



SAR EVALUATION REPORT

FCC 47 CFR § 2.1093 IEEE Std. 1528-2013

For DJI Ultra-Bright Remote Monitor

Model: RXD2

FCC ID: 2ANDR-RXD2202109

Report Number: 4789980498.1-2-9

Issue Date: August 03, 2021

Prepared for SZ DJI Osmo Technology Co.,Ltd. 4F, Jingkou Community Comprehensive Service Building, No. 83 Bishui Road North, Guangming Street, Guangming District, Shenzhen

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, People's Republic of China

> Tel: +86 769 22038881 Fax: +86 769 33244054 Website: www.ul.com



Revision History

| Rev. | Date | Revisions | Revised By |
|------|-----------------|---|------------|
| V1.0 | July 14, 2021 | Initial Issue | / |
| V2.0 | August 03, 2021 | Added the evaluation results without protrusions on page22, and updated the Simultaneous Transmission calculation | ١ |
| V3.0 | October 19,2021 | Split the original report into FCC and ISED reports,new roport 4789980498.1-2-15 for ISED part. | ١ |

Note:

- 1. The Measurement result for the sample received is<Pass> according to < IEEE Std. 1528-2013> when <Accuracy Method> decision rule is applied.
- 2. This report is only published to and used by the applicant, and it is not for evidence purpose in China.

Page 2 of 22



Table of Contents

| 1. | Attestation of Test Results | .4 |
|---|--|--|
| 2. | Test Specification, Methods and Procedures | .5 |
| 3. | Facilities and Accreditation | .6 |
| 4. | SAR Measurement System & Test Equipment | .7 |
| 4.1 4.2 4.3 | . SAR Scan Procedures | .8 |
| 5. | Measurement Uncertainty | 11 |
| 6. | Device Under Test (DUT) Information | 11 |
| 6.1 | | |
| 6.2 | . Wireless Technology | 11 |
| 7. | Conducted Output Power Measurement and tune-up tolerance | 12 |
| 7.1 | . Power measurement result of 2.4GHz | 12 |
| 8. | RF Exposure Conditions | 13 |
| 9. | Dielectric Property Measurements & System Check | 15 |
| 9.1 | . Dielectric Property Measurements | 15 |
| 9.2 | . System Check | 16 |
| 10. | | |
| | Measured and Reported (Scaled) SAR Results | 17 |
| 10. | Measured and Reported (Scaled) SAR Results 1. SAR Test Results | |
| - | 1. SAR Test Results | 18 |
| 10. | SAR Test Results SAR Test Results without protrusions at the worst case above | 18 20 |
| 10. 10. | SAR Test Results SAR Test Results without protrusions at the worst case above Simultaneous Transmission SAR Analysis | 18 20 20 |
| 10. 10. 11. 11. | SAR Test Results | 18 20 20 20 |
| 10. 10. 11. <i>11.</i> Appe | SAR Test Results | 18 20 20 20 22 |
| 10. 10. 11. 11. Appe 478 | SAR Test Results | 18 20 20 20 22 22 |
| 10. 10. 11. 11. Appe 478 478 478 | SAR Test Results | 18 20 20 20 22 22 22 22 |
| 10. 10. 11. 11. Appe 478 478 478 478 | SAR Test Results | 18 20 20 20 22 22 22 22 22 |



1. Attestation of Test Results

| Applicant Name | SZ DJI Osmo Technology Co.,Ltd. | | | | | | | | |
|---|---|---|--|--|--|--|--|--|--|
| Address | 4F, Jingkou Community Comprehensive Service Building, No. 83 Bishui Road North, Guangming Street, Guangming District, Shenzhen | | | | | | | | |
| Manufacturer | SZ DJI Osmo Technology Co.,Ltd. | | | | | | | | |
| Address | 4F, Jingkou Community Comprehensive Service Building, No. 83 Bishui Road North, Guangming Street, Guangming District, Shenzhen | | | | | | | | |
| EUT Name | DJI Ultra-Bright Remote Monitor | | | | | | | | |
| Model | RXD2 | | | | | | | | |
| Sample Status | Normal | | | | | | | | |
| Sample Received Date | June 07, 2021 | | | | | | | | |
| Date of Tested | June 7, 2021 ~ July 12, 2021 | | | | | | | | |
| Applicable Standards | FCC 47 CFR § 2.1093 IEEE Std. 1528-2013 KDB publication | | | | | | | | |
| SAR Limits (W/Kg) | | | | | | | | | |
| Exposure Category | Peak spatial-average (1g of tissue) | Extremities (hands, wrists, ankles, etc.) (10g of tissue) | | | | | | | |
| General population / Uncontrolled exposure | 1.6 | 4 | | | | | | | |
| The Highest Reported SAR (W/kg) | · | | | | | | | | |
| RF Exposure Conditions | Frequency Band | | | | | | | | |
| | 2.4 GHz | 5 GHz | | | | | | | |
| Standalone Body (1-g) | 0.69 | 0.676 | | | | | | | |
| Simultaneous Transmission (1-g) | 1 | 1.29 | | | | | | | |
| Test Results | F F | Pass | | | | | | | |
| Prepared By: | Reviewed By: | Approved By: | | | | | | | |
| Jacky J.ang | Shemin lies | Hephenbuo | | | | | | | |
| Jacky Jiang | Shawn Wen Stephen Guo | | | | | | | | |
| Project Engineer | Laboratory Leader | Laboratory Manager | | | | | | | |



2. Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093, IEEE STD 1528-

2013, RSS-102, Issue 5, IEC 62209-1528:2020 the following FCC Published RF exposure KDB procedures:

- o 248227 D01 802.11 Wi-Fi SAR
- 447498 D01 General RF Exposure Guidance
- o 447498 D02 SAR Procedures for Dongle Xmtr
- o 690783 D01 SAR Listings on Grants
- \circ $\,$ 865664 D01 SAR measurement 100 MHz to 6 GHz $\,$
- o 865664 D02 RF Exposure Reporting
- o 616217 D04 SAR for laptop and tablets

Page 5 of 22



3. Facilities and Accreditation

| Test Location | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
|------------------------------|--|
| Address | Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China |
| Accreditation Certificate | A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch has been assessed and proved to be in compliance with A2LA. FCC (FCC Recognized No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules IC(Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320. VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B, the VCCI registration No. is C-20012 and T-20011 |
| Description | All measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China |

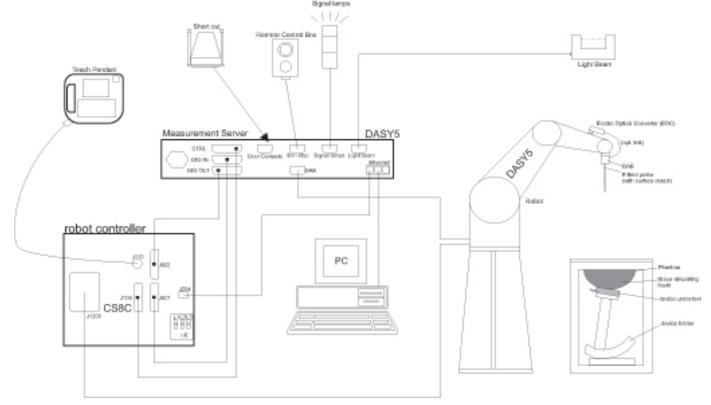
Page 6 of 22 UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch FORM NO: 10-SL-F0036 This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.



4. SAR Measurement System & Test Equipment

4.1. SAR Measurement System

The DASY5 system used for performing compliance tests consists of the following items:



- 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, ADconversion, 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 Win7 and the DASY52 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.



4.2. SAR Scan Procedures

Step 1: 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. The minimum distance of probe sensors to surface is 2.1 mm. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: 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 locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in Db) 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 KDB 865664 D01 v01r04 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 | $5 \pm 1 \text{ mm}$ | $\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$ | |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location | $30^\circ\pm1^\circ$ | $20^\circ\pm1^\circ$ | |
| | \leq 2 GHz: \leq 15 mm 2 - 3 GHz: \leq 12 mm | $\begin{array}{l} 3-4 \ \mathrm{GHz:} \leq 12 \ \mathrm{mm} \\ 4-6 \ \mathrm{GHz:} \leq 10 \ \mathrm{mm} \end{array}$ | |
| Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area} | 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. | | |

Page 8 of 22

Step 3: Zoom Scan

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g 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 g and 10 g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB 865664 D01 v01r04 SAR Measurement 100 MHz to 6 GHz

| | | | \leq 3 GHz | > 3 GHz | |
|--|----------------|--|---|---|--|
| Maximum zoom scan s | patial reso | plution: Δx_{Zoom} , Δy_{Zoom} | $\leq 2 \text{ GHz:} \leq 8 \text{ mm}$ 2 - 3 GHz: $\leq 5 \text{ mm}^*$ | $3 - 4 \text{ GHz:} \le 5 \text{ mm}^*$ $4 - 6 \text{ GHz:} \le 4 \text{ mm}^*$ | |
| | uniform | grid: ∆z _{Zoom} (n) | \leq 5 mm | $3-4$ GHz: ≤ 4 mm $4-5$ GHz: ≤ 3 mm $5-6$ GHz: ≤ 2 mm | |
| Maximum zoom scan spatial resolution, normal to phantom surface | graded grid | $\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface | \leq 4 mm | $3 - 4$ GHz: ≤ 3 mm $4 - 5$ GHz: ≤ 2.5 mm $5 - 6$ GHz: ≤ 2 mm | |
| | | $\Delta z_{Zoom}(n>1)$: between subsequent points | $\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$ | | |
| Minimum zoom scan volume | n x, y, z | | \geq 30 mm | $3 - 4 \text{ GHz} \ge 28 \text{ mm}$ $4 - 5 \text{ GHz} \ge 25 \text{ mm}$ $5 - 6 \text{ GHz} \ge 22 \text{ mm}$ | |

Note: δ 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 <u>reported</u> SAR from the area scan based *1-g SAR estimation* procedures of KDB 447498 is $\leq 1.4 \text{ W/kg}$, $\leq 8 \text{ mm}$, $\leq 7 \text{ mm}$ and $\leq 5 \text{ mm}$ zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

Step 4: Power drift measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in Db from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

Step 5: Z-Scan (FCC only)

The Z Scan measures points along a vertical straight line. The line runs along the Z-axis of a one-dimensional grid. In order to get a reasonable extrapolation the extrapolated distance should not be greater than the step size in Z-direction.



4.3. Test Equipment

The measuring equipment used to perform the tests documented in this report has been calibrated in accordance with the manufacturers' recommendations, and is traceable to recognized national standards.

| Name of equipment | Manufacturer | Type/Model | Serial No. | Cal. Due Date |
|----------------------------------|-------------------------|----------------------------|------------|------------------|
| ENA Network Analyzer | Keysight | E5080A | MY55100583 | 2021.12.04 |
| Dielectric Probe kit | SPEAG | SM DAK 040 SA | 1155 | NCR |
| DC power supply | Keysight | E36103A | MY55350020 | 2021.12.04 |
| Signal Generator | Rohde & Schwarz | SME06 | 837633\001 | 2021.12.04 |
| BI-Directional Coupler | WERLATONE | C8060-102 | 3423 | 2021.12.04 |
| Peak and Average Power Sensor | Keysight | E9323A | MY55440013 | 2021.12.05 |
| Peak and Average Power Sensor | Keysight | E9323A | MY55420006 | 2021.12.05 |
| Dual Channel PK Power Meter | Keysight | N1912A | MY55416024 | 2021.12.05 |
| Amplifier | CORAD TECHNOLOGY LTD | AMF-4D-00400600-50- 30P | 1983561 | NCR |
| Dosimetric E-Field Probe | SPEAG | EX3DV4 | 7383 | 2021.11.30 |
| Data Acquisition Electronic | SPEAG | DAE3 | 427 | 2022.4.08 |
| Dipole Kit 2450 MHz | SPEAG | D2450V2 | 977 | 2021.12.04 |
| Dipole Kit 5 GHz | SPEAG | D5GHzV2 | 1231 | 2021.12.07 |
| Software | SPEAG | DASY52 | N/A | NCR |
| Twin Phantom | SPEAG | SAM V5.0 | 1805 | NCR |
| ELI Phantom | SPEAG | ELI V5.0 | 1235 | NCR |
| Thermometer | / | GX-138 | 150709653 | 2021.12.09 |
| Thermometer | VICTOR | ITHX-SD-5 | 18470005 | 2021.12.10 |

Note:

1) Per KDB865664D01 v01r04 requirements for dipole calibration, the test laboratory has adopted threeyear extended calibration interval. Each measured dipole is expected to evaluate with the following criteria at least on annual interval in Appendix C.

a) There is no physical damage on the dipole;

b) System check with specific dipole is within 10% of calibrated value;

c) The most recent return-loss result, measured at least annually, deviates by no more than 20% from the previous measurement. Refer to App E dipole calibration record.

d) The most recent measurement of the real or imaginary parts of the impedance, measured at least annually is within 5Ω from the previous measurement. Refer to App E dipole calibration record.

2) Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.



5. Measurement Uncertainty

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and 10-g SAR within a frequency band is < 3.75 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std. 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

6. Device Under Test (DUT) Information

6.1. DUT Description

The DUT named DJI Ultra-Bright Remote Monitor uses the DJI[™]O3 image transmission technology to establish a wireless connection to Video transmitter. Users can monitor the camera live view and control the camera via the monitor. Hand grips can be mounted to the remote monitor cage on the monitor for remote control. It has 4 antennas supporting two of them transmitter in simultaneous in group ant 0&1, ant 0&3, ant 2&1, ant 2&3.

Dimension Overall (Length x Width x Height): 190 mm x 128 mm x 50 mm

6.2. Wireless Technology

| Fraguanay band | | Modulation | |
|----------------------------|---------------|---------------------|------------|
| Frequency band | Narrow Band | Wide Band | Modulation |
| 2.4 GHz 2400-2483.5 MHz | 1.4 MHz,3 MHz | 10MHz, 20MHz, 40MHz | OFDM |
| 5.8 GHz 5725-5850MHz | 1.4 MHz,3 MHz | 10MHz, 20MHz, 40MHz | OFDIM |

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

Page 11 of 22

7. Conducted Output Power Measurement and tune-up tolerance

| Frequency Bandwith Channelly Frequency (requency) Channelly (up power) Cup (up power) Cup (up power | 7.1. Power measurement result of 2.4GHz | | | | | | | | | | |
|--|---|-----------|----------|------|-------|------|-------|------|-------|---------|-------|
| Band Bandwdm Frequency (up) tune (up) Output (up) tune (up) Output (up) tune (up) Output (up) tune (up) Output (up) ower tune (up) Output (up) ower output (up) output (up) <thoutput (up) <tho< th=""><th>Frequency</th><th></th><th>Channel/</th><th></th><th></th><th></th><th></th><th>-</th><th></th><th>á</th><th></th></tho<></thoutput | Frequency | | Channel/ | | | | | - | | á | |
| 1.4M 2435.5 22 20.99 22 21.42 23 22.33 22 21.75 1.4M CA 2405.12 21.91 21.21 21.93 21.78 22.93 22.5 22.82 1.4M CA 2437.12 21.5 21.27 22 21.78 21.78 22.5 22.28 20.31 2404.5 23.3 22.43 23.5 23.43 24 23.11 24 23.74 | | Bandwidth | | | | | | | | tune up | |
| 2469.5 21.93 21.93 21.99 22.93 21.51 1.4M CA Mode 2405.12 2437.12 21.5 21.27 20.59 22 21.77 21.86 21.65 20.31 21.78 21.65 20.31 22.87 22.80 22.87 22.80 22.87 23.94 23.57 22.87 23.57 22.87 23.57 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.88 23.57 22.88 23.57 22.88 22.87 22.87 22.88 23.87 22.87 22.87 22.88 23.8 23.94 22.87 22.87 22.88 23.8 23.94 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.87 22.81 23.85 23.85 23.85 23.85 23.85 23.85 23.85 23.85 23.85 23.85 22.86 23.85 23.85 23.85 | | | 2403.5 | | 21.18 | | 21.73 | | 21.73 | | 21.81 |
| 2.4G 2405.12 2437.12 2471.12 21.5 2437.12 2471.12 21.5 21.27 20.59 21.57 21.73 21.86 21.55 21.86 21.55 21.86 21.55 20.98 22.82 20.98 22.82 20.98 22.82 20.98 22.82 20.98 22.85 20.98 22.85 20.98 22.85 20.98 22.85 20.98 22.81 20.98 22.94 20.98 22.87 22.97 22.97 22.97 22.97 22.97 22.91 23.01 23.01 23.01 23.01 23.01 23.01 23.01 23.01 23.01 23.01 23.01 23.0 | | 1.4M | 2435.5 | 22 | 20.99 | 22 | 21.42 | 23 | 22.33 | 22 | 21.75 |
| 1.4M CA Mode 2437.12 2471.12 21.5 2471.12 21.27 20.59 22.73 21.86 21.73 21.86 21.73 20.98 21.63 20.98 22.28 3M 2434.5 2467.5 23.3 22.43 23.5 23.43 24 23.11 24 23.11 24 23.61 23.64 23.61 23.64 23.61 23.64 23.61 22.87 23.94 23.61 22.82 22.87 22.81 23.67 22.87 22.81 23.67 14.30 14.90 13.26 13.06 12.75 13.61 12.75 23.98 2 | | | 2469.5 | | 21.93 | | 21.09 | | 22.93 | | 21.51 |
| Mode 2437.12 21.5 21.27 21.83 21.83 21.83 22.83 22.83 22.83 20.31 <th< td=""><td></td><td>1 414 0 4</td><td>2405.12</td><td></td><td>21.21</td><td></td><td>21.57</td><td></td><td>21.55</td><td></td><td>21.78</td></th<> | | 1 414 0 4 | 2405.12 | | 21.21 | | 21.57 | | 21.55 | | 21.78 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | | 2437.12 | 21.5 | 21.27 | 22 | 21.73 | 21.7 | 21.63 | 22.5 | 22.28 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | mede | 2471.12 | | 20.59 | | 21.86 | | 20.98 | | 20.31 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | | 2404.5 | | 23.27 | | 23.15 | | 23.94 | _ | 23.61 |
| 3M CA Mode 2407.2 2437.2 2470.2 22.67 22.422 22.74 23 22.74 21.65 22.85 22.23 22.91 22.85 22.91 22.30 10M 2437.5 2467.5 13.63 13.68 13.68 14 13.89 12.97 13.61 13.62 13.61 13.62 13.61 13.62 13.61 14.5 13.62 13.62 13.79 20M 2437.5 2467.5 13.71 12.97 13.63 12.97 13.63 14.4 13.30 12.98 14.5 13.62 13.69 14.02 14.1 13.07 13.44 20M 2437.5 13.61 14.1 14.02 14 13.30 14 13.39 14 13.39 20M 2437.5 13.61 13.52 14.1 13.69 14.00 13.26 40M 2437.5 13.66 13.52 14 13.16 12.90 13 12.93 1.4M 5786.5 24.1 24.08 23.7 23.67 24.11 24.04 23.2 23.08 1.4M 5786.5 24.1 24.08 23.33 23.06 23.98 23.18 23.08 23.18 | | ЗM | 2434.5 | 23.3 | 22.43 | 23.5 | 23.43 | 24 | 23.11 | 24 | 23.74 |
| 2.4G Mode 247.2 2470.2 23 22.42 22.32 23 22.74 21.65 23 22.85 22.23 23 22.45 22.23 10M 2437.5 2467.5 13.63 2467.5 13.68 12.97 13.89 12.97 13.89 12.98 13.61 14.02 13.61 14.03.88 14.1 13.80 14.5 13.62 14.328 14 13.80 14.5 20M 2412.5 2462.5 13.99 13.63 13.99 13.63 13.69 14 13.39 14 13.34 13.39 14 13.97 13.66 13.62 14.1 14.00 13.26 13.69 13.34 14.00 13.26 40M 2437.5 2462.5 13.07 13.66 13.46 13.52 14.1 13.12 13.18 13.65 12.75 12.75 40M 2437.5 2452.5 13.07 13.51 13.46 13.52 13.05 12.75 12.93 12.93 12.75 24.01 2437.5 23.68 23.07 23.67 23.00 23.98 22.22 23.08 1.4M 5786.5 24.1 24.08 23.7 23.67 23.06 24.04 23.2 23.08 | | | 2467.5 | | 22.80 | | 22.87 | | 23.57 | | 22.82 |
| Mode 2437.2 23 22.42 23 22.74 23 22.85 23 23.01 2470.2 22.32 22.32 21.65 21.65 22.32 22.45 13.60 13.60 13.60 14.0 13.80 14.0 13.80 14.0 13.80 14.0 13.80 14.0 13.97 13.41 13.97 13.46 14.00 13.26 14.0 13.26 14.0 13.26 14.0 13.97 13.26 14.0 13.26 14.0 13.26 14.0 13.26 14.0 13.26 12.75 13.05 12.75 13.05 12.75 13.05 12.75 12.65 12.75 12. | | 214 0 4 | 2407.2 | | 22.67 | | 22.70 | | 22.97 | | 22.91 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 2.4G | | 2437.2 | 23 | 22.42 | 23 | 22.74 | 23 | 22.85 | 23 | 23.01 |
| 10M 2437.5 13.7 13.68 14 13.38 14.5 13.62 14 13.80 2467.5 12.97 13.89 12.98 14.32 13.62 14.32 13.79 2412.5 13.89 13.89 13.53 14.1 14.02 14 13.30 14 13.39 14 13.34 242.5 13.99 13.66 13.69 14.00 13.26 13.26 40M 2437.5 13.6 13.52 14 13.30 14 13.39 14 13.26 2452.5 13.6 13.52 14 13.12 13.5 12.90 13 12.93 2452.5 13.18 13.85 13.05 12.90 13 12.93 14.4M 5786.5 24.1 24.08 23.7 23.52 24.1 24.04 23.2 23.08 14.4M 5786.5 24.1 24.08 23.7 23.53 24.1 23.98 23.1 23.08 <tr< td=""><td></td><td>mode</td><td>2470.2</td><td></td><td>22.32</td><td></td><td>21.65</td><td></td><td>22.23</td><td></td><td>22.45</td></tr<> | | mode | 2470.2 | | 22.32 | | 21.65 | | 22.23 | | 22.45 |
| 2467.5 12.97 12.98 14.32 13.79 2412.5 13.89 13.89 13.53 13.02 13.39 13.34 20M 2437.5 14.1 14.02 14 13.30 14 13.39 14.00 13.69 40M 2422.5 13.6 13.52 14 13.12 13.5 12.90 13 12.93 40M 2437.5 13.6 13.52 14 13.12 13.5 12.90 13 12.93 2452.5 13.18 13.85 13.05 12.75 13.6 12.75 12.90 13 12.93 2452.5 572.6.5 24.1 24.08 23.7 23.52 24.1 24.04 23.2 23.08 572.6.5 24.1 24.08 23.7 23.52 24.1 24.04 23.2 23.08 22.88 1.4M CA 572.6.12 24.64 23.65 23.30 23.98 24.14 23.98 23.1 23.08 | | | 2407.5 | | 13.63 | | 13.89 | | 13.61 | | 13.70 |
| 2412.5 20M 2412.5 2437.5 2462.5 13.89 14.1 13.89 14.00 13.53 13.69 13.02 14.00 13.34 13.39 13.34 40M 2422.5 2452.5 13.6 13.52 14 13.30 14 13.39 14 13.34 40M 2437.5 13.6 13.52 14 13.12 13.5 12.53 13 12.75 40M 2437.5 13.6 13.52 14 13.12 13.5 12.90 13 12.93 2452.5 13.18 13.86 23.67 24.1 24.04 23.2 23.08 5726.5 24.1 24.08 23.7 23.50 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 22.88 23.08 23.32 23.98 23.10 23.08 23.08 23.98 22.88 22.88 23.08 23.33 23.65 23.98 23.10 23.08 22.88 23.08 23.08 23.98 | | 10M | 2437.5 | 13.7 | 13.68 | 14 | 13.38 | 14.5 | 13.62 | 14 | 13.80 |
| 20M 2437.5 14.1 14.02 14 13.30 14 13.39 14 13.97 2462.5 13.99 13.69 13.69 14.00 13.26 13.26 40M 2422.5 13.07 13.46 13.52 14 13.12 13.5 12.90 13 12.93 2452.5 13.18 13.85 13.05 13.05 12.75 12.75 2452.5 13.18 23.59 23.67 24.01 23.28 23.08 22.88 23.08 22.88 23.08 23.98 22.88 23.08 22.88 23.08 22.88 23.08 22.88 23.08 22.88 23.08 22.88 23.08 22.88 23.08 23.08 23.08 22.88 22.88 22.88 23.08 22.88 23.08 23.08 23.08 22.88 22.88 23.08 22.85 23.08 22.85 23.08 23.08 23.06 22.85 23.05 22.85 23.05 22.95 23.65 <td></td> <td></td> <td>2467.5</td> <td></td> <td>12.97</td> <td></td> <td>12.98</td> <td></td> <td>14.32</td> <td></td> <td>13.79</td> | | | 2467.5 | | 12.97 | | 12.98 | | 14.32 | | 13.79 |
| 2462.5 13.99 13.69 14.00 13.26 40M 2422.5 13.07 13.46 12.53 12.75 2452.5 13.6 13.52 14 13.12 13.5 12.90 13 12.93 2452.5 13.18 13.85 13.05 12.75 12.75 12.75 2452.5 13.18 13.85 13.05 12.75 12.75 12.75 2462.5 24.1 24.08 23.7 23.52 24.1 24.04 23.2 23.08 5766.5 24.1 24.08 23.7 23.53 24.1 24.04 23.2 23.08 1.4M CA Mode 5786.5 24.1 24.08 23.7 23.53 24.1 24.04 23.2 23.08 22.88 3M 5787.5 24.4 23.65 23.69 23.33 24.1 24.03 23.1 23.06 3M CA Mode 5730.2 24.2 24.20 24 23.71 24.3 24.15 | | 20M | 2412.5 | 14.1 | 13.89 | 14 | 13.53 | 14 | 13.02 | | 13.34 |
| 40M 2422.5 2437.5 2452.5 13.6 13.6 13.07 13.52 14.4 13.46 13.12 13.5 12.75 12.90 13.12 12.93 40M 2437.5 2452.5 13.6 13.52 14.4 13.12 13.5 12.90 13 12.93 1.4M 5726.5 24.1 24.08 23.7 23.67 24.1 24.04 23.2 23.08 5846.5 24.1 24.08 23.7 23.30 23.98 22.88 22.88 1.4M CA Mode 5728.12 24.2 24.12 23.7 23.53 24.1 23.98 23.19 23.08 5787.5 24.4 24.12 23.7 23.53 24.1 23.98 23.19 23.08 3M 5787.5 24.4 24.35 23.7 23.53 24.1 23.98 23.16 23.98 23.15 23.98 23.16 23.98 23.16 23.98 23.16 23.98 23.16 23.98 23.16 23.98 23.16 23.98 23.16 | | | 2437.5 | | 14.02 | | 13.30 | | 13.39 | 14 | 13.97 |
| 40M 2437.5 13.6 13.52 14 13.12 13.5 12.90 13 12.93 2452.5 13.18 13.85 13.85 13.05 13.05 12.75 1.4M 5786.5 24.1 24.08 23.7 23.52 24.1 24.04 23.2 23.08 5846.5 23.63 23.63 23.30 23.98 23.98 22.88 1.4M CA Mode 5728.12 24.12 23.7 23.53 24.1 23.98 22.88 5787.5 24.4 24.22 23.65 23.32 24.04 23.28 22.88 3M 5787.5 24.4 24.35 23.7 23.51 24.1 23.98 23.11 23.08 5787.5 24.4 24.35 23.7 23.51 24.1 24.03 23.11 22.95 3M CA Mode 5730.2 24.4 24.35 23.71 23.62 23.75 23.16 23.75 23.16 23.75 23.16 23.17 | | | 2462.5 | | 13.99 | | 13.69 | | 14.00 | | 13.26 |
| Singerstand | | 40M | 2422.5 | 13.6 | 13.07 | 14 | 13.46 | 13.5 | 12.53 | 13 | 12.75 |
| 1.4M 5726.5 5786.5 24.1 23.59 23.7 23.67 24.1 24.04 23.2 23.08 1.4M 5786.5 5846.5 23.63 23.7 23.52 24.1 24.04 23.98 23.28 23.08 1.4M CA Mode 5728.12 24.2 24.12 23.64 23.63 23.98 23.10 22.88 1.4M CA Mode 5728.12 24.2 24.12 23.7 23.53 24.1 23.98 23.1 23.08 5727.5 5727.5 23.65 23.87 23.36 24.04 23.1 23.08 3M 5787.5 24.4 24.35 23.7 23.51 24.1 24.05 23.05 3M 5787.5 24.4 24.35 23.7 23.66 24.05 23.1 22.95 3M 5787.5 24.4 23.69 23.75 23.33 24.1 24.03 23.1 22.95 3M CA Mode 5730.2 24.2 24.20 24 23.62 | | | 2437.5 | | 13.52 | | 13.12 | | 12.90 | | 12.93 |
| 1.4M 5786.5 24.1 24.08 23.7 23.52 24.1 24.04 23.2 23.08 1.4M 5786.5 23.63 23.63 23.30 23.30 23.98 23.98 22.88 1.4M CA 5728.12 24.2 24.12 23.7 23.53 24.1 23.98 22.88 1.4M CA 5788.12 24.2 24.12 23.7 23.53 24.1 23.98 23.1 23.08 56 5848.12 23.65 23.65 23.32 23.96 23.12 23.08 3M 5787.5 24.4 24.35 23.7 23.51 24.1 24.03 23.1 22.95 3M 5787.5 24.4 24.35 23.7 23.51 24.1 24.03 23.1 22.95 3M CA 5730.2 24.2 24.20 24 23.71 24.3 24.15 23.22 23.03 5847.2 24.06 23.62 23.75 23.75 | | | 2452.5 | | 13.18 | | 13.85 | | 13.05 | | 12.75 |
| 5G 5846.5 23.63 23.30 23.98 22.88 1.4M CA Mode 5728.12 5788.12 24.2 24.12 23.7 23.63 24.04 23.98 22.88 5788.12 24.2 24.12 23.7 23.53 24.1 23.98 23.1 23.08 5848.12 23.65 23.32 23.96 23.98 23.1 23.08 3M 5727.5 24.4 24.35 23.7 23.66 24.05 23.05 23.05 3M 5787.5 24.4 24.35 23.7 23.51 24.1 24.03 23.1 22.95 3M CA Mode 5730.2 24.2 24.20 24 23.33 23.65 22.78 3M CA Mode 5730.5 24.2 24.20 24 23.71 24.3 24.24 23.2 23.03 10M 5786.5 13 12.97 13 12.67 14 13.91 13.3 13.21 10M 5786.5 13 | | | 5726.5 | 24.1 | 23.59 | 23.7 | 23.67 | | 24.01 | 23.2 | 23.19 |
| 5G 5728.12 5788.12 5848.12 24.2 24.2 23.64 24.12 23.7 23.68 23.53 24.1 23.98 23.1 22.88 3M 5727.5 5848.12 23.65 23.65 23.32 23.96 23.96 23.98 23.1 23.08 22.85 3M 5787.5 24.4 23.65 23.7 23.66 24.1 24.03 23.1 22.85 3M 5787.5 24.4 24.35 23.7 23.51 24.1 24.03 23.1 22.95 3M CA Mode 5730.2 24.2 24.20 24 23.71 24.3 24.15 23.2 23.03 3M CA Mode 5730.5 24.2 24.20 24 23.71 24.3 24.24 23.2 23.03 5847.2 24.06 23.66 23.62 23.75 23.16 23.17 10M 5786.5 13 12.97 13 12.67 14 13.91 13.3 13.21 20M 5735.5 14.1 <td< td=""><td></td><td>1.4M</td><td>5786.5</td><td>24.08</td><td>23.52</td><td>24.1</td><td>24.04</td><td>23.08</td></td<> | | 1.4M | 5786.5 | | 24.08 | | 23.52 | 24.1 | 24.04 | | 23.08 |
| 1.4M CA Mode 5788.12 5848.12 24.2 24.12 23.7 23.53 24.1 23.98 23.1 23.08 3M 5727.5 23.65 23.87 23.66 23.32 24.05 23.96 22.85 3M 5787.5 24.4 24.35 23.7 23.66 24.05 23.05 23.05 3M 5787.5 24.4 24.35 23.7 23.51 24.1 24.03 23.1 22.95 5844.5 23.69 23.69 23.33 23.65 22.78 23.05 3M CA Mode 5730.2 24.2 24.20 24 23.71 24.3 24.15 23.03 5847.2 24.06 24.06 23.62 23.75 23.16 23.03 10M 5786.5 13 12.97 13 12.67 14 13.91 13.33 13.17 10M 5785.5 14.1 13.85 14.2 13.37 13.8 13.33 13.1 | | | 5846.5 | | 23.63 | | 23.30 | | 23.98 | | 22.88 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 4.414.04 | 5728.12 | | 23.64 | | 23.68 | | 24.04 | | 22.88 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | 5788.12 | 24.2 | 24.12 | 23.7 | 23.53 | 24.1 | 23.98 | 23.1 | 23.08 |
| 3M 5787.5 24.4 24.35 23.7 23.51 24.1 24.03 23.1 22.95 56 5844.5 23.69 23.33 23.65 23.65 22.78 3M CA Mode 5730.2 24.2 24.20 24 23.71 24.3 24.25 23.03 5847.2 24.06 24.06 23.62 24.3 24.24 23.22 23.03 10M 5730.5 13 12.44 12.82 13.56 13.35 12.88 10M 5786.5 13 12.97 13 12.67 14 13.91 13.3 13.17 20M 5735.5 14.1 13.85 14.2 13.37 13.8 13.33 13.1 | | Mode | 5848.12 | | 23.65 | | 23.32 | | 23.96 | | 22.85 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | 5727.5 | | 23.87 | | 23.66 | | 24.05 | | 23.05 |
| 3M CA Mode 5730.2 5790.2 24.2 23.80 24.20 24 23.86 24.3 24.15 23.2 23.16 5790.2 5847.2 24.06 24 23.62 24.3 24.24 23.2 23.03 10M 5730.5 13 12.97 13 12.67 14 13.91 13.3 13.21 10M 5735.5 14.1 13.85 14.2 13.37 13.8 13.33 13.1 | | ЗM | 5787.5 | 24.4 | 24.35 | 23.7 | 23.51 | 24.1 | 24.03 | 23.1 | 22.95 |
| 3M CA Mode 5790.2 24.2 24.20 24 23.71 24.3 24.24 23.2 23.03 5847.2 24.06 24.06 23.62 23.75 23.75 23.17 10M 5730.5 13 12.44 12.82 13.56 13.51 12.88 10M 5786.5 13 12.97 13 12.67 14 13.91 13.3 13.21 5844.5 12.61 12.98 13.51 13.17 13.17 20M 5735.5 14.1 13.85 14.2 13.37 13.8 13.33 13.1 | 5G | | 5844.5 | | 23.69 | | 23.33 | | 23.65 | | 22.78 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | | 5730.2 | | 23.80 | | 23.86 | | 24.15 | | 23.16 |
| 5847.2 24.06 23.62 23.75 23.17 10M 5730.5 12.44 12.82 13.56 13.35 12.82 10M 5786.5 13 12.97 13 12.67 14 13.91 13.3 13.17 5844.5 12.61 12.98 13.37 13.8 13.33 13.17 20M 5735.5 14.1 13.85 14.2 13.37 13.8 13.33 13.1 | | | 5790.2 | 24.2 | 24.20 | 24 | 23.71 | 24.3 | 24.24 | 23.2 | 23.03 |
| 10M 5786.5 13 12.97 13 12.67 14 13.91 13.3 13.21 5844.5 12.61 12.98 13.51 13.17 20M 5735.5 14.1 13.85 14.2 13.37 13.8 13.33 13.1 | | Mode | 5847.2 | | 24.06 | | 23.62 | | 23.75 | | 23.17 |
| 5844.5 12.61 12.98 13.51 13.17 20M 5735.5 14.1 13.85 14.2 13.37 13.8 13.11 12.64 | | | 5730.5 | | 12.44 | | 12.82 | | 13.56 | | 12.88 |
| 20M 5735.5 14.1 13.85 14.2 13.37 13.8 13.33 13.1 12.64 | | 10M | 5786.5 | 13 | 12.97 | 13 | 12.67 | 14 | 13.91 | 13.3 | 13.21 |
| | | | 5844.5 | | 12.61 | | 12.98 | | 13.51 | | 13.17 |
| 5786.5 ^{14.1} 14.07 ^{14.2} 13.91 ^{13.0} 13.72 ^{13.1} 12.96 | | 2014 | 5735.5 | 1/1 | 13.85 | 14.0 | 13.37 | 12.0 | 13.33 | 12.1 | 12.64 |
| | | ZUIVI | | 14.1 | 14.07 | 14.2 | 13.91 | 13.8 | 13.72 | 13.1 | 12.96 |

7.1. Power measurement result of 2.4GHz

Page 12 of 22

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch. FORM NO: 10-SL-F0036



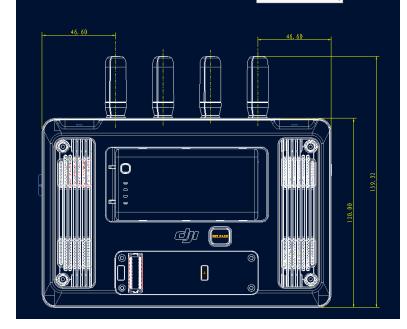
| | | 5839.5 | | 14.00 | | 14.18 | | 13.40 | | 13.01 |
|-----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 40M | 5745.5 | 14 | 13.78 | 13.5 | 13.20 | 13.5 | 12.99 | 13 | 12.75 | |
| | 5786.5 | | 12.84 | | 12.65 | | 13.50 | | 12.72 | |
| | | 5829.5 | | 13.25 | | 13.30 | | 13.34 |] | 12.88 |

Note:

- 1) As per KDB 447498 sec.4.1.d) at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) For the sef-defined 2.4G and 5GHz technology, the maximum output power mode was selected to performed SAR testing per each narrow band and wide band.

8. **RF Exposure Conditions**

Refer to the diagram of the device below for the specific details of the antenna to edges distances.



Per FCC KDB 616217 D04

The overall diagonal dimension of the display section of a tablet is > 20cm, the bottom surface and edges of the tablet should be selected for SAR evaluation at a 0mm separation distance, Exposures from antennas through the front surface of the display section of a full-size tablet, away from the edges, are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary, except for tablets that are designed to require continuous operations with the hand(s) next to the antenna(s).

The test separation distances required for a device to demonstrate SAR or MPE compliance must be sufficiently conservative to support the operational separation distances required by the device and its antennas and radiating structures. For devices such as tablets and transmitters embedded in keyboard sections of laptop computers that are typically used in close proximity to users, the test separation distance is determined by the smallest distance between the outer surface of the device and the user. For larger devices, as the antenna operational separation distance increases to where the SAR characteristics of the device and its antennas are not directly influenced by the user, such as antennas along the top and upper side edges of laptop computer displays or opposite and adjacent edges of tablets, the test separation distance is normally determined by the closest separation between the antenna and the user.

Page 13 of 22

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.



Per FCC KDB 447498D01:

1. The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\left[\sqrt{f(GHz)}\right] \le 3.0$ for 1-g SAR and ≤ 7.5 for product specific 10-g SAR, where:

- 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

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

2. The SAR exclusion threshold for distances >50mm is defined by the following equation, as illustrated in KDB 447498 D01 Appendix B:

a) at 100 MHz to 1500 MHz

[Power allowed at numeric threshold for 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW b) at > 1500 MHz and ≤ 6 GHz

[Power allowed at numeric Threshold at 50 mm in step 1) + (test separation distance - 50 mm) 10] mW

3. The test separation distances required for a device to demonstrate SAR or MPE compliance must be sufficiently conservative to support the operational separation distances required by the device and its antennas and radiating structures. For devices such as tablets and transmitters embedded in keyboard sections of laptop computers that are typically used in close proximity to users, the test separation distance is determined by the smallest distance between the outer surface of the device and the user. For larger devices, as the antenna operational separation distance increases to where the SAR characteristics of the device and its antennas are not directly influenced by the user, such as antennas along the top and upper side edges of laptop computer displays or opposite and adjacent edges of tablets, the test separation distance is normally determined by the closest separation between the antenna and the user.

| Position | | Frequency | Power (dBm) | Power (mW) | Separation Distance (mm) | Calculated Result | Threshold | SAR Test |
|-------------------|--------|-----------|----------------|---------------|--------------------------------|-------------------|-----------|-------------|
| | Narrow | 2471.12 | 24.0 | 251.19 | 95.42 | 120 | 795.42 | Excluded |
| Bottom | Band | 5848.12 | 24.4 | 275.42 | 62.03 | 120 | 762.03 | Excluded |
| side Wide Band | 2467.5 | 14.5 | 28.18 | 95.49 | 120 | 795.49 | Excluded | |
| | 5844.5 | 14.2 | 26.30 | 62.05 | 120 | 762.05 | Excluded | |

The FCC SAR evaluation of Bottom side is not required according the following calculation for exclusion.



9. Dielectric Property Measurements & System Check

9.1. Dielectric Property Measurements

The temperature of the tissue-equivalent medium used during measurement must also be within 18° C to 25° C and within $\pm 2^{\circ}$ C of the temperature when the tissue parameters are characterized.

The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3 - 4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.

Tissue dielectric parameters were measured at the low, middle and high frequency of each operating frequency range of the test device.

Tissue Dielectric Parameters

FCC KDB 865664 D01 v01r04 SAR Measurement 100 MHz to 6 GHz

| Target Frequency (MHz) | ŀ | lead | Body | | |
|------------------------|----------------|---------|----------------|---------|--|
| raiget requency (Minz) | ۶ _r | σ (S/m) | ε _r | σ (S/m) | |
| 150 | 52.3 | 0.76 | 61.9 | 0.80 | |
| 300 | 45.3 | 0.87 | 58.2 | 0.92 | |
| 450 | 43.5 | 0.87 | 56.7 | 0.94 | |
| 835 | 41.5 | 0.90 | 55.2 | 0.97 | |
| 900 | 41.5 | 0.97 | 55.0 | 1.05 | |
| 915 | 41.5 | 0.98 | 55.0 | 1.06 | |
| 1450 | 40.5 | 1.20 | 54.0 | 1.30 | |
| 1610 | 40.3 | 1.29 | 53.8 | 1.40 | |
| 1800 - 2000 | 40.0 | 1.40 | 53.3 | 1.52 | |
| 2450 | 39.2 | 1.80 | 52.7 | 1.95 | |
| 3000 | 38.5 | 2.40 | 52.0 | 2.73 | |
| 5000 | 36.2 | 4.45 | 49.3 | 5.07 | |
| 5100 | 36.1 | 4.55 | 49.1 | 5.18 | |
| 5200 | 36.0 | 4.66 | 49.0 | 5.30 | |
| 5300 | 35.9 | 4.76 | 48.9 | 5.42 | |
| 5400 | 35.8 | 4.86 | 48.7 | 5.53 | |
| 5500 | 35.6 | 4.96 | 48.6 | 5.65 | |
| 5600 | 35.5 | 5.07 | 48.5 | 5.77 | |
| 5700 | 35.4 | 5.17 | 48.3 | 5.88 | |
| 5800 | 35.3 | 5.27 | 48.2 | 6.00 | |

IEEE Std 1528-2013

Refer to Table 3 within the IEEE Std 1528-2013

Dielectric Property Measurements Results:

| | | L | _iquid Pa | rameters | | Deviation(%) | | Limit | Tomn | | |
|--------|-------|---------------|-----------|----------|------|--------------|-------|-------|---------------|---------------|--|
| Liquid | Freq. | req. Measured | | Target | | | | (%) | Temp. (°C) | Test Date | |
| | | €r | σ | €r | σ | €r | σ | (70) | | | |
| | 2360 | 41.00 | 1.75 | 39.36 | 1.72 | 4.17 | 1.74 | | | | |
| | 2450 | 40.80 | 1.79 | 39.20 | 1.80 | 4.08 | -0.56 | ±5 | 22.7 | July 08, 2021 | |
| Head | 2540 | 40.70 | 1.91 | 39.09 | 1.90 | 4.12 | 0.53 | | | | |
| 2450 | 2360 | 40.55 | 1.77 | 39.36 | 1.72 | 3.02 | 2.91 | | | July 30, 2021 | |
| | 2450 | 40.25 | 1.81 | 39.20 | 1.80 | 2.68 | 0.56 | ±5 | 23.1 | | |
| | 2540 | 40.15 | 1.93 | 39.09 | 1.90 | 2.71 | 1.58 | | | | |
| | 5660 | 35.30 | 5.08 | 35.46 | 5.13 | -0.45 | -0.97 | | | July 08, 2021 | |
| | 5750 | 35.10 | 5.19 | 35.36 | 5.22 | -0.74 | -0.57 | ±5 | 22.9 | | |
| Head | 5840 | 34.90 | 5.28 | 35.27 | 5.30 | -1.05 | -0.38 | | | - | |
| 5750 | 5660 | 35.41 | 5.13 | 35.46 | 5.13 | -0.14 | 0.00 | | | | |
| | 5750 | 35.22 | 5.25 | 35.36 | 5.22 | -0.40 | 0.57 | ±5 | 23.1 | July 30, 2021 | |
| | 5840 | 34.98 | 5.33 | 35.27 | 5.30 | -0.82 | 0.57 | | | | |
| | | | | 35.27 | | -0.82 | | | | | |

Page 15 of 22

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.



9.2. System Check

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are re-measured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

System Performance Check Measurement Conditions:

- The measurements were performed in the flat section of the TWIN SAM or ELI phantom, shell thickness: 2.0 ±0.2 mm (bottom plate) filled with Body or Head simulating liquid of the following parameters.
- The depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm for SAR measurements ≤ 3 GHz and ≥ 10.0 cm for measurements > 3 GHz.
- The DASY system with an E-Field Probe was used for the measurements.
- The dipole was mounted on the small tripod so that the dipole feed point was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was 10mm (above 1GHZ) and 15mm (below 1GHz) from dipole center to the simulating liquid surface.
- For area scan, standard grid spacing for head measurements is 15 mm in x- and y- dimension(≤2GHz), 12 mm in x- and y-dimension(2-4 GHz) and 10mm in x- and y- dimension(4-6GHz).
- For zoom scan, Δx_{zoom} , $\Delta y_{zoom} \le 2$ GHz ≤ 8 mm, 2-4GHz ≤ 5 mm and 4-6 GHz- ≤ 4 mm; $\Delta z_{zoom} \le 3$ GHz ≤ 5 mm, 3-4 GHz- ≤ 4 mm and 4-6GHz- ≤ 2 mm.
- Distance between probe sensors and phantom surface was set to 3 mm except for 5 GHz band. For 5GHz band, Distance between probe sensors and phantom surface was set to 2.5 mm
- The dipole input power (forward power) was set to 100 mW or 250 mW depend on the certificate of the dipoles.
- The results are normalized to 1 W input power.

System Check Results

The 1-g and 10-g SAR measured with a reference dipole, using the required tissue-equivalent medium at the test frequency, must be within 10% of the manufacturer calibrated dipole SAR target.

| | | Measured | Results | | | | | | |
|-------------|------|---|--------------|------------------------|--------------|--------------|---------------|---------------|--|
| T.S. Liquid | | Zoom Scan (W/Kg) Normalize to 1W (W/Kg) | | Target (Ref. value) | Delta (%) | Limit (%) | Temp. (°C) | Test Date | |
| | 1-g | 13.360 | 13.360 54.80 | | 2.05 | ±10 | 22.7 | July 08, 2021 | |
| Head 2450 | 10-g | 6.150 | 25.52 | 25.00 | 2.08 | ±10 | 22.1 | July 00, 2021 | |
| Tieau 2450 | 1-g | 13.190 | 52.76 | 53.70 | -1.75 | ±10 | 23.1 | July 30, 2021 | |
| | 10-g | 6.150 | 24.60 | 25.00 | -1.60 | ±10 | 23.1 | July 30, 2021 | |
| | 1-g | 8.300 | 83.00 | 80.00 | 3.75 | ±10 | 22.9 | July 08, 2021 | |
| Head 5750 | 10-g | 2.410 | 24.10 | 22.80 | 5.70 | ±10 | 22.9 | July 00, 2021 | |
| neau 3730 | 1-g | 8.280 | 82.80 | 80.00 | 3.50 | ±10 22.4 | | hube 20, 2021 | |
| | 10-g | 2.190 | 21.90 | 22.80 | -3.95 | ±10 | 23.1 | July 30, 2021 | |

Page 16 of 22

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.



10. Measured and Reported (Scaled) SAR Results

As per KDB 447498 sec.4.1.e), When SAR or MPE is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as reported.

Scaled SAR calculation formula:

Scaled SAR = Tune-up in mW / Conducted power in mW * Duty cycle (if available) * SAR value

SAR Test Reduction criteria are as follows:

KDB 447498 D01 General RF Exposure Guidance:

A) Per KDB447498 D01 v06, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.

B) 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:

- ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz.
- ≤ 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.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

Per KDB865664 D01 v01r04:

For each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/Kg; if the deviation among the repeated measurement is ≤ 20 %, and the measured SAR <1.45W/Kg, only one repeated measurement is required.

Note:

The same procedure is applied to extremity SAR evaluation, and the corresponding limitation is 2.5 times of 1-g SAR.

For Duty Cycle of narrow band of this product, it is limited to 10% duty cycle when it's in normal use. For the detailed technology information, please refer to Annex A.

Page 17 of 22



10.1. SAR Test Results.

| | Seconaria and | | | Power | (dBm) | SAR | Value | Pow | Duty | Scale |
|---------------|-----------------------------------|--------------|-----------------------|-------------|-------|---------------|----------------|-------------|---------------|-----------------|
| Frequen cy | Scenario and Distance (0mm) | Test Mode | Channel/ Frequency | Tune -up | Meas | 1-g (W/KG) | 10-g (W/KG) | er Drift | Factor (%) | d (W/Kg) |
| | | - | - | - | Ant 0 | | - | _ | - | |
| | Back Side | ЗM | 2404.5 | 23.3 | 23.27 | 0.225 | 0.129 | -0.13 | 10.00 | 0.023 |
| | Top Side | ЗM | 2404.5 | 23.3 | 23.27 | 0.485 | 0.167 | -0.17 | 10.00 | 0.049 |
| | Left Side | ЗM | 2404.5 | 23.3 | 23.27 | 0.027 | 0.015 | -0.18 | 10.00 | 0.003 |
| 2.4G | Right Side | ЗM | 2404.5 | 23.3 | 23.27 | 0.142 | 0.084 | 0.17 | 10.00 | 0.014 |
| 2.40 | Back Side | 20M | 2437.5 | 14.1 | 14.02 | 0.016 | 0.009 | 0.06 | 100.00 | 0.017 |
| | Top Side | 20M | 2437.5 | 14.1 | 14.02 | 0.056 | 0.014 | 0.10 | 100.00 | 0.057 |
| | Left Side | 20M | 2437.5 | 14.1 | 14.02 | 0.000 | 0.000 | -0.07 | 100.00 | 0.000 |
| | Right Side | 20M | 2437.5 | 14.1 | 14.02 | 0.021 | 0.010 | 0.02 | 100.00 | 0.021 |
| | Back Side | 3M | 5787.5 | 24.4 | 24.35 | 1.470 | 0.631 | 0.06 | 10.00 | 0.149 |
| | Top Side | ЗM | 5787.5 | 24.4 | 24.35 | 4.100 | 1.820 | -0.06 | 10.00 | 0.415 |
| | Left Side | 3M | 5787.5 | 24.4 | 24.35 | 0.105 | 0.047 | -0.11 | 10.00 | 0.011 |
| 5G | Right Side | 3M | 5787.5 | 24.4 | 24.35 | 0.271 | 0.118 | 0.09 | 10.00 | 0.027 |
| 50 | Back Side | 20M | 5786.5 | 14.1 | 14.07 | 0.219 | 0.087 | 0.01 | 100.00 | 0.221 |
| | Top Side | 20M | 5786.5 | 14.1 | 14.07 | 0.407 | 0.172 | -0.04 | 100.00 | 0.410 |
| | Left Side | 20M | 5786.5 | 14.1 | 14.07 | 0.001 | 0.001 | -0.10 | 100.00 | 0.001 |
| | Right Side | 20M | 5786.5 | 14.1 | 14.07 | 0.001 | 0.001 | 0.01 | 100.00 | 0.001 |
| | | | | | Ant 1 | | | | | |
| | Back Side | 3M | 2434.5 | 23.5 | 23.43 | 0.305 | 0.178 | 0.11 | 10.00 | 0.031 |
| | Top Side | ЗM | 2434.5 | 23.5 | 23.43 | 1.750 | 0.573 | -0.15 | 10.00 | 0.178 |
| | Left Side | 3M | 2434.5 | 23.5 | 23.43 | 0.140 | 0.081 | 0.06 | 10.00 | 0.014 |
| 2.4G | Right Side | 3M | 2434.5 | 23.5 | 23.43 | 0.125 | 0.072 | 0.05 | 10.00 | 0.013 |
| 2.40 | Back Side | 10M | 2407.5 | 14.0 | 13.89 | 0.029 | 0.016 | -0.09 | 100.00 | 0.030 |
| | Top Side | 10M | 2407.5 | 14.0 | 13.89 | 0.075 | 0.022 | 0.20 | 100.00 | 0.077 |
| | Left Side | 10M | 2407.5 | 14.0 | 13.89 | 0.021 | 0.008 | -0.03 | 100.00 | 0.021 |
| | Right Side | 10M | 2407.5 | 14.0 | 13.89 | 0.001 | 0.001 | 0.02 | 100.00 | 0.001 |
| | Back Side | 3M CA | 5730.2 | 24.0 | 23.86 | 0.618 | 0.132 | 0.09 | 10.00 | 0.064 |
| | Top Side | 3M CA | 5730.2 | 24.0 | 23.86 | 3.500 | 1.430 | -0.05 | 10.00 | 0.361 |
| | Left Side | 3M CA | 5730.2 | 24.0 | 23.86 | 0.211 | 0.093 | -0.06 | 10.00 | 0.022 |
| 50 | Right Side | 3M CA | 5730.2 | 24.0 | 23.86 | 0.090 | 0.034 | -0.01 | 10.00 | 0.009 |
| 5G | Back Side | 20M | 5839.5 | 14.2 | 14.18 | 0.143 | 0.057 | -0.11 | 100.00 | 0.144 |
| | Top Side | 20M | 5839.5 | 14.2 | 14.18 | 0.249 | 0.088 | -0.02 | 100.00 | 0.250 |
| | Left Side | 20M | 5839.5 | 14.2 | 14.18 | 0.035 | 0.012 | -0.06 | 100.00 | 0.035 |
| | Right Side | 20M | 5839.5 | 14.2 | 14.18 | 0.001 | 0.000 | -0.15 | 100.00 | 0.001 |

 Page 18 of 22

 UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
 FORM NO: 10-SL-F0036

 This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd,
 FORM NO: 10-SL-F0036
 FORM NO: 10-SL-F0036 Song Shan Lake Branch.

| | | | | | Ant 2 | | | | | |
|------|------------|-------|--------|------|-------|-------|-------|-------|--------|-------|
| | Back Side | ЗM | 2404.5 | 24.0 | 23.94 | 0.500 | 0.284 | -0.11 | 10.00 | 0.051 |
| | Top Side | ЗM | 2404.5 | 24.0 | 23.94 | 0.467 | 0.167 | -0.03 | 10.00 | 0.047 |
| | Left Side | ЗM | 2404.5 | 24.0 | 23.94 | 0.089 | 0.047 | -0.16 | 10.00 | 0.009 |
| 2.40 | Right Side | ЗM | 2404.5 | 24.0 | 23.94 | 0.589 | 0.344 | -0.09 | 10.00 | 0.060 |
| 2.4G | Back Side | 10M | 2467.5 | 14.5 | 14.32 | 0.071 | 0.038 | 0.03 | 100.00 | 0.074 |
| | Top Side | 10M | 2467.5 | 14.5 | 14.32 | 0.156 | 0.046 | -0.08 | 100.00 | 0.163 |
| | Left Side | 10M | 2467.5 | 14.5 | 14.32 | 0.008 | 0.004 | -0.06 | 100.00 | 0.009 |
| | Right Side | 10M | 2467.5 | 14.5 | 14.32 | 0.137 | 0.079 | 0.07 | 100.00 | 0.143 |
| | Back Side | 3M CA | 5790.2 | 24.3 | 24.24 | 1.690 | 0.748 | -0.12 | 10.00 | 0.171 |
| | Top Side | 3M CA | 5790.2 | 24.3 | 24.24 | 3.690 | 1.390 | -0.09 | 10.00 | 0.374 |
| | Left Side | 3M CA | 5790.2 | 24.3 | 24.24 | 0.102 | 0.044 | -0.05 | 10.00 | 0.010 |
| ГС | Right Side | 3M CA | 5790.2 | 24.3 | 24.24 | 0.201 | 0.084 | -0.16 | 10.00 | 0.020 |
| 5G | Back Side | 10M | 5786.5 | 14.0 | 13.91 | 0.115 | 0.046 | -0.11 | 100.00 | 0.117 |
| | Top Side | 10M | 5786.5 | 14.0 | 13.91 | 0.222 | 0.091 | 0.07 | 100.00 | 0.227 |
| | Left Side | 10M | 5786.5 | 14.0 | 13.91 | 0.001 | 0.000 | 0.11 | 100.00 | 0.001 |
| | Right Side | 10M | 5786.5 | 14.0 | 13.91 | 0.001 | 0.001 | -0.05 | 100.00 | 0.001 |
| | | | | | Ant 3 | | - | | - | |
| | Back Side | ЗM | 2434.5 | 24.0 | 23.74 | 0.465 | 0.258 | -0.11 | 10.00 | 0.049 |
| | Top Side | ЗM | 2434.5 | 24.0 | 23.74 | 0.742 | 0.274 | 0.08 | 10.00 | 0.079 |
| | Left Side | ЗM | 2434.5 | 24.0 | 23.74 | 0.695 | 0.407 | -0.05 | 10.00 | 0.074 |
| 2.4G | Right Side | ЗM | 2434.5 | 24.0 | 23.74 | 0.072 | 0.041 | -0.17 | 10.00 | 0.008 |
| 2.40 | Back Side | 20M | 2437.5 | 14.0 | 13.97 | 0.046 | 0.025 | 0.14 | 100.00 | 0.046 |
| | Top Side | 20M | 2437.5 | 14.0 | 13.97 | 0.095 | 0.026 | 0.07 | 100.00 | 0.096 |
| | Left Side | 20M | 2437.5 | 14.0 | 13.97 | 0.102 | 0.057 | 0.03 | 100.00 | 0.103 |
| | Right Side | 20M | 2437.5 | 14.0 | 13.97 | 0.011 | 0.004 | -0.07 | 100.00 | 0.011 |
| | Back Side | 1.4M | 5726.5 | 23.2 | 23.19 | 1.400 | 0.574 | -0.12 | 10.00 | 0.140 |
| | Top Side | 1.4M | 5726.5 | 23.2 | 23.19 | 4.620 | 1.750 | -0.10 | 10.00 | 0.463 |
| | Left Side | 1.4M | 5726.5 | 23.2 | 23.19 | 0.431 | 0.187 | 0.03 | 10.00 | 0.043 |
| 5G | Right Side | 1.4M | 5726.5 | 23.2 | 23.19 | 0.070 | 0.031 | -0.10 | 10.00 | 0.007 |
| 50 | Back Side | 10M | 5786.5 | 13.3 | 13.21 | 0.147 | 0.058 | 0.08 | 100.00 | 0.150 |
| | Top Side | 10M | 5786.5 | 13.3 | 13.21 | 0.601 | 0.202 | 0.08 | 100.00 | 0.614 |
| | Left Side | 10M | 5786.5 | 13.3 | 13.21 | 0.058 | 0.026 | -0.02 | 100.00 | 0.059 |
| | Right Side | 10M | 5786.5 | 13.3 | 13.21 | 0.001 | 0.000 | 0.02 | 100.00 | 0.001 |

Note:

The maximum output power mode for each frequency band and bandwidth was selected as the primary mode to test SAR . SAR measurement is not required for the other bandwidth, when the secondary mode is ≤ 0.25 dB higher than the primary mode.



10.2. SAR Test Results without protrusions at the worst case above

| | Scenario and | | | Power (dBm) | | SAR Value | | | | |
|-----------|---|--------------|-----------------------|-------------|-------|-----------------------|-------|----------------|-----------------------|------------------|
| Frequency | Distance (Body Worn & Hotspot 10mm) | Test Mode | Channel/ Frequency | Tune- up | Meas. | 1-g (Area Scan) | 10-g | Power Drift | Duty Factor (%) | Scaled (W/Kg) |
| | | | 1 | Ant O | | | | | | |
| 5G | Back Side | ЗM | 2404.5 | 23.3 | 23.27 | 0.671 | 0.294 | 0.19 | 10.00 | 0.676 |
| | Ant 2 | | | | | | | | | |
| 2.4G | Right Side | 10M | 2467.5 | 14.5 | 14.32 | 0.662 | 0.308 | 0.02 | 100.00 | 0.690 |

11. Simultaneous Transmission SAR Analysis

Per FCC KDB 447498D01, SAR compliance for simultaneous transmission must be considered when the maximum duration of overlapping transmissions, including network hand-offs, is greater than 30 seconds. This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis.

The Simultaneous Transmission Possibilities of this device are as below:

| | Simultaneously transmission | | | | | | | | | | |
|-----------|-----------------------------|------------------|--------------|--------------|-----|--|--|--|--|--|--|
| Condition | Antenna 0 | Support (YES/NO) | | | | | | | | | |
| 1 | \checkmark | \checkmark | | | YES | | | | | | |
| 2 | \checkmark | | | \checkmark | YES | | | | | | |
| 3 | | \checkmark | \checkmark | | YES | | | | | | |
| 4 | | | \checkmark | \checkmark | YES | | | | | | |

Note:

1) 2.4GHz and 5GHz can't transmit in simultaneous.

11.1. Simultaneous Transmission calculation.

All the value stated in the table below are the worst case found for standalone measurement with disregard of the transmission mode or channel where the worst case was found.

| Fraguanay | Position | ANT | | | | Sum | | | | |
|-----------|------------|-------|-------|-------|-------|--------|--------|--------|--------|--|
| Frequency | | ant0 | ant1 | ant2 | ant3 | ANT0&1 | ANT0&3 | ANT2&1 | ANT2&3 | |
| | Back Side | 0.023 | 0.031 | 0.074 | 0.049 | 0.054 | 0.072 | 0.105 | 0.123 | |
| | Top Side | 0.057 | 0.178 | 0.690 | 0.096 | 0.235 | 0.153 | 0.868 | 0.786 | |
| | Left Side | 0.003 | 0.021 | 0.009 | 0.103 | 0.024 | 0.106 | 0.030 | 0.112 | |
| 2.4G | Right Side | 0.021 | 0.013 | 0.143 | 0.011 | 0.034 | 0.032 | 0.156 | 0.154 | |

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch. FORM NO: 10-SL-F0036



| Fraguanay | Desition | ANT | | | | Sum | | | | |
|-----------|------------|-------|-------|-------|-------|--------|--------|--------|--------|--|
| Frequency | Position | ant0 | ant1 | ant2 | ant3 | ANT0&1 | ANT0&3 | ANT2&1 | ANT2&3 | |
| | Back Side | 0.221 | 0.144 | 0.171 | 0.150 | 0.365 | 0.371 | 0.315 | 0.321 | |
| | Top Side | 0.676 | 0.361 | 0.374 | 0.614 | 1.037 | 1.290 | 0.735 | 0.988 | |
| | Left Side | 0.011 | 0.035 | 0.010 | 0.059 | 0.046 | 0.070 | 0.045 | 0.069 | |
| 5G | Right Side | 0.027 | 0.009 | 0.020 | 0.007 | 0.036 | 0.034 | 0.029 | 0.027 | |

Note:

1) For Left, Right and Back Side Position, the worst results which measured without protrusions was used as the worst condition to do the calculation for all antennas.

2) For 2.4G and 5G SAR was evaluated for each antenna transmitting in standalone mode. The SAR distributions in MIMO mode were verified and the hot spots were sufficiently separated such that the two chains can be treated independently. So the highest SAR value across both chains in SISO mode represents the SAR value for MIMO mode.

3) For the maximum SUM 1-g SAR \leq 1.6 W/Kg, the SPLSR analysis is not required.

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

Page 21 of 22



Appendixes

Refer to separated files for the following appendixes.

4789980498.1-2-9-SAR_App A Photo(STC_180days)

4789980498.1-2-9-SAR_App B System Check Plots

4789980498.1-2-9-SAR_App C Highest Test Plots

4789980498.1-2-9-SAR_App D Cal. Certificates

4789980498.1-2-9-SAR_App E Dipole calibration record

-----End of Report------

Page 22 of 22