SAR Test Report No: RXA1707-0218SAR02R2



Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504 http://www.chinattl.cn

Glossary:

TSL ConvF N/A tissue simulating liquid sensitivity in TSL / NORMx,y,z not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) For hand-held devices used in close proximity to the ear (frequency range of 300MHz to 3GHz)", February 2005
- c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
 of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed
 point exactly below the center marking of the flat phantom section, with the arms oriented
 parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole
 positioned under the liquid filled phantom. The impedance stated is transformed from the
 measurement at the SMA connector to the feed point. The Return Loss ensures low
 reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point.
 No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor k=2, which for a normal distribution Corresponds to a coverage probability of approximately 95%.

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Measurement Conditions

DASY system configuration

| AST System comiguration, as lai as | I | |
|------------------------------------|--------------------------------------|----------------------------------|
| DASY Version | DASY52 | 52.8.8.1258 |
| Extrapolation | Advanced Extrapolation | |
| Phantom | Triple Flat Phantom 5.1C | |
| Distance Dipole Center - TSL | 10 mm | with Spacer |
| Zoom Scan Resolution | dx, dy = 4 mm, dz = 1.4 mm | Graded Ratio = 1.4 (Z direction) |
| Frequency | 5250 MHz ± 1 MHz 5600 MHz ± 1 MHz | |
| | 5750 MHz ± 1 MHz | |

Head TSL parameters at 5250 MHz
The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.9 | 4.71 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 35.4 ± 6 % | 4.64 mho/m ± 6 % |
| Head TSL temperature change during test | <1.0 °C | | |

SAR result with Head TSL at 5250 MHz

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|---|--------------------|---------------------------|
| SAR measured | 100 mW input power | 7.87 mW / g |
| SAR for nominal Head TSL parameters | normalized to 1W | 78.4 mW /g ± 23.0 % (k=2) |
| SAR averaged over 10 cm ³ (10 g) of Head TSL | Condition | |
| SAR measured | 100 mW input power | 2.25 mW / g |
| SAR for nominal Head TSL parameters | normalized to 1W | 22.4 mW /g ± 22.2 % (k=2) |



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Head TSL parameters at 5600 MHz
The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.5 | 5.07 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 35.4 ± 6 % | 5.02 mho/m ± 6 % |
| Head TSL temperature change during test | <1.0 °C | | |

SAR result with Head TSL at 5600 MHz

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|---|--------------------|---------------------------|
| SAR measured | 100 mW input power | 8.16 mW / g |
| SAR for nominal Head TSL parameters | normalized to 1W | 81.5 mW /g ±23.0 % (k=2) |
| SAR averaged over 10 cm ³ (10 g) of Head TSL | Condition | |
| SAR measured | 100 mW input power | 2.32 mW / g |
| SAR for nominal Head TSL parameters | normalized to 1W | 23.2 mW /g ± 22.2 % (k=2) |

Head TSL parameters at 5750 MHz

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 35.4 | 5.22 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 36.1 ± 6 % | 5.17 mho/m ± 6 % |
| Head TSL temperature change during test | <1.0 °C | | |

SAR result with Head TSL at 5750 MHz

| SAR averaged over 1 cm^3 (1 g) of Head TSL | Condition | |
|---|--------------------|---------------------------|
| SAR measured | 100 mW input power | 8.02 mW / g |
| SAR for nominal Head TSL parameters | normalized to 1W | 80.5 mW /g ± 23.0 % (k=2) |
| SAR averaged over 10 cm ³ (10 g) of Head TSL | Condition | |
| SAR measured | 100 mW input power | 2.26 mW / g |
| SAR for nominal Head TSL parameters | normalized to 1W | 22.7 mW /g ± 22.2 % (k=2) |



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Body TSL parameters at 5250 MHz

The following parameters and calculations were applied

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.9 | 5.36 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 47.8 ±6 % | 5.39 mho/m ± 6 % |
| Body TSL temperature change during test | <1.0 °C | | |

SAR result with Body TSL at 5250 MHz

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|---|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.59 mW / g |
| SAR for nominal Body TSL parameters | normalized to 1W | 75.6 mW /g ±23.0 % (k=2) |
| SAR averaged over 10 cm ³ (10 g) of Body TSL | Condition | |
| SAR measured | 100 mW input power | 2.15 mW / g |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.4 mW /g ±22.2 % (k=2) |

Body TSL parameters at 5600 MHz
The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.5 | 5.77 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 48.4 ± 6 % | 5.70 mho/m ± 6 % |
| Body TSL temperature change during test | <1.0 °C | | |

SAR result with Body TSL at 5600 MHz

| SAR averaged over 1 cm^3 (1 g) of Body TSL | Condition | |
|---|--------------------|--------------------------|
| SAR measured | 100 mW input power | 8.03 mW / g |
| SAR for nominal Body TSL parameters | normalized to 1W | 80.2 mW /g ±23.0 % (k=2) |
| SAR averaged over 10 cm ³ (10 g) of Body TSL | Condition | |
| SAR measured | 100 mW input power | 2.23 mW / g |
| SAR for nominal Body TSL parameters | normalized to 1W | 22.3 mW /g ±22.2 % (k=2) |



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Body TSL parameters at 5750 MHz

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Body TSL parameters | 22.0 °C | 48.3 | 5.94 mho/m |
| Measured Body TSL parameters | (22.0 ± 0.2) °C | 48.6 ±6 % | 5.83 mho/m ± 6 % |
| Body TSL temperature change during test | <1.0 °C | | |

SAR result with Body TSL at 5750 MHz

| SAR averaged over 1 cm ³ (1 g) of Body TSL | Condition | |
|---|--------------------|--------------------------|
| SAR measured | 100 mW input power | 7.46 mW / g |
| SAR for nominal Body TSL parameters | normalized to 1W | 74.6 mW /g ±23.0 % (k=2) |
| SAR averaged over 10 cm ³ (10 g) of Body TSL | Condition | |
| SAR measured | 100 mW input power | 2.10 mW / g |
| SAR for nominal Body TSL parameters | normalized to 1W | 21.0 mW /g ±22.2 % (k=2) |



Appendix

Antenna Parameters with Head TSL at 5250 MHz

| Impedance, transformed to feed point | 48.4Ω - 5.62jΩ | |
|--------------------------------------|----------------|--|
| Return Loss | - 24.5dB | |

Antenna Parameters with Head TSL at 5600 MHz

| Impedance, transformed to feed point | 55.5Ω - 5.39jΩ |
|--------------------------------------|----------------|
| Return Loss | - 22.8dB |

Antenna Parameters with Head TSL at 5750 MHz

| Impedance, transformed to feed point | 52.4Ω - 4.20jΩ |
|--------------------------------------|----------------|
| Return Loss | - 26.5dB |

Antenna Parameters with Body TSL at 5250 MHz

| Impedance, transformed to feed point | 50.4Ω - 5.86jΩ | |
|--------------------------------------|----------------|--|
| Return Loss | - 24.7dB | |

Antenna Parameters with Body TSL at 5600 MHz

| Impedance, transformed to feed point | 57.2Ω - 1.59jΩ | |
|--------------------------------------|----------------|--|
| Return Loss | - 23.3dB | |

Antenna Parameters with Body TSL at 5750 MHz

| Impedance, transformed to feed point | 56.0Ω - 0.37jΩ | |
|--------------------------------------|----------------|--|
| Return Loss | - 24.9dB | |

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General Antenna Parameters and Design

| Electrical Delay (one direction) | 1.310 ns |
|----------------------------------|----------|
| | 1.010110 |

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

| Manufactured by | SPEAG |
|-----------------|-------|
|-----------------|-------|

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AR Test Report No: RXA1707-0218SAR02R2

Date: 01.05.2017



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DASY5 Validation Report for Head TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1151

Communication System: CW; Frequency: 5250 MHz, Frequency: 5600 MHz,

Frequency: 5750 MHz,

Medium parameters used: f = 5250 MHz; σ = 4.636 mho/m; ϵ r = 35.38; ρ = 1000 kg/m3, Medium parameters used: f = 5600 MHz; σ = 5.015 mho/m; ϵ r = 35.41; ρ = 1000 kg/m3, Medium parameters used: f = 5750 MHz; σ = 5.173 mho/m; ϵ r = 36.06; ρ = 1000 kg/m3.

Phantom section: Center Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 SN7433; ConvF(5.13,5.13,5.13); Calibrated: 2016/9/26, ConvF(4.59,4.59,4.59); Calibrated: 2016/9/26, ConvF(4.66,4.66,4.66); Calibrated: 2016/9/26.
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn771; Calibrated: 2016/2/2
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1161/3
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Dipole Calibration /Pin=100mW, d=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 71.52 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.25 W/kg Maximum value of SAR (measured) = 18.3 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.03 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 34.2 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.32 W/kg Maximum value of SAR (measured) = 19.9 W/kg

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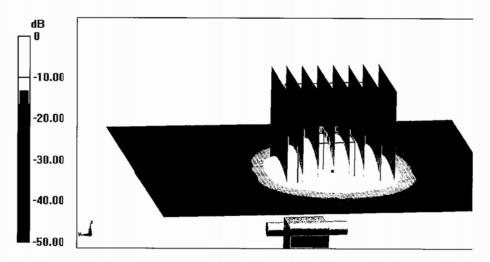
Dipole Calibration /Pin=100mW, d=10mm, f=5750 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.85 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 35.0 W/kg

SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.26 W/kg Maximum value of SAR (measured) = 19.7 W/kg

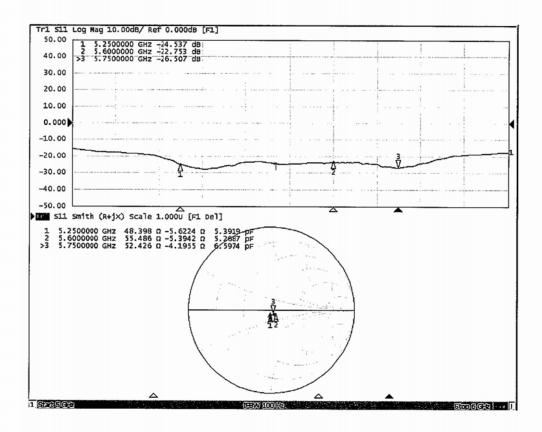


0 dB = 19.7 W/kg = 12.94 dBW/kg

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Impedance Measurement Plot for Head TSL



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Date: 01.04.2017



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DASY5 Validation Report for Body TSL

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1151

Communication System: CW; Frequency: 5250 MHz, Frequency: 5600 MHz,

Frequency: 5750 MHz,

Medium parameters used: f = 5250 MHz; σ = 5.388 mho/m; ϵ r = 47.81; ρ = 1000 kg/m3, Medium parameters used: f = 5600 MHz; σ = 5.704 mho/m; ϵ r = 48.39; ρ = 1000 kg/m3, Medium parameters used: f = 5750 MHz; σ = 5.833 mho/m; ϵ r = 48.61; ρ = 1000 kg/m3,

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 SN7433; ConvF(4.68,4.68,4.68); Calibrated: 2016/9/26, ConvF(3.98,3.98,3.98); Calibrated: 2016/9/26, ConvF(4.35,4.35,4.35); Calibrated: 2016/9/26,
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn771; Calibrated: 2016/2/2
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1161/3
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Dipole Calibration /Pin=100mW, d=10mm, f=5250 MHz/Zoom Scan.

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 63.69 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.15 W/kg Maximum value of SAR (measured) = 17.7 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 67.67 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 33.8 W/kg

SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.23 W/kg Maximum value of SAR (measured) = 19.8 W/kg

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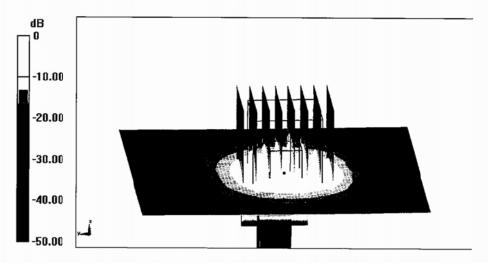
Dipole Calibration /Pin=100mW, d=10mm, f=5750 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 64.76 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 30.0 W/kg

SAR(1 g) = 7.46 W/kg; SAR(10 g) = 2.1 W/kg Maximum value of SAR (measured) = 17.5 W/kg



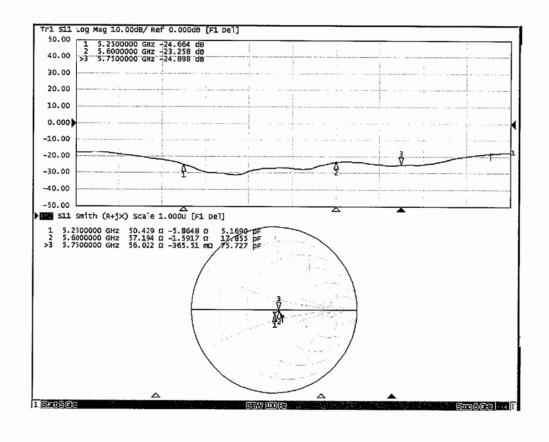
0 dB = 17.5 W/kg = 12.43 dBW/kg

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Impedance Measurement Plot for Body TSL



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ANNEX F: DAE4 Calibration Certificate

Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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Multilateral Agreement for the recognition of calibration certificates

Client TA - SH (Auden)

Certificate No: DAE4-1317_Aug16

Accreditation No.: SCS 0108

CALIBRATION CERTIFICATE Object DAE4 - SD 000 D04 BM - SN: 1317 Calibration procedure(s) QA CAL-06.v29 Calibration procedure for the data acquisition electronics (DAE) Calibration date: August 02, 2016 This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%. Calibration Equipment used (M&TE critical for calibration) ID# Cal Date (Certificate No.) Scheduled Calibration **Primary Standards** Keithley Multimeter Type 2001 SN: 0810278 09-Sep-15 (No:17153) Sep-16 Check Date (in house) Scheduled Check Secondary Standards SE UWS 053 AA 1001 05-Jan-16 (in house check) Auto DAE Calibration Unit In house check: Jan-17 SE UMS 006 AA 1002 05-Jan-16 (in house check) Calibrator Box V2.1 In house check: Jan-17 Function Dominique Steffen Technician Calibrated by: Deputy Technical Manager Fin Bomholt Approved by:

Certificate No: DAE4-1317_Aug16

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Issued: August 2, 2016

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Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst S Service suisse d'étalonnage C Servizio svizzero di taratura S **Swiss Calibration Service**

Accredited by the Swiss Accreditation Service (SAS) Accreditation No.: SCS 0108 The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary

DAE data acquisition electronics

Connector angle information used in DASY system to align probe sensor X to the robot

coordinate system.

Methods Applied and Interpretation of Parameters

DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.

- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
 - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
 - Common mode sensitivity: Influence of a positive or negative common mode voltage on the differential measurement.
 - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
 - AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
 - Input Offset Measurement. Output voltage and statistical results over a large number of zero voltage measurements.
 - Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance.
 - Input resistance: Typical value for information: DAE input resistance at the connector. during internal auto-zeroing and during measurement.
 - Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated.
 - Power consumption: Typical value for information. Supply currents in various operating modes.

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DC Voltage Measurement

A/D - Converter Resolution nominal

High Range; $1LSB = 6.1 \mu V$, full range = -100...+300 mVLow Range; 1LSB = 61 nV, full range = -1......+3 mVDASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| Calibration Factors | X | Y | 2 |
|---------------------|-----------------------|-----------------------|-----------------------|
| High Range | 403.696 ± 0.02% (k=2) | 404 461 ± 0.02% (k=2) | 403 818 ± 0.02% (k=2) |
| Low Range | 3.97862 ± 1.50% (k=2) | 3.96348 ± 1.50% (k=2) | 3 96891 ± 1.50% (k=2) |

Connector Angle

| | min resident and and a family of the same |
|---|---|
| Connector Angle to be used in DASY system | 117.0°±1° |
| | |

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Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

| High Range | | Reading (μV) | Difference (μV) | Error (%) |
|------------|---------|--------------|-----------------|-----------|
| Channel X | + Input | 200032.79 | -3.68 | -0.00 |
| Channel X | + Input | 20006.07 | 1.13 | 0.01 |
| Channel X | - Input | -20003.21 | 2.37 | -0.01 |
| Channel Y | + Input | 200031.96 | -4.57 | -0.00 |
| Channel Y | + Input | 20005.25 | 0.33 | 0.00 |
| Channel Y | - Input | -20004.62 | 1.11 | -0.01 |
| Channel Z | + Input | 200034.76 | -1.90 | -0.00 |
| Channel Z | + Input | 20003.54 | -1.36 | -0.01 |
| Channel Z | - Input | -20007.05 | -1.23 | 0.01 |

| Low Range | | Reading (μV) | Difference (μV) | Error (%) |
|-----------|---------|--------------|-----------------|-----------|
| Channel X | + Input | 2001.07 | 0.05 | 0.00 |
| Channel X | + Input | 200.98 | 0.05 | 0.03 |
| Channel X | - Input | -198.75 | 0.16 | -0.08 |
| Channel Y | + Input | 2001.23 | 0.25 | 0.01 |
| Channel Y | + Input | 200.04 | -0.72 | -0.36 |
| Channel Y | - Input | -199.83 | -0.78 | 0.39 |
| Channel Z | + Input | 2000.78 | -0.03 | -0.00 |
| Channel Z | + Input | 200.06 | -0.74 | -0.37 |
| Channel Z | - Input | -201.07 | -1.98 | 1.00 |

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| | Common mode Input Voltage (mV) | High Range Average Reading (μV) | Low Range Average Reading (μV) |
|-----------|-----------------------------------|------------------------------------|-----------------------------------|
| Channel X | 200 | 12.74 | 10.34 |
| | - 200 | -8.06 | -10.25 |
| Channel Y | 200 | 10.89 | 10.77 |
| | - 200 | -11.81 | -11.91 |
| Channel Z | 200 | 1.17 | 1.05 |
| | - 200 | -3.56 | -3.36 |

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| | Input Voltage (mV) | Channel X (μV) | Channel Y (μV) | Channel Z (μV) |
|-----------|--------------------|----------------|----------------|----------------|
| Channel X | 200 | - | 1.62 | -5.02 |
| Channel Y | 200 | 8.83 | | 2.99 |
| Channel Z | 200 | 10.37 | 5.96 | - |

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FCC SAR Test Report Report No: RXA1707-0218SAR02R2

4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| | High Range (LSB) | Low Range (LSB) |
|-----------|------------------|-----------------|
| Channel X | 15752 | 15528 |
| Channel Y | 16479 | 15966 |
| Channel Z | 16106 | 15725 |

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec Input $10M\Omega$

| | Average (μV) | min. Offset (μV) | max. Offset (μV) | Std. Deviation (μV) |
|-----------|--------------|------------------|------------------|---------------------|
| Channel X | 0.01 | -0.95 | 1.23 | 0.46 |
| Channel Y | 0.35 | -1.00 | 1.91 | 0.54 |
| Channel Z | -1.31 | -3.35 | 0.42 | 0.79 |

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

| | Zeroing (kOhm) | Measuring (MOhm) |
|-----------|----------------|------------------|
| Channel X | 200 | 200 |
| Channel Y | 200 | 200 |
| Channel Z | 200 | 200 |

8. Low Battery Alarm Voltage (Typical values for information)

| Typical values | Alarm Level (VDC) | |
|----------------|-------------------|--|
| Supply (+ Vcc) | +7.9 | |
| Supply (- Vcc) | -7.6 | |

9. Power Consumption (Typical values for information)

| Typical values | Switched off (mA) | Stand by (mA) | Transmitting (mA) |
|----------------|-------------------|---------------|-------------------|
| Supply (+ Vcc) | +0.01 | +6 | +14 |
| Supply (- Vcc) | -0.01 | -8 | -9 |

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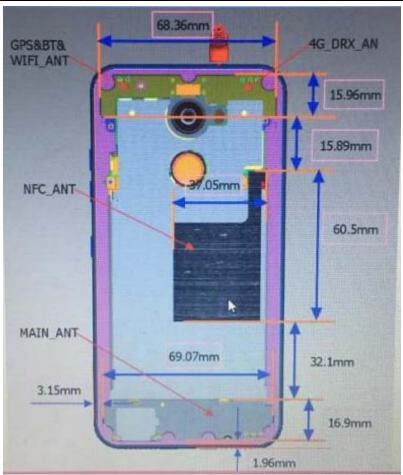
ANNEX G: The EUT Appearances and Test Configuration



Front Side



Back Side a: EUT



b: Antenna

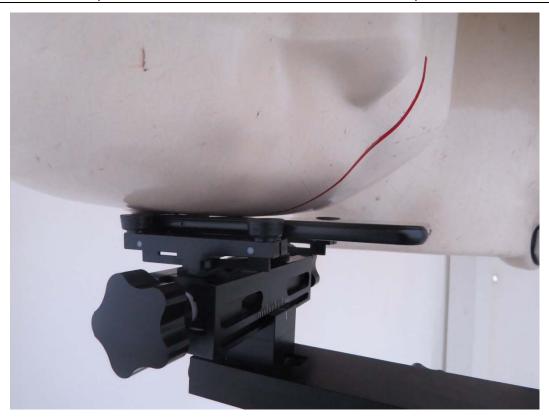
Picture 7: Constituents of EUT



Picture 8: Left Hand Touch Cheek Position



Picture 9: Left Hand Tilt 15 Degree Position



Picture 10: Right Hand Touch Cheek Position



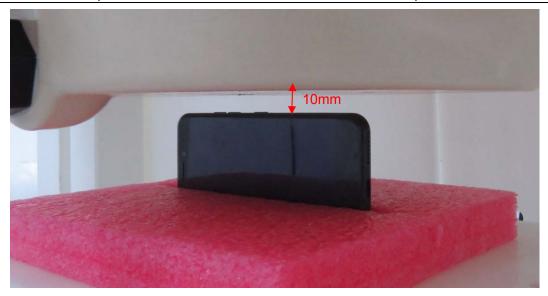
Picture 11: Right Hand Tilt 15 Degree Position



Picture 12: Back Side, the distance from handset to the bottom of the Phantom is 10mm



Picture 13: Front Side, the distance from handset to the bottom of the Phantom is 10mm



Picture 14: Right Side, the distance from handset to the bottom of the Phantom is 10mm



Picture 15: Top Side, the distance from handset to the bottom of the Phantom is 10mm