



**Appendix B. SAR Measurement Plots**

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Test Laboratory: HUAWEI SAR/HAC Lab

## SLA-L23 GSM850 251CH Right head with SIM 2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.914$  S/m;  $\epsilon_r = 39.823$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.22, 9.22, 9.22); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.239 W/kg

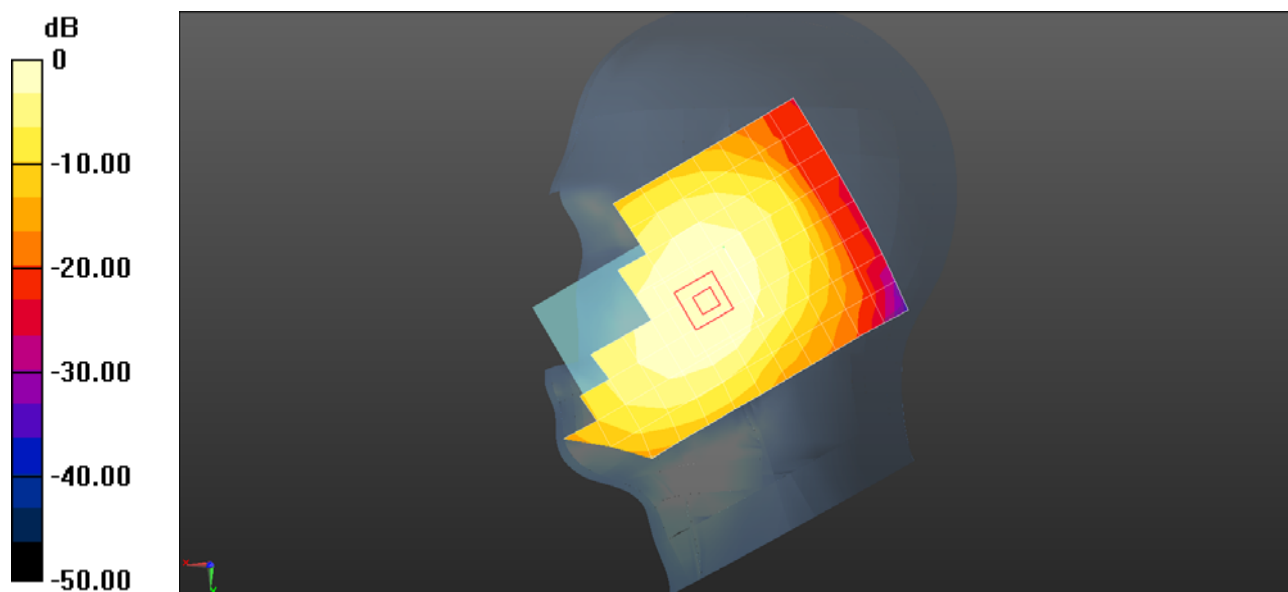
**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.018 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.239 W/kg = -6.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 GSM850 GPRS 4TS 251CH Back side 10mm with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-4TS (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 849$  MHz;  $\sigma = 1.007$  S/m;  $\epsilon_r = 53.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.471 W/kg

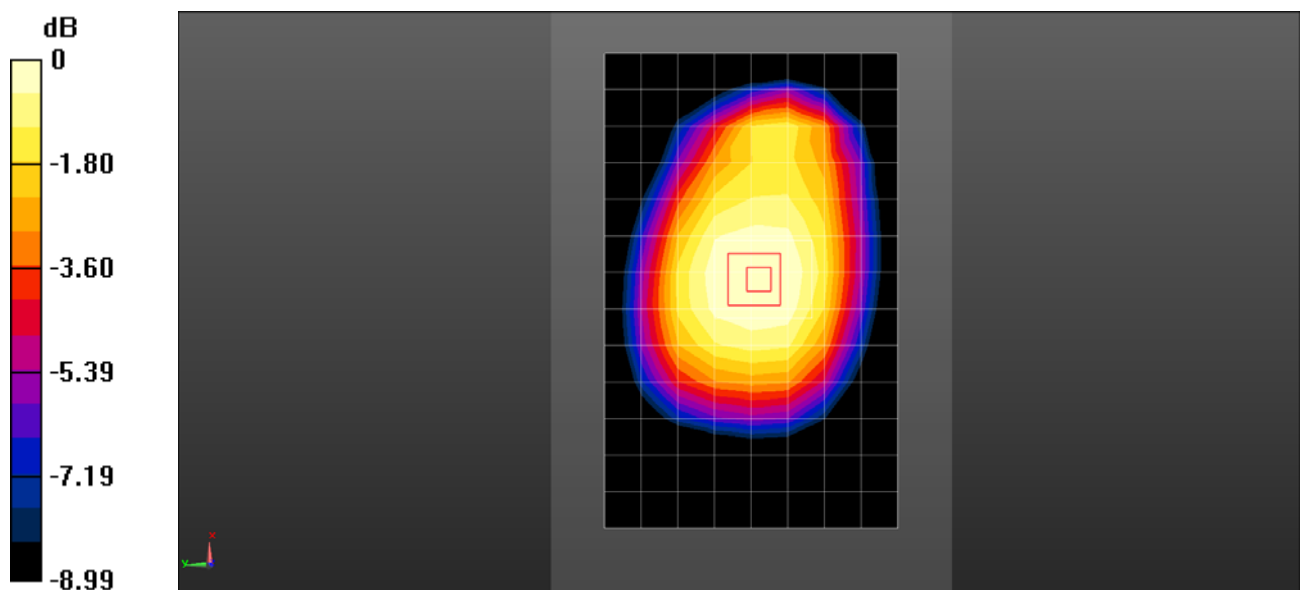
**Configuration/Head/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.18 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.504 W/kg

**SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.305 W/kg**

Maximum value of SAR (measured) = 0.467 W/kg



0 dB = 0.467 W/kg = -3.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SLA-L23 GSM1900 810CH Left touch with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.427$  S/m;  $\epsilon_r = 38.287$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.73, 7.73, 7.73); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.128 W/kg

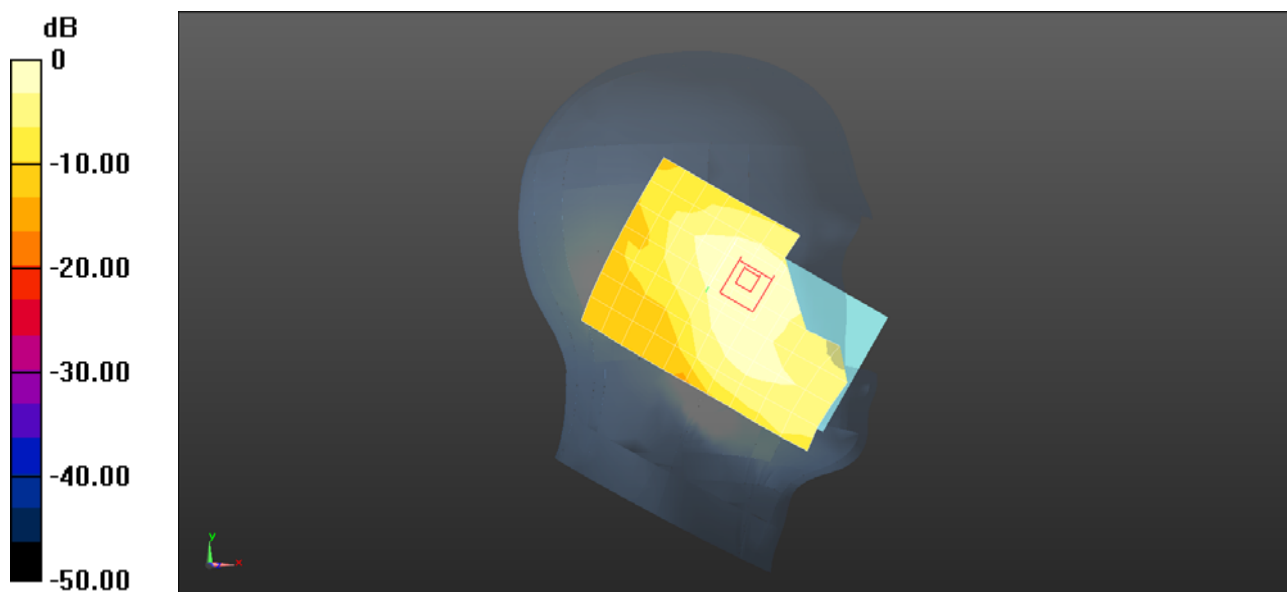
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.854 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.140 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.073 W/kg**

Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.128 W/kg = -8.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 GSM1900 GPRS 4TS 661CH Front side 15mm

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-4TS (0); Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.583$  S/m;  $\epsilon_r = 51.737$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.295 W/kg

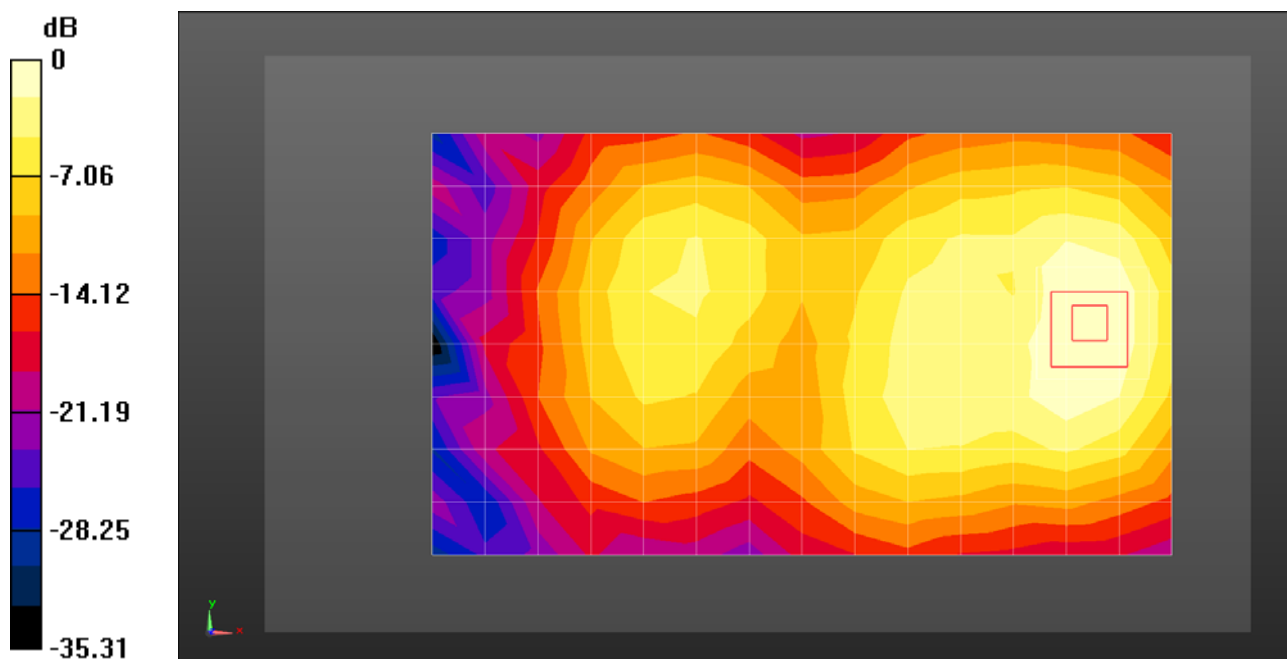
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.264 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.401 W/kg

**SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.142 W/kg**

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.295 W/kg = -5.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 GSM1900 GPRS 4TS 512CH Bottom side 10mm with SIM2

**DUT: SLA-L23; Type: Phone; Serial: SAR4**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-4TS (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.566$  S/m;  $\epsilon_r = 51.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.849 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

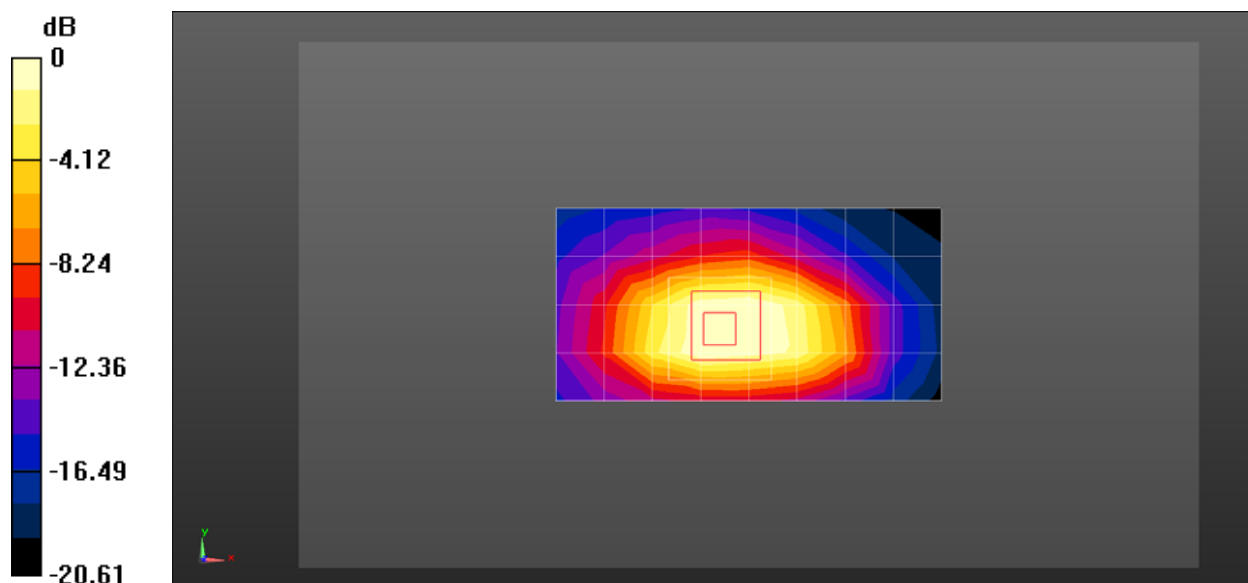
Reference Value = 20.28 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.854 W/kg; SAR(10 g) = 0.456 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 0.849 W/kg = -0.71 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SLA-L23 UMTS Band II 9538CH Left touch with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.425$  S/m;  $\epsilon_r = 38.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.73, 7.73, 7.73); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.191 W/kg

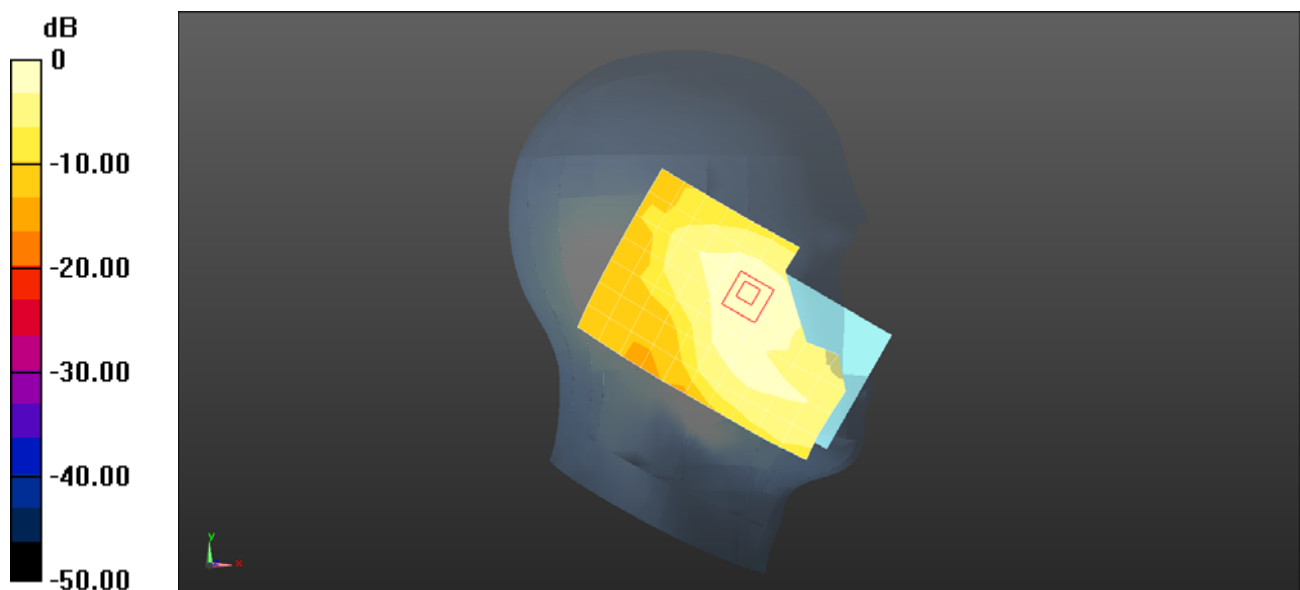
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.295 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.211 W/kg

**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.107 W/kg**

Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.191 W/kg = -7.19 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 UMTS Band II 9400CH Back side 15mm

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.56$  S/m;  $\epsilon_r = 52.664$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.579 W/kg

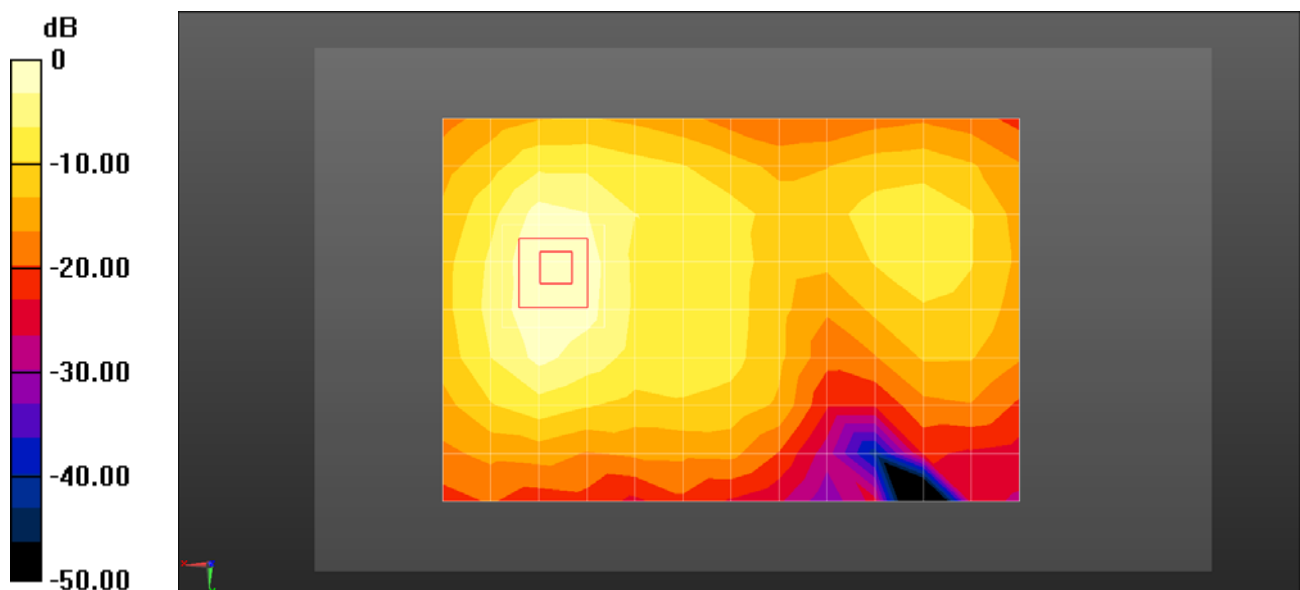
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.847 V/m; Power Drift = -0.1; dB

Peak SAR (extrapolated) = 0.820 W/kg

**SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 0.694 W/kg



0 dB = 0.579 W/kg = -2.37 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 UMTS Band II 9262CH Bottom side 10mm

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 52.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (5x10x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.784 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

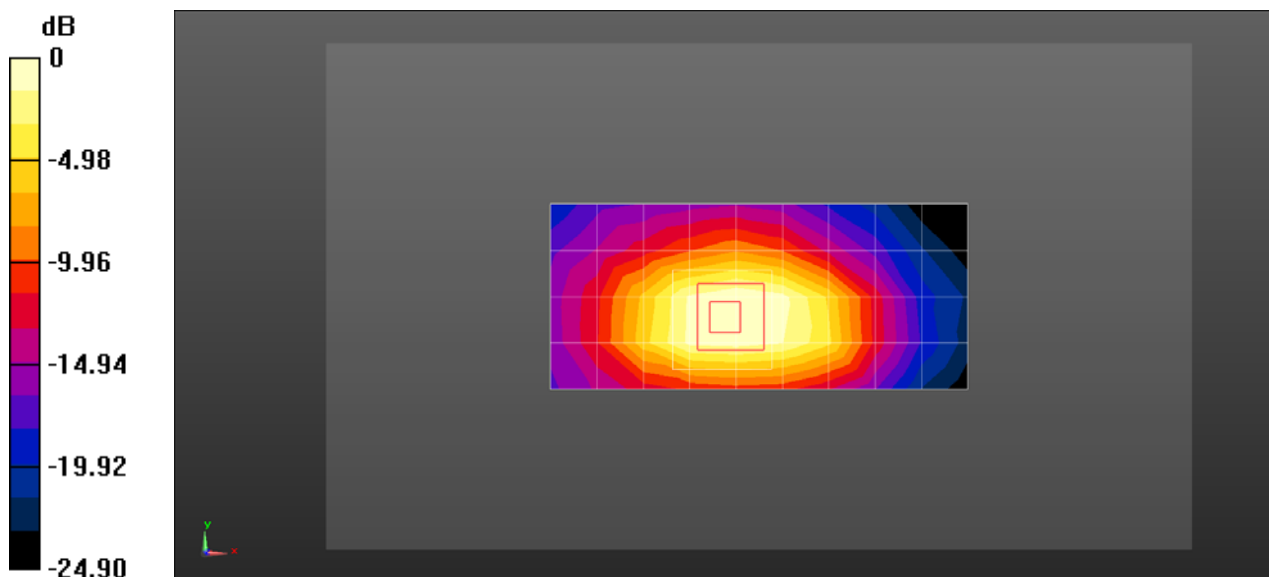
Reference Value = 18.01 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.391 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 0.784 W/kg = -1.06 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SLA-L23 UMTS Band IV 1513CH Left touch with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.326$  S/m;  $\epsilon_r = 39.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(8.3, 8.3, 8.3); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.160 W/kg

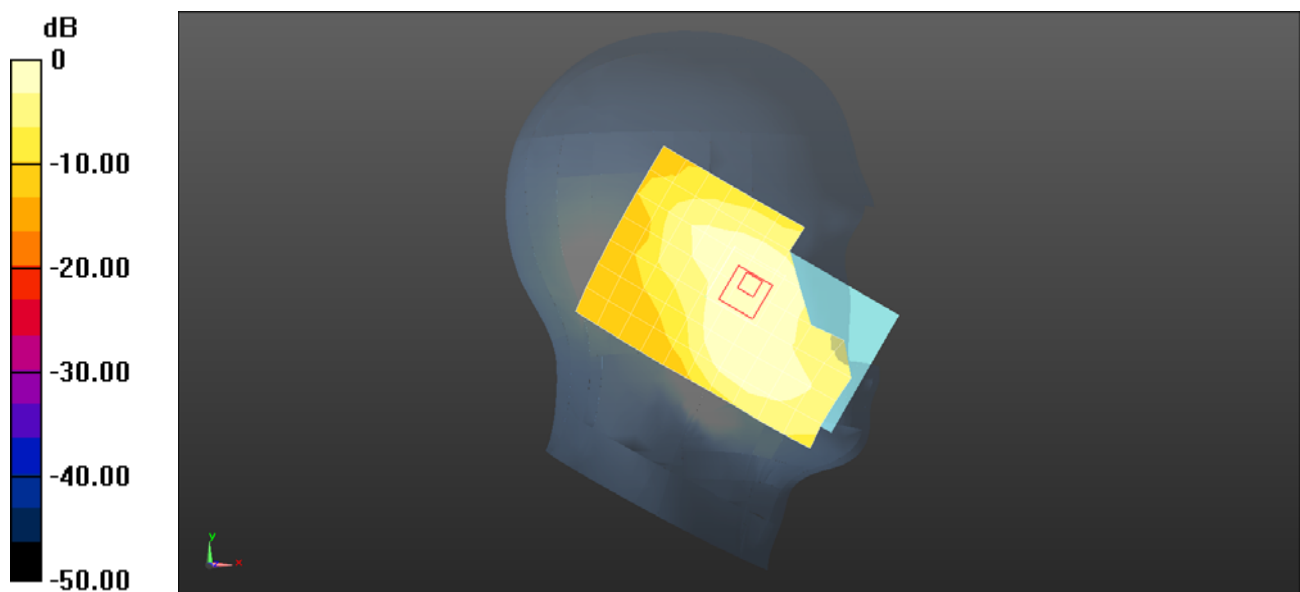
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.894 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.172 W/kg

**SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.160 W/kg = -7.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SLA-L23 UMTS Band IV 1413CH Back side 15mm with battery 2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.523$  S/m;  $\epsilon_r = 53.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.8, 7.8, 7.8); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.414 W/kg

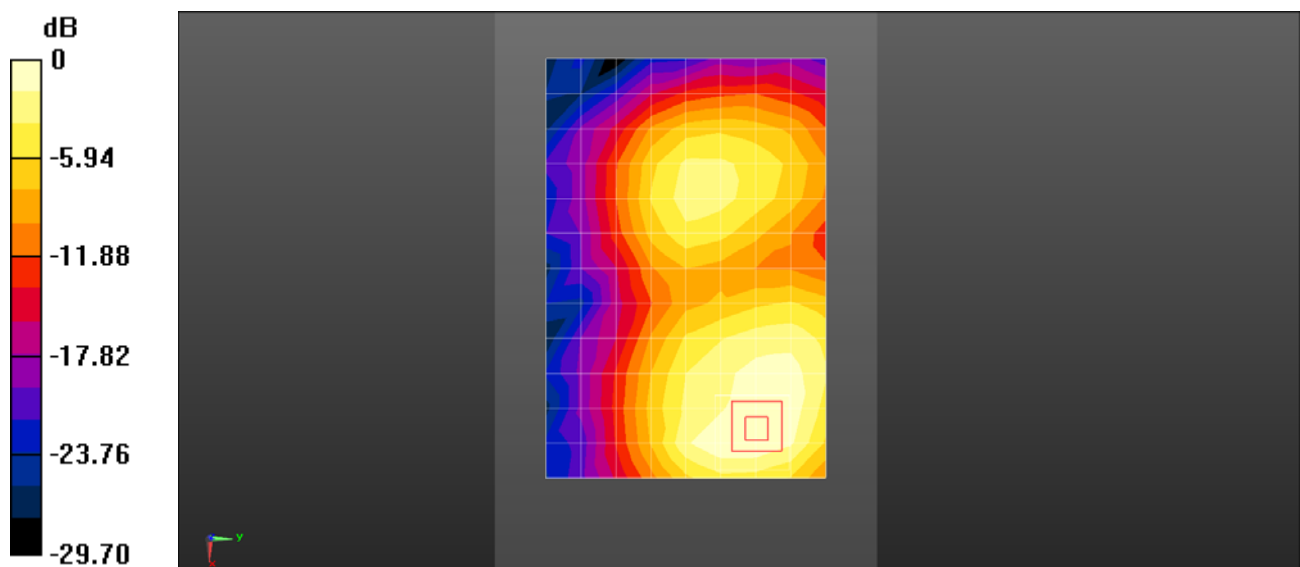
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.466 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.533 W/kg

**SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.198 W/kg**

Maximum value of SAR (measured) = 0.456 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 UMTS Band IV 1413CH Bottom side 10mm with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.523$  S/m;  $\epsilon_r = 53.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.8, 7.8, 7.8); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (7x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.495 W/kg

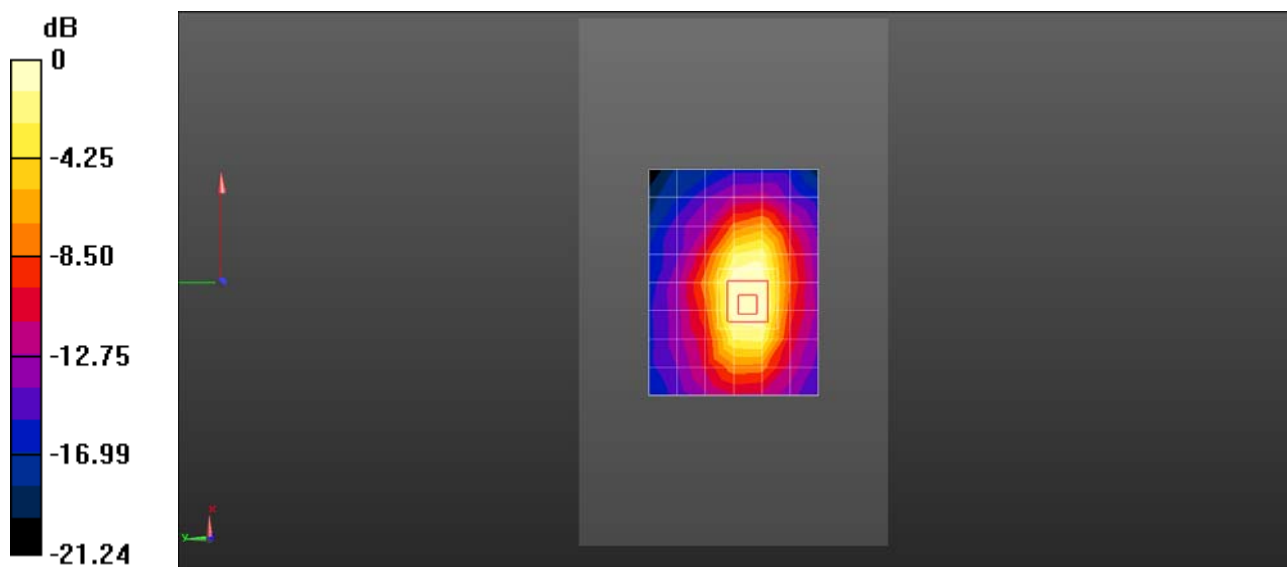
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.92 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.846 W/kg

**SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.254 W/kg**

Maximum value of SAR (measured) = 0.702 W/kg



0 dB = 0.495 W/kg = -3.06 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SLA-L23 UMTS Band V 4233CH Left touch with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.912 \text{ S/m}$ ;  $\epsilon_r = 39.839$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.22, 9.22, 9.22); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.313 W/kg

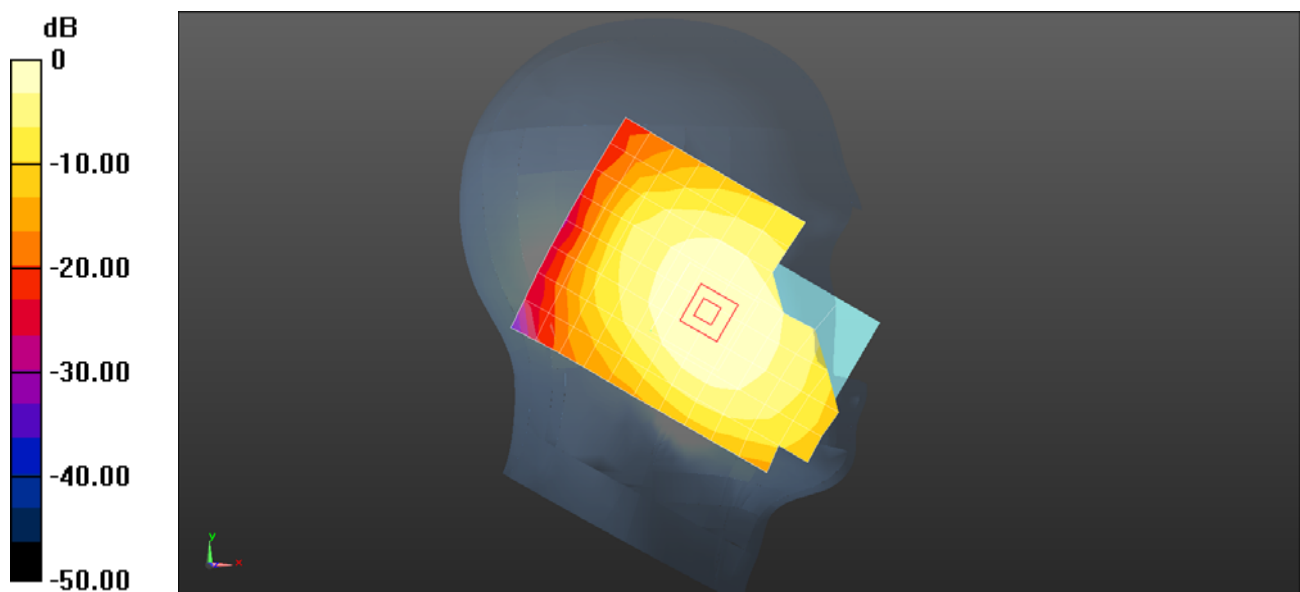
**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.830 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.365 W/kg

**SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.333 W/kg



0 dB = 0.313 W/kg = -5.04 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SLA-L23 UMTS Band V 4233CH Back side 10mm with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 847$  MHz;  $\sigma = 1.006$  S/m;  $\epsilon_r = 53.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.551 W/kg

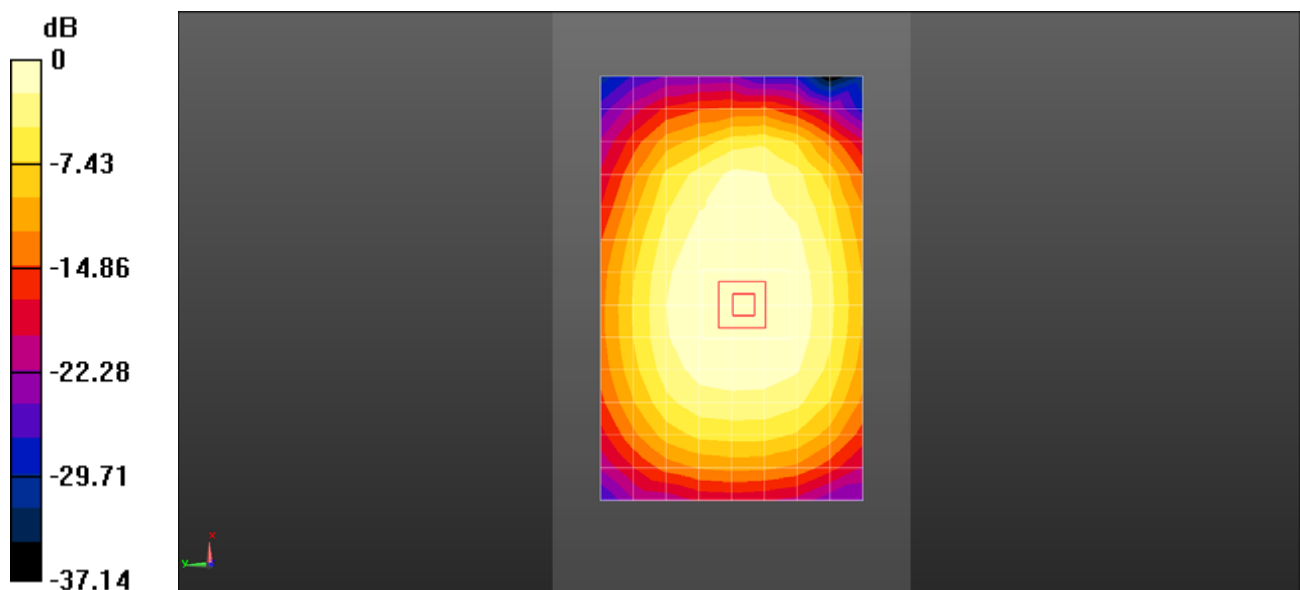
**Configuration/Head/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.50 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.363 W/kg**

Maximum value of SAR (measured) = 0.565 W/kg



0 dB = 0.551 W/kg = -2.59 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SLA-L23 LTE Band II 20M QPSK 1RB 50 offset 18700CH Left touch -with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.408$  S/m;  $\epsilon_r = 38.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.73, 7.73, 7.73); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.136 W/kg

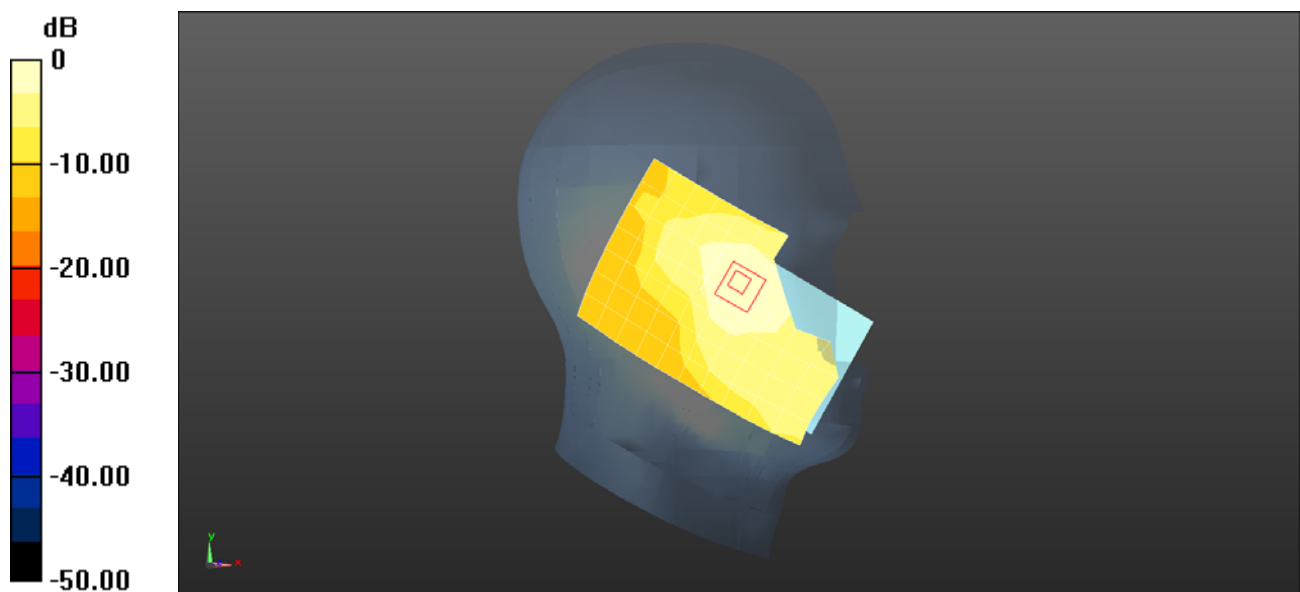
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.436 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.154 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.079 W/kg**

Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.136 W/kg = -8.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 LTE Band II 20M QPSK 1RB 50 offset 18700CH Back side 15mm

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.545$  S/m;  $\epsilon_r = 52.702$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.668 W/kg

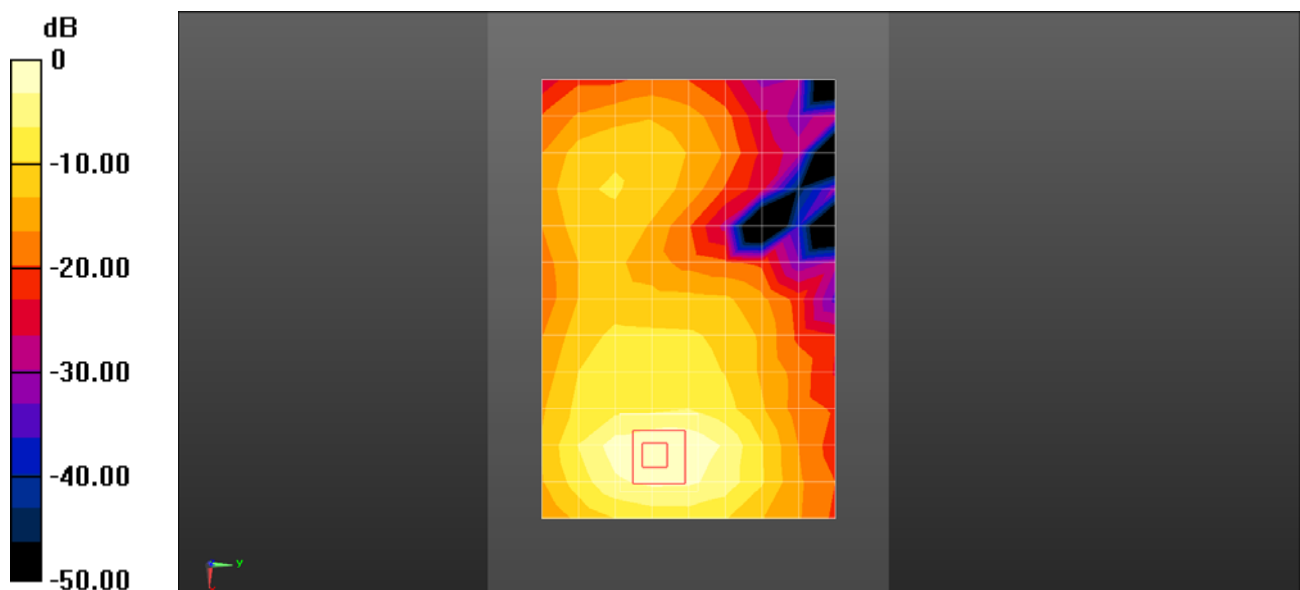
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.041 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.852 W/kg

**SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.281 W/kg**

Maximum value of SAR (measured) = 0.733 W/kg



0 dB = 0.668 W/kg = -1.75 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 LTE Band II 20M QPSK 1RB 50 offset 19100CH Bottom side 10mm

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.573$  S/m;  $\epsilon_r = 52.622$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.5, 7.5, 7.5); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.835 W/kg

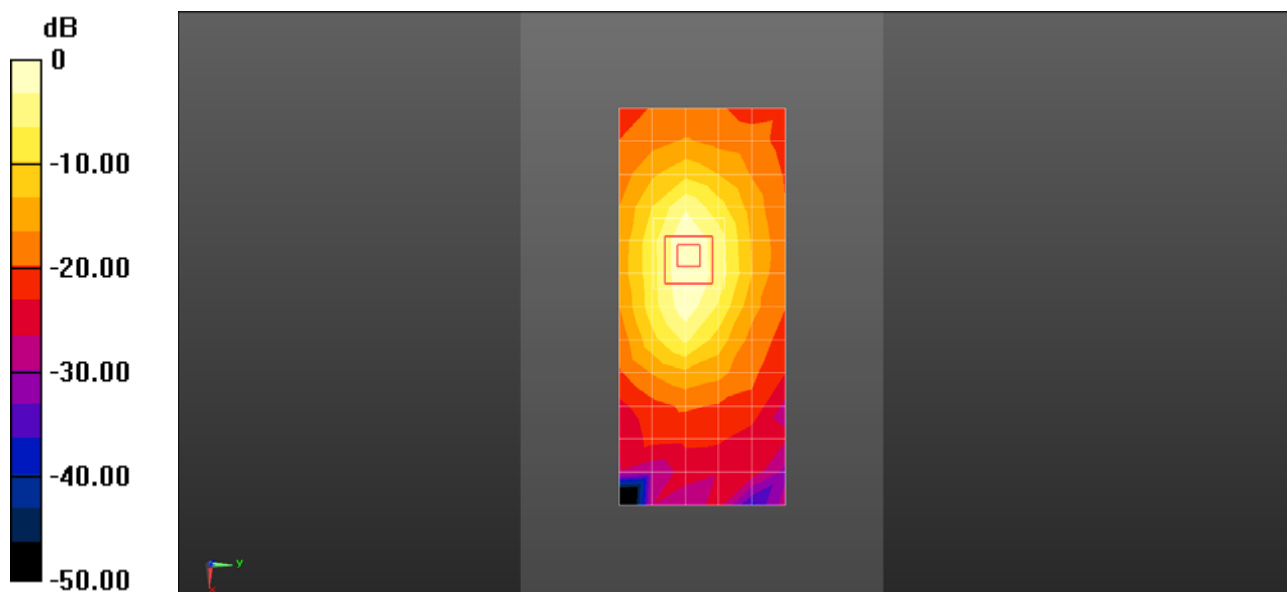
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.47 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.326 W/kg**

Maximum value of SAR (measured) = 0.928 W/kg



0 dB = 0.835 W/kg = -0.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**SLA-L23 LTE Band IV 20M QPSK 1RB 0 offset 20300CH Left touch with SIM2**

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.324$  S/m;  $\epsilon_r = 39.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(8.3, 8.3, 8.3); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

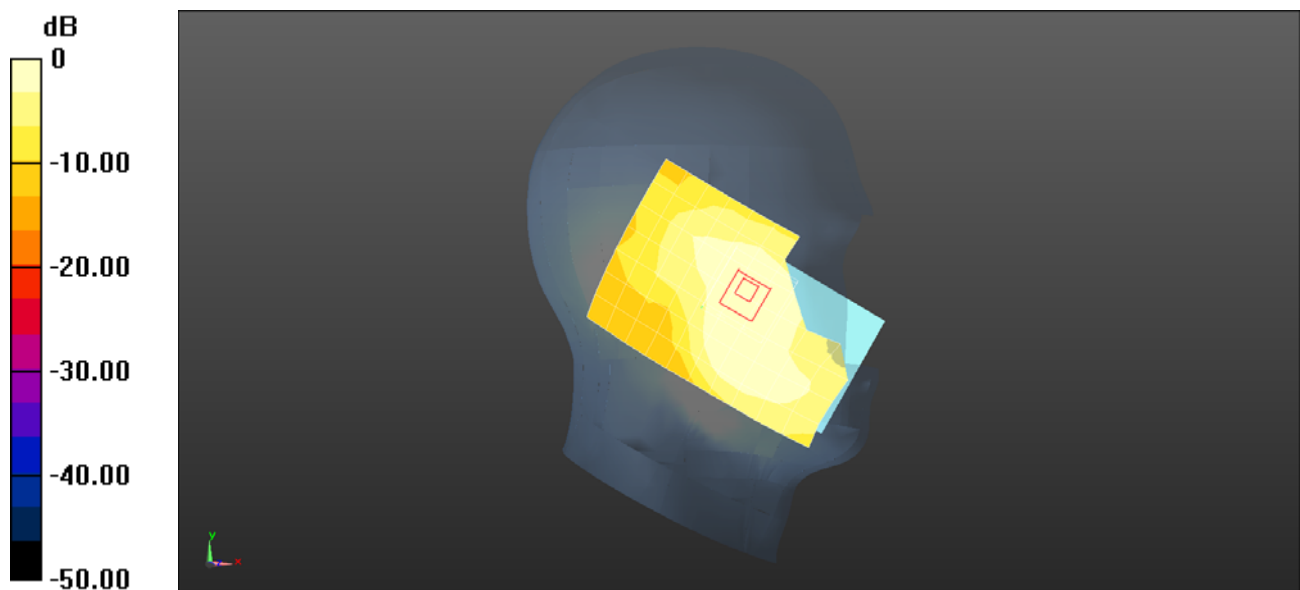
Maximum value of SAR (measured) = 0.145 W/kg

**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.477 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.156 W/kg

**SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.088 W/kg**



0 dB = 0.145 W/kg = -8.40 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Back side 15mm

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.532$  S/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.8, 7.8, 7.8); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.414 W/kg

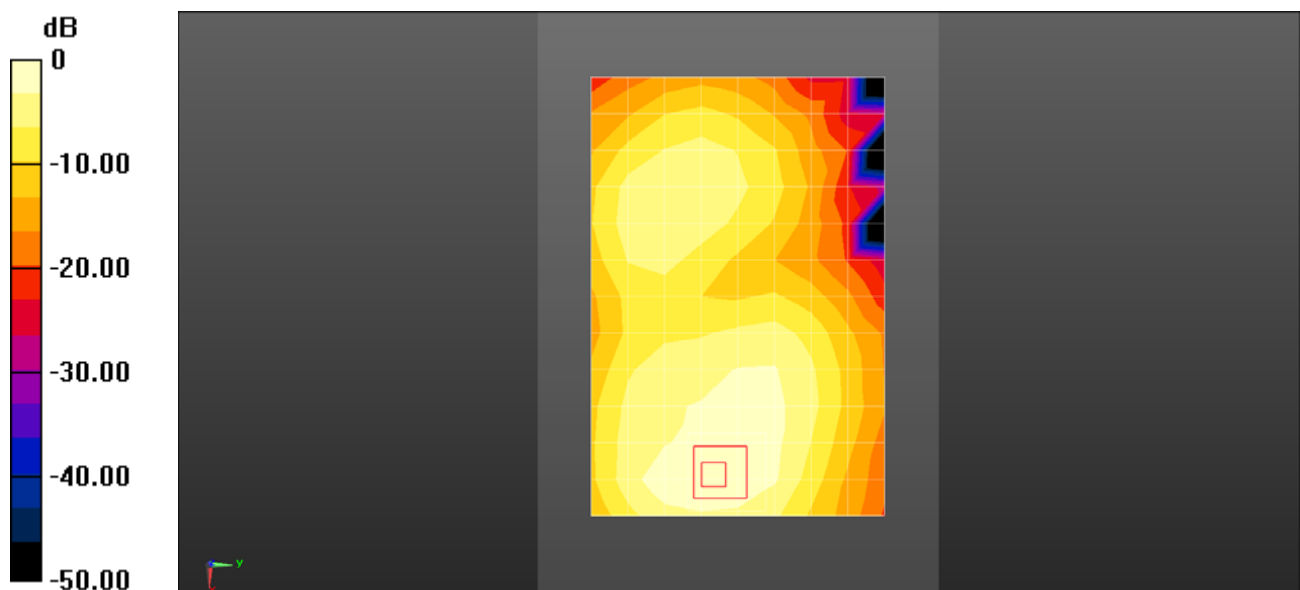
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.310 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.496 W/kg

**SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.184 W/kg**

Maximum value of SAR (measured) = 0.428 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Bottom side 10mm with SIM2

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.532$  S/m;  $\epsilon_r = 53.21$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.8, 7.8, 7.8); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (7x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.484 W/kg

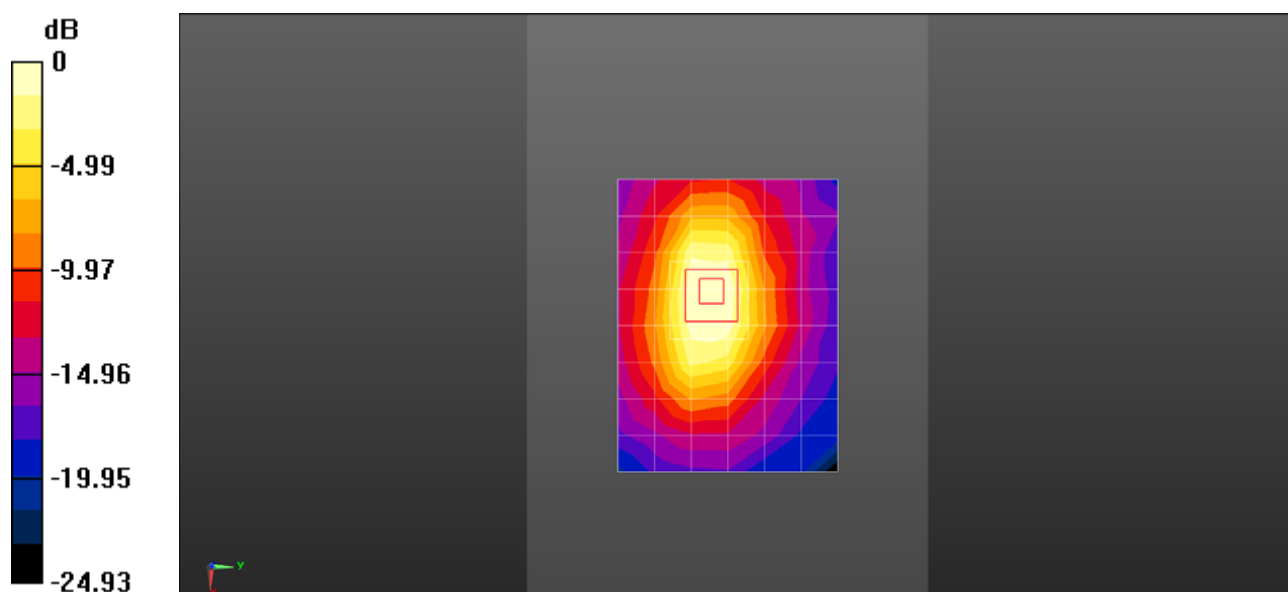
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.41 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.800 W/kg

**SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.250 W/kg**

Maximum value of SAR (measured) = 0.675 W/kg



0 dB = 0.484 W/kg = -3.15 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 LTE Band V 10M QPSK 1RB 25 offset 20600ch Left touch with SIM2

**DUT: SLA-L23; Type: Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 39.867$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.22, 9.22, 9.22); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (10x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.265 W/kg

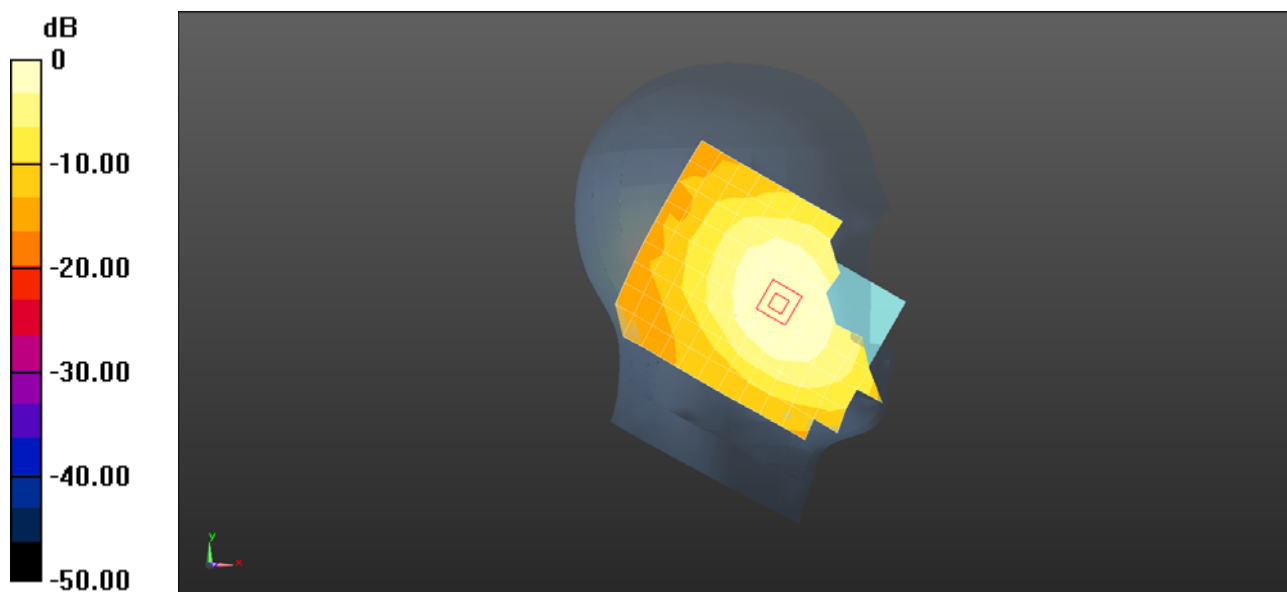
**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.862 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.269 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.190 W/kg**

Maximum value of SAR (measured) = 0.261 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**SLA-L23 LTE Band V 10M QPSK 1RB 25 offset 20600CH Back side 10mm  
-with SIM2**

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 844$  MHz;  $\sigma = 1.005$  S/m;  $\epsilon_r = 53.536$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.36, 9.36, 9.36); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.392 W/kg

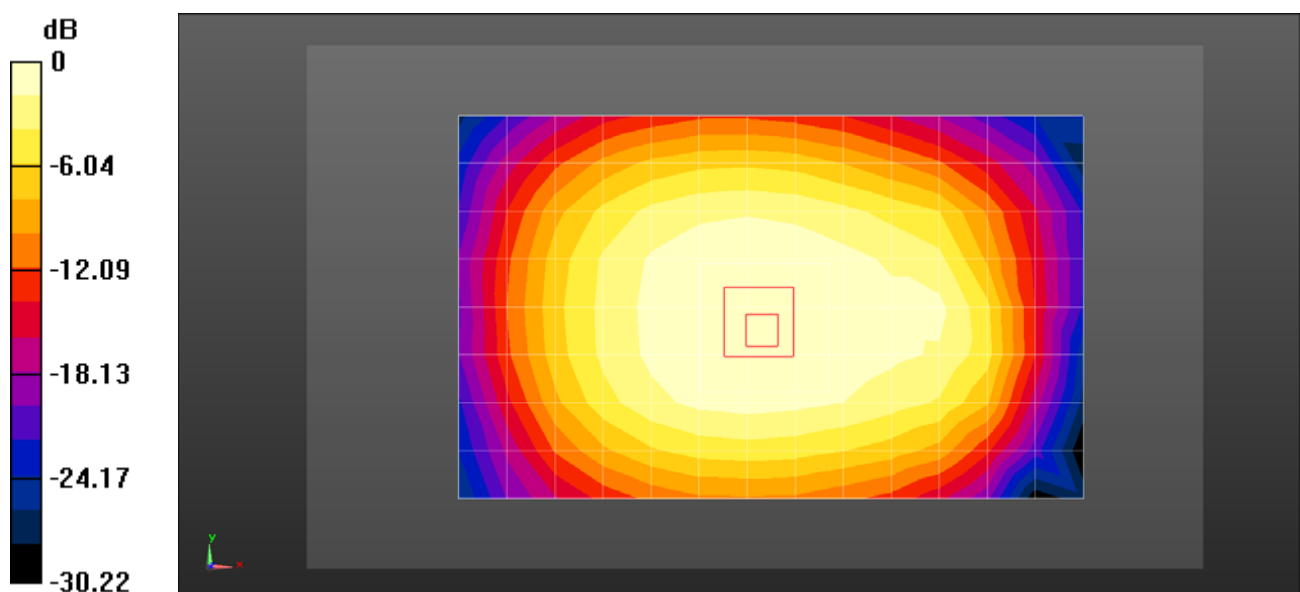
**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.48 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.450 W/kg

**SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.264 W/kg**

Maximum value of SAR (measured) = 0.416 W/kg



0 dB = 0.392 W/kg = -4.07 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**SLA-L23 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Left touch with SIM2**

**DUT: SLA-L23; Type: Smart Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.867$  S/m;  $\epsilon_r = 37.467$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.01, 7.01, 7.01); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: SAM7; Type: QD000P40CC; Serial: TP-1594
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.621 W/kg

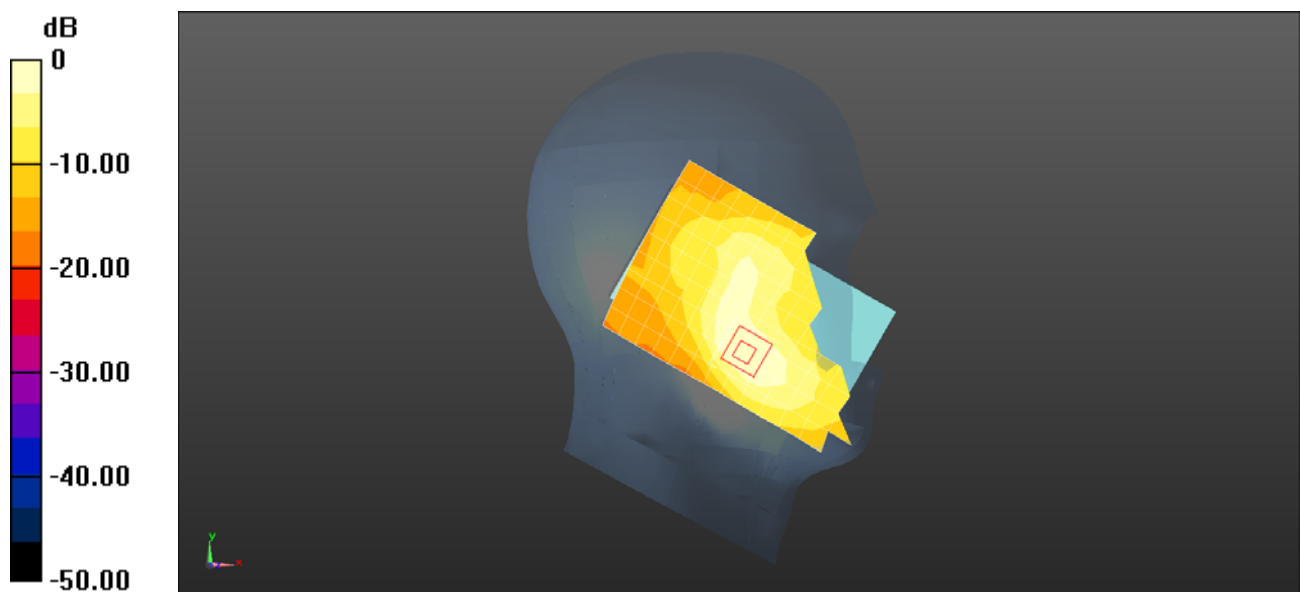
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.037 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.718 W/kg

**SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 0.644 W/kg



0 dB = 0.621 W/kg = -2.07 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### SLA-L23 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Back side 10mm with SIM2

**DUT: SLA-L23; Type: Phone; Serial: SAR4**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.023$  S/m;  $\epsilon_r = 52.031$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(6.96, 6.96, 6.96); Calibrated: 2017/4/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2017/7/18
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.12 W/kg

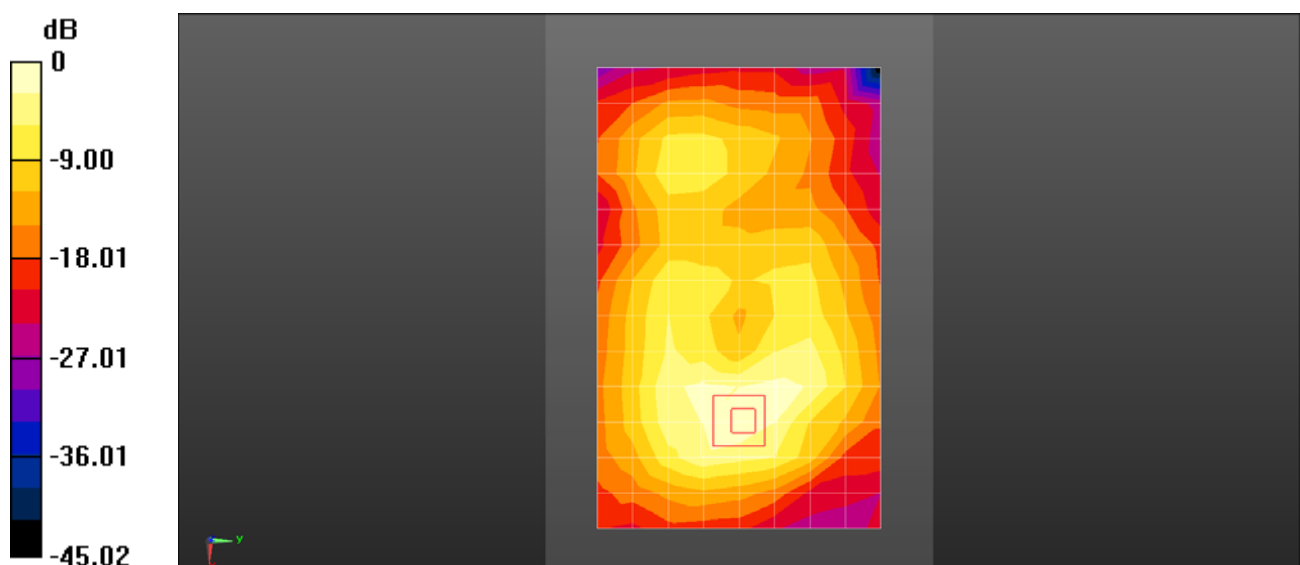
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.688 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.359 W/kg**

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg