

SAR REFERENCE REPORT

IEEE Std 1528-2013

For Diaper Sensor

FCC ID: 2AG9A61810 Model Name: DS5000

Report Number: 12711423-S2V2 Issue Date: 4/5/2019

Prepared for The Procter & Gamble Company One Procter & Gamble Plaza Cincinnati, OH 45202 USA

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NVLAP LAB CODE 200065-0

Revision History

| Rev. | Date | Revisions | Revised By |
|------|----------|--|-------------|
| V1 | 4/1/2019 | Initial Issue | |
| V2 | 4/5/2019 | Section 7.2 – Added statement confirming liquid depth. | Dave Weaver |
| | | | |
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1. Attestation of Test Results

| The Procter & Gamble Company | | | |
|--|---|--|--|
| 2AG9A61810 | | | |
| DS5000 | | | |
| Published RF exposure KDB procedures IEEE Std 1528-2013 | | | |
| SAR Limits (W/Kg) | | | |
| Peak spatial-average (1g of tissue) | Extremities (hands, wrists, ankles, etc.) (10g of tissue) | | |
| 1.6 | 4 | | |
| Equipment Class - Highest Reported SAR (W/kg) | | | |
| DTS | | | |
| 0.484 | | | |
| 1/28/2019 to 1/28/2019 | | | |
| Pass | | | |
| | 2AG9A61810 DS5000 Published RF exposure KDB procedures IEEE Std 1528-2013 SAR Limi Peak spatial-average (1g of tissue) 1.6 Equipment Class - Highe DT 0.4 1/28/2019 to 1/28/2019 | | |

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

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| Approved & Released By: | Prepared By: | |
|-------------------------------|-------------------------------|--|
| Att. | Law The | |
| Dave Weaver | Lance Fleischer | |
| Operations Leader | Laboratory Engineer | |
| UL Verification Services Inc. | UL Verification Services Inc. | |

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, the following FCC Published RF exposure <u>KDB</u> procedures:

- o 447498 D01 General RF Exposure Guidance v06
- o 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
- 865664 D02 RF Exposure Reporting v01r02

In addition to the above, the following information was used:

o <u>TCB workshop</u> October 2016; RF Exposure Procedures (Bluetooth Duty Factor)

3. Facilities and Accreditation

The test sites and measurement facilities used to collect data are located at

| 47173 Benicia Street | 47266 Benicia Street |
|----------------------|----------------------|
| SAR Lab A | SAR Lab 1 |
| SAR Lab B | SAR Lab 2 |
| SAR Lab C | SAR Lab 3 |
| SAR Lab D | SAR Lab 4 |
| SAR Lab E | SAR Lab 5 |
| SAR Lab F | SAR Lab 6 |
| SAR Lab G | SAR Lab 7 |
| SAR Lab H | SAR Lab 8 |

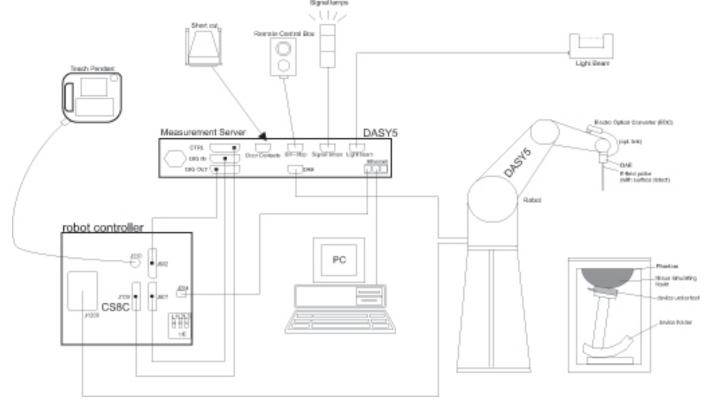
UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

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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 WinXP or Win7 and the DASY5 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.

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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 SAR | R 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 | 1/2 | | |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location | $30^{\circ} \pm 1^{\circ}$ | $20^\circ\pm1^\circ$ | |
| | \leq 2 GHz: \leq 15 mm 2 - 3 GHz: \leq 12 mm | $3 - 4$ GHz: ≤ 12 mm $4 - 6$ GHz: ≤ 10 mm | |
| 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. | | |

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 SAR | Measurement 100 MHz to 6 GHz |
|-------------------------------------|--------------------|------------------------------|
|-------------------------------------|--------------------|------------------------------|

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

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 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.

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 larger than the step size in Z-direction.

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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.

Dielectric Property Measurements

| Name of Equipment | Manufacturer | Type/Model | Serial No. | Cal. Due Date |
|-------------------------|-------------------|---------------|---------------|---------------|
| Vector Network Analyzer | Rhode & Schwarz | ZNLE6 | 101274MN | 7/16/2019 |
| Dielectric Probe kit | SPEAG | DAK-3.5 | 1103 | 2/6/2019 |
| Shorting Block | SPEAG | DAK-3.5 Short | SM DAK 200 BA | 2/6/2019 |
| Thermometer | Fisher Scientific | Traceable | 150378159 | 6/6/2019 |

System Check

| Name of Equipment | Manufacturer | Type/Model | Serial No. | Cal. Due Date |
|-------------------|-----------------|------------|------------|---------------|
| Signal Generator | Rhode & Schwarz | SMB100A | 180969-ус | 6/27/2019 |
| Power Sensor | Rhode & Schwarz | NRP18A | 100992-iz | 6/19/2019 |

Lab Equipment

| Name of Equipment | Manufacturer | Type/Model | Serial No. | Cal. Due Date |
|--|--------------|------------|------------|---------------|
| E-Field Probe (SAR Lab 5) | SPEAG | EX3DV4 | 7501 | 5/4/2019 |
| Data Acquisition Electronics (SAR Lab 5) | SPEAG | DAE4 | 1258 | 5/22/2019 |
| System Validation Dipole | SPEAG | D2450V2 | 899 | 3/16/2019 |
| Thermometer (SAR Lab 5) | EXTECH | 445703 | CCS-239 | 6/13/2017 |

<u>Other</u>

| Name of Equipment | Manufacturer | Type/Model | DNU | Serial No. | Cal. Due Date |
|-------------------|--------------|------------|-----|------------|---------------|
| Power Meter | Agilent | N1921A | | MY50001018 | 10/18/2019 |
| Power Sensor | Agilent | N1921A | | MY53020038 | 4/23/2019 |

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 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.

Therefore, the measurement uncertainty is not required.

6. Device Under Test (DUT) Information

6.1. DUT Description

| Device Dimensions | Refer to Appendix A | | | | | | | | |
|-------------------------|---------------------------|---------------------------------------|-----------|--|--|--|--|--|--|
| Back Cover | The Back Cover is not re | The Back Cover is not removable | | | | | | | |
| Battery Options | The battery is not user a | The battery is not user accessible. | | | | | | | |
| Battery Options | ☑ The battery is not use | ☑ The battery is not user accessible. | | | | | | | |
| Bluetooth Tethering | NA | NA . | | | | | | | |
| Test sample information | S/N | IMEI | Notes | | | | | | |
| | P3 | N/A | Radiated | | | | | | |
| | P3 | N/A | Conducted | | | | | | |
| | | | | | | | | | |
| Hardware Version | VCFZ310 | | | | | | | | |
| Software Version | 31357d2aec09b97dff7b4 | cea02471ae34800255f | | | | | | | |

6.2. Wireless Technologies

| Wireless technologies | Frequency bands | Operating mode | Duty Cycle used for SAR testing |
|--------------------------|-----------------|----------------|---------------------------------|
| Bluetooth | 2.4 GHz | Version 4.0 LE | 100% ¹ |

6.3. Test Rationale

The DUT is a diaper sensor. As both the front and rear of the sensor may come into contact with the body each face was tested. The DUT was tested standalone, attached to a dry diaper and attached to a wet diaper.

7. Dielectric Property Measurements & System Check

7.1. 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.

The dielectric constant (ϵ r) and conductivity (σ) of typical tissue-equivalent media recipes are expected to

be within \pm 5% of the required target values; but for SAR measurement systems that have implemented the SAR error compensation algorithms documented in IEEE Std 1528-2013, to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, the tolerance for ϵ r and σ may be relaxed to \pm 10%. This is limited to frequencies \leq 3 GHz.

Tissue Dielectric Parameters

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

| Target Frequency (MHz) | Н | ead | Body | | | |
|--------------------------|----------------|---------|----------------|---------|--|--|
| Target Frequency (Miriz) | ε _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:

| SAR | _ | Band | Tissue | Frequency | Relat | Relative Permittivity (cr) | | | Conductivity (σ) | | |
|-----|-----------|-------|-----------|-----------|----------|----------------------------|--------------|----------|------------------|--------------|--|
| Lab | Date | (MHz) | Туре | (MHz) | Measured | Target | Delta (%) | Measured | Target | Delta (%) | |
| | | 2450 | 2450 Body | 2450 | 54.18 | 52.70 | 2.81 | 2.08 | 1.95 | 6.82 | |
| 5 | 1/28/2019 | | | 2400 | 54.32 | 52.77 | 2.93 | 2.01 | 1.90 | 5.95 | |
| | | | | 2480 | 54.07 | 52.66 | 2.67 | 2.11 | 1.99 | 5.97 | |

7.2. 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 10 mm (above 1 GHz) and 15 mm (below 1 GHz) from dipole center to the simulating liquid surface.
- The coarse grid with a grid spacing of 15 mm was aligned with the dipole. For 5 GHz band - The coarse grid with a grid spacing of 10 mm was aligned with the dipole.
- Special 7x7x7 (below 3 GHz) and/or 8x8x7 (above 3 GHz) fine cube was chosen for the cube.
- Distance between probe sensors and phantom surface was set to 3 mm.
- For 5 GHz band Distance between probe sensors and phantom surface was set to 2.5 mm
- The dipole input power (forward power) was 100 mW.
- 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 $\pm 10\%$ of the manufacturer calibrated dipole SAR target. Refer to Appendix B for the SAR System Check Plots.

The tissue simulation liquid depth was confirmed to be at least 15 cm prior to the system check(s) being performed

| SAR | | Ticcuo | Tissue | Tissue | Tissue | Tissue | Tissue | Dinolo Turo | Dipole | Me | easured Resul | ts for 1g SAR | | Ме | asured Result | s for 10g SAR | | Plot |
|-----|-----------|---------------|------------------------|---------------------|------------------------|----------------|------------------------|---------------------|------------------------|----------------|---------------|---------------|-----|----|---------------|---------------|--|------|
| Lab | Date | Cal. Due Data | Zoom Scan to 100 mW | Normalize to 1 W | Target (Ref. Value) | Delta ±10 % | Zoom Scan to 100 mW | Normalize to 1 W | Target (Ref. Value) | Delta ±10 % | No. | | | | | | | |
| 5 | 1/28/2019 | Body | D2450V2 SN:899 | 3/16/2019 | 5.460 | 54.60 | 50.55 | 8.01 | 2.500 | 25.00 | 23.20 | 7.76 | 1,2 | | | | | |

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8. Conducted Output Power Measurements

8.1. Bluetooth

| | | | Freq. | Chain 0 A | er (dBm) | | |
|------|-------------|------|-------|-----------|----------|----------------------|--|
| Band | Mode | Ch # | (MHz) | Meas Pwr | Tune-up | SAR Test (Yes/No) | |
| | LE, GFSK | 0 | 2402 | 12.60 | 13.00 | | |
| 2.4 | | 19 | 2440 | 12.73 | 13.00 | Yes | |
| | | 39 | 2480 | 12.77 | 13.00 | | |

Note(s):

Duty Cycle = (T on / period) * 100%

9. Measured and Reported (Scaled) SAR Results

9.1. Bluetooth

| RF Exposure | | Dist. | Test | | Freq. | Pow er | (dBm) | 1-g SAF | R (W/kg) | Plot |
|-------------------|------|-------|----------|-------|-------|------------------|-------|----------------------|----------|------|
| Conditions | Mode | (mm) | Position | Ch #. | (MHz) | Tune-up Limit | Meas. | Meas. | Scaled | No. |
| | LE | 0 | Rear | 39 | 2480 | 13.00 | 12.77 | 0.153 | 0.161 | 1 |
| Standalone | LC | 0 | Front | 39 | 2480 | 13.00 | 12.77 | 0.459 0.484 2 | 2 | |
| Standalone | | 0 | Rear | 39 | 2480 | 13.00 | 12.77 | 0.038 | 0.040 | 3 |
| w / Diaper | LE | 0 | Front | 39 | 2480 | 13.00 | 12.77 | 0.362 | | 4 |
| Standalone | | 0 | Rear | 39 | 2480 | 13.00 | 12.77 | 0.008 | 0.009 | 5 |
| w / Wet Diaper | LE | LE 0 | Front | 39 | 2480 | 13.00 | 12.77 | 0.316 | 0.333 | 6 |

10. SAR Measurement Variability

In accordance with published RF Exposure KDB 865664 D01 SAR measurement 100 MHz to 6 GHz. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

- 1) Repeated measurement is not required when the original highest measured SAR is <0.8 or 2 W/kg (1-g or 10-g respectively); steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.8 or 2 W/kg (1-g or 10-g respectively), repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 or 3.6 W/kg (~ 10% from the 1-g or 10-g respective SAR limit).
- 4) Perform a third repeated measurement only if the original, first, or second repeated measurement is ≥ 1.5 or 3.75 W/kg (1-g or 10-g respectively) and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

| Frequ | Frequency | | | | Repeated | Highest | First Repeated | |
|------------|-----------|---------------|------------------------|---------------|-----------------|------------------------|---------------------------|-------------------------------------|
| Bai (MH | - | Air Interface | RF Exposure Conditions | Test Position | SAR (Yes/No) | Measured SAR (W/kg) | Measured SAR (W/kg) | Largest to Smallest SAR Ratio |
| 240 | 00 | BT | Standalone | Front | No | 0.484 | N/A | N/A |

Note(s):

Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is < 1.20.

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Appendixes

Refer to separated files for the following appendixes.

- Appendix A: SAR Setup Photos
- Appendix B: SAR System Check Plots
- **Appendix C: SAR Highest Test Plots**
- Appendix D: SAR Tissue Ingredients
- Appendix E: SAR Probe Certificates
- Appendix F: SAR Dipole Certificates

END OF REPORT

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