40 MCS0   | 9       | 2452            | Not Required                     | 15.50                   | Not Required           |
| 802.11n-HT40 MCS0   | 10      | 2457            | Not Required                     | 15.50                   | Not Required           |
| 802.11n-HT40 MCS0   | 11      | 2462            | Not Required                     | 11.00                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 1       | 2412            | Not Required                     | 17.00                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 6       | 2437            | Not Required                     | 17.00                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 11      | 2462            | Not Required                     | 16.50                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 12      | 2467            | Not Required                     | 16.00                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 13      | 2472            | Not Required                     | 11.00                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 3       | 2422            | Not Required                     | 15.50                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 6       | 2437            | Not Required                     | 17.00                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 9       | 2452            | Not Required                     | 15.50                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 10      | 2457            | Not Required                     | 15.50                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 11      | 2462            | Not Required                     | 11.00                   | Not Required           |
| 802.11ax-HE20 MCS0  | 1       | 2412            | Not Required                     | 17.00                   | Not Required           |
| 802.11ax-HE20 MCS0  | 6       | 2437            | Not Required                     | 17.00                   | Not Required           |
| 802.11ax-HE20 MCS0  | 11      | 2462            | Not Required                     | 16.50                   | Not Required           |
| 802.11ax-HE20 MCS0  | 12      | 2467            | Not Required                     | 16.00                   | Not Required           |
| 802.11ax-HE20 MCS0  | 13      | 2472            | Not Required                     | 11.00                   | Not Required           |
| 802.11ax-HE40 MCS0  | 3       | 2422            | Not Required                     | 15.50                   | Not Required           |
| 802.11ax-HE40 MCS0  | 6       | 2437            | Not Required                     | 17.00                   | Not Required           |
| 802.11ax-HE40 MCS0  | 9       | 2452            | Not Required                     | 15.50                   | Not Required           |
| 802.11ax-HE40 MCS0  | 10      | 2457            | Not Required                     | 15.50                   | Not Required           |
| 802.11ax-HE40 MCS0  | 11      | 2462            | Not Required                     | 11.00                   | Not Required           |



【2.4GHz WLAN\_Main\_Tablet】

| Mode                | Channel | Frequency (MHz) | Main<br>Average<br>Power<br>(dBm) | Main<br>Tune-Up<br>Limit | Main<br>Duty<br>Cycle % |
|---------------------|---------|-----------------|-----------------------------------|--------------------------|-------------------------|
| 802.11b 1Mbps       | 1       | 2412            | Not Required                      | 14.50                    | Not Required            |
| 802.11b 1Mbps       | 6       | 2437            | Not Required                      | 14.50                    | Not Required            |
| 802.11b 1Mbps       | 11      | 2462            | Not Required                      | 14.50                    | Not Required            |
| 802.11b 1Mbps       | 12      | 2467            | Not Required                      | 14.50                    | Not Required            |
| 802.11b 1Mbps       | 13      | 2472            | Not Required                      | 12.00                    | Not Required            |
| 802.11g 6Mbps       | 1       | 2412            | Not Required                      | 14.50                    | Not Required            |
| 802.11g 6Mbps       | 6       | 2437            | Not Required                      | 14.50                    | Not Required            |
| 802.11g 6Mbps       | 11      | 2462            | Not Required                      | 14.50                    | Not Required            |
| 802.11g 6Mbps       | 12      | 2467            | Not Required                      | 14.50                    | Not Required            |
| 802.11g 6Mbps       | 13      | 2472            | Not Required                      | 12.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 1       | 2412            | Not Required                      | 14.50                    | Not Required            |
| 802.11n-HT20 MCS0   | 6       | 2437            | Not Required                      | 14.50                    | Not Required            |
| 802.11n-HT20 MCS0   | 11      | 2462            | Not Required                      | 14.50                    | Not Required            |
| 802.11n-HT20 MCS0   | 12      | 2467            | Not Required                      | 14.50                    | Not Required            |
| 802.11n-HT20 MCS0   | 13      | 2472            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 3       | 2422            | Not Required                      | 14.50                    | Not Required            |
| 802.11n-HT40 MCS0   | 6       | 2437            | Not Required                      | 14.50                    | Not Required            |
| 802.11n-HT40 MCS0   | 9       | 2452            | Not Required                      | 14.50                    | Not Required            |
| 802.11n-HT40 MCS0   | 10      | 2457            | Not Required                      | 14.50                    | Not Required            |
| 802.11n-HT40 MCS0   | 11      | 2462            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 1       | 2412            | Not Required                      | 14.50                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 6       | 2437            | Not Required                      | 14.50                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 11      | 2462            | Not Required                      | 14.50                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 12      | 2467            | Not Required                      | 14.50                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 13      | 2472            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 3       | 2422            | Not Required                      | 14.50                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 6       | 2437            | Not Required                      | 14.50                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 9       | 2452            | Not Required                      | 14.50                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 10      | 2457            | Not Required                      | 14.50                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 11      | 2462            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 1       | 2412            | Not Required                      | 14.50                    | Not Required            |
| 802.11ax-HE20 MCS0  | 6       | 2437            | Not Required                      | 14.50                    | Not Required            |
| 802.11ax-HE20 MCS0  | 11      | 2462            | Not Required                      | 14.50                    | Not Required            |
| 802.11ax-HE20 MCS0  | 12      | 2467            | Not Required                      | 14.50                    | Not Required            |
| 802.11ax-HE20 MCS0  | 13      | 2472            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 3       | 2422            | Not Required                      | 14.50                    | Not Required            |
| 802.11ax-HE40 MCS0  | 6       | 2437            | Not Required                      | 14.50                    | Not Required            |
| 802.11ax-HE40 MCS0  | 9       | 2452            | Not Required                      | 14.50                    | Not Required            |
| 802.11ax-HE40 MCS0  | 10      | 2457            | Not Required                      | 14.50                    | Not Required            |
| 802.11ax-HE40 MCS0  | 11      | 2462            | Not Required                      | 11.00                    | Not Required            |



【2.4GHz WLAN\_Aux\_Tablet】

| Mode                | Channel | Frequency (MHz) | Aux<br>Average<br>Power<br>(dBm) | Aux<br>Tune-Up<br>Limit | Aux<br>Duty<br>Cycle % |
|---------------------|---------|-----------------|----------------------------------|-------------------------|------------------------|
| 802.11b 1Mbps       | 1       | 2412            | Not Required                     | 14.50                   | Not Required           |
| 802.11b 1Mbps       | 6       | 2437            | Not Required                     | 14.50                   | Not Required           |
| 802.11b 1Mbps       | 11      | 2462            | Not Required                     | 14.50                   | Not Required           |
| 802.11b 1Mbps       | 12      | 2467            | Not Required                     | 14.50                   | Not Required           |
| 802.11b 1Mbps       | 13      | 2472            | Not Required                     | 12.00                   | Not Required           |
| 802.11g 6Mbps       | 1       | 2412            | Not Required                     | 14.50                   | Not Required           |
| 802.11g 6Mbps       | 6       | 2437            | Not Required                     | 14.50                   | Not Required           |
| 802.11g 6Mbps       | 11      | 2462            | Not Required                     | 14.50                   | Not Required           |
| 802.11g 6Mbps       | 12      | 2467            | Not Required                     | 14.50                   | Not Required           |
| 802.11g 6Mbps       | 13      | 2472            | Not Required                     | 12.00                   | Not Required           |
| 802.11n-HT20 MCS0   | 1       | 2412            | Not Required                     | 14.50                   | Not Required           |
| 802.11n-HT20 MCS0   | 6       | 2437            | Not Required                     | 14.50                   | Not Required           |
| 802.11n-HT20 MCS0   | 11      | 2462            | Not Required                     | 14.50                   | Not Required           |
| 802.11n-HT20 MCS0   | 12      | 2467            | Not Required                     | 14.50                   | Not Required           |
| 802.11n-HT20 MCS0   | 13      | 2472            | Not Required                     | 11.00                   | Not Required           |
| 802.11n-HT40 MCS0   | 3       | 2422            | Not Required                     | 14.50                   | Not Required           |
| 802.11n-HT40 MCS0   | 6       | 2437            | Not Required                     | 14.50                   | Not Required           |
| 802.11n-HT40 MCS0   | 9       | 2452            | Not Required                     | 14.50                   | Not Required           |
| 802.11n-HT40 MCS0   | 10      | 2457            | Not Required                     | 14.50                   | Not Required           |
| 802.11n-HT40 MCS0   | 11      | 2462            | Not Required                     | 11.00                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 1       | 2412            | Not Required                     | 14.50                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 6       | 2437            | Not Required                     | 14.50                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 11      | 2462            | Not Required                     | 14.50                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 12      | 2467            | Not Required                     | 14.50                   | Not Required           |
| 802.11ac-VHT20 MCS0 | 13      | 2472            | Not Required                     | 11.00                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 3       | 2422            | Not Required                     | 14.50                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 6       | 2437            | Not Required                     | 14.50                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 9       | 2452            | Not Required                     | 14.50                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 10      | 2457            | Not Required                     | 14.50                   | Not Required           |
| 802.11ac-VHT40 MCS0 | 11      | 2462            | Not Required                     | 11.00                   | Not Required           |
| 802.11ax-HE20 MCS0  | 1       | 2412            | Not Required                     | 14.50                   | Not Required           |
| 802.11ax-HE20 MCS0  | 6       | 2437            | Not Required                     | 14.50                   | Not Required           |
| 802.11ax-HE20 MCS0  | 11      | 2462            | Not Required                     | 14.50                   | Not Required           |
| 802.11ax-HE20 MCS0  | 12      | 2467            | Not Required                     | 14.50                   | Not Required           |
| 802.11ax-HE20 MCS0  | 13      | 2472            | Not Required                     | 11.00                   | Not Required           |
| 802.11ax-HE40 MCS0  | 3       | 2422            | Not Required                     | 14.50                   | Not Required           |
| 802.11ax-HE40 MCS0  | 6       | 2437            | Not Required                     | 14.50                   | Not Required           |
| 802.11ax-HE40 MCS0  | 9       | 2452            | Not Required                     | 14.50                   | Not Required           |
| 802.11ax-HE40 MCS0  | 10      | 2457            | Not Required                     | 14.50                   | Not Required           |
| 802.11ax-HE40 MCS0  | 11      | 2462            | Not Required                     | 11.00                   | Not Required           |



【2.4GHz WLAN\_Ant MIMO\_Laptop】

| Mode                | Channel | Frequency (MHz) | Ant MIMO(Main)<br>Average Power (dBm) | Ant MIMO(Main)<br>Tune-Up Limit | Ant MIMO(Aux)<br>Average Power (dBm) | Ant MIMO(Aux)<br>Tune-Up Limit | Ant MIMO<br>Average Power (dBm) | Ant MIMO<br>Tune-Up Limit | Ant MIMO<br>Duty Cycle % |
|---------------------|---------|-----------------|---------------------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|---------------------------|--------------------------|
| 802.11b 1Mbps       | 1       | 2412            | 16.68                                 | 17.00                           | 16.22                                | 17.00                          | 19.47                           | 20.00                     | 99.68                    |
| 802.11b 1Mbps       | 6       | 2437            | 16.69                                 | 17.00                           | 16.14                                | 17.00                          | 19.43                           | 20.00                     | 99.68                    |
| 802.11b 1Mbps       | 11      | 2462            | 16.64                                 | 17.00                           | 16.17                                | 17.00                          | 19.42                           | 20.00                     | 99.68                    |
| 802.11b 1Mbps       | 12      | 2467            | 15.82                                 | 16.50                           | 15.91                                | 16.50                          | 18.88                           | 19.50                     | 99.68                    |
| 802.11b 1Mbps       | 13      | 2472            | 11.42                                 | 12.00                           | 11.32                                | 12.00                          | 14.38                           | 15.00                     | 99.68                    |
| 802.11g 6Mbps       | 1       | 2412            | Not Required                          | 16.50                           | Not Required                         | 16.50                          | Not Required                    | 19.50                     | Not Required             |
| 802.11g 6Mbps       | 6       | 2437            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11g 6Mbps       | 11      | 2462            | Not Required                          | 16.50                           | Not Required                         | 16.50                          | Not Required                    | 19.50                     | Not Required             |
| 802.11g 6Mbps       | 12      | 2467            | Not Required                          | 16.00                           | Not Required                         | 16.00                          | Not Required                    | 19.00                     | Not Required             |
| 802.11g 6Mbps       | 13      | 2472            | Not Required                          | 12.00                           | Not Required                         | 12.00                          | Not Required                    | 15.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 1       | 2412            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 6       | 2437            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 11      | 2462            | Not Required                          | 16.50                           | Not Required                         | 16.50                          | Not Required                    | 19.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 12      | 2467            | Not Required                          | 16.00                           | Not Required                         | 16.00                          | Not Required                    | 19.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 13      | 2472            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 3       | 2422            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 6       | 2437            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 9       | 2452            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 10      | 2457            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 11      | 2462            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 1       | 2412            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 6       | 2437            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 11      | 2462            | Not Required                          | 16.50                           | Not Required                         | 16.50                          | Not Required                    | 19.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 12      | 2467            | Not Required                          | 16.00                           | Not Required                         | 16.00                          | Not Required                    | 19.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 13      | 2472            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 3       | 2422            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 6       | 2437            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 9       | 2452            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 10      | 2457            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 11      | 2462            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 1       | 2412            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 6       | 2437            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 11      | 2462            | Not Required                          | 16.50                           | Not Required                         | 16.50                          | Not Required                    | 19.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 12      | 2467            | Not Required                          | 16.00                           | Not Required                         | 16.00                          | Not Required                    | 19.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 13      | 2472            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 3       | 2422            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 6       | 2437            | Not Required                          | 17.00                           | Not Required                         | 17.00                          | Not Required                    | 20.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 9       | 2452            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 10      | 2457            | Not Required                          | 15.50                           | Not Required                         | 15.50                          | Not Required                    | 18.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 11      | 2462            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |



【2.4GHz WLAN\_Ant MIMO\_Tablet】

| Mode                | Channel | Frequency (MHz) | Ant MIMO(Main)<br>Average Power (dBm) | Ant MIMO(Main)<br>Tune-Up Limit | Ant MIMO(Aux)<br>Average Power (dBm) | Ant MIMO(Aux)<br>Tune-Up Limit | Ant MIMO<br>Average Power (dBm) | Ant MIMO<br>Tune-Up Limit | Ant MIMO<br>Duty Cycle % |
|---------------------|---------|-----------------|---------------------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|---------------------------|--------------------------|
| 802.11b 1Mbps       | 1       | 2412            | 14.16                                 | 14.50                           | 13.70                                | 14.50                          | 16.95                           | 17.50                     | 99.68                    |
| 802.11b 1Mbps       | 6       | 2437            | 14.18                                 | 14.50                           | 13.66                                | 14.50                          | 16.94                           | 17.50                     | 99.68                    |
| 802.11b 1Mbps       | 11      | 2462            | 14.15                                 | 14.50                           | 13.65                                | 14.50                          | 16.92                           | 17.50                     | 99.68                    |
| 802.11b 1Mbps       | 12      | 2467            | 14.15                                 | 14.50                           | 13.63                                | 14.50                          | 16.91                           | 17.50                     | 99.68                    |
| 802.11b 1Mbps       | 13      | 2472            | 11.42                                 | 12.00                           | 11.32                                | 12.00                          | 14.38                           | 15.00                     | 99.68                    |
| 802.11g 6Mbps       | 1       | 2412            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11g 6Mbps       | 6       | 2437            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11g 6Mbps       | 11      | 2462            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11g 6Mbps       | 12      | 2467            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11g 6Mbps       | 13      | 2472            | Not Required                          | 12.00                           | Not Required                         | 12.00                          | Not Required                    | 15.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 1       | 2412            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 6       | 2437            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 11      | 2462            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 12      | 2467            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 13      | 2472            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 3       | 2422            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 6       | 2437            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 9       | 2452            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 10      | 2457            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 11      | 2462            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 1       | 2412            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 6       | 2437            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 11      | 2462            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 12      | 2467            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 13      | 2472            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 3       | 2422            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 6       | 2437            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 9       | 2452            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 10      | 2457            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 11      | 2462            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 1       | 2412            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 6       | 2437            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 11      | 2462            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 12      | 2467            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 13      | 2472            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 3       | 2422            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 6       | 2437            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 9       | 2452            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 10      | 2457            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 11      | 2462            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |



【5.2GHz WLAN\_Main\_Laptop】

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11a 6Mbps       | 36      | 5180            | Not Required             | 14.50              | Not Required      |
| 802.11a 6Mbps       | 40      | 5200            | Not Required             | 14.50              | Not Required      |
| 802.11a 6Mbps       | 44      | 5220            | Not Required             | 14.50              | Not Required      |
| 802.11a 6Mbps       | 48      | 5240            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT20 MCS0   | 36      | 5180            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT20 MCS0   | 40      | 5200            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT20 MCS0   | 44      | 5220            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT20 MCS0   | 48      | 5240            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT40 MCS0   | 38      | 5190            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT40 MCS0   | 46      | 5230            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 36      | 5180            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 40      | 5200            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 44      | 5220            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 48      | 5240            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 38      | 5190            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 46      | 5230            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT80 MCS0 | 42      | 5210            | Not Required             | 14.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 36      | 5180            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 40      | 5200            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 44      | 5220            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 48      | 5240            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 38      | 5190            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 46      | 5230            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE80 MCS0  | 42      | 5210            | Not Required             | 14.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 36      | 5180            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 40      | 5200            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 44      | 5220            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 48      | 5240            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT40 MCS0 | 38      | 5190            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT40 MCS0 | 46      | 5230            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT80 MCS0 | 42      | 5210            | Not Required             | 14.00              | Not Required      |



【5.2GHz WLAN\_Aux\_Laptop】

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 36      | 5180            | Not Required            | 14.50             | Not Required     |
| 802.11a 6Mbps       | 40      | 5200            | Not Required            | 14.50             | Not Required     |
| 802.11a 6Mbps       | 44      | 5220            | Not Required            | 14.50             | Not Required     |
| 802.11a 6Mbps       | 48      | 5240            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT20 MCS0   | 36      | 5180            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT20 MCS0   | 40      | 5200            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT20 MCS0   | 44      | 5220            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT20 MCS0   | 48      | 5240            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT40 MCS0   | 38      | 5190            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT40 MCS0   | 46      | 5230            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 36      | 5180            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 40      | 5200            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 44      | 5220            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 48      | 5240            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT40 MCS0 | 38      | 5190            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT40 MCS0 | 46      | 5230            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT80 MCS0 | 42      | 5210            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 36      | 5180            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 40      | 5200            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 44      | 5220            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 48      | 5240            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE40 MCS0  | 38      | 5190            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE40 MCS0  | 46      | 5230            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE80 MCS0  | 42      | 5210            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 36      | 5180            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 40      | 5200            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 44      | 5220            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 48      | 5240            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT40 MCS0 | 38      | 5190            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT40 MCS0 | 46      | 5230            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT80 MCS0 | 42      | 5210            | Not Required            | 14.00             | Not Required     |



【5.2GHz WLAN\_Main\_Tablet】

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11a 6Mbps       | 36      | 5180            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 40      | 5200            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 44      | 5220            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 48      | 5240            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 36      | 5180            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 40      | 5200            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 44      | 5220            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 48      | 5240            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 38      | 5190            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 46      | 5230            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 36      | 5180            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 40      | 5200            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 44      | 5220            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 48      | 5240            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 38      | 5190            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 46      | 5230            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT80 MCS0 | 42      | 5210            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 36      | 5180            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 40      | 5200            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 44      | 5220            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 48      | 5240            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 38      | 5190            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 46      | 5230            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE80 MCS0  | 42      | 5210            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 36      | 5180            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 40      | 5200            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 44      | 5220            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 48      | 5240            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT40 MCS0 | 38      | 5190            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT40 MCS0 | 46      | 5230            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT80 MCS0 | 42      | 5210            | Not Required             | 11.00              | Not Required      |



【5.2GHz WLAN\_Aux\_Tablet】

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 36      | 5180            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 40      | 5200            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 44      | 5220            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 48      | 5240            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 36      | 5180            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 40      | 5200            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 44      | 5220            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 48      | 5240            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 38      | 5190            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 46      | 5230            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 36      | 5180            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 40      | 5200            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 44      | 5220            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 48      | 5240            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 38      | 5190            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 46      | 5230            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 42      | 5210            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 36      | 5180            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 40      | 5200            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 44      | 5220            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 48      | 5240            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 38      | 5190            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 46      | 5230            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 42      | 5210            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 36      | 5180            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 40      | 5200            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 44      | 5220            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 48      | 5240            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 38      | 5190            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 46      | 5230            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 42      | 5210            | Not Required            | 11.00             | Not Required     |



【5.2GHz WLAN\_Ant MIMO\_Laptop】

| Mode                | Channel | Frequency (MHz) | Ant MIMO(Main)<br>Average Power (dBm) | Ant MIMO(Main)<br>Tune-Up Limit | Ant MIMO(Aux)<br>Average Power (dBm) | Ant MIMO(Aux)<br>Tune-Up Limit | Ant MIMO<br>Average Power (dBm) | Ant MIMO<br>Tune-Up Limit | Ant MIMO<br>Duty Cycle % |
|---------------------|---------|-----------------|---------------------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|---------------------------|--------------------------|
| 802.11a 6Mbps       | 36      | 5180            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11a 6Mbps       | 40      | 5200            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11a 6Mbps       | 44      | 5220            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11a 6Mbps       | 48      | 5240            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 36      | 5180            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 40      | 5200            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 44      | 5220            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 48      | 5240            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 38      | 5190            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 46      | 5230            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 36      | 5180            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 40      | 5200            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 44      | 5220            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 48      | 5240            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 38      | 5190            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 46      | 5230            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT80 MCS0 | 42      | 5210            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 36      | 5180            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 40      | 5200            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 44      | 5220            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 48      | 5240            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 38      | 5190            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 46      | 5230            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE80 MCS0  | 42      | 5210            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 36      | 5180            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT20 MCS0 | 40      | 5200            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT20 MCS0 | 44      | 5220            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT20 MCS0 | 48      | 5240            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT40 MCS0 | 38      | 5190            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT40 MCS0 | 46      | 5230            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT80 MCS0 | 42      | 5210            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |



【5.2GHz WLAN\_Ant MIMO\_Tablet】

| Mode                | Channel | Frequency (MHz) | Ant MIMO(Main)<br>Average Power (dBm) | Ant MIMO(Main)<br>Tune-Up Limit | Ant MIMO(Aux)<br>Average Power (dBm) | Ant MIMO(Aux)<br>Tune-Up Limit | Ant MIMO<br>Average Power (dBm) | Ant MIMO<br>Tune-Up Limit | Ant MIMO<br>Duty Cycle % |
|---------------------|---------|-----------------|---------------------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|---------------------------|--------------------------|
| 802.11a 6Mbps       | 36      | 5180            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 40      | 5200            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 44      | 5220            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 48      | 5240            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 36      | 5180            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 40      | 5200            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 44      | 5220            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 48      | 5240            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 38      | 5190            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 46      | 5230            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 36      | 5180            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 40      | 5200            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 44      | 5220            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 48      | 5240            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 38      | 5190            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 46      | 5230            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT80 MCS0 | 42      | 5210            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 36      | 5180            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 40      | 5200            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 44      | 5220            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 48      | 5240            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 38      | 5190            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 46      | 5230            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE80 MCS0  | 42      | 5210            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 36      | 5180            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 40      | 5200            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 44      | 5220            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 48      | 5240            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 38      | 5190            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 46      | 5230            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT80 MCS0 | 42      | 5210            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |



【5.3GHz WLAN\_Main\_Laptop】

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11a 6Mbps       | 52      | 5260            | Not Required             | 14.50              | Not Required      |
| 802.11a 6Mbps       | 56      | 5280            | Not Required             | 14.50              | Not Required      |
| 802.11a 6Mbps       | 60      | 5300            | Not Required             | 14.50              | Not Required      |
| 802.11a 6Mbps       | 64      | 5320            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT20 MCS0   | 52      | 5260            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT20 MCS0   | 56      | 5280            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT20 MCS0   | 60      | 5300            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT20 MCS0   | 64      | 5320            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT40 MCS0   | 54      | 5270            | Not Required             | 14.50              | Not Required      |
| 802.11n-HT40 MCS0   | 62      | 5310            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 52      | 5260            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 56      | 5280            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 60      | 5300            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 64      | 5320            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 54      | 5270            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 62      | 5310            | Not Required             | 14.50              | Not Required      |
| 802.11ac-VHT80 MCS0 | 58      | 5290            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 52      | 5260            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 56      | 5280            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 60      | 5300            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 64      | 5320            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 54      | 5270            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 62      | 5310            | Not Required             | 14.50              | Not Required      |
| 802.11ax-HE80 MCS0  | 58      | 5290            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 52      | 5260            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 56      | 5280            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 60      | 5300            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 64      | 5320            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT40 MCS0 | 54      | 5270            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT40 MCS0 | 62      | 5310            | Not Required             | 14.50              | Not Required      |
| 802.11be-EHT80 MCS0 | 58      | 5290            | Not Required             | 14.50              | Not Required      |



【5.3GHz WLAN\_Aux\_Laptop】

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 52      | 5260            | Not Required            | 14.50             | Not Required     |
| 802.11a 6Mbps       | 56      | 5280            | Not Required            | 14.50             | Not Required     |
| 802.11a 6Mbps       | 60      | 5300            | Not Required            | 14.50             | Not Required     |
| 802.11a 6Mbps       | 64      | 5320            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT20 MCS0   | 52      | 5260            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT20 MCS0   | 56      | 5280            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT20 MCS0   | 60      | 5300            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT20 MCS0   | 64      | 5320            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT40 MCS0   | 54      | 5270            | Not Required            | 14.50             | Not Required     |
| 802.11n-HT40 MCS0   | 62      | 5310            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 52      | 5260            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 56      | 5280            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 60      | 5300            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 64      | 5320            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT40 MCS0 | 54      | 5270            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT40 MCS0 | 62      | 5310            | Not Required            | 14.50             | Not Required     |
| 802.11ac-VHT80 MCS0 | 58      | 5290            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 52      | 5260            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 56      | 5280            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 60      | 5300            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 64      | 5320            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE40 MCS0  | 54      | 5270            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE40 MCS0  | 62      | 5310            | Not Required            | 14.50             | Not Required     |
| 802.11ax-HE80 MCS0  | 58      | 5290            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 52      | 5260            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 56      | 5280            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 60      | 5300            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 64      | 5320            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT40 MCS0 | 54      | 5270            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT40 MCS0 | 62      | 5310            | Not Required            | 14.50             | Not Required     |
| 802.11be-EHT80 MCS0 | 58      | 5290            | Not Required            | 14.50             | Not Required     |



【5.3GHz WLAN\_Main\_Tablet】

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11a 6Mbps       | 52      | 5260            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 56      | 5280            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 60      | 5300            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 64      | 5320            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 52      | 5260            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 56      | 5280            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 60      | 5300            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 64      | 5320            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 54      | 5270            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 62      | 5310            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 52      | 5260            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 56      | 5280            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 60      | 5300            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 64      | 5320            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 54      | 5270            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 62      | 5310            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT80 MCS0 | 58      | 5290            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 52      | 5260            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 56      | 5280            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 60      | 5300            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 64      | 5320            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 54      | 5270            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 62      | 5310            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE80 MCS0  | 58      | 5290            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 52      | 5260            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 56      | 5280            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 60      | 5300            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 64      | 5320            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT40 MCS0 | 54      | 5270            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT40 MCS0 | 62      | 5310            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT80 MCS0 | 58      | 5290            | Not Required             | 11.00              | Not Required      |



【5.3GHz WLAN\_Aux\_Tablet】

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 52      | 5260            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 56      | 5280            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 60      | 5300            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 64      | 5320            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 52      | 5260            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 56      | 5280            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 60      | 5300            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 64      | 5320            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 54      | 5270            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 62      | 5310            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 52      | 5260            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 56      | 5280            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 60      | 5300            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 64      | 5320            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 54      | 5270            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 62      | 5310            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 58      | 5290            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 52      | 5260            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 56      | 5280            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 60      | 5300            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 64      | 5320            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 54      | 5270            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 62      | 5310            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 58      | 5290            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 52      | 5260            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 56      | 5280            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 60      | 5300            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 64      | 5320            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 54      | 5270            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 62      | 5310            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 58      | 5290            | Not Required            | 11.00             | Not Required     |



【5.3GHz WLAN\_Ant MIMO\_Laptop】

| Mode                | Channel | Frequency (MHz) | Ant MIMO(Main)<br>Average Power (dBm) | Ant MIMO(Main)<br>Tune-Up Limit | Ant MIMO(Aux)<br>Average Power (dBm) | Ant MIMO(Aux)<br>Tune-Up Limit | Ant MIMO<br>Average Power (dBm) | Ant MIMO<br>Tune-Up Limit | Ant MIMO<br>Duty Cycle % |
|---------------------|---------|-----------------|---------------------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|---------------------------|--------------------------|
| 802.11a 6Mbps       | 52      | 5260            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11a 6Mbps       | 56      | 5280            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11a 6Mbps       | 60      | 5300            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11a 6Mbps       | 64      | 5320            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 52      | 5260            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 56      | 5280            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 60      | 5300            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT20 MCS0   | 64      | 5320            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11n-HT40 MCS0   | 54      | 5270            | 13.91                                 | 14.50                           | 14.42                                | 14.50                          | 17.18                           | 17.50                     | 94.85                    |
| 802.11n-HT40 MCS0   | 62      | 5310            | 13.97                                 | 14.50                           | 14.08                                | 14.50                          | 17.04                           | 17.50                     | 94.85                    |
| 802.11ac-VHT20 MCS0 | 52      | 5260            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 56      | 5280            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 60      | 5300            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 64      | 5320            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 54      | 5270            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 62      | 5310            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ac-VHT80 MCS0 | 58      | 5290            | 13.68                                 | 14.50                           | 14.28                                | 14.50                          | 17.00                           | 17.50                     | 90.50                    |
| 802.11ax-HE20 MCS0  | 52      | 5260            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 56      | 5280            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 60      | 5300            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE20 MCS0  | 64      | 5320            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 54      | 5270            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE40 MCS0  | 62      | 5310            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11ax-HE80 MCS0  | 58      | 5290            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT20 MCS0 | 52      | 5260            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT20 MCS0 | 56      | 5280            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT20 MCS0 | 60      | 5300            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT20 MCS0 | 64      | 5320            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT40 MCS0 | 54      | 5270            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT40 MCS0 | 62      | 5310            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |
| 802.11be-EHT80 MCS0 | 58      | 5290            | Not Required                          | 14.50                           | Not Required                         | 14.50                          | Not Required                    | 17.50                     | Not Required             |



【5.3GHz WLAN\_Ant MIMO\_Tablet】

| Mode                | Channel | Frequency (MHz) | Ant MIMO(Main)<br>Average Power (dBm) | Ant MIMO(Main)<br>Tune-Up Limit | Ant MIMO(Aux)<br>Average Power (dBm) | Ant MIMO(Aux)<br>Tune-Up Limit | Ant MIMO<br>Average Power (dBm) | Ant MIMO<br>Tune-Up Limit | Ant MIMO<br>Duty Cycle % |
|---------------------|---------|-----------------|---------------------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|---------------------------|--------------------------|
| 802.11a 6Mbps       | 52      | 5260            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 56      | 5280            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 60      | 5300            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 64      | 5320            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 52      | 5260            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 56      | 5280            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 60      | 5300            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 64      | 5320            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 54      | 5270            | 10.45                                 | 11.00                           | 10.94                                | 11.00                          | 13.71                           | 14.00                     | 94.85                    |
| 802.11n-HT40 MCS0   | 62      | 5310            | 10.50                                 | 11.00                           | 10.60                                | 11.00                          | 13.56                           | 14.00                     | 94.85                    |
| 802.11ac-VHT20 MCS0 | 52      | 5260            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 56      | 5280            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 60      | 5300            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 64      | 5320            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 54      | 5270            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 62      | 5310            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT80 MCS0 | 58      | 5290            | 10.17                                 | 11.00                           | 10.82                                | 11.00                          | 13.52                           | 14.00                     | 90.50                    |
| 802.11ax-HE20 MCS0  | 52      | 5260            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 56      | 5280            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 60      | 5300            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 64      | 5320            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 54      | 5270            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 62      | 5310            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE80 MCS0  | 58      | 5290            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 52      | 5260            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 56      | 5280            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 60      | 5300            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 64      | 5320            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 54      | 5270            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 62      | 5310            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT80 MCS0 | 58      | 5290            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |



【5.5GHz WLAN\_Main\_Laptop】

| Mode                | Channel | Frequency (MHz) | Main<br>Average<br>Power<br>(dBm) | Main<br>Tune-Up<br>Limit | Main<br>Duty<br>Cycle % |
|---------------------|---------|-----------------|-----------------------------------|--------------------------|-------------------------|
| 802.11a 6Mbps       | 100     | 5500            | Not Required                      | 14.00                    | Not Required            |
| 802.11a 6Mbps       | 116     | 5580            | Not Required                      | 14.00                    | Not Required            |
| 802.11a 6Mbps       | 124     | 5620            | Not Required                      | 14.00                    | Not Required            |
| 802.11a 6Mbps       | 132     | 5660            | Not Required                      | 14.00                    | Not Required            |
| 802.11a 6Mbps       | 140     | 5700            | Not Required                      | 14.00                    | Not Required            |
| 802.11a 6Mbps       | 144     | 5720            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 100     | 5500            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 116     | 5580            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 124     | 5620            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 132     | 5660            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 140     | 5700            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 144     | 5720            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 102     | 5510            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 110     | 5550            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 126     | 5630            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 134     | 5670            | Not Required                      | 14.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 142     | 5710            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 100     | 5500            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 116     | 5580            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 124     | 5620            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 132     | 5660            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 140     | 5700            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 144     | 5720            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 102     | 5510            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 110     | 5550            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 126     | 5630            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 134     | 5670            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 142     | 5710            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT80 MCS0 | 106     | 5530            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT80 MCS0 | 122     | 5610            | Not Required                      | 14.00                    | Not Required            |
| 802.11ac-VHT80 MCS0 | 138     | 5690            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 100     | 5500            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 116     | 5580            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 124     | 5620            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 132     | 5660            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 140     | 5700            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 144     | 5720            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 102     | 5510            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 110     | 5550            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 126     | 5630            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 134     | 5670            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 142     | 5710            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE80 MCS0  | 106     | 5530            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE80 MCS0  | 122     | 5610            | Not Required                      | 14.00                    | Not Required            |
| 802.11ax-HE80 MCS0  | 138     | 5690            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 100     | 5500            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 116     | 5580            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 124     | 5620            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 132     | 5660            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 140     | 5700            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 144     | 5720            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 102     | 5510            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 110     | 5550            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 126     | 5630            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 134     | 5670            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 142     | 5710            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT80 MCS0 | 106     | 5530            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT80 MCS0 | 122     | 5610            | Not Required                      | 14.00                    | Not Required            |
| 802.11be-EHT80 MCS0 | 138     | 5690            | Not Required                      | 14.00                    | Not Required            |

**[ 5.5GHz WLAN\_Aux\_Laptop ]**

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 100     | 5500            | Not Required            | 14.00             | Not Required     |
| 802.11a 6Mbps       | 116     | 5580            | Not Required            | 14.00             | Not Required     |
| 802.11a 6Mbps       | 124     | 5620            | Not Required            | 14.00             | Not Required     |
| 802.11a 6Mbps       | 132     | 5660            | Not Required            | 14.00             | Not Required     |
| 802.11a 6Mbps       | 140     | 5700            | Not Required            | 14.00             | Not Required     |
| 802.11a 6Mbps       | 144     | 5720            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT20 MCS0   | 100     | 5500            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT20 MCS0   | 116     | 5580            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT20 MCS0   | 124     | 5620            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT20 MCS0   | 132     | 5660            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT20 MCS0   | 140     | 5700            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT20 MCS0   | 144     | 5720            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT40 MCS0   | 102     | 5510            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT40 MCS0   | 110     | 5550            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT40 MCS0   | 126     | 5630            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT40 MCS0   | 134     | 5670            | Not Required            | 14.00             | Not Required     |
| 802.11n-HT40 MCS0   | 142     | 5710            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 100     | 5500            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 116     | 5580            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 124     | 5620            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 132     | 5660            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 140     | 5700            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 144     | 5720            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 102     | 5510            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 110     | 5550            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 126     | 5630            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 134     | 5670            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 142     | 5710            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 106     | 5530            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 122     | 5610            | Not Required            | 14.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 138     | 5690            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 100     | 5500            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 116     | 5580            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 124     | 5620            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 132     | 5660            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 140     | 5700            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 144     | 5720            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 102     | 5510            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 110     | 5550            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 126     | 5630            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 134     | 5670            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 142     | 5710            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 106     | 5530            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 122     | 5610            | Not Required            | 14.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 138     | 5690            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 100     | 5500            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 116     | 5580            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 124     | 5620            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 132     | 5660            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 140     | 5700            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 144     | 5720            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 102     | 5510            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 110     | 5550            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 126     | 5630            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 134     | 5670            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 142     | 5710            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 106     | 5530            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 122     | 5610            | Not Required            | 14.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 138     | 5690            | Not Required            | 14.00             | Not Required     |



【5.5GHz WLAN\_Main\_Tablet】

| Mode                | Channel | Frequency (MHz) | Main<br>Average<br>Power<br>(dBm) | Main<br>Tune-Up<br>Limit | Main<br>Duty<br>Cycle % |
|---------------------|---------|-----------------|-----------------------------------|--------------------------|-------------------------|
| 802.11a 6Mbps       | 100     | 5500            | Not Required                      | 11.00                    | Not Required            |
| 802.11a 6Mbps       | 116     | 5580            | Not Required                      | 11.00                    | Not Required            |
| 802.11a 6Mbps       | 124     | 5620            | Not Required                      | 11.00                    | Not Required            |
| 802.11a 6Mbps       | 132     | 5660            | Not Required                      | 11.00                    | Not Required            |
| 802.11a 6Mbps       | 140     | 5700            | Not Required                      | 11.00                    | Not Required            |
| 802.11a 6Mbps       | 144     | 5720            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 100     | 5500            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 116     | 5580            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 124     | 5620            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 132     | 5660            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 140     | 5700            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT20 MCS0   | 144     | 5720            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 102     | 5510            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 110     | 5550            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 126     | 5630            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 134     | 5670            | Not Required                      | 11.00                    | Not Required            |
| 802.11n-HT40 MCS0   | 142     | 5710            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 100     | 5500            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 116     | 5580            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 124     | 5620            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 132     | 5660            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 140     | 5700            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT20 MCS0 | 144     | 5720            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 102     | 5510            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 110     | 5550            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 126     | 5630            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 134     | 5670            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT40 MCS0 | 142     | 5710            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT80 MCS0 | 106     | 5530            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT80 MCS0 | 122     | 5610            | Not Required                      | 11.00                    | Not Required            |
| 802.11ac-VHT80 MCS0 | 138     | 5690            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 100     | 5500            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 116     | 5580            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 124     | 5620            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 132     | 5660            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 140     | 5700            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE20 MCS0  | 144     | 5720            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 102     | 5510            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 110     | 5550            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 126     | 5630            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 134     | 5670            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE40 MCS0  | 142     | 5710            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE80 MCS0  | 106     | 5530            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE80 MCS0  | 122     | 5610            | Not Required                      | 11.00                    | Not Required            |
| 802.11ax-HE80 MCS0  | 138     | 5690            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 100     | 5500            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 116     | 5580            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 124     | 5620            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 132     | 5660            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 140     | 5700            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT20 MCS0 | 144     | 5720            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 102     | 5510            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 110     | 5550            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 126     | 5630            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 134     | 5670            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT40 MCS0 | 142     | 5710            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT80 MCS0 | 106     | 5530            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT80 MCS0 | 122     | 5610            | Not Required                      | 11.00                    | Not Required            |
| 802.11be-EHT80 MCS0 | 138     | 5690            | Not Required                      | 11.00                    | Not Required            |



【5.5GHz WLAN\_Aux\_Tablet】

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 100     | 5500            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 116     | 5580            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 124     | 5620            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 132     | 5660            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 140     | 5700            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 144     | 5720            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 100     | 5500            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 116     | 5580            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 124     | 5620            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 132     | 5660            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 140     | 5700            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 144     | 5720            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 102     | 5510            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 110     | 5550            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 126     | 5630            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 134     | 5670            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 142     | 5710            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 100     | 5500            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 116     | 5580            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 124     | 5620            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 132     | 5660            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 140     | 5700            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 144     | 5720            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 102     | 5510            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 110     | 5550            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 126     | 5630            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 134     | 5670            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 142     | 5710            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 106     | 5530            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 122     | 5610            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 138     | 5690            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 100     | 5500            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 116     | 5580            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 124     | 5620            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 132     | 5660            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 140     | 5700            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 144     | 5720            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 102     | 5510            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 110     | 5550            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 126     | 5630            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 134     | 5670            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 142     | 5710            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 106     | 5530            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 122     | 5610            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 138     | 5690            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 100     | 5500            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 116     | 5580            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 124     | 5620            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 132     | 5660            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 140     | 5700            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 144     | 5720            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 102     | 5510            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 110     | 5550            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 126     | 5630            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 134     | 5670            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 142     | 5710            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 106     | 5530            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 122     | 5610            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 138     | 5690            | Not Required            | 11.00             | Not Required     |



[5.5GHz WLAN\_Ant MIMO\_Laptop]

| Mode                | Channel | Frequency (MHz) | Ant MIMO(Main)<br>Average Power (dBm) | Ant MIMO(Main)<br>Tune-Up Limit | Ant MIMO(Aux)<br>Average Power (dBm) | Ant MIMO(Aux)<br>Tune-Up Limit | Ant MIMO<br>Average Power (dBm) | Ant MIMO<br>Tune-Up Limit | Ant MIMO<br>Duty Cycle % |
|---------------------|---------|-----------------|---------------------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|---------------------------|--------------------------|
| 802.11a 6Mbps       | 100     | 5500            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11a 6Mbps       | 116     | 5580            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11a 6Mbps       | 124     | 5620            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11a 6Mbps       | 132     | 5660            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11a 6Mbps       | 140     | 5700            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11a 6Mbps       | 144     | 5720            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 100     | 5500            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 116     | 5580            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 124     | 5620            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 132     | 5660            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 140     | 5700            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 144     | 5720            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 102     | 5510            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 110     | 5550            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 126     | 5630            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 134     | 5670            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 142     | 5710            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 100     | 5500            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 116     | 5580            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 124     | 5620            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 132     | 5660            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 140     | 5700            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 144     | 5720            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 102     | 5510            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 110     | 5550            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 126     | 5630            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 134     | 5670            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 142     | 5710            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ac-VHT80 MCS0 | 106     | 5530            | 13.18                                 | 14.00                           | 13.70                                | 14.00                          | 16.46                           | 17.00                     | 90.50                    |
| 802.11ac-VHT80 MCS0 | 122     | 5610            | 13.36                                 | 14.00                           | 13.87                                | 14.00                          | 16.63                           | 17.00                     | 90.50                    |
| 802.11ac-VHT80 MCS0 | 138     | 5690            | 13.43                                 | 14.00                           | 13.81                                | 14.00                          | 16.63                           | 17.00                     | 90.50                    |
| 802.11ax-HE20 MCS0  | 100     | 5500            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 116     | 5580            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 124     | 5620            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 132     | 5660            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 140     | 5700            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 144     | 5720            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 102     | 5510            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 110     | 5550            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 126     | 5630            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 134     | 5670            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 142     | 5710            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE80 MCS0  | 106     | 5530            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE80 MCS0  | 122     | 5610            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11ax-HE80 MCS0  | 138     | 5690            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 100     | 5500            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 116     | 5580            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 124     | 5620            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 132     | 5660            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 140     | 5700            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 144     | 5720            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 102     | 5510            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 110     | 5550            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 126     | 5630            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 134     | 5670            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 142     | 5710            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT80 MCS0 | 106     | 5530            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT80 MCS0 | 122     | 5610            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |
| 802.11be-EHT80 MCS0 | 138     | 5690            | Not Required                          | 14.00                           | Not Required                         | 14.00                          | Not Required                    | 17.00                     | Not Required             |

**[ 5.5GHz WLAN\_Ant MIMO\_Tablet ]**

| Mode                | Channel | Frequency (MHz) | Ant MIMO(Main)<br>Average Power (dBm) | Ant MIMO(Main)<br>Tune-Up Limit | Ant MIMO(Aux)<br>Average Power (dBm) | Ant MIMO(Aux)<br>Tune-Up Limit | Ant MIMO<br>Average Power (dBm) | Ant MIMO<br>Tune-Up Limit | Ant MIMO<br>Duty Cycle % |
|---------------------|---------|-----------------|---------------------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|---------------------------|--------------------------|
| 802.11a 6Mbps       | 100     | 5500            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 116     | 5580            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 124     | 5620            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 132     | 5660            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 140     | 5700            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11a 6Mbps       | 144     | 5720            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 100     | 5500            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 116     | 5580            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 124     | 5620            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 132     | 5660            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 140     | 5700            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT20 MCS0   | 144     | 5720            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 102     | 5510            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 110     | 5550            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 126     | 5630            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 134     | 5670            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11n-HT40 MCS0   | 142     | 5710            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 100     | 5500            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 116     | 5580            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 124     | 5620            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 132     | 5660            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 140     | 5700            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT20 MCS0 | 144     | 5720            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 102     | 5510            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 110     | 5550            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 126     | 5630            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 134     | 5670            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT40 MCS0 | 142     | 5710            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ac-VHT80 MCS0 | 106     | 5530            | 10.20                                 | 11.00                           | 10.70                                | 11.00                          | 13.47                           | 14.00                     | 90.50                    |
| 802.11ac-VHT80 MCS0 | 122     | 5610            | 10.34                                 | 11.00                           | 10.86                                | 11.00                          | 13.62                           | 14.00                     | 90.50                    |
| 802.11ac-VHT80 MCS0 | 138     | 5690            | 10.44                                 | 11.00                           | 10.79                                | 11.00                          | 13.63                           | 14.00                     | 90.50                    |
| 802.11ax-HE20 MCS0  | 100     | 5500            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 116     | 5580            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 124     | 5620            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 132     | 5660            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 140     | 5700            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE20 MCS0  | 144     | 5720            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 102     | 5510            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 110     | 5550            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 126     | 5630            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 134     | 5670            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE40 MCS0  | 142     | 5710            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE80 MCS0  | 106     | 5530            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE80 MCS0  | 122     | 5610            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11ax-HE80 MCS0  | 138     | 5690            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 100     | 5500            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 116     | 5580            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 124     | 5620            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 132     | 5660            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 140     | 5700            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT20 MCS0 | 144     | 5720            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 102     | 5510            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 110     | 5550            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 126     | 5630            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 134     | 5670            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT40 MCS0 | 142     | 5710            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT80 MCS0 | 106     | 5530            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT80 MCS0 | 122     | 5610            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |
| 802.11be-EHT80 MCS0 | 138     | 5690            | Not Required                          | 11.00                           | Not Required                         | 11.00                          | Not Required                    | 14.00                     | Not Required             |

**【5.8GHz WLAN\_Main\_Laptop】**

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11a 6Mbps       | 149     | 5745            | Not Required             | 12.50              | Not Required      |
| 802.11a 6Mbps       | 157     | 5785            | Not Required             | 12.50              | Not Required      |
| 802.11a 6Mbps       | 165     | 5825            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT20 MCS0   | 149     | 5745            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT20 MCS0   | 157     | 5785            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT20 MCS0   | 165     | 5825            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT40 MCS0   | 151     | 5755            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT40 MCS0   | 159     | 5795            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 149     | 5745            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 157     | 5785            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 165     | 5825            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 151     | 5755            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 159     | 5795            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT80 MCS0 | 155     | 5775            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 149     | 5745            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 157     | 5785            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 165     | 5825            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 151     | 5755            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 159     | 5795            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE80 MCS0  | 155     | 5775            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 149     | 5745            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 157     | 5785            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 165     | 5825            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT40 MCS0 | 151     | 5755            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT40 MCS0 | 159     | 5795            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT80 MCS0 | 155     | 5775            | Not Required             | 12.50              | Not Required      |

**【5.8GHz WLAN\_Aux\_Laptop】**

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 149     | 5745            | Not Required            | 12.50             | Not Required     |
| 802.11a 6Mbps       | 157     | 5785            | Not Required            | 12.50             | Not Required     |
| 802.11a 6Mbps       | 165     | 5825            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT20 MCS0   | 149     | 5745            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT20 MCS0   | 157     | 5785            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT20 MCS0   | 165     | 5825            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT40 MCS0   | 151     | 5755            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT40 MCS0   | 159     | 5795            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 149     | 5745            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 157     | 5785            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 165     | 5825            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT40 MCS0 | 151     | 5755            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT40 MCS0 | 159     | 5795            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT80 MCS0 | 155     | 5775            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 149     | 5745            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 157     | 5785            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 165     | 5825            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE40 MCS0  | 151     | 5755            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE40 MCS0  | 159     | 5795            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE80 MCS0  | 155     | 5775            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 149     | 5745            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 157     | 5785            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 165     | 5825            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT40 MCS0 | 151     | 5755            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT40 MCS0 | 159     | 5795            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT80 MCS0 | 155     | 5775            | Not Required            | 12.50             | Not Required     |

**[ 5.8GHz WLAN\_Main\_Tablet ]**

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11a 6Mbps       | 149     | 5745            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 157     | 5785            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 165     | 5825            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 149     | 5745            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 157     | 5785            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 165     | 5825            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 151     | 5755            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 159     | 5795            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 149     | 5745            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 157     | 5785            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 165     | 5825            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 151     | 5755            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 159     | 5795            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT80 MCS0 | 155     | 5775            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 149     | 5745            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 157     | 5785            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 165     | 5825            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 151     | 5755            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 159     | 5795            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE80 MCS0  | 155     | 5775            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 149     | 5745            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 157     | 5785            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 165     | 5825            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT40 MCS0 | 151     | 5755            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT40 MCS0 | 159     | 5795            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT80 MCS0 | 155     | 5775            | Not Required             | 11.00              | Not Required      |

**[ 5.8GHz WLAN\_Aux\_Tablet ]**

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 149     | 5745            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 157     | 5785            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 165     | 5825            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 149     | 5745            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 157     | 5785            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 165     | 5825            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 151     | 5755            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 159     | 5795            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 149     | 5745            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 157     | 5785            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 165     | 5825            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 151     | 5755            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 159     | 5795            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 155     | 5775            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 149     | 5745            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 157     | 5785            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 165     | 5825            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 151     | 5755            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 159     | 5795            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 155     | 5775            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 149     | 5745            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 157     | 5785            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 165     | 5825            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 151     | 5755            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 159     | 5795            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 155     | 5775            | Not Required            | 11.00             | Not Required     |

**【5.8GHz WLAN\_Ant MIMO\_Laptop】**

|                     |         |                 | Ant MIMO(Main)      | Ant MIMO(Main) | Ant MIMO(Aux)       | Ant MIMO(Aux) | Ant MIMO            | Ant MIMO      | Ant MIMO     |
|---------------------|---------|-----------------|---------------------|----------------|---------------------|---------------|---------------------|---------------|--------------|
| Mode                | Channel | Frequency (MHz) | Average Power (dBm) | Tune-Up Limit  | Average Power (dBm) | Tune-Up Limit | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps       | 149     | 5745            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11a 6Mbps       | 157     | 5785            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11a 6Mbps       | 165     | 5825            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11n-HT20 MCS0   | 149     | 5745            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11n-HT20 MCS0   | 157     | 5785            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11n-HT20 MCS0   | 165     | 5825            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11n-HT40 MCS0   | 151     | 5755            | 11.85               | 12.50          | 12.35               | 12.50         | 15.12               | 15.50         | 94.85        |
| 802.11n-HT40 MCS0   | 159     | 5795            | 11.94               | 12.50          | 12.50               | 12.50         | 15.24               | 15.50         | 94.85        |
| 802.11ac-VHT20 MCS0 | 149     | 5745            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT20 MCS0 | 157     | 5785            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT20 MCS0 | 165     | 5825            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT40 MCS0 | 151     | 5755            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT40 MCS0 | 159     | 5795            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT80 MCS0 | 155     | 5775            | 11.70               | 12.50          | 12.10               | 12.50         | 14.91               | 15.50         | 90.50        |
| 802.11ax-HE20 MCS0  | 149     | 5745            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE20 MCS0  | 157     | 5785            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE20 MCS0  | 165     | 5825            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE40 MCS0  | 151     | 5755            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE40 MCS0  | 159     | 5795            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE80 MCS0  | 155     | 5775            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT20 MCS0 | 149     | 5745            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT20 MCS0 | 157     | 5785            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT20 MCS0 | 165     | 5825            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT40 MCS0 | 151     | 5755            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT40 MCS0 | 159     | 5795            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT80 MCS0 | 155     | 5775            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |

**【5.8GHz WLAN\_Ant MIMO\_Tablet】**

|                     |         |                 | Ant MIMO(Main)      | Ant MIMO(Main) | Ant MIMO(Aux)       | Ant MIMO(Aux) | Ant MIMO            | Ant MIMO      | Ant MIMO     |
|---------------------|---------|-----------------|---------------------|----------------|---------------------|---------------|---------------------|---------------|--------------|
| Mode                | Channel | Frequency (MHz) | Average Power (dBm) | Tune-Up Limit  | Average Power (dBm) | Tune-Up Limit | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps       | 149     | 5745            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11a 6Mbps       | 157     | 5785            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11a 6Mbps       | 165     | 5825            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11n-HT20 MCS0   | 149     | 5745            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11n-HT20 MCS0   | 157     | 5785            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11n-HT20 MCS0   | 165     | 5825            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11n-HT40 MCS0   | 151     | 5755            | 10.35               | 11.00          | 10.85               | 11.00         | 13.62               | 14.00         | 94.85        |
| 802.11n-HT40 MCS0   | 159     | 5795            | 9.95                | 11.00          | 10.50               | 11.00         | 13.24               | 14.00         | 94.85        |
| 802.11ac-VHT20 MCS0 | 149     | 5745            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT20 MCS0 | 157     | 5785            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT20 MCS0 | 165     | 5825            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT40 MCS0 | 151     | 5755            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT40 MCS0 | 159     | 5795            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT80 MCS0 | 155     | 5775            | 10.20               | 11.00          | 10.60               | 11.00         | 13.41               | 14.00         | 90.50        |
| 802.11ax-HE20 MCS0  | 149     | 5745            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE20 MCS0  | 157     | 5785            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE20 MCS0  | 165     | 5825            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE40 MCS0  | 151     | 5755            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE40 MCS0  | 159     | 5795            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE80 MCS0  | 155     | 5775            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT20 MCS0 | 149     | 5745            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT20 MCS0 | 157     | 5785            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT20 MCS0 | 165     | 5825            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT40 MCS0 | 151     | 5755            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT40 MCS0 | 159     | 5795            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT80 MCS0 | 155     | 5775            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |

**【5.9GHz WLAN UNII 4\_Main\_Laptop】**

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11a 6Mbps       | 169     | 5845            | Not Required             | 12.50              | Not Required      |
| 802.11a 6Mbps       | 173     | 5865            | Not Required             | 12.50              | Not Required      |
| 802.11a 6Mbps       | 177     | 5885            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT20 MCS0   | 169     | 5845            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT20 MCS0   | 173     | 5865            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT20 MCS0   | 177     | 5885            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT40 MCS0   | 167     | 5835            | Not Required             | 12.50              | Not Required      |
| 802.11n-HT40 MCS0   | 175     | 5875            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 169     | 5845            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 173     | 5865            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT20 MCS0 | 177     | 5885            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 167     | 5835            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT40 MCS0 | 175     | 5875            | Not Required             | 12.50              | Not Required      |
| 802.11ac-VHT80 MCS0 | 171     | 5855            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 169     | 5845            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 173     | 5865            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE20 MCS0  | 177     | 5885            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 167     | 5835            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE40 MCS0  | 175     | 5875            | Not Required             | 12.50              | Not Required      |
| 802.11ax-HE80 MCS0  | 171     | 5855            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 169     | 5845            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 173     | 5865            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT20 MCS0 | 177     | 5885            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT40 MCS0 | 167     | 5835            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT40 MCS0 | 175     | 5875            | Not Required             | 12.50              | Not Required      |
| 802.11be-EHT80 MCS0 | 171     | 5855            | Not Required             | 12.50              | Not Required      |

**【5.9GHz WLAN UNII 4\_Aux\_Laptop】**

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 169     | 5845            | Not Required            | 12.50             | Not Required     |
| 802.11a 6Mbps       | 173     | 5865            | Not Required            | 12.50             | Not Required     |
| 802.11a 6Mbps       | 177     | 5885            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT20 MCS0   | 169     | 5845            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT20 MCS0   | 173     | 5865            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT20 MCS0   | 177     | 5885            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT40 MCS0   | 167     | 5835            | Not Required            | 12.50             | Not Required     |
| 802.11n-HT40 MCS0   | 175     | 5875            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 169     | 5845            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 173     | 5865            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT20 MCS0 | 177     | 5885            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT40 MCS0 | 167     | 5835            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT40 MCS0 | 175     | 5875            | Not Required            | 12.50             | Not Required     |
| 802.11ac-VHT80 MCS0 | 171     | 5855            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 169     | 5845            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 173     | 5865            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE20 MCS0  | 177     | 5885            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE40 MCS0  | 167     | 5835            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE40 MCS0  | 175     | 5875            | Not Required            | 12.50             | Not Required     |
| 802.11ax-HE80 MCS0  | 171     | 5855            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 169     | 5845            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 173     | 5865            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT20 MCS0 | 177     | 5885            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT40 MCS0 | 167     | 5835            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT40 MCS0 | 175     | 5875            | Not Required            | 12.50             | Not Required     |
| 802.11be-EHT80 MCS0 | 171     | 5855            | Not Required            | 12.50             | Not Required     |

**【5.9GHz WLAN UNII 4\_Main\_Tablet】**

| Mode                | Channel | Frequency (MHz) | Main Average Power (dBm) | Main Tune-Up Limit | Main Duty Cycle % |
|---------------------|---------|-----------------|--------------------------|--------------------|-------------------|
| 802.11a 6Mbps       | 169     | 5845            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 173     | 5865            | Not Required             | 11.00              | Not Required      |
| 802.11a 6Mbps       | 177     | 5885            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 169     | 5845            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 173     | 5865            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT20 MCS0   | 177     | 5885            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 167     | 5835            | Not Required             | 11.00              | Not Required      |
| 802.11n-HT40 MCS0   | 175     | 5875            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 169     | 5845            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 173     | 5865            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT20 MCS0 | 177     | 5885            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 167     | 5835            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT40 MCS0 | 175     | 5875            | Not Required             | 11.00              | Not Required      |
| 802.11ac-VHT80 MCS0 | 171     | 5855            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 169     | 5845            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 173     | 5865            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE20 MCS0  | 177     | 5885            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 167     | 5835            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE40 MCS0  | 175     | 5875            | Not Required             | 11.00              | Not Required      |
| 802.11ax-HE80 MCS0  | 171     | 5855            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 169     | 5845            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 173     | 5865            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT20 MCS0 | 177     | 5885            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT40 MCS0 | 167     | 5835            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT40 MCS0 | 175     | 5875            | Not Required             | 11.00              | Not Required      |
| 802.11be-EHT80 MCS0 | 171     | 5855            | Not Required             | 11.00              | Not Required      |

**【5.9GHz WLAN UNII 4\_Aux\_Tablet】**

| Mode                | Channel | Frequency (MHz) | Aux Average Power (dBm) | Aux Tune-Up Limit | Aux Duty Cycle % |
|---------------------|---------|-----------------|-------------------------|-------------------|------------------|
| 802.11a 6Mbps       | 169     | 5845            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 173     | 5865            | Not Required            | 11.00             | Not Required     |
| 802.11a 6Mbps       | 177     | 5885            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 169     | 5845            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 173     | 5865            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT20 MCS0   | 177     | 5885            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 167     | 5835            | Not Required            | 11.00             | Not Required     |
| 802.11n-HT40 MCS0   | 175     | 5875            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 169     | 5845            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 173     | 5865            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT20 MCS0 | 177     | 5885            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 167     | 5835            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT40 MCS0 | 175     | 5875            | Not Required            | 11.00             | Not Required     |
| 802.11ac-VHT80 MCS0 | 171     | 5855            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 169     | 5845            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 173     | 5865            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE20 MCS0  | 177     | 5885            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 167     | 5835            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE40 MCS0  | 175     | 5875            | Not Required            | 11.00             | Not Required     |
| 802.11ax-HE80 MCS0  | 171     | 5855            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 169     | 5845            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 173     | 5865            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT20 MCS0 | 177     | 5885            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 167     | 5835            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT40 MCS0 | 175     | 5875            | Not Required            | 11.00             | Not Required     |
| 802.11be-EHT80 MCS0 | 171     | 5855            | Not Required            | 11.00             | Not Required     |

**【5.9GHz WLAN UNII 4\_Ant MIMO\_Laptop】**

|                     |         |                 | Ant MIMO(Main)      | Ant MIMO(Main) | Ant MIMO(Aux)       | Ant MIMO(Aux) | Ant MIMO            | Ant MIMO      | Ant MIMO     |
|---------------------|---------|-----------------|---------------------|----------------|---------------------|---------------|---------------------|---------------|--------------|
| Mode                | Channel | Frequency (MHz) | Average Power (dBm) | Tune-Up Limit  | Average Power (dBm) | Tune-Up Limit | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps       | 169     | 5845            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11a 6Mbps       | 173     | 5865            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11a 6Mbps       | 177     | 5885            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11n-HT20 MCS0   | 169     | 5845            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11n-HT20 MCS0   | 173     | 5865            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11n-HT20 MCS0   | 177     | 5885            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11n-HT40 MCS0   | 167     | 5835            | 11.66               | 12.50          | 12.07               | 12.50         | 14.88               | 15.50         | 94.85        |
| 802.11n-HT40 MCS0   | 175     | 5875            | 11.62               | 12.50          | 12.12               | 12.50         | 14.89               | 15.50         | 94.85        |
| 802.11ac-VHT20 MCS0 | 169     | 5845            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT20 MCS0 | 173     | 5865            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT20 MCS0 | 177     | 5885            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT40 MCS0 | 167     | 5835            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT40 MCS0 | 175     | 5875            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ac-VHT80 MCS0 | 171     | 5855            | 11.73               | 12.50          | 12.32               | 12.50         | 15.05               | 15.50         | 90.50        |
| 802.11ax-HE20 MCS0  | 169     | 5845            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE20 MCS0  | 173     | 5865            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE20 MCS0  | 177     | 5885            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE40 MCS0  | 167     | 5835            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE40 MCS0  | 175     | 5875            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11ax-HE80 MCS0  | 171     | 5855            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT20 MCS0 | 169     | 5845            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT20 MCS0 | 173     | 5865            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT20 MCS0 | 177     | 5885            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT40 MCS0 | 167     | 5835            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT40 MCS0 | 175     | 5875            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |
| 802.11be-EHT80 MCS0 | 171     | 5855            | Not Required        | 12.50          | Not Required        | 12.50         | Not Required        | 15.50         | Not Required |

**【5.9GHz WLAN UNII 4\_Ant MIMO\_Tablet】**

|                     |         |                 | Ant MIMO(Main)      | Ant MIMO(Main) | Ant MIMO(Aux)       | Ant MIMO(Aux) | Ant MIMO            | Ant MIMO      | Ant MIMO     |
|---------------------|---------|-----------------|---------------------|----------------|---------------------|---------------|---------------------|---------------|--------------|
| Mode                | Channel | Frequency (MHz) | Average Power (dBm) | Tune-Up Limit  | Average Power (dBm) | Tune-Up Limit | Average Power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps       | 169     | 5845            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11a 6Mbps       | 173     | 5865            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11a 6Mbps       | 177     | 5885            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11n-HT20 MCS0   | 169     | 5845            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11n-HT20 MCS0   | 173     | 5865            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11n-HT20 MCS0   | 177     | 5885            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11n-HT40 MCS0   | 167     | 5835            | 10.15               | 11.00          | 10.55               | 11.00         | 13.36               | 14.00         | 94.85        |
| 802.11n-HT40 MCS0   | 175     | 5875            | 10.15               | 11.00          | 10.65               | 11.00         | 13.42               | 14.00         | 94.85        |
| 802.11ac-VHT20 MCS0 | 169     | 5845            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT20 MCS0 | 173     | 5865            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT20 MCS0 | 177     | 5885            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT40 MCS0 | 167     | 5835            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT40 MCS0 | 175     | 5875            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ac-VHT80 MCS0 | 171     | 5855            | 10.25               | 11.00          | 10.80               | 11.00         | 13.54               | 14.00         | 90.50        |
| 802.11ax-HE20 MCS0  | 169     | 5845            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE20 MCS0  | 173     | 5865            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE20 MCS0  | 177     | 5885            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE40 MCS0  | 167     | 5835            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE40 MCS0  | 175     | 5875            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11ax-HE80 MCS0  | 171     | 5855            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT20 MCS0 | 169     | 5845            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT20 MCS0 | 173     | 5865            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT20 MCS0 | 177     | 5885            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT40 MCS0 | 167     | 5835            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT40 MCS0 | 175     | 5875            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |
| 802.11be-EHT80 MCS0 | 171     | 5855            | Not Required        | 11.00          | Not Required        | 11.00         | Not Required        | 14.00         | Not Required |

**< 2.4GHz Bluetooth >****【Bluetooth\_Laptop】**

| Mode           | Channel | Frequency (MHz) | Aux<br>Average<br>Power<br>(dBm) | Aux<br>Tune-Up<br>Limit | Aux<br>Duty<br>Cycle % |
|----------------|---------|-----------------|----------------------------------|-------------------------|------------------------|
| BR / EDR 1Mbps | 0       | 2402            | 12.75                            | 13.00                   | 76.80                  |
| BR / EDR 1Mbps | 39      | 2441            | 12.96                            | 13.00                   | 76.80                  |
| BR / EDR 1Mbps | 78      | 2480            | 12.61                            | 13.00                   | 76.80                  |
| BR / EDR 2Mbps | 0       | 2402            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 2Mbps | 39      | 2441            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 2Mbps | 78      | 2480            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 3Mbps | 0       | 2402            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 3Mbps | 39      | 2441            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 3Mbps | 78      | 2480            | Not Required                     | 11.50                   | Not Required           |
| LE 125kbps     | 0       | 2402            | Not Required                     | 13.00                   | Not Required           |
| LE 125kbps     | 19      | 2440            | Not Required                     | 13.00                   | Not Required           |
| LE 125kbps     | 39      | 2480            | Not Required                     | 13.00                   | Not Required           |
| LE 500kbps     | 0       | 2402            | Not Required                     | 13.00                   | Not Required           |
| LE 500kbps     | 19      | 2440            | Not Required                     | 13.00                   | Not Required           |
| LE 500kbps     | 39      | 2480            | Not Required                     | 13.00                   | Not Required           |
| LE 1Mbps       | 0       | 2402            | Not Required                     | 13.00                   | Not Required           |
| LE 1Mbps       | 19      | 2440            | Not Required                     | 13.00                   | Not Required           |
| LE 1Mbps       | 39      | 2480            | Not Required                     | 13.00                   | Not Required           |
| LE 2Mbps       | 0       | 2402            | Not Required                     | 12.50                   | Not Required           |
| LE 2Mbps       | 19      | 2440            | Not Required                     | 13.00                   | Not Required           |
| LE 2Mbps       | 39      | 2480            | Not Required                     | 13.00                   | Not Required           |

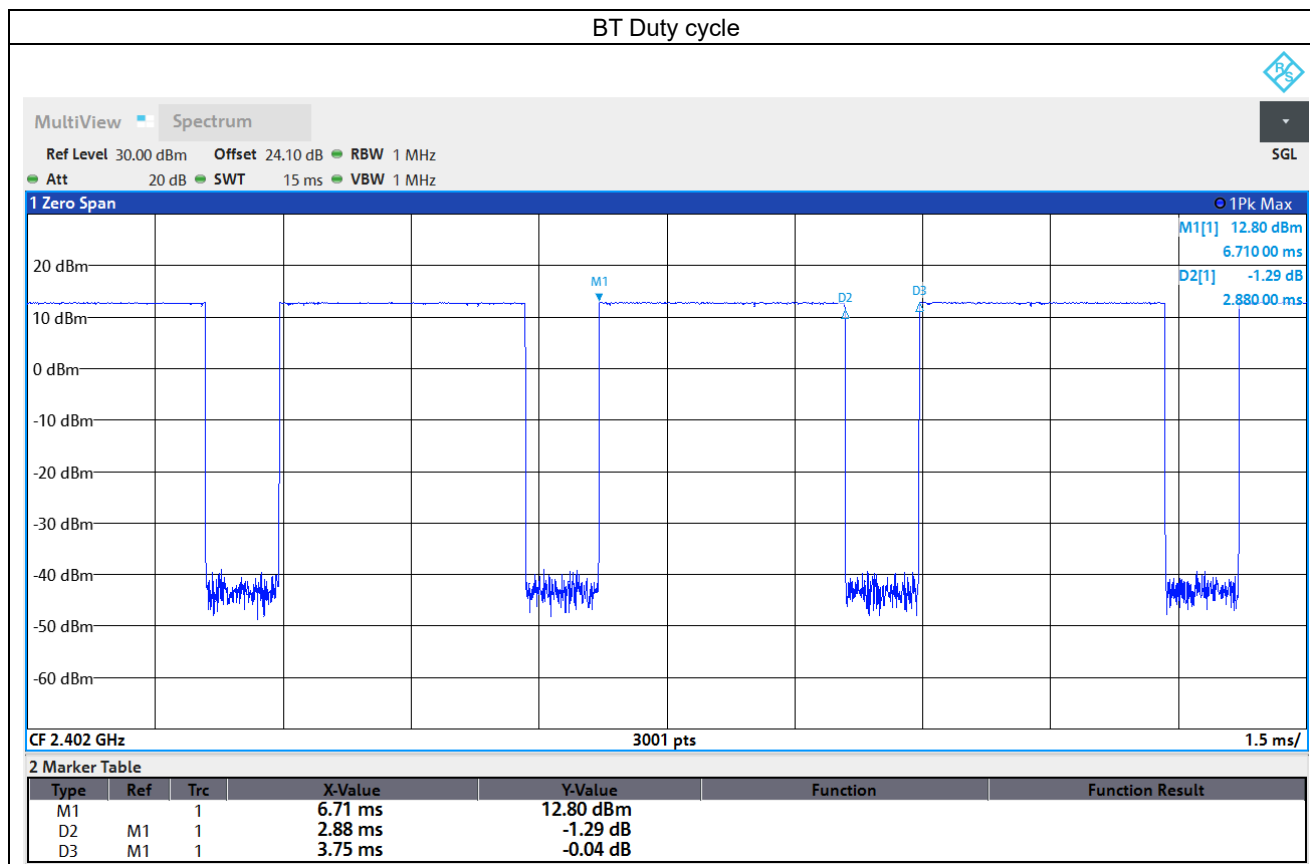
**【Bluetooth\_Tablet】**

| Mode           | Channel | Frequency (MHz) | Aux<br>Average<br>Power<br>(dBm) | Aux<br>Tune-Up<br>Limit | Aux<br>Duty<br>Cycle % |
|----------------|---------|-----------------|----------------------------------|-------------------------|------------------------|
| BR / EDR 1Mbps | 0       | 2402            | 12.00                            | 13.00                   | 76.80                  |
| BR / EDR 1Mbps | 39      | 2441            | 12.96                            | 13.00                   | 76.80                  |
| BR / EDR 1Mbps | 78      | 2480            | 12.61                            | 13.00                   | 76.80                  |
| BR / EDR 2Mbps | 0       | 2402            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 2Mbps | 39      | 2441            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 2Mbps | 78      | 2480            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 3Mbps | 0       | 2402            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 3Mbps | 39      | 2441            | Not Required                     | 11.50                   | Not Required           |
| BR / EDR 3Mbps | 78      | 2480            | Not Required                     | 11.50                   | Not Required           |
| LE 125kbps     | 0       | 2402            | Not Required                     | 13.00                   | Not Required           |
| LE 125kbps     | 19      | 2440            | Not Required                     | 13.00                   | Not Required           |
| LE 125kbps     | 39      | 2480            | Not Required                     | 13.00                   | Not Required           |
| LE 500kbps     | 0       | 2402            | Not Required                     | 13.00                   | Not Required           |
| LE 500kbps     | 19      | 2440            | Not Required                     | 13.00                   | Not Required           |
| LE 500kbps     | 39      | 2480            | Not Required                     | 13.00                   | Not Required           |
| LE 1Mbps       | 0       | 2402            | Not Required                     | 13.00                   | Not Required           |
| LE 1Mbps       | 19      | 2440            | Not Required                     | 13.00                   | Not Required           |
| LE 1Mbps       | 39      | 2480            | Not Required                     | 13.00                   | Not Required           |
| LE 2Mbps       | 0       | 2402            | Not Required                     | 12.50                   | Not Required           |
| LE 2Mbps       | 19      | 2440            | Not Required                     | 13.00                   | Not Required           |
| LE 2Mbps       | 39      | 2480            | Not Required                     | 13.00                   | Not Required           |



## General Note:

- For 2.4GHz Bluetooth SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.8% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



**< SAR test exclusion table >**
**General Note:**

1. The below table, when the distance is < 50 mm exclusion threshold is "Ratio", when the distance is > 50 mm exclusion threshold is "mW"
2. Maximum power is the source-based time-average power and represents the maximum RF output power among production units
3. Per KDB 447498 D01v06, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
4. Per KDB 447498 D01v06, standalone SAR test exclusion threshold is applied; If the test separation distance is < 5mm, 5mm is used to determine SAR exclusion threshold.
5. Per KDB 447498 D01v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:  

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$
  - f(GHz) is the RF channel transmit frequency in GHz
  - Power and distance are rounded to the nearest mW and mm before calculation
  - The result is rounded to one decimal place for comparison
6. Per KDB 447498 D01v06, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
  - a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · (f(MHz)/150)] mW, at 100 MHz to 1500 MHz
  - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at > 1500 MHz and ≤ 6 GHz

**<Laptop Mode>**

| Exposure Position | Wireless Interface         | BT Aux | 2.4GHz WLAN Main | 2.4GHz WLAN Aux | 5GHz WLAN Main | 5GHz WLAN Aux |
|-------------------|----------------------------|--------|------------------|-----------------|----------------|---------------|
|                   | Calculated Frequency (MHz) | 2480   | 2472             | 2472            | 5290           | 5290          |
|                   | Maximum power (dBm)        | 13.0   | 17.0             | 17.0            | 12.5           | 12.5          |
|                   | Maximum rated power(mW)    | 19.95  | 50.12            | 50.12           | 17.78          | 17.78         |
| Bottom Side       | Separation distance(mm)    | 6.6    | 6.6              | 6.6             | 6.6            | 6.6           |
|                   | exclusion threshold        | 4.8    | 12.0             | 12.0            | 6.2            | 6.2           |
|                   | Testing required?          | Yes    | Yes              | Yes             | Yes            | Yes           |

**<Tablet Mode>**

| Exposure Position | Wireless Interface         | BT Aux | 2.4GHz WLAN Main | 2.4GHz WLAN Aux | 5GHz WLAN Main | 5GHz WLAN Aux |
|-------------------|----------------------------|--------|------------------|-----------------|----------------|---------------|
|                   | Calculated Frequency (MHz) | 2480   | 2472             | 2472            | 5530           | 5855          |
|                   | Maximum power (dBm)        | 13.0   | 14.5             | 14.5            | 11.0           | 11.0          |
|                   | Maximum rated power(mW)    | 19.95  | 28.18            | 28.18           | 12.59          | 12.59         |
| Back              | Separation distance(mm)    | 5.0    | 5.0              | 5.0             | 5.0            | 5.0           |
|                   | exclusion threshold        | 6.3    | 8.9              | 8.9             | 5.9            | 6.1           |
|                   | Testing required?          | Yes    | Yes              | Yes             | Yes            | Yes           |
| Left              | Separation distance(mm)    | 5.0    | 323.6            | 5.0             | 323.6          | 5.0           |
|                   | exclusion threshold        | 6.3    | 2831.0           | 8.9             | 2800.0         | 6.1           |
|                   | Testing required?          | Yes    | No               | Yes             | No             | Yes           |
| Right             | Separation distance(mm)    | 323.6  | 5.0              | 323.6           | 5.0            | 323.6         |
|                   | exclusion threshold        | 2831.0 | 8.9              | 2831.0          | 5.9            | 2798.0        |
|                   | Testing required?          | No     | Yes              | No              | Yes            | No            |
| Top               | Separation distance(mm)    | 23.5   | 23.5             | 23.5            | 23.5           | 23.5          |
|                   | exclusion threshold        | 1.3    | 1.9              | 1.9             | 1.3            | 1.3           |
|                   | Testing required?          | No     | No               | No              | No             | No            |

## **12. SAR Test Results**

### **General Note:**

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
  - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
  - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
  - c. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)\* Duty Cycle scaling factor \* Tune-up scaling factor
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
  - $\leq 0.8$  W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is  $\leq 100$  MHz
  - $\leq 0.6$  W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
  - $\leq 0.4$  W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is  $\geq 200$  MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.

### **WLAN Note:**

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg.
2. Per KDB 248227 D01v02r02, WLAN5.2GHz SAR testing is not required for hotspot and body-worn condition when the WLAN5.3GHz band highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for WLAN5.2GHz band.
3. When the reported SAR of the test position is  $> 0.4$  W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is  $\leq 0.8$  W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is  $> 0.8$  W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is  $\leq 1.2$  W/kg or all required channels are tested.
5. For determining the SAR scaling factor in MIMO mode, if the RF hot spots are spatially separated, the scaling factors are individually derived from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined based on the worst number observed among all transmit chains.
6. During SAR testing, the WLAN transmit signal was continuously monitored using a spectrum analyzer to ensure continuous and stable signal output throughout the measurement.

**12.1 Body SAR**

【WLAN 2.4GHz\_5GHz SAR】

| Plot No | Band       | Mode                | Test Position | Gap (mm) | Antenna        | Configuration | Ch. | Freq. (MHz) | Antenna Vendor | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-Up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---------|------------|---------------------|---------------|----------|----------------|---------------|-----|-------------|----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 1   | 2412        | HTK            | 16.68               | 17.00               | 1.076                  | 99.68        | 1.003                     | -0.17            | 0.715                  | 0.772                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 1   | 2412        | HTK            | 16.22               | 17.00               | 1.197                  | 99.68        | 1.003                     | 0.05             | 0.701                  | 0.842                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 6   | 2437        | HTK            | 16.69               | 17.00               | 1.074                  | 99.68        | 1.003                     | 0.16             | 0.816                  | 0.879                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 6   | 2437        | HTK            | 16.14               | 17.00               | 1.219                  | 99.68        | 1.003                     | -0.11            | 0.742                  | 0.907                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 11  | 2462        | HTK            | 16.64               | 17.00               | 1.086                  | 99.68        | 1.003                     | -0.13            | 0.797                  | 0.868                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 11  | 2462        | HTK            | 16.17               | 17.00               | 1.211                  | 99.68        | 1.003                     | 0.16             | 0.721                  | 0.876                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 1   | 2412        | Pulse          | 16.22               | 17.00               | 1.197                  | 99.68        | 1.003                     | 0.17             | 0.735                  | 0.882                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 1   | 2412        | Pulse          | 16.68               | 17.00               | 1.076                  | 99.68        | 1.003                     | 0.03             | 0.459                  | 0.495                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 6   | 2437        | Pulse          | 16.69               | 17.00               | 1.074                  | 99.68        | 1.003                     | -0.03            | 0.491                  | 0.529                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 6   | 2437        | Pulse          | 16.14               | 17.00               | 1.219                  | 99.68        | 1.003                     | -0.03            | 0.694                  | 0.849                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 11  | 2462        | Pulse          | 16.64               | 17.00               | 1.086                  | 99.68        | 1.003                     | -0.07            | 0.434                  | 0.473                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 11  | 2462        | Pulse          | 16.17               | 17.00               | 1.211                  | 99.68        | 1.003                     | -0.14            | 0.728                  | 0.884                  |
| 01      | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 1   | 2412        | HTK            | 14.16               | 14.50               | 1.081                  | 99.68        | 1.003                     | -0.02            | 0.725                  | 0.786                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 1   | 2412        | HTK            | 13.70               | 14.50               | 1.202                  | 99.68        | 1.003                     | -0.00            | 0.939                  | 1.132                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 6   | 2437        | HTK            | 14.18               | 14.50               | 1.076                  | 99.68        | 1.003                     | 0.15             | 0.711                  | 0.767                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 6   | 2437        | HTK            | 13.66               | 14.50               | 1.213                  | 99.68        | 1.003                     | -0.07            | 0.772                  | 0.939                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 11  | 2462        | HTK            | 14.15               | 14.50               | 1.084                  | 99.68        | 1.003                     | -0.06            | 0.720                  | 0.783                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 11  | 2462        | HTK            | 13.65               | 14.50               | 1.216                  | 99.68        | 1.003                     | -0.15            | 0.917                  | 1.118                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 12  | 2467        | HTK            | 14.15               | 14.50               | 1.084                  | 99.68        | 1.003                     | -0.03            | 0.721                  | 0.784                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 12  | 2467        | HTK            | 13.63               | 14.50               | 1.222                  | 99.68        | 1.003                     | -0.18            | 0.872                  | 1.069                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Right         | 0mm      | Ant MIMO(Main) | Tablet        | 1   | 2412        | HTK            | 14.16               | 14.50               | 1.081                  | 99.68        | 1.003                     | 0.01             | 0.299                  | 0.324                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Right         | 0mm      | Ant MIMO(Aux)  | Tablet        | 1   | 2412        | HTK            | 13.70               | 14.50               | 1.202                  | 99.68        | 1.003                     | -0.13            | 0.001                  | 0.001                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Left          | 0mm      | Ant MIMO(Main) | Tablet        | 1   | 2412        | HTK            | 14.16               | 14.50               | 1.081                  | 99.68        | 1.003                     | -0.01            | 0.001                  | 0.001                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Left          | 0mm      | Ant MIMO(Aux)  | Tablet        | 1   | 2412        | HTK            | 13.70               | 14.50               | 1.202                  | 99.68        | 1.003                     | -0.04            | 0.303                  | 0.365                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 1   | 2412        | Pulse          | 14.16               | 14.50               | 1.081                  | 99.68        | 1.003                     | 0.10             | 0.612                  | 0.664                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 1   | 2412        | Pulse          | 13.70               | 14.50               | 1.202                  | 99.68        | 1.003                     | -0.10            | 0.783                  | 0.944                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 6   | 2437        | Pulse          | 14.18               | 14.50               | 1.076                  | 99.68        | 1.003                     | 0.10             | 0.689                  | 0.744                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 6   | 2437        | Pulse          | 13.66               | 14.50               | 1.213                  | 99.68        | 1.003                     | 0.06             | 0.768                  | 0.934                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 11  | 2462        | Pulse          | 14.15               | 14.50               | 1.084                  | 99.68        | 1.003                     | -0.11            | 0.677                  | 0.736                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 11  | 2462        | Pulse          | 13.65               | 14.50               | 1.216                  | 99.68        | 1.003                     | 0.07             | 0.765                  | 0.933                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 12  | 2467        | Pulse          | 14.15               | 14.50               | 1.084                  | 99.68        | 1.003                     | 0.11             | 0.596                  | 0.648                  |
|         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 12  | 2467        | Pulse          | 13.63               | 14.50               | 1.222                  | 99.68        | 1.003                     | 0.17             | 0.777                  | 0.952                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 58  | 5290        | HTK            | 13.68               | 14.50               | 1.208                  | 90.5         | 1.105                     | -0.04            | 0.595                  | 0.794                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 58  | 5290        | HTK            | 14.28               | 14.50               | 1.052                  | 90.5         | 1.105                     | 0.11             | 0.538                  | 0.625                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 58  | 5290        | Pulse          | 13.68               | 14.50               | 1.208                  | 90.5         | 1.105                     | -0.01            | 0.656                  | 0.876                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 58  | 5290        | Pulse          | 14.28               | 14.50               | 1.052                  | 90.5         | 1.105                     | 0.03             | 0.621                  | 0.722                  |
|         | WLAN5GHz   | 802.11n-HT40 MCS0   | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 54  | 5270        | Pulse          | 13.91               | 14.50               | 1.146                  | 94.85        | 1.054                     | 0.02             | 0.675                  | 0.815                  |
|         | WLAN5GHz   | 802.11n-HT40 MCS0   | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 54  | 5270        | Pulse          | 14.42               | 14.50               | 1.019                  | 94.85        | 1.054                     | -0.18            | 0.535                  | 0.575                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 58  | 5290        | HTK            | 10.17               | 11.00               | 1.211                  | 90.5         | 1.105                     | -0.16            | 0.639                  | 0.855                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 58  | 5290        | HTK            | 10.82               | 11.00               | 1.042                  | 90.5         | 1.105                     | -0.01            | 0.481                  | 0.554                  |
|         | WLAN5GHz   | 802.11n-HT40 MCS0   | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 54  | 5270        | HTK            | 10.45               | 11.00               | 1.135                  | 94.85        | 1.054                     | 0.01             | 0.678                  | 0.811                  |
|         | WLAN5GHz   | 802.11n-HT40 MCS0   | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 54  | 5270        | HTK            | 10.94               | 11.00               | 1.014                  | 94.85        | 1.054                     | -0.06            | 0.562                  | 0.601                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Right         | 0mm      | Ant MIMO(Main) | Tablet        | 58  | 5290        | HTK            | 10.17               | 11.00               | 1.211                  | 90.5         | 1.105                     | -0.03            | 0.267                  | 0.357                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Right         | 0mm      | Ant MIMO(Aux)  | Tablet        | 58  | 5290        | HTK            | 10.82               | 11.00               | 1.042                  | 90.5         | 1.105                     | 0.19             | 0.001                  | 0.001                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Left          | 0mm      | Ant MIMO(Main) | Tablet        | 58  | 5290        | HTK            | 10.17               | 11.00               | 1.211                  | 90.5         | 1.105                     | 0.18             | 0.001                  | 0.001                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Left          | 0mm      | Ant MIMO(Aux)  | Tablet        | 58  | 5290        | HTK            | 10.82               | 11.00               | 1.042                  | 90.5         | 1.105                     | 0.04             | 0.287                  | 0.330                  |
| 02      | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 58  | 5290        | Pulse          | 10.17               | 11.00               | 1.211                  | 90.5         | 1.105                     | 0.02             | 0.769                  | 1.029                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 58  | 5290        | Pulse          | 10.82               | 11.00               | 1.042                  | 90.5         | 1.105                     | 0.04             | 0.645                  | 0.743                  |
|         | WLAN5GHz   | 802.11n-HT40 MCS0   | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 54  | 5270        | Pulse          | 10.45               | 11.00               | 1.135                  | 94.85        | 1.054                     | 0.18             | 0.772                  | 0.924                  |
|         | WLAN5GHz   | 802.11n-HT40 MCS0   | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 54  | 5270        | Pulse          | 10.94               | 11.00               | 1.014                  | 94.85        | 1.054                     | -0.01            | 0.790                  | 0.844                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 138 | 5690        | HTK            | 13.43               | 14.00               | 1.14                   | 90.5         | 1.105                     | -0.17            | 0.757                  | 0.954                  |
| 03      | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 138 | 5690        | HTK            | 13.81               | 14.00               | 1.045                  | 90.5         | 1.105                     | 0.18             | 0.814                  | 0.940                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 122 | 5610        | HTK            | 13.36               | 14.00               | 1.159                  | 90.5         | 1.105                     | 0.01             | 0.848                  | 1.086                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 122 | 5610        | HTK            | 13.87               | 14.00               | 1.03                   | 90.5         | 1.105                     | -0.05            | 0.847                  | 0.964                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 122 | 5610        | Pulse          | 13.36               | 14.00               | 1.159                  | 90.5         | 1.105                     | -0.14            | 0.799                  | 1.023                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 122 | 5610        | Pulse          | 13.87               | 14.00               | 1.03                   | 90.5         | 1.105                     | -0.17            | 0.840                  | 0.956                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 138 | 5690        | Pulse          | 13.43               | 14.00               | 1.14                   | 90.5         | 1.105                     | -0.05            | 0.746                  | 0.940                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 138 | 5690        | Pulse          | 13.81               | 14.00               | 1.045                  | 90.5         | 1.105                     | 0.09             | 0.696                  | 0.804                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Main) | Laptop        | 106 | 5530        | Pulse          | 13.18               | 14.00               | 1.208                  | 90.5         | 1.105                     | 0.12             | 0.653                  | 0.872                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0mm      | Ant MIMO(Aux)  | Laptop        | 106 | 5530        | Pulse          | 13.70               | 14.00               | 1.072                  | 90.5         | 1.105                     | -0.15            | 0.643                  | 0.762                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 138 | 5690        | HTK            | 10.44               | 11.00               | 1.138                  | 90.5         | 1.105                     | -0.07            | 0.542                  | 0.682                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant MIMO(Aux)  | Tablet        | 138 | 5690        | HTK            | 10.79               | 11.00               | 1.05                   | 90.5         | 1.105                     | -0.10            | 0.627                  | 0.727                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Right         | 0mm      | Ant MIMO(Main) | Tablet        | 138 | 5690        | HTK            | 10.44               | 11.00               | 1.138                  | 90.5         | 1.105                     | -0.13            | 0.258                  | 0.324                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Right         | 0mm      | Ant MIMO(Aux)  | Tablet        | 138 | 5690        | HTK            | 10.79               | 11.00               | 1.05                   | 90.5         | 1.105                     | -0.16            | 0.001                  | 0.001                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Left          | 0mm      | Ant MIMO(Main) | Tablet        | 138 | 5690        | HTK            | 10.44               | 11.00               | 1.138                  | 90.5         | 1.105                     | 0.05             | 0.001                  | 0.001                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Left          | 0mm      | Ant MIMO(Aux)  | Tablet        | 138 | 5690        | HTK            | 10.79               | 11.00               | 1.05                   | 90.5         | 1.105                     | 0.14             | 0.325                  | 0.377                  |
|         | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant MIMO(Main) | Tablet        | 138 | 5690        | Pulse          | 10.44               | 11.00               | 1.138                  | 90.5         | 1.105                     | 0.15             | 0.760                  | 0.956                  |



# FCC SAR TEST REPORT

Report No. : FA501609-06

|    |          |                     |             |     |                |        |     |      |       |       |       |       |       |       |       |       |       |
|----|----------|---------------------|-------------|-----|----------------|--------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 04 | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 138 | 5690 | Pulse | 10.79 | 11.00 | 1.05  | 90.5  | 1.105 | -0.15 | 0.710 | 0.824 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 106 | 5530 | Pulse | 10.20 | 11.00 | 1.202 | 90.5  | 1.105 | -0.01 | 0.771 | 1.024 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 106 | 5530 | Pulse | 10.70 | 11.00 | 1.072 | 90.5  | 1.105 | 0.06  | 0.673 | 0.797 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 122 | 5610 | Pulse | 10.34 | 11.00 | 1.164 | 90.5  | 1.105 | -0.03 | 0.804 | 1.034 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 122 | 5610 | Pulse | 10.86 | 11.00 | 1.033 | 90.5  | 1.105 | 0.06  | 0.732 | 0.836 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Bottom Side | 0mm | Ant MIMO(Main) | Laptop | 155 | 5775 | HTK   | 11.70 | 12.50 | 1.202 | 90.5  | 1.105 | -0.14 | 0.614 | 0.816 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Bottom Side | 0mm | Ant MIMO(Aux)  | Laptop | 155 | 5775 | HTK   | 12.10 | 12.50 | 1.096 | 90.5  | 1.105 | 0.09  | 0.653 | 0.791 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Bottom Side | 0mm | Ant MIMO(Main) | Laptop | 159 | 5795 | HTK   | 11.94 | 12.50 | 1.138 | 94.85 | 1.054 | -0.03 | 0.688 | 0.825 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Bottom Side | 0mm | Ant MIMO(Aux)  | Laptop | 159 | 5795 | HTK   | 12.50 | 12.50 | 1.0   | 94.85 | 1.054 | -0.00 | 0.669 | 0.705 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Bottom Side | 0mm | Ant MIMO(Main) | Laptop | 159 | 5795 | Pulse | 11.94 | 12.50 | 1.138 | 94.85 | 1.054 | 0.09  | 0.683 | 0.819 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Bottom Side | 0mm | Ant MIMO(Aux)  | Laptop | 159 | 5795 | Pulse | 12.50 | 12.50 | 1.0   | 94.85 | 1.054 | -0.18 | 0.593 | 0.625 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 155 | 5775 | HTK   | 10.20 | 11.00 | 1.202 | 90.5  | 1.105 | -0.06 | 0.543 | 0.721 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 155 | 5775 | HTK   | 10.60 | 11.00 | 1.096 | 90.5  | 1.105 | -0.19 | 0.642 | 0.778 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Right       | 0mm | Ant MIMO(Main) | Tablet | 155 | 5775 | HTK   | 10.20 | 11.00 | 1.202 | 90.5  | 1.105 | 0.00  | 0.295 | 0.392 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Right       | 0mm | Ant MIMO(Aux)  | Tablet | 155 | 5775 | HTK   | 10.60 | 11.00 | 1.096 | 90.5  | 1.105 | -0.08 | 0.001 | 0.001 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left        | 0mm | Ant MIMO(Main) | Tablet | 155 | 5775 | HTK   | 10.20 | 11.00 | 1.202 | 90.5  | 1.105 | -0.06 | 0.001 | 0.001 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left        | 0mm | Ant MIMO(Aux)  | Tablet | 155 | 5775 | HTK   | 10.60 | 11.00 | 1.096 | 90.5  | 1.105 | 0.06  | 0.525 | 0.636 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 155 | 5775 | Pulse | 10.20 | 11.00 | 1.202 | 90.5  | 1.105 | -0.05 | 0.598 | 0.794 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 155 | 5775 | Pulse | 10.60 | 11.00 | 1.096 | 90.5  | 1.105 | -0.01 | 0.554 | 0.671 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Back        | 0mm | Ant MIMO(Main) | Tablet | 151 | 5755 | Pulse | 10.35 | 11.00 | 1.161 | 94.85 | 1.054 | -0.00 | 0.504 | 0.617 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 151 | 5755 | Pulse | 10.85 | 11.00 | 1.035 | 94.85 | 1.054 | 0.07  | 0.395 | 0.431 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Bottom Side | 0mm | Ant MIMO(Main) | Laptop | 171 | 5855 | HTK   | 11.73 | 12.50 | 1.194 | 90.5  | 1.105 | 0.02  | 0.486 | 0.641 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Bottom Side | 0mm | Ant MIMO(Aux)  | Laptop | 171 | 5855 | HTK   | 12.32 | 12.50 | 1.042 | 90.5  | 1.105 | -0.03 | 0.448 | 0.516 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Bottom Side | 0mm | Ant MIMO(Main) | Laptop | 171 | 5855 | Pulse | 11.73 | 12.50 | 1.194 | 90.5  | 1.105 | -0.13 | 0.464 | 0.612 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Bottom Side | 0mm | Ant MIMO(Aux)  | Laptop | 171 | 5855 | Pulse | 12.32 | 12.50 | 1.042 | 90.5  | 1.105 | 0.09  | 0.466 | 0.537 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 171 | 5855 | HTK   | 10.25 | 11.00 | 1.189 | 90.5  | 1.105 | 0.13  | 0.732 | 0.962 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 171 | 5855 | HTK   | 10.80 | 11.00 | 1.047 | 90.5  | 1.105 | 0.05  | 0.673 | 0.779 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Back        | 0mm | Ant MIMO(Main) | Tablet | 175 | 5875 | HTK   | 10.15 | 11.00 | 1.216 | 94.85 | 1.054 | -0.11 | 0.817 | 1.047 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 175 | 5875 | HTK   | 10.65 | 11.00 | 1.084 | 94.85 | 1.054 | -0.02 | 0.814 | 0.930 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Right       | 0mm | Ant MIMO(Main) | Tablet | 171 | 5855 | HTK   | 10.25 | 11.00 | 1.189 | 90.5  | 1.105 | 0.11  | 0.430 | 0.565 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Right       | 0mm | Ant MIMO(Aux)  | Tablet | 171 | 5855 | HTK   | 10.80 | 11.00 | 1.047 | 90.5  | 1.105 | 0.04  | 0.001 | 0.001 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left        | 0mm | Ant MIMO(Main) | Tablet | 171 | 5855 | HTK   | 10.25 | 11.00 | 1.189 | 90.5  | 1.105 | 0.07  | 0.001 | 0.001 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Left        | 0mm | Ant MIMO(Aux)  | Tablet | 171 | 5855 | HTK   | 10.80 | 11.00 | 1.047 | 90.5  | 1.105 | -0.18 | 0.524 | 0.606 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Back        | 0mm | Ant MIMO(Main) | Tablet | 175 | 5875 | Pulse | 10.15 | 11.00 | 1.216 | 94.85 | 1.054 | -0.09 | 0.845 | 1.083 |
|    | WLAN5GHz | 802.11n-HT40 MCS0   | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 175 | 5875 | Pulse | 10.65 | 11.00 | 1.084 | 94.85 | 1.054 | 0.10  | 0.828 | 0.946 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 171 | 5855 | Pulse | 10.25 | 11.00 | 1.189 | 90.5  | 1.105 | -0.00 | 0.834 | 1.096 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 171 | 5855 | Pulse | 10.80 | 11.00 | 1.047 | 90.5  | 1.105 | -0.05 | 0.789 | 0.913 |
| 05 | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 171 | 5855 | Pulse | 10.25 | 11.00 | 1.189 | 90.5  | 1.105 | -0.00 | 0.834 | 1.096 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 171 | 5855 | Pulse | 10.80 | 11.00 | 1.047 | 90.5  | 1.105 | -0.05 | 0.789 | 0.913 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 171 | 5855 | Pulse | 10.25 | 11.00 | 1.189 | 90.5  | 1.105 | -0.00 | 0.834 | 1.096 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Aux)  | Tablet | 171 | 5855 | Pulse | 10.80 | 11.00 | 1.047 | 90.5  | 1.105 | -0.05 | 0.789 | 0.913 |
|    | WLAN5GHz | 802.11ac-VHT80 MCS0 | Back        | 0mm | Ant MIMO(Main) | Tablet | 171 | 5855 | Pulse | 10.25 | 11.00 | 1.189 | 90.5  | 1.105 | -0.00 | 0.834 | 1.096 |

## 【Bluetooth SAR】

| Plot No | Band      | Mode  | Test Position | Gap (mm) | Antenna | Configuration | Ch. | Freq. (MHz) | Antenna Vendor | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-Up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---------|-----------|-------|---------------|----------|---------|---------------|-----|-------------|----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|         | Bluetooth | 1Mbps | Bottom Side   | 0mm      | Aux     | Laptop        | 39  | 2441        | HTK            | 12.96               | 13.00               | 1.009                  | 76.8         | 1.085                     | 0.07             | 0.285                  | 0.312                  |
|         | Bluetooth | 1Mbps | Bottom Side   | 0mm      | Aux     | Laptop        | 39  | 2441        | Pulse          | 12.96               | 13.00               | 1.009                  | 76.8         | 1.085                     | -0.06            | 0.283                  | 0.310                  |
| 06      | Bluetooth | 1Mbps | Back          | 0mm      | Aux     | Tablet        | 39  | 2441        | HTK            | 12.96               | 13.00               | 1.009                  | 76.8         | 1.085                     | -0.04            | 0.575                  | 0.629                  |
|         | Bluetooth | 1Mbps | Left          | 0mm      | Aux     | Tablet        | 39  | 2441        | HTK            | 12.96               | 13.00               | 1.009                  | 76.8         | 1.085                     | -0.07            | 0.176                  | 0.193                  |
|         | Bluetooth | 1Mbps | Back          | 0mm      | Aux     | Tablet        | 39  | 2441        | Pulse          | 12.96               | 13.00               | 1.009                  | 76.8         | 1.085                     | 0.08             | 0.433                  | 0.474                  |

## 12.2 Repeated SAR Measurement

| No. | Band       | Mode                | Test Position | Gap (mm) | Antenna        | Power State | Ch. | Freq. (MHz) | Antenna Vendor | Configuration | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-Up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Ratio |
|-----|------------|---------------------|---------------|----------|----------------|-------------|-----|-------------|----------------|---------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|-------|
| 1st | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0.0      | Ant MIMO(Aux)  | Tablet      | 1   | 2412        | HTK            | Tablet        | 13.70               | 14.50               | 1.202                  | 99.68        | 1.003                     | -0.00            | 0.939                  | 1.132                  | -     |
| 2nd | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0.0      | Ant MIMO(Aux)  | Tablet      | 1   | 2412        | HTK            | Tablet        | 13.70               | 14.50               | 1.202                  | 99.68        | 1.003                     | 0.03             | 0.930                  | 1.122                  | 1.01  |
| 1st | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0.0      | Ant MIMO(Main) | Laptop      | 122 | 5610        | HTK            | Laptop        | 13.36               | 14.00               | 1.159                  | 90.5         | 1.105                     | 0.01             | 0.848                  | 1.086                  | -     |
| 2nd | WLAN5GHz   | 802.11ac-VHT80 MCS0 | Bottom Side   | 0.0      | Ant MIMO(Main) | Laptop      | 122 | 5610        | HTK            | Laptop        | 13.36               | 14.00               | 1.159                  | 90.5         | 1.105                     | 0.10             | 0.845                  | 1.098                  | 0.99  |
| 1st | WLAN5GHz   | 802.11n-HT40 MCS0   | Back          | 0.0      | Ant MIMO(Main) | Tablet      | 175 | 5875        | Pulse          | Tablet        | 10.15               | 11.00               | 1.216                  | 94.85        | 1.054                     | -0.09            | 0.845                  | 1.083                  | -     |
| 2nd | WLAN5GHz   | 802.11n-HT40 MCS0   | Back          | 0.0      | Ant MIMO(Main) | Tablet      | 175 | 5875        | Pulse          | Tablet        | 10.15               | 11.00               | 1.216                  | 94.85        | 1.054                     | -0.18            | 0.840                  | 1.089                  | 0.99  |

### General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8\text{W/kg}$ .
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45\text{W/kg}$ , only one repeated measurement is required.
- The ratio is the difference in percentage between original and repeated *measured SAR*.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

## 13. Simultaneous Transmission Analysis

| NO. | Simultaneous Transmission Configurations                   | Body |
|-----|------------------------------------------------------------|------|
| 1.  | 2.4GHz WLAN MIMO(Aux) + 2.4GHz WLAN MIMO(Main)             | Yes  |
| 2.  | 5GHz WLAN MIMO(Aux) + 5GHz WLAN MIMO(Main) + Bluetooth Aux | Yes  |

### General Note:

- The worst case WLAN reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission with WLAN.
- The Scaled SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - Scalar SAR summation  $< 1.6\text{W/kg}$ .
  - $\text{SPLSR} = (\text{SAR1} + \text{SAR2})^{1.5} / (\text{min. separation distance, mm})$ , and the peak separation distance is determined from the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where  $(x1, y1, z1)$  and  $(x2, y2, z2)$  are the coordinates of the extrapolated peak SAR locations in the zoom scan.
  - If  $\text{SPLSR} \leq 0.04$ , simultaneously transmission SAR measurement is not necessary.
  - Simultaneously transmission SAR measurement, and the reported multi-band SAR  $< 1.6\text{W/kg}$ .
  - The SPLSR calculated results please refer to section 13.2.

### 13.1 Body Exposure Conditions

| Exposure Position  | 2                                          | 3                                           | 5                                        | 6                                         | 7                              | 2+3                  | 5+6+7                | 2+3   | 2+3      | 5+6+7 | 5+6+7    |
|--------------------|--------------------------------------------|---------------------------------------------|------------------------------------------|-------------------------------------------|--------------------------------|----------------------|----------------------|-------|----------|-------|----------|
|                    | 2.4GHz WLAN Ant MIMO(Aux)<br>1g SAR (W/kg) | 2.4GHz WLAN Ant MIMO(Main)<br>1g SAR (W/kg) | 5GHz WLAN Ant MIMO(Aux)<br>1g SAR (W/kg) | 5GHz WLAN Ant MIMO(Main)<br>1g SAR (W/kg) | Bluetooth Aux<br>1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | SPLSR | Case No. | SPLSR | Case No. |
| Bottom Side at 0mm | 0.907                                      | 0.879                                       | 0.964                                    | 1.086                                     | 0.312                          | 1.786                | 2.362                | 0.01  | Case 1   | 0.01  | Case 2   |
| Back at 0mm        | 1.132                                      | 0.786                                       | 0.946                                    | 1.096                                     | 0.629                          | 1.918                | 2.671                | 0.01  | Case 3   | 0.01  | Case 4   |
| Right at 0mm       | 0.001                                      | 0.324                                       | 0.001                                    | 0.565                                     |                                | 0.325                | 0.566                |       |          |       |          |
| Left at 0mm        | 0.365                                      | 0.001                                       | 0.636                                    | 0.001                                     | 0.192                          | 0.366                | 0.829                |       |          |       |          |

### 13.2 SPLSR Evaluation and Analysis

**General Note:**

1. Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneously transmitting antenna. When the sum of 1-g or 10-g SAR of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit, SAR test exclusion applies to that simultaneous transmission configuration. Therefore, the adjacent transmit antennas will be summed first, and then the SPLSR calculation will be evaluated with the farther transmitted antennas.
2.  $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\text{min. separation distance, mm})$ . If  $SPLSR \leq 0.04$ , simultaneously transmission SAR measurement is not necessary

| Case 1 | Band                       | Position           | SAR (W/kg) | SAR Peak Location (mm) |        |        | 3D Distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|----------------------------|--------------------|------------|------------------------|--------|--------|------------------|-------------------|---------------|------------------|
|        |                            |                    |            | X                      | Y      | Z      |                  |                   |               |                  |
|        | 2.4GHz WLAN Ant MIMO(Aux)  | Bottom Side at 0mm | 0.907      | -71.5                  | -156.5 | -178.9 | 320.2            | 1.79              | 0.01          | Not required     |
|        | 2.4GHz WLAN Ant MIMO(Main) | Bottom Side at 0mm | 0.879      | -82.5                  | 163.5  | -178.4 | 320.2            | 1.79              | 0.01          | Not required     |

| Case 2 | Band                                  | Position           | SAR (W/kg) | SAR Peak Location (mm) |        |        | 3D Distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|---------------------------------------|--------------------|------------|------------------------|--------|--------|------------------|-------------------|---------------|------------------|
|        |                                       |                    |            | X                      | Y      | Z      |                  |                   |               |                  |
|        | 5GHz WLAN Ant MIMO(Aux)+Bluetooth Aux | Bottom Side at 0mm | 1.276      | -77.7                  | -155.8 | -178.0 | 316.0            | 2.36              | 0.01          | Not required     |
|        | 5GHz WLAN Ant MIMO(Main)              | Bottom Side at 0mm | 1.086      | -82.9                  | 160.2  | -177.0 | 316.0            | 2.36              | 0.01          | Not required     |

| Case 3 | Band                       | Position    | SAR (W/kg) | SAR Peak Location (mm) |        |        | 3D Distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|----------------------------|-------------|------------|------------------------|--------|--------|------------------|-------------------|---------------|------------------|
|        |                            |             |            | X                      | Y      | Z      |                  |                   |               |                  |
|        | 2.4GHz WLAN Ant MIMO(Aux)  | Back at 0mm | 1.132      | 79.5                   | -150.0 | -177.0 | 314.5            | 1.92              | 0.01          | Not required     |
|        | 2.4GHz WLAN Ant MIMO(Main) | Back at 0mm | 0.786      | 76.5                   | 164.5  | -177.0 | 314.5            | 1.92              | 0.01          | Not required     |

| Case 4 | Band                                  | Position    | SAR (W/kg) | SAR Peak Location (mm) |        |        | 3D Distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|---------------------------------------|-------------|------------|------------------------|--------|--------|------------------|-------------------|---------------|------------------|
|        |                                       |             |            | X                      | Y      | Z      |                  |                   |               |                  |
|        | 5GHz WLAN Ant MIMO(Main)              | Back at 0mm | 1.096      | 83.4                   | 158.4  | -177.0 | 310.9            | 2.67              | 0.01          | Not required     |
|        | 5GHz WLAN Ant MIMO(Aux)+Bluetooth Aux | Back at 0mm | 1.575      | 80.5                   | -152.5 | -177.0 | 310.9            | 2.67              | 0.01          | Not required     |

**Test Engineer : EN Liu and Elio Wei**

## **14. Uncertainty Assessment**

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is  $< 1.5$  W/kg and the measured 10-g SAR within a frequency band is  $< 3.75$  W/kg. The expanded SAR measurement uncertainty must be  $\leq 30\%$ , for a confidence interval of  $k = 2$ . If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg. Therefore, the measurement uncertainty table is not required in this report.

### Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

### Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

## **15. References**

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [8] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [9] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.