

**Appendix B. SAR Measurement Plots**

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Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 GSM850 190CH Right Touch

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.907$  S/m;  $\epsilon_r = 42.246$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.98, 8.98, 8.98); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

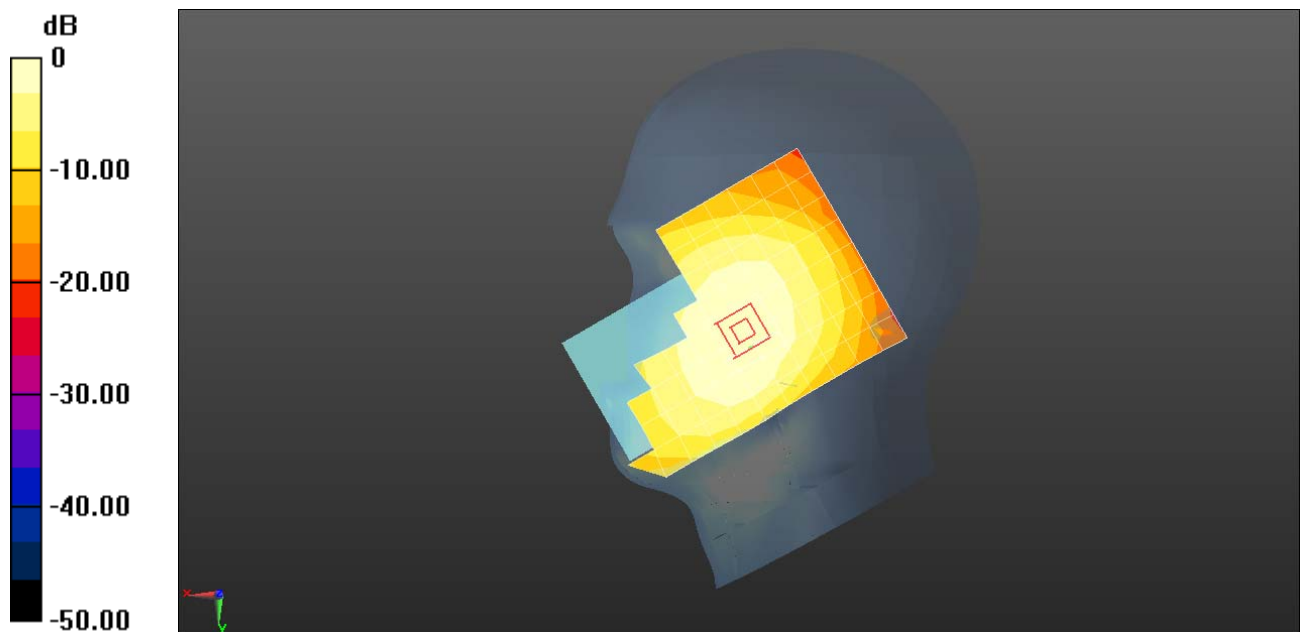
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.837 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.211 W/kg

**SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.130 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

### AUM-L33 GSM850 190CH Back Side 15mm with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.948$  S/m;  $\epsilon_r = 54.041$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.28, 9.28, 9.28); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.320 W/kg

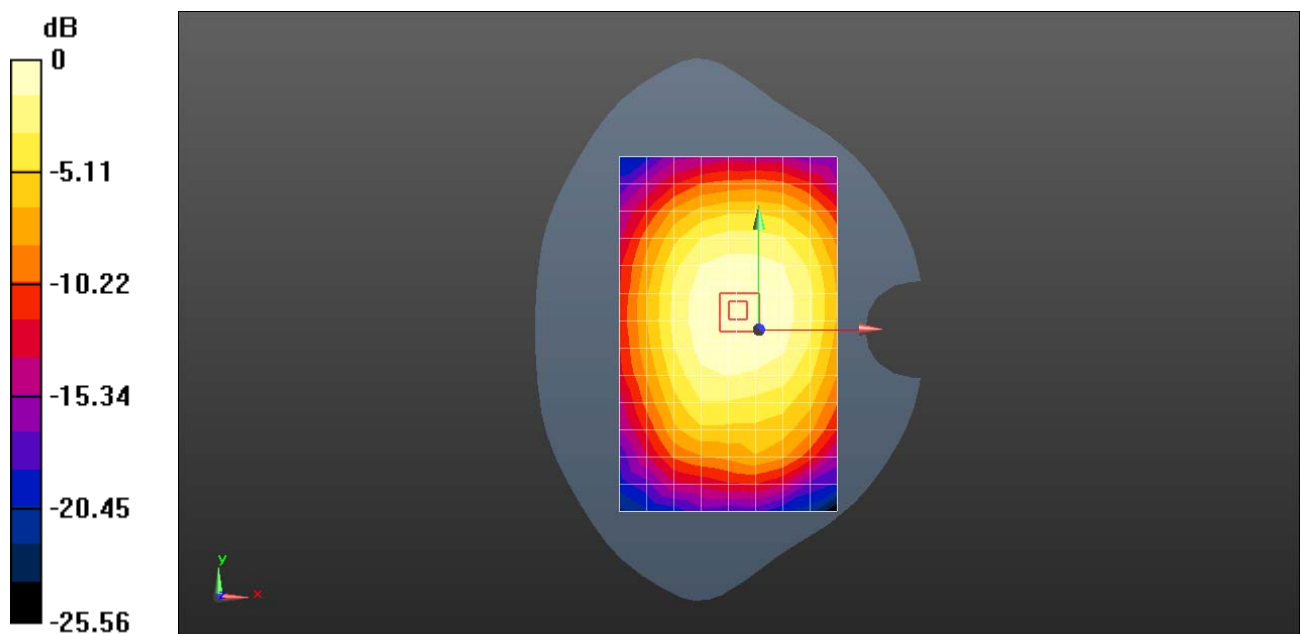
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.54 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.342 W/kg

**SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.243 W/kg**

Maximum value of SAR (measured) = 0.328 W/kg



0 dB = 0.320 W/kg = -4.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 GSM850 GPRS 2TS 190CH Back Side 10mm with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.948$  S/m;  $\epsilon_r = 54.041$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.28, 9.28, 9.28); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.292 W/kg

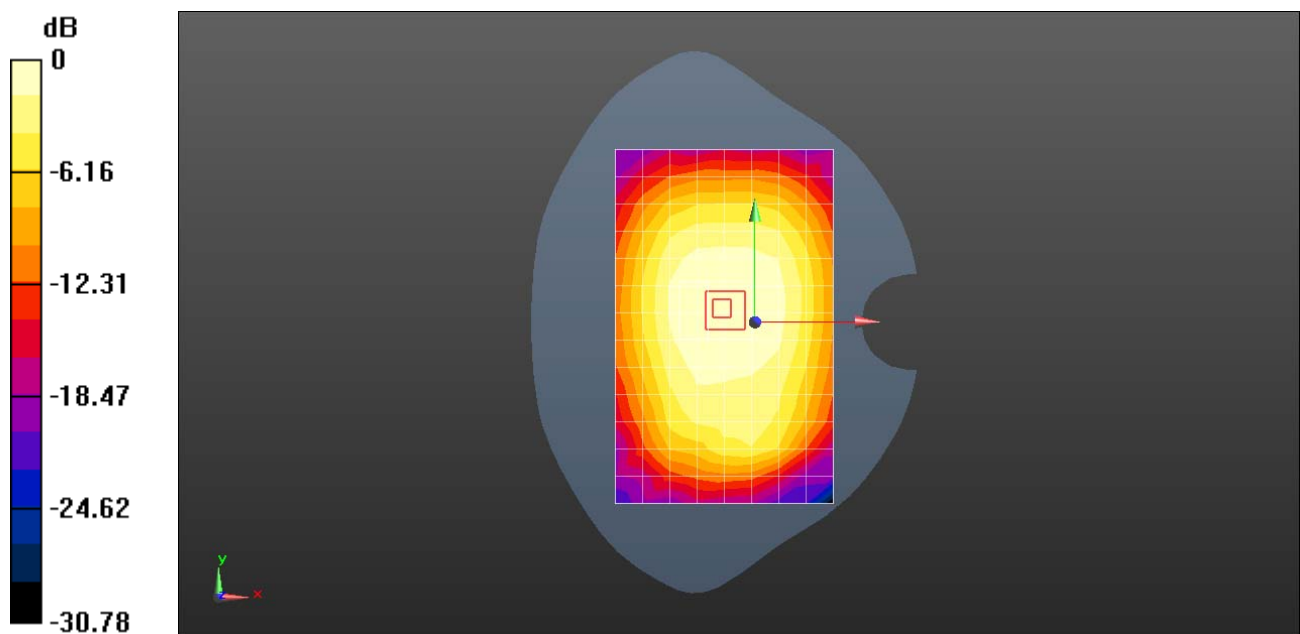
**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.43 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.306 W/kg

**SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.222 W/kg**

Maximum value of SAR (measured) = 0.293 W/kg



0 dB = 0.292 W/kg = -5.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 GSM1900 661CH Left Touch With Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 38.538$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.66, 8.66, 8.66); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.181 W/kg

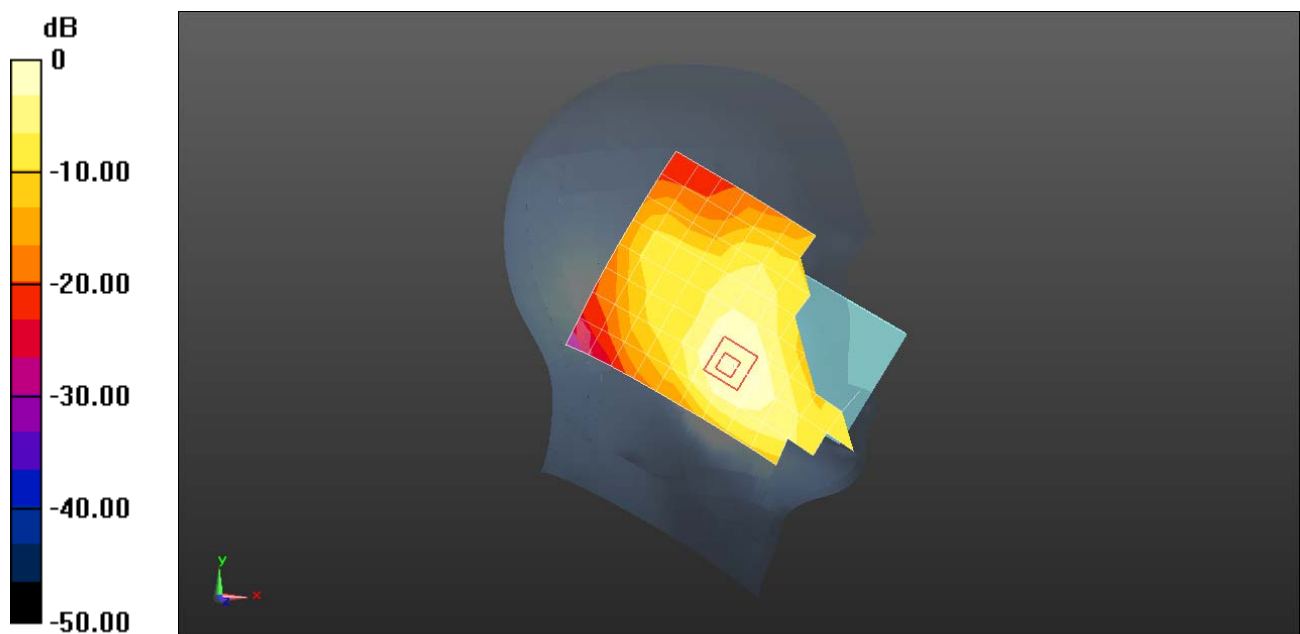
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.973 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.208 W/kg

**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.085 W/kg**

Maximum value of SAR (measured) = 0.175 W/kg



0 dB = 0.181 W/kg = -7.42 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 GSM1900 661CH Back Side 15mm with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 51.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.362 W/kg

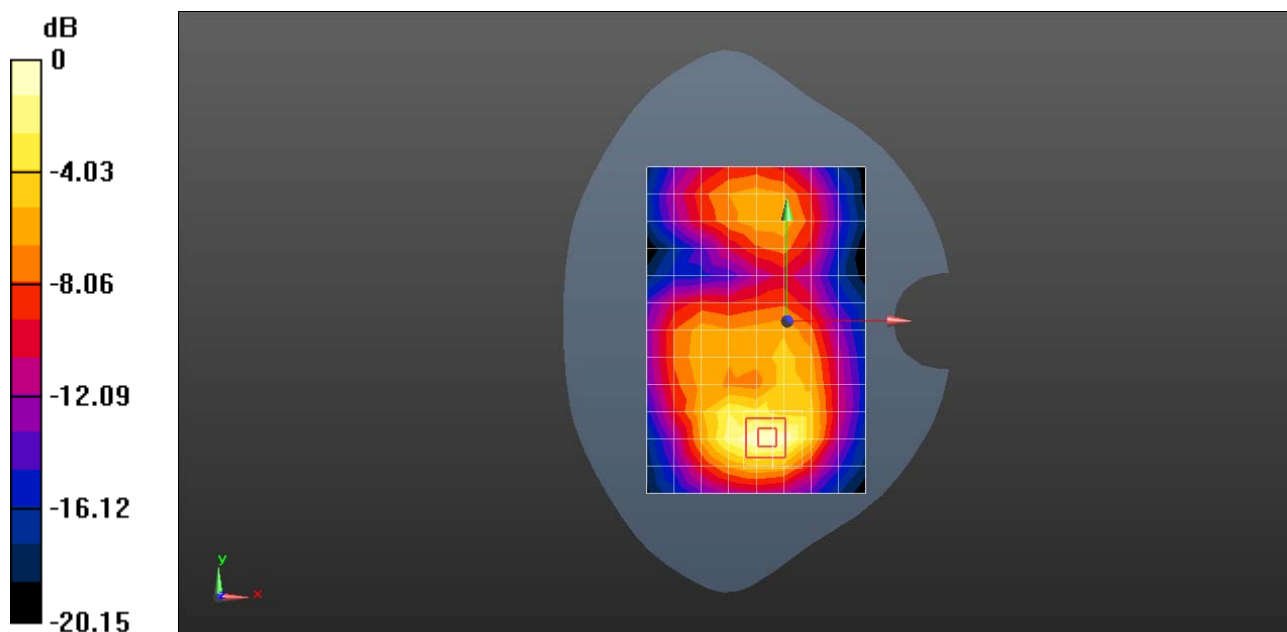
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.413 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.448 W/kg

**SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.148 W/kg**

Maximum value of SAR (measured) = 0.384 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 GSM1900 GPRS 1TS 661CH Bottom Side 10mm with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 51.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

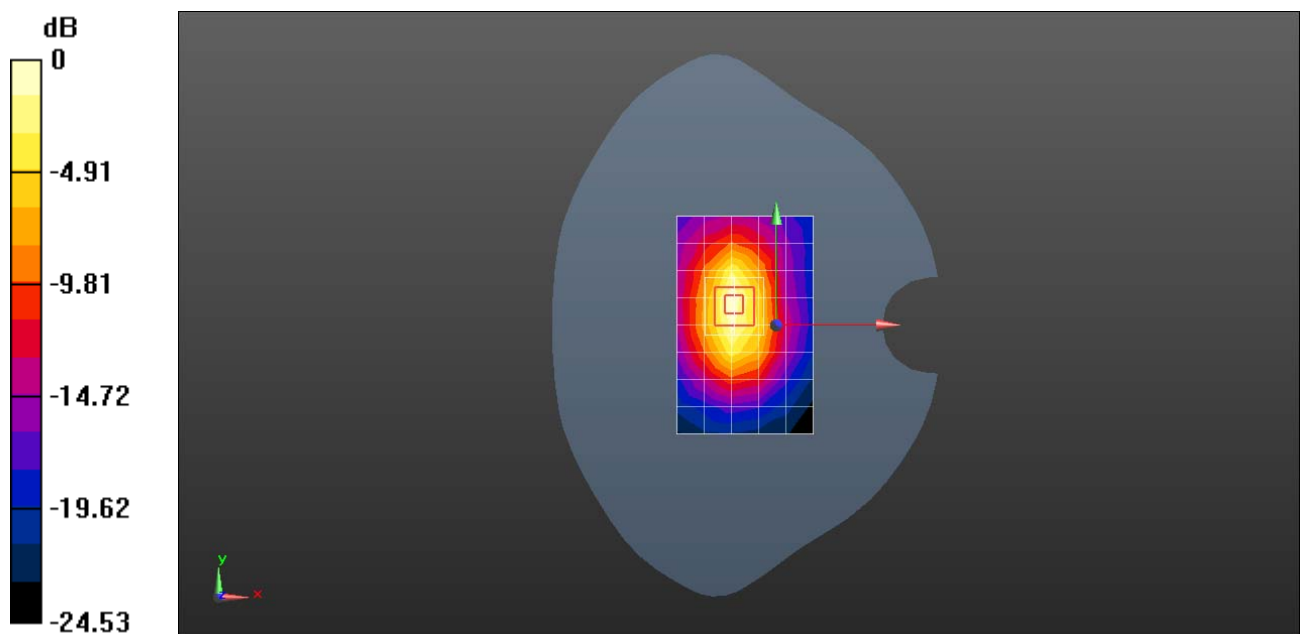
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.02 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.774 W/kg

**SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 0.681 W/kg



0 dB = 0.644 W/kg = -1.91 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 GSM1900 GPRS 1TS 661CH Bottom Side 0mm with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 51.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.16 W/kg

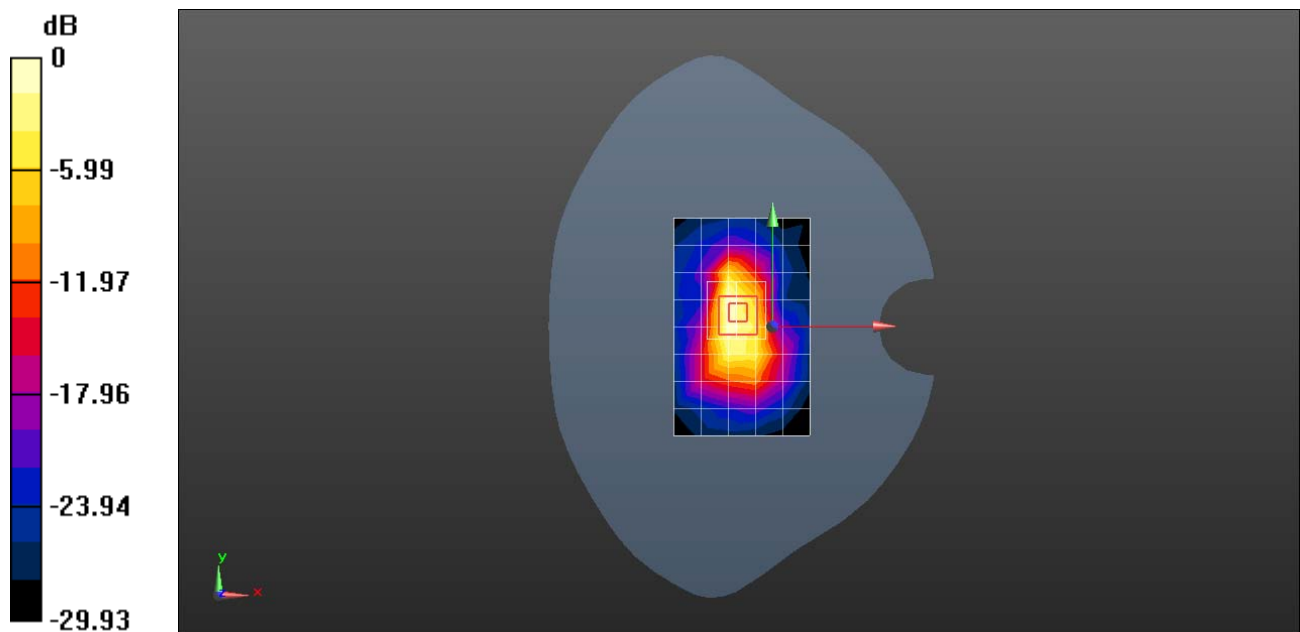
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 50.62 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 5.05 W/kg

**SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.06 W/kg**

Maximum value of SAR (measured) = 4.33 W/kg



0 dB = 2.16 W/kg = 3.34 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 UMTS Band 2 9400CH Left Touch

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 38.538$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.66, 8.66, 8.66); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.303 W/kg

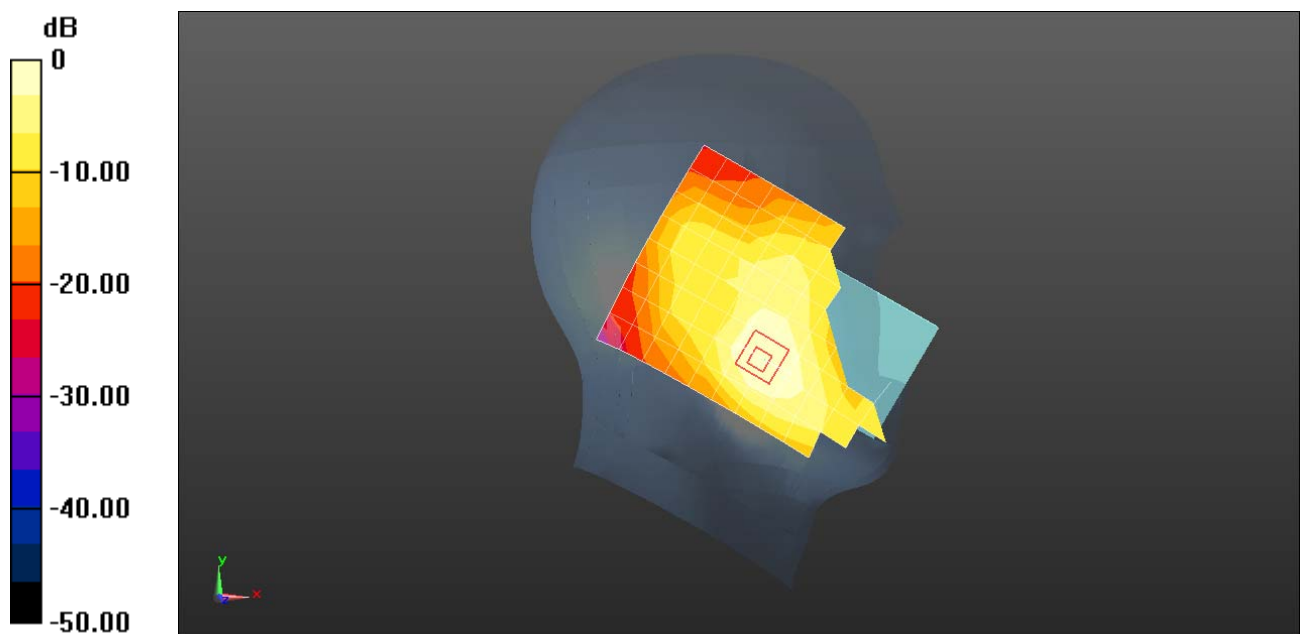
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.523 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.350 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.140 W/kg**

Maximum value of SAR (measured) = 0.292 W/kg



0 dB = 0.303 W/kg = -5.19 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 UMTS Band 2 9400CH Back Side 15mm with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 51.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.580 W/kg

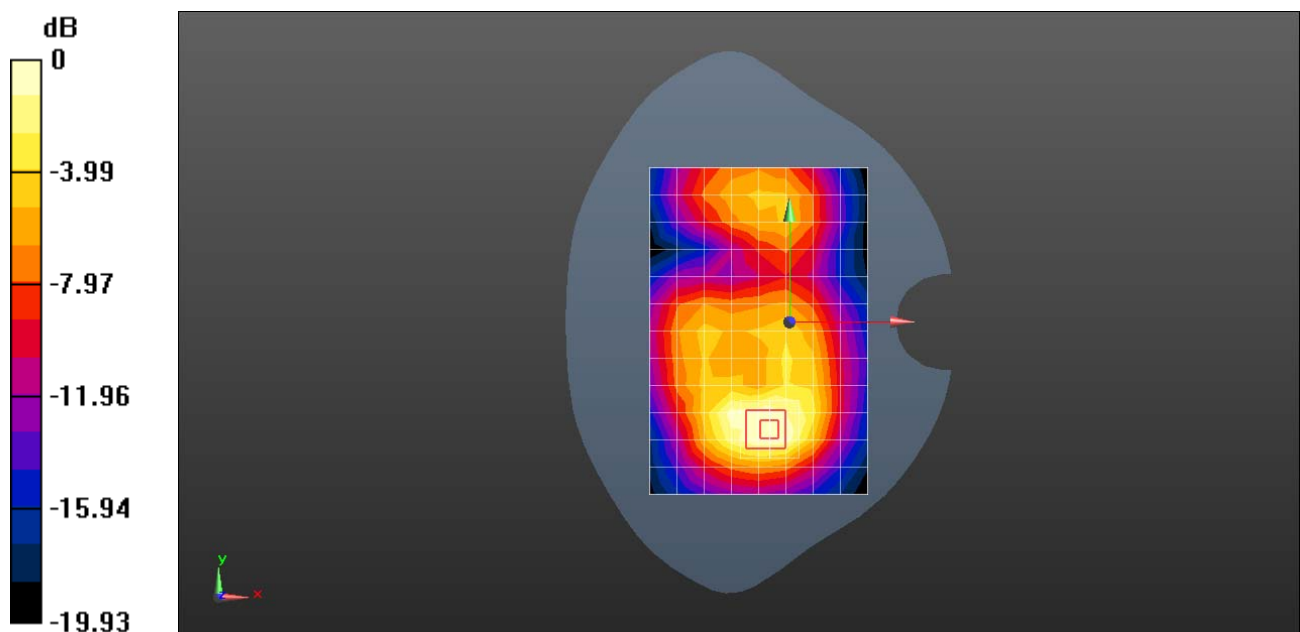
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.99 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.931 W/kg

**SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.304 W/kg**

Maximum value of SAR (measured) = 0.809 W/kg



0 dB = 0.580 W/kg = -2.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 UMTS Band 2 9400CH Bottom Side 10mm

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 51.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.831 W/kg

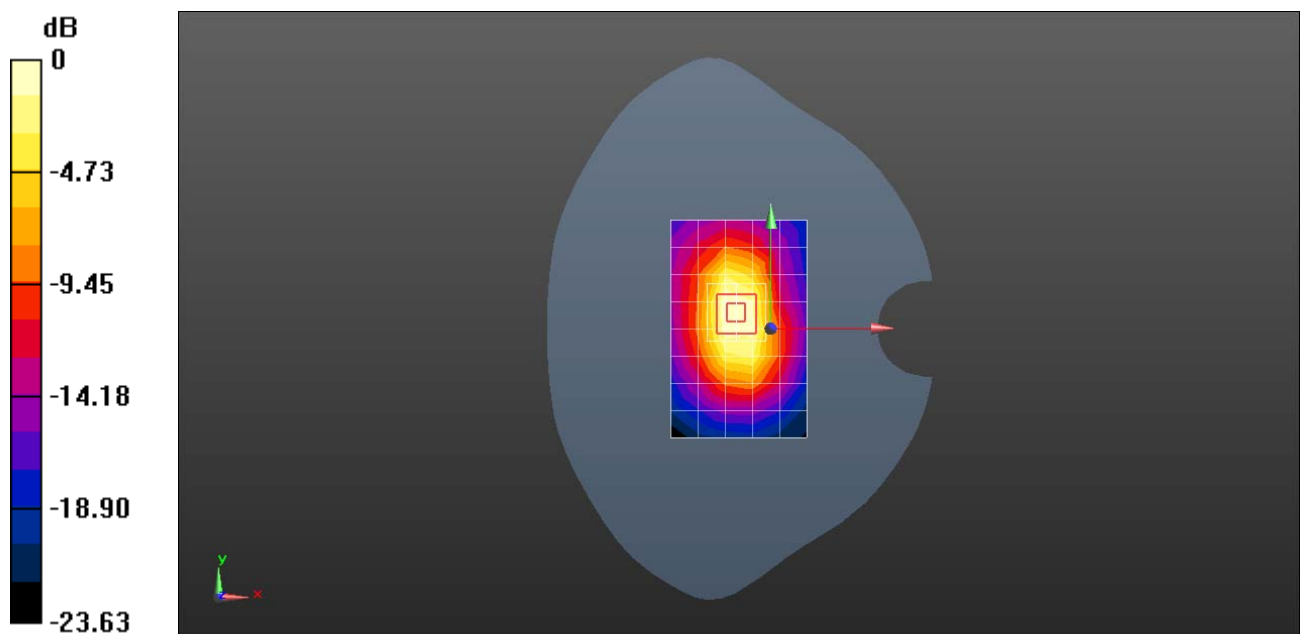
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 24.20 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.469 W/kg**

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 0.831 W/kg = -0.80 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 UMTS Band 2 9400CH Bottom Side 0mm

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 51.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 3.19 W/kg

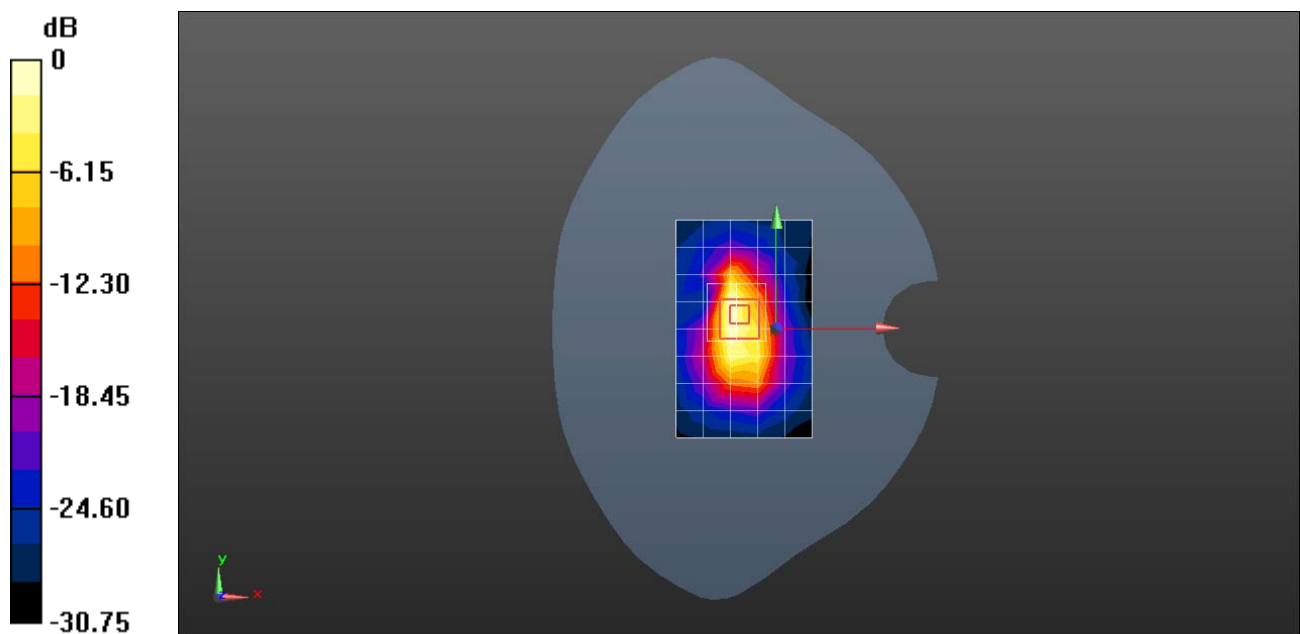
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 47.06 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 7.04 W/kg

**SAR(1 g) = 3.16 W/kg; SAR(10 g) = 1.3 W/kg**

Maximum value of SAR (measured) = 5.57 W/kg



0 dB = 3.19 W/kg = 5.04 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 UMTS Band 4 1413CH Left Touch with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.318$  S/m;  $\epsilon_r = 39.693$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.9, 8.9, 8.9); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.217 W/kg

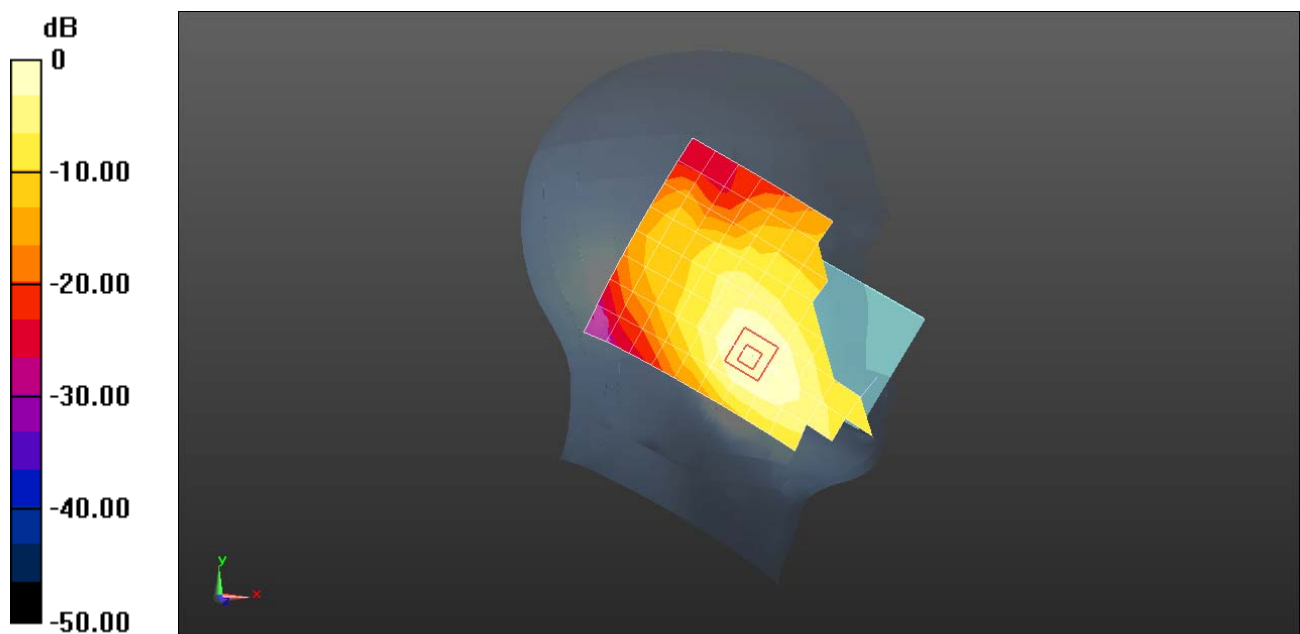
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.683 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.246 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.109 W/kg**

Maximum value of SAR (measured) = 0.215 W/kg



0 dB = 0.217 W/kg = -6.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 UMTS Band 4 1413CH Back Side 15mm with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 53.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.99, 8.99, 8.99); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.742 W/kg

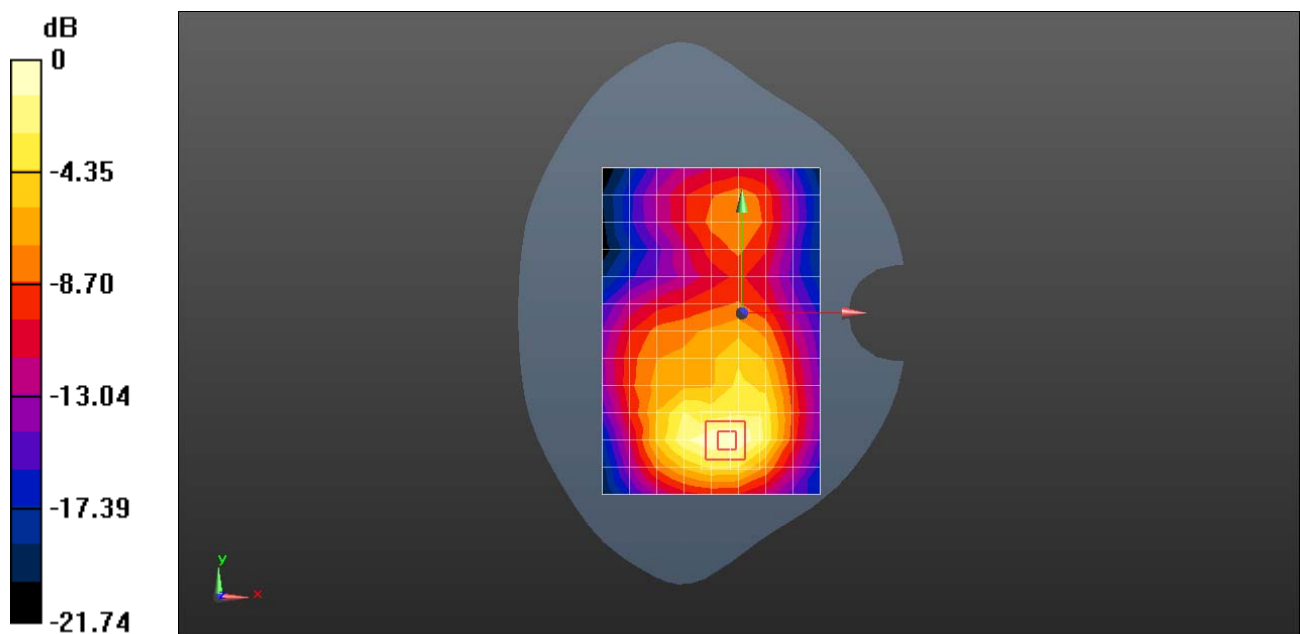
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.062 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.841 W/kg

**SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.382 W/kg**

Maximum value of SAR (measured) = 0.775 W/kg



0 dB = 0.742 W/kg = -1.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 UMTS Band 4 1413CH Bottom Side 10mm

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 53.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.99, 8.99, 8.99); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.611 W/kg

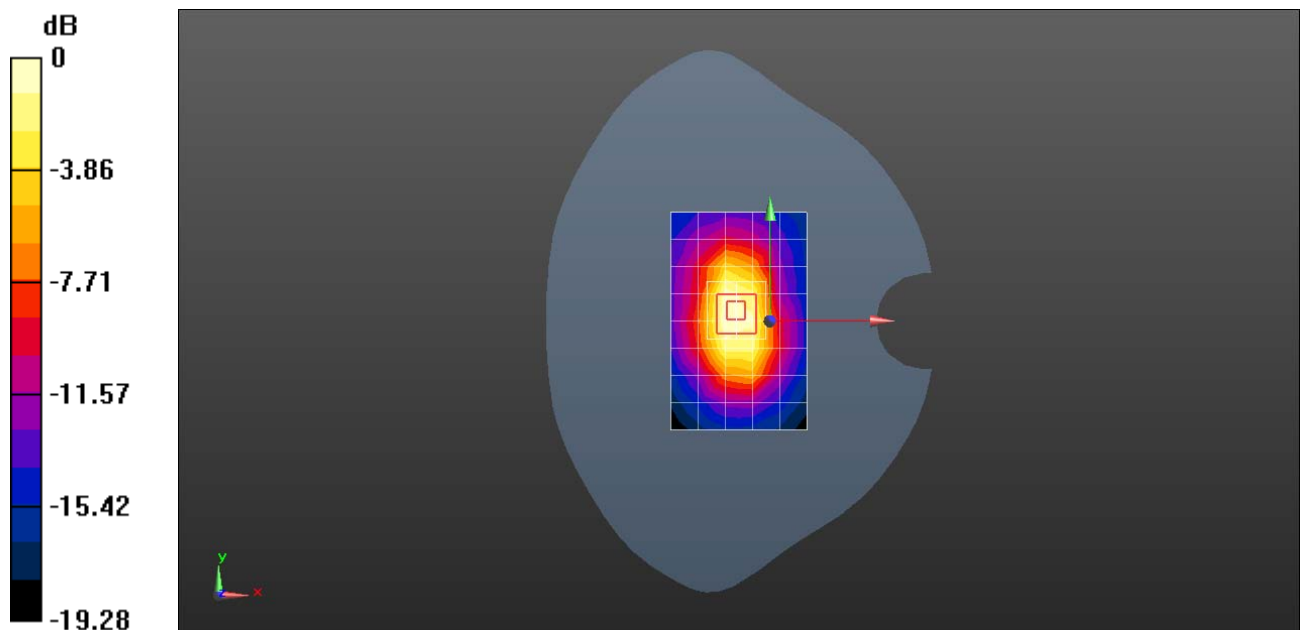
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 24.56 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.325 W/kg**

Maximum value of SAR (measured) = 0.911 W/kg



0 dB = 0.611 W/kg = -2.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 UMTS Band 4 1413CH Bottom Side 0mm with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 53.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.99, 8.99, 8.99); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 5.40 W/kg

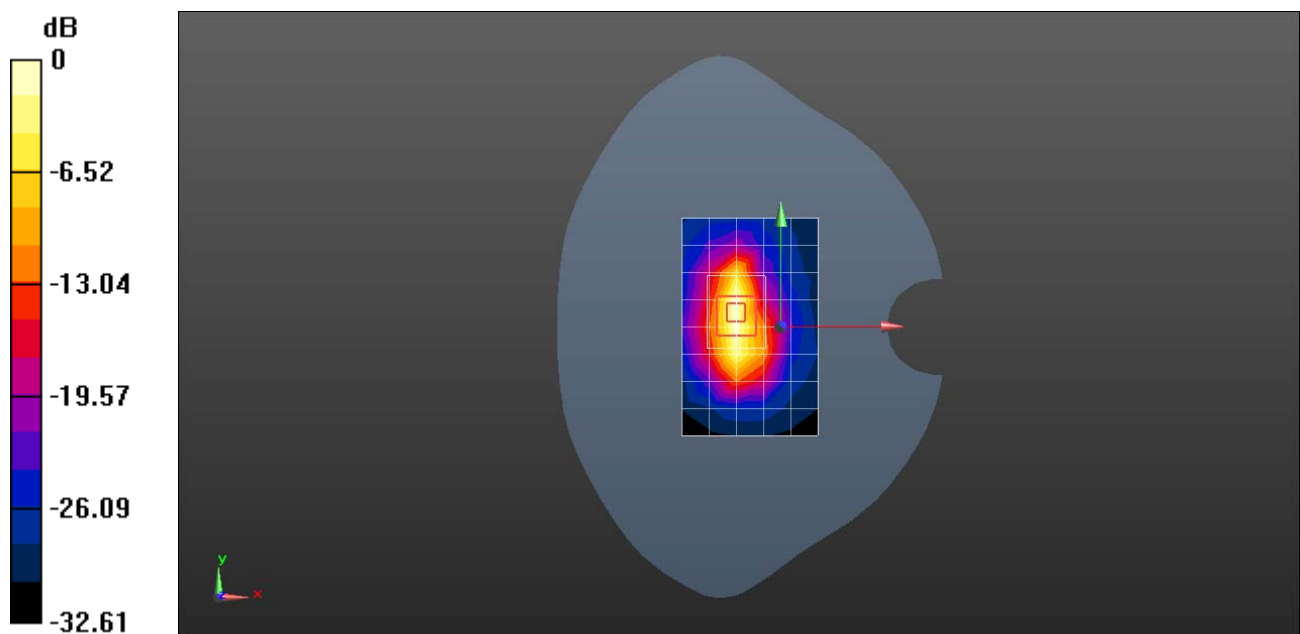
**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 38.56 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 6.86 W/kg

**SAR(1 g) = 3.03 W/kg; SAR(10 g) = 1.32 W/kg**

Maximum value of SAR (measured) = 5.65 W/kg



0 dB = 5.40 W/kg = 7.32 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 UMTS Band 5 4182CH Left Touch with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.907$  S/m;  $\epsilon_r = 42.245$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.98, 8.98, 8.98); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.275 W/kg

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

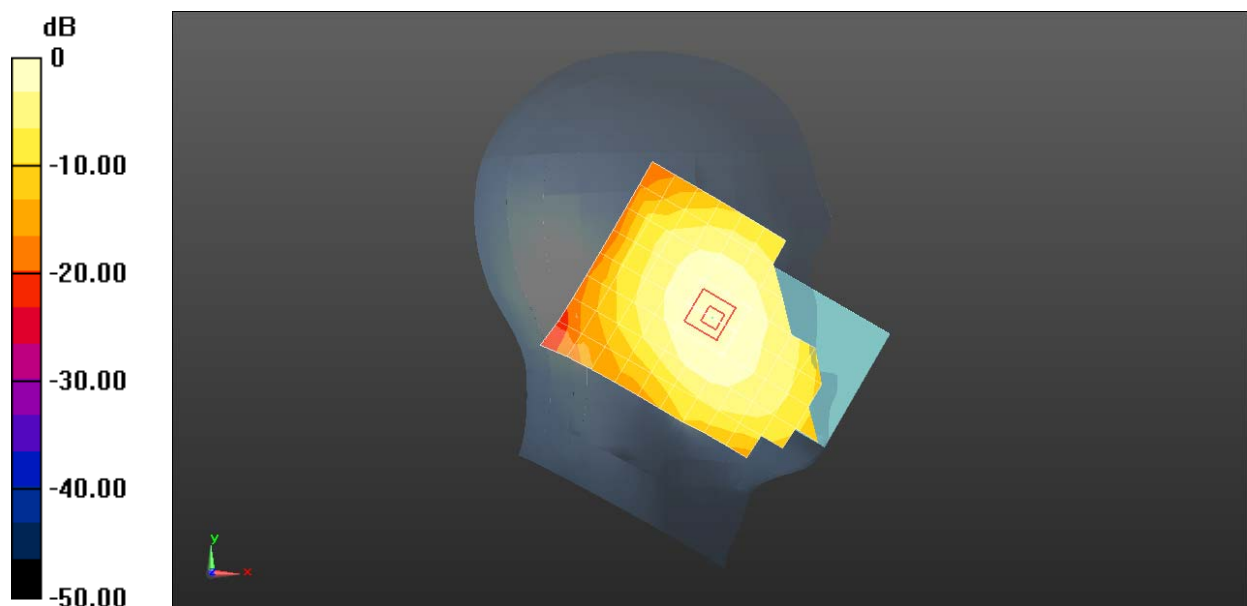
Reference Value = 6.604 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.294 W/kg

**SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.170 W/kg**

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

Maximum value of SAR (measured) = 0.273 W/kg



0 dB = 0.275 W/kg = -5.61 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 UMTS Band 5 4182CH Back Side 15mm

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 54.047$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.28, 9.28, 9.28); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.387 W/kg

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

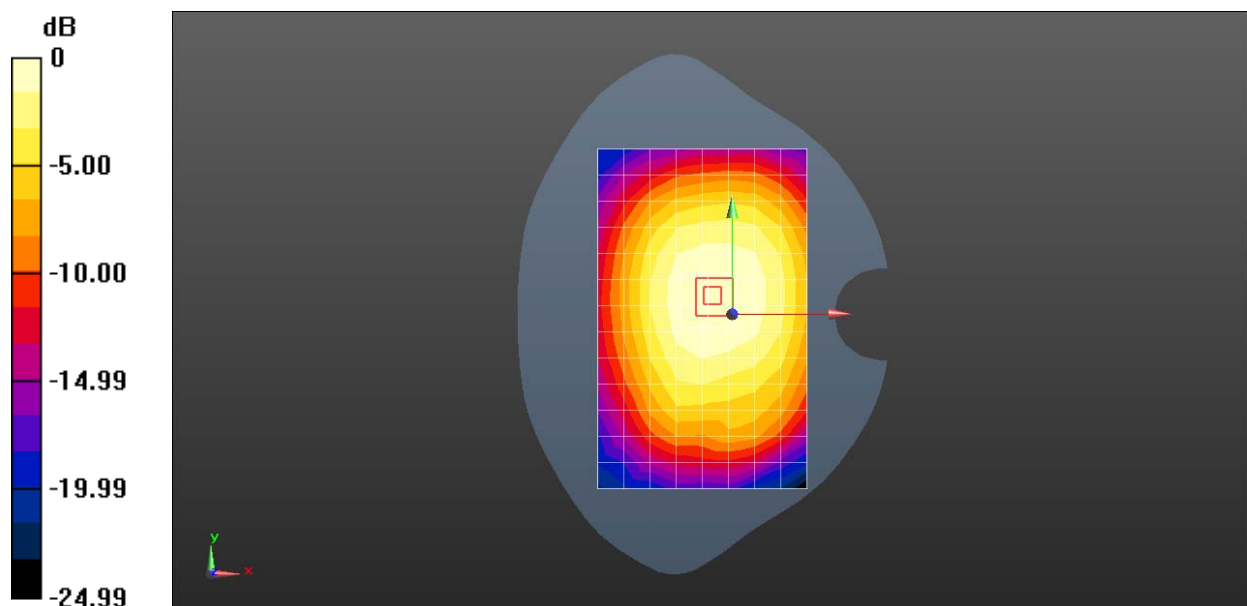
Reference Value = 21.45 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.407 W/kg

**SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.292 W/kg**

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

Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.387 W/kg = -4.12 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 UMTS Band 5 4182CH Back Side 10mm

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 54.047$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.28, 9.28, 9.28); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.403 W/kg

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

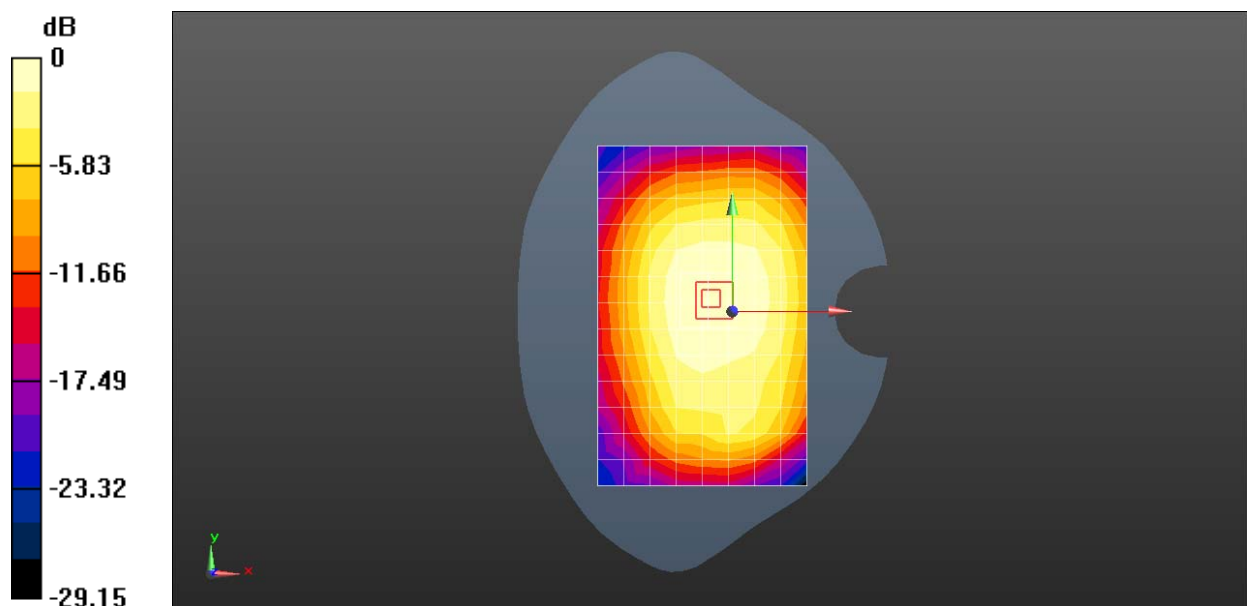
Reference Value = 22.05 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.422 W/kg

**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.310 W/kg**

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

Maximum value of SAR (measured) = 0.407 W/kg



0 dB = 0.403 W/kg = -3.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 LTE Band 2 20M QPSK 1RB 50 Offset 18900CH Left Touch with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 38.538$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.66, 8.66, 8.66); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.274 W/kg

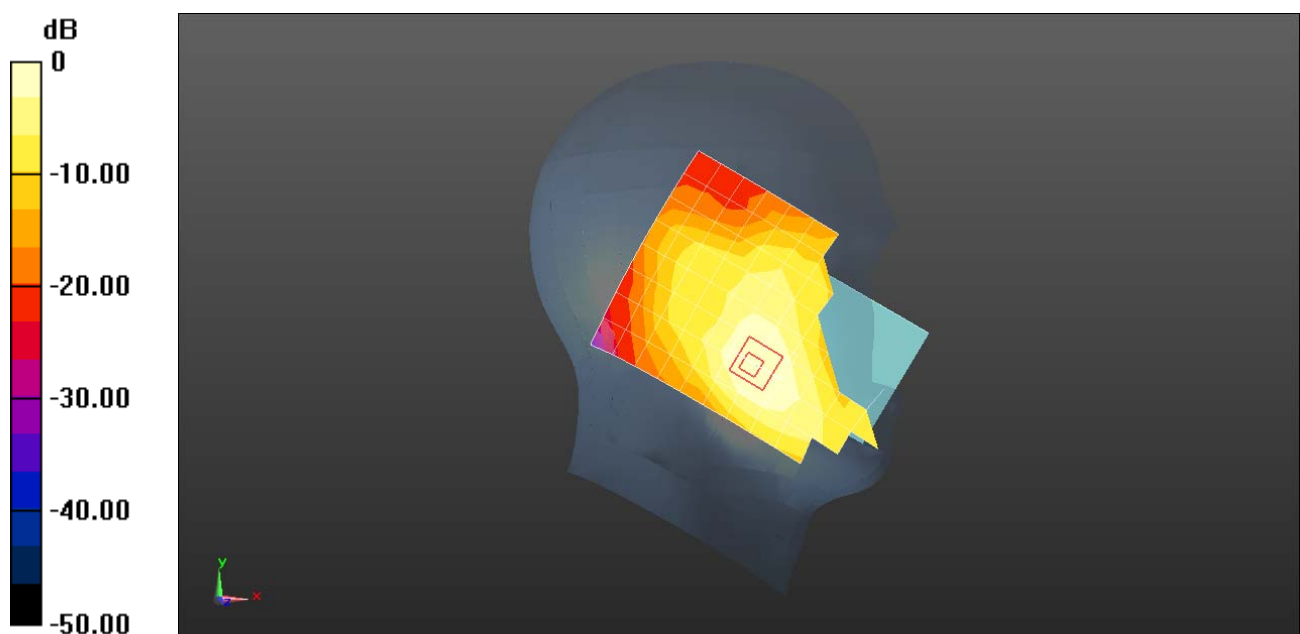
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.676 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.335 W/kg

**SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.137 W/kg**

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.274 W/kg = -5.62 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 LTE Band 2 20M QPSK 1RB 50 Offset 18900CH Back Side 15mm with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 51.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.600 W/kg

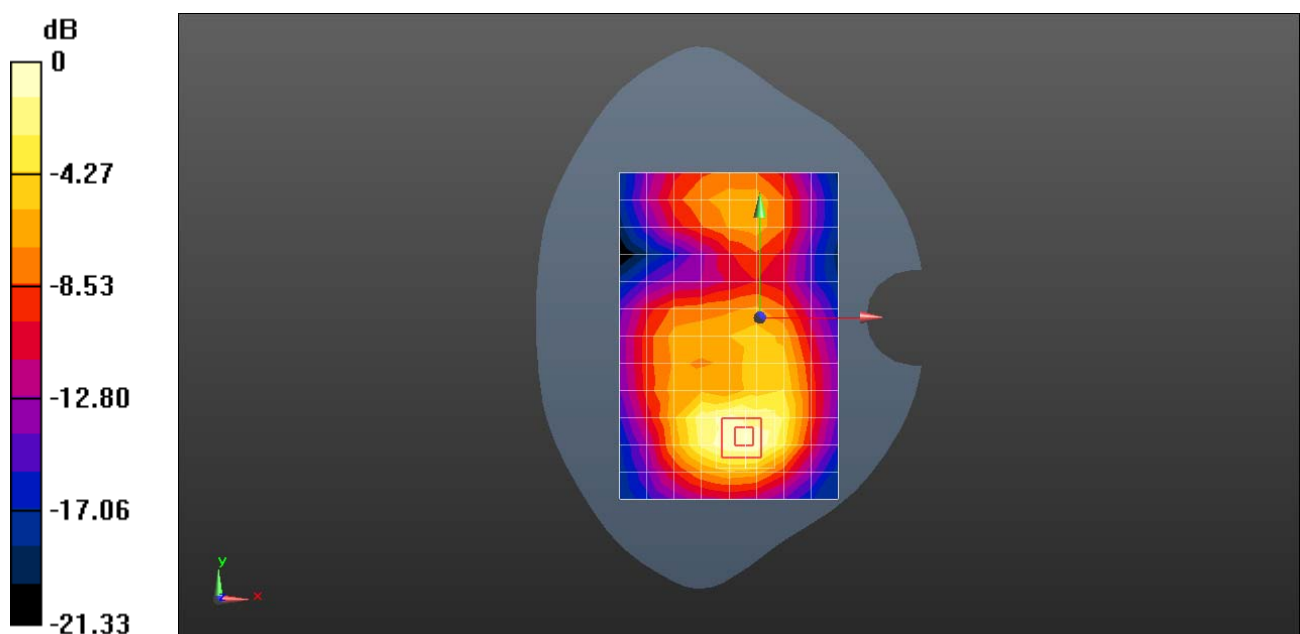
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.878 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.891 W/kg

**SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.294 W/kg**

Maximum value of SAR (measured) = 0.745 W/kg



0 dB = 0.600 W/kg = -2.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 LTE Band 2 20M QPSK 1RB 50 Offset 18900CH Back Side 10mm

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 51.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.664 W/kg

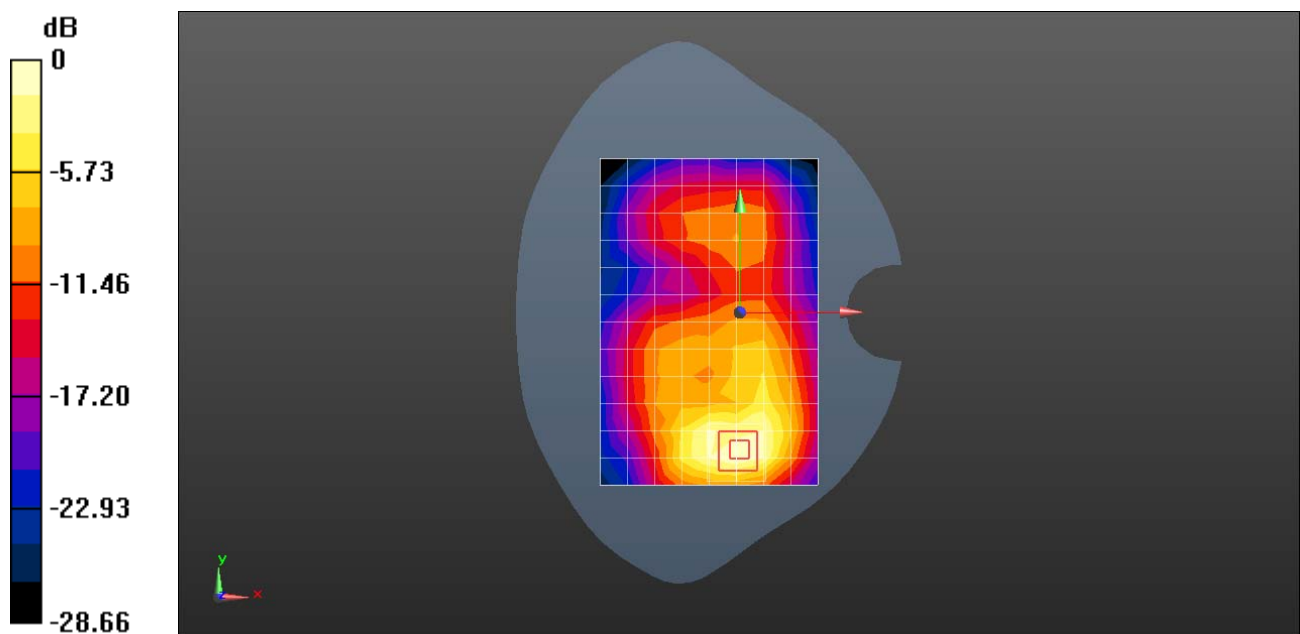
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.202 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.982 W/kg

**SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.348 W/kg**

Maximum value of SAR (measured) = 0.809 W/kg



0 dB = 0.664 W/kg = -1.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**AUM-L33 LTE Band 2 20M QPSK 50%RB 25 Offset 18700CH Bottom Side 0mm**

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.488$  S/m;  $\epsilon_r = 51.762$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.61, 8.61, 8.61); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 5.92 W/kg

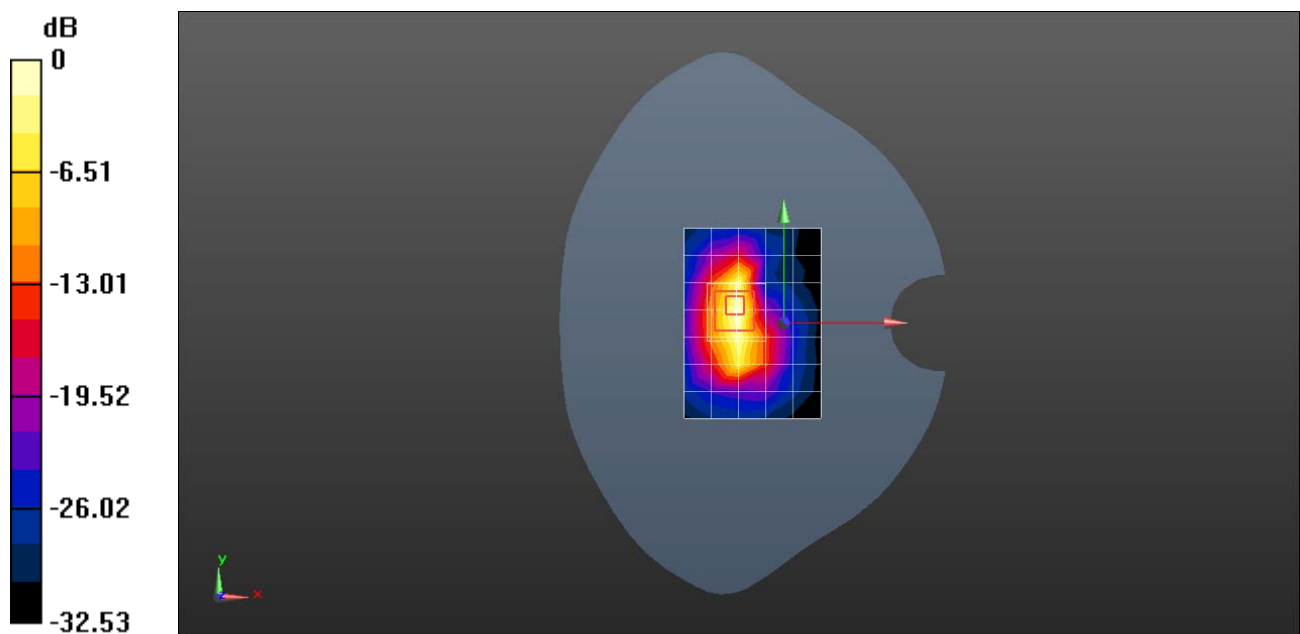
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 28.72 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 9.73 W/kg

**SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.5 W/kg**

Maximum value of SAR (measured) = 7.00 W/kg



0 dB = 5.92 W/kg = 7.72 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 LTE Band 4 20M QPSK 1RB 50 Offset 20175CH Left Touch

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.317$  S/m;  $\epsilon_r = 39.695$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.9, 8.9, 8.9); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.213 W/kg

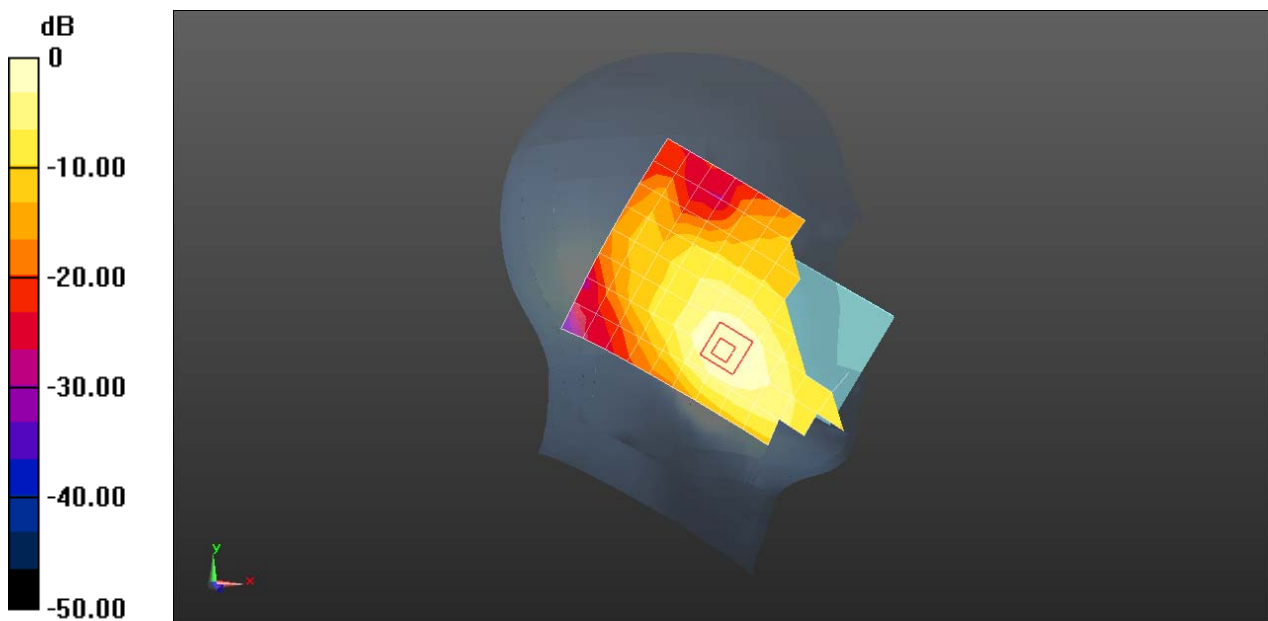
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.368 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.241 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.101 W/kg**

Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.213 W/kg = -6.72 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 LTE Band 4 20M QPSK 1RB 50 Offset 20175CH Back Side 15mm with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 53.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.99, 8.99, 8.99); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.429 W/kg

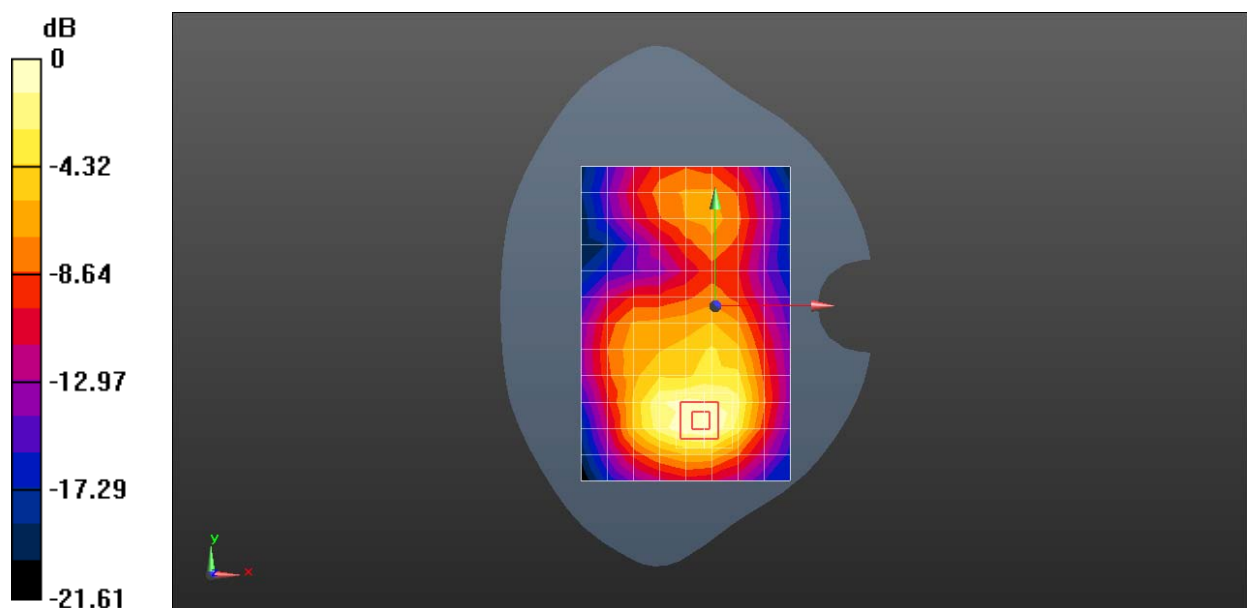
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.245 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.624 W/kg

**SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.223 W/kg**

Maximum value of SAR (measured) = 0.550 W/kg



0 dB = 0.429 W/kg = -3.68 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**AUM-L33 LTE Band 4 20M QPSK 50%RB 0 Offset 20300CH Bottom Side 10mm**

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.507$  S/m;  $\epsilon_r = 53.381$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.99, 8.99, 8.99); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.652 W/kg

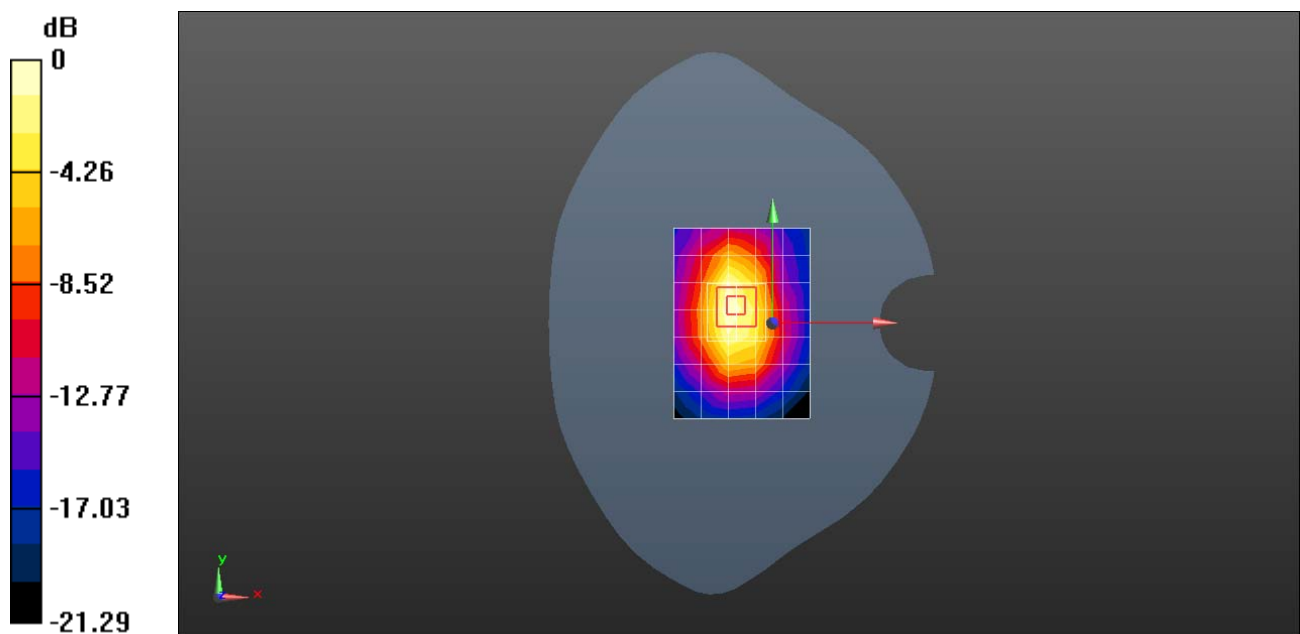
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.71 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.285 W/kg**

Maximum value of SAR (measured) = 0.807 W/kg



0 dB = 0.652 W/kg = -1.86 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 LTE Band 5 10M QPSK 1RB 25 Offset 20600CH Left Touch with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

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;  $\epsilon_r = 42.209$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.98, 8.98, 8.98); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.252 W/kg

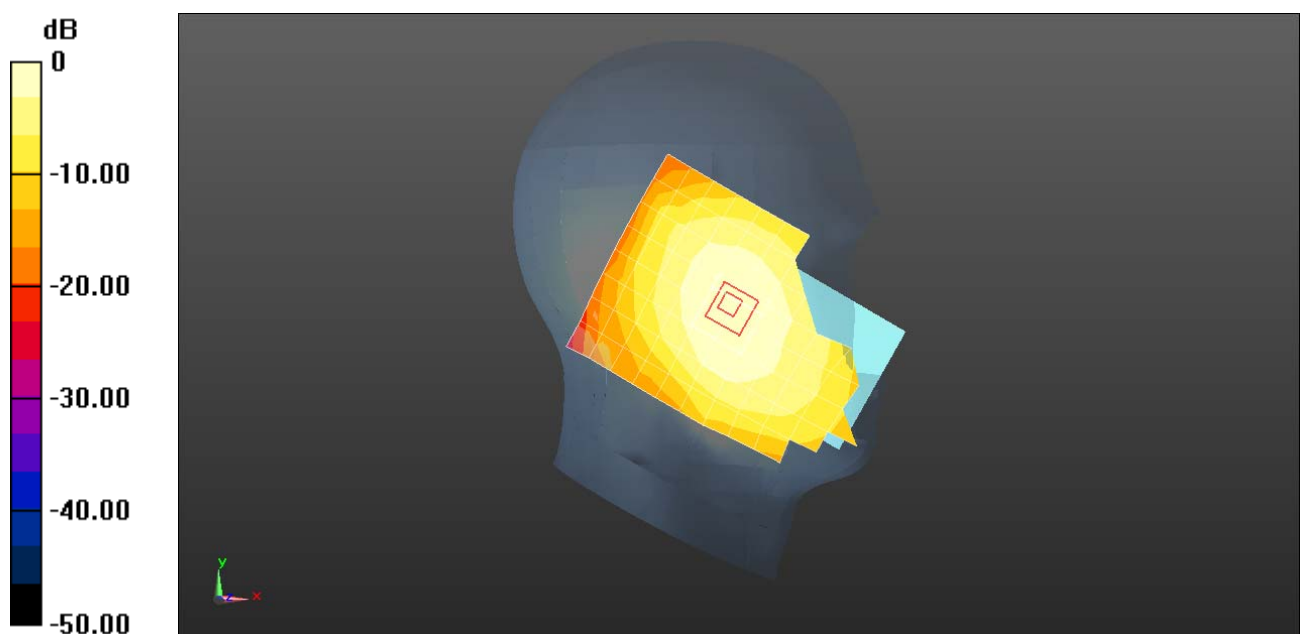
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.306 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.250 W/kg

**SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg

Test Laboratory: HUAWEI SAR/HAC

## AUM-L33 LTE Band 5 10M QPSK 1RB 25 offset 20600CH Back Side 15mm with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 0.953$  S/m;  $\epsilon_r = 54.001$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.28, 9.28, 9.28); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

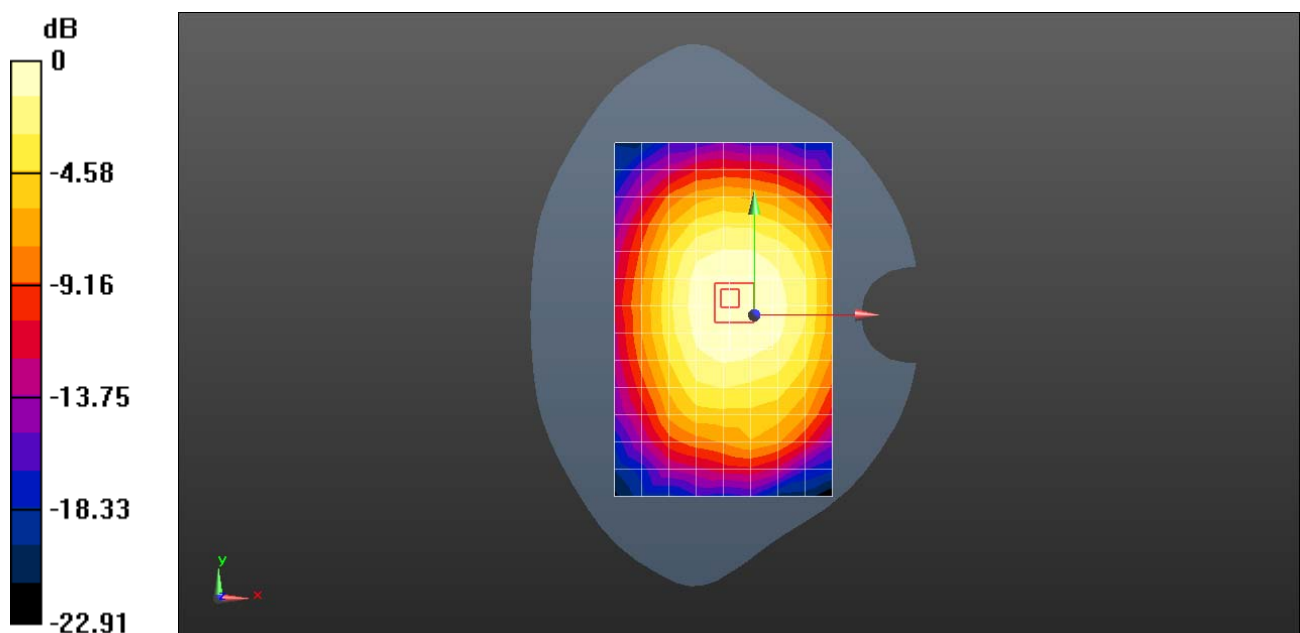
Maximum value of SAR (measured) = 0.383 W/kg

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

Reference Value = 21.26 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.282 W/kg**



0 dB = 0.383 W/kg = -4.17 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 LTE Band 5 10M QPSK 50%RB 13 offset 20525CH Back Side 10mm with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 54.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.28, 9.28, 9.28); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.312 W/kg

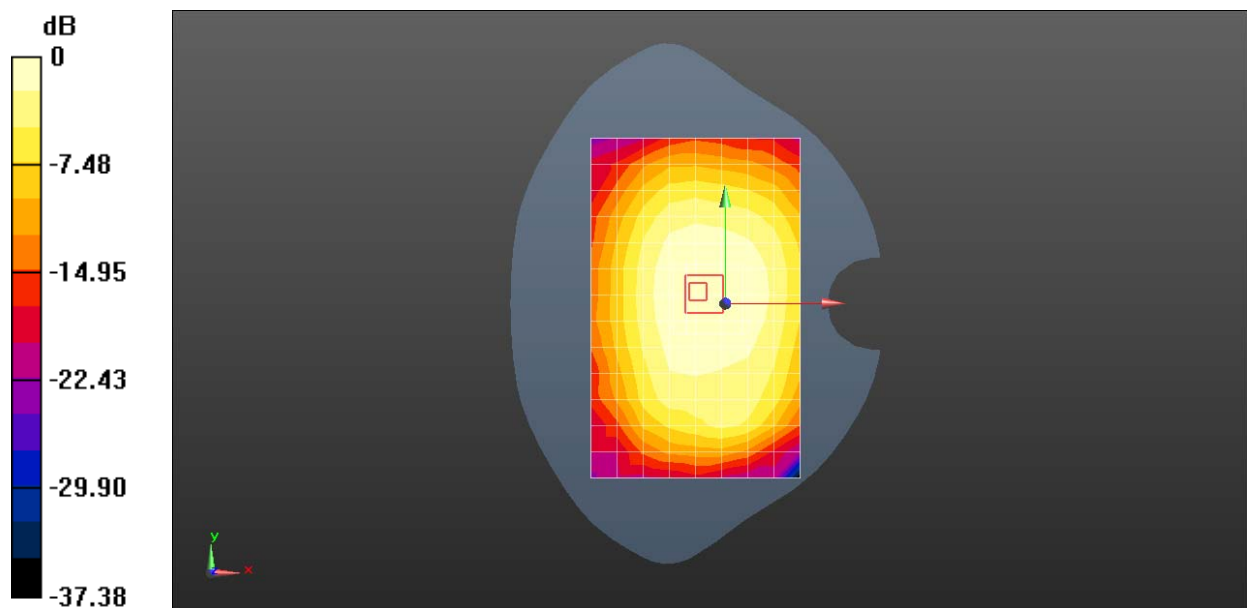
**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.38 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.324 W/kg

**SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.236 W/kg**

Maximum value of SAR (measured) = 0.309 W/kg



0 dB = 0.312 W/kg = -5.06 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 LTE Band 7 20M QPSK 1RB 50 Offset 21100CH Left Touch

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.872$  S/m;  $\epsilon_r = 37.996$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.07, 7.07, 7.07); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (11x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.110 W/kg

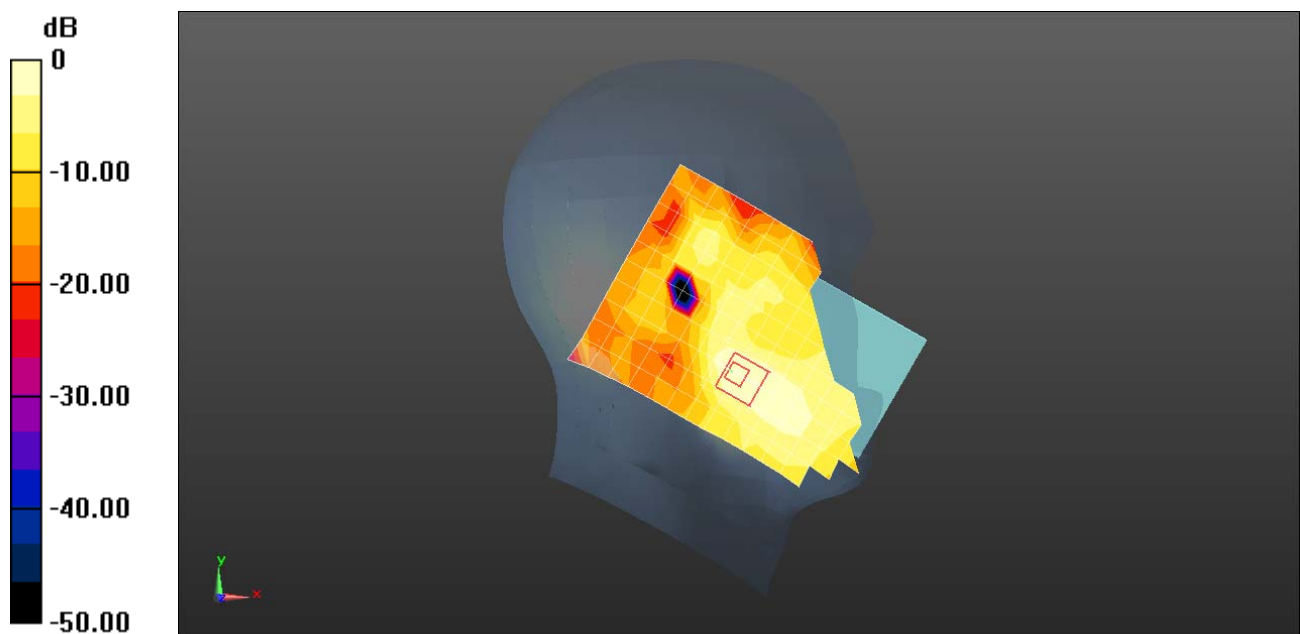
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.950 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.136 W/kg

**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.040 W/kg**

Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.110 W/kg = -9.59 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 LTE Band 7 20M QPSK 1RB 50 Offset 21100CH Front Side 15mm with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.029$  S/m;  $\epsilon_r = 54.005$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.12, 7.12, 7.12); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (11x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.395 W/kg

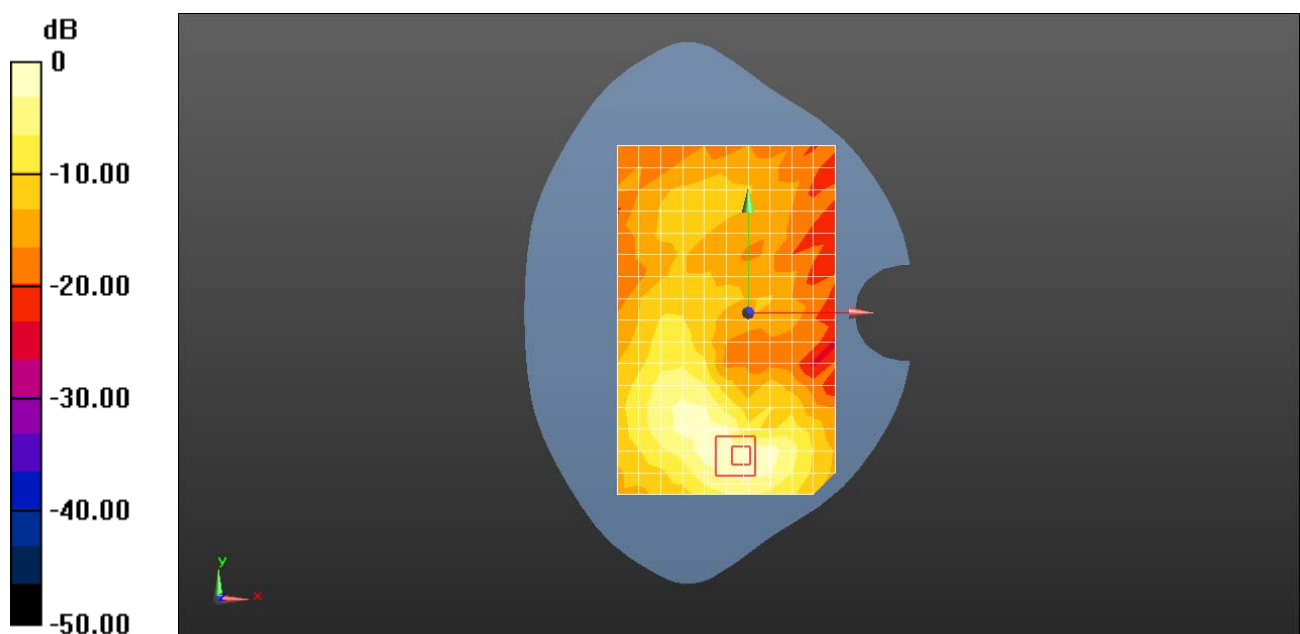
**Configuration/Body/Zoom Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.123 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.469 W/kg

**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.152 W/kg**

Maximum value of SAR (measured) = 0.397 W/kg



0 dB = 0.395 W/kg = -4.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 LTE Band 7 20M QPSK 50%RB 25 Offset 21100CH Bottom Side 10mm with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.029$  S/m;  $\epsilon_r = 54.005$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.12, 7.12, 7.12); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.857 W/kg

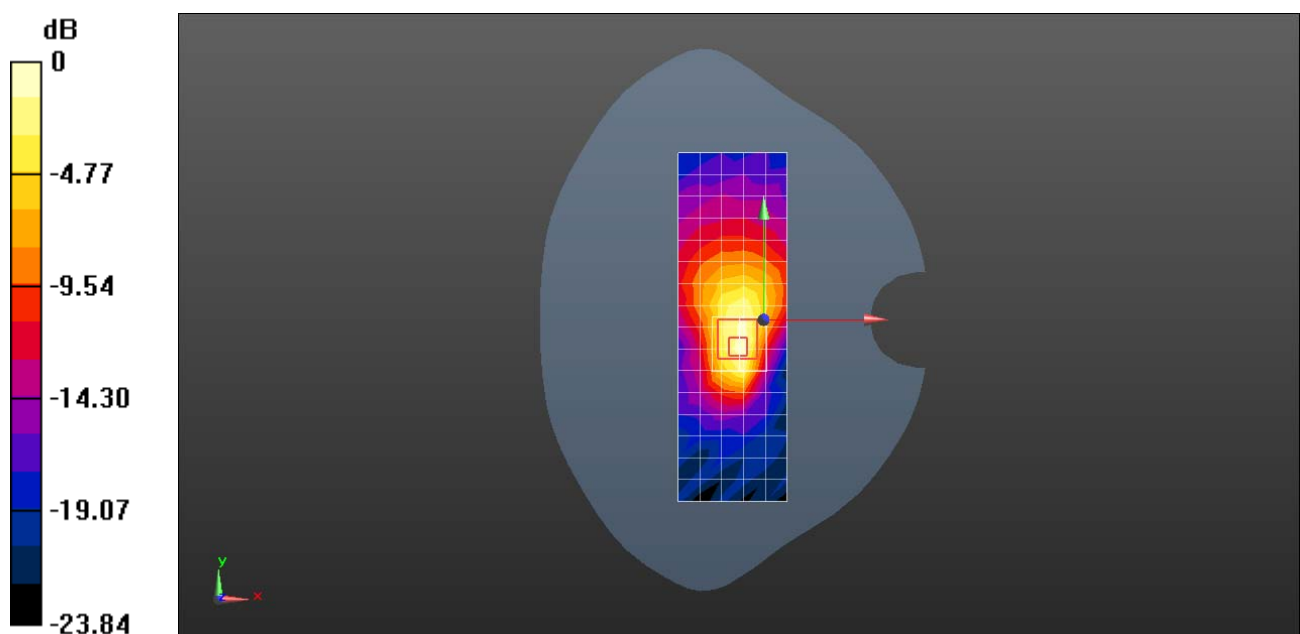
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.02 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.290 W/kg**

Maximum value of SAR (measured) = 0.941 W/kg



0 dB = 0.857 W/kg = -0.67 dBW/kg



Test Laboratory: HUAWEI SAR/HAC

## AUM-L33 WiFi 2.4G 11b 6CH Left Tilt

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.809$  S/m;  $\epsilon_r = 38.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.3, 7.3, 7.3); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (11x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.398 W/kg

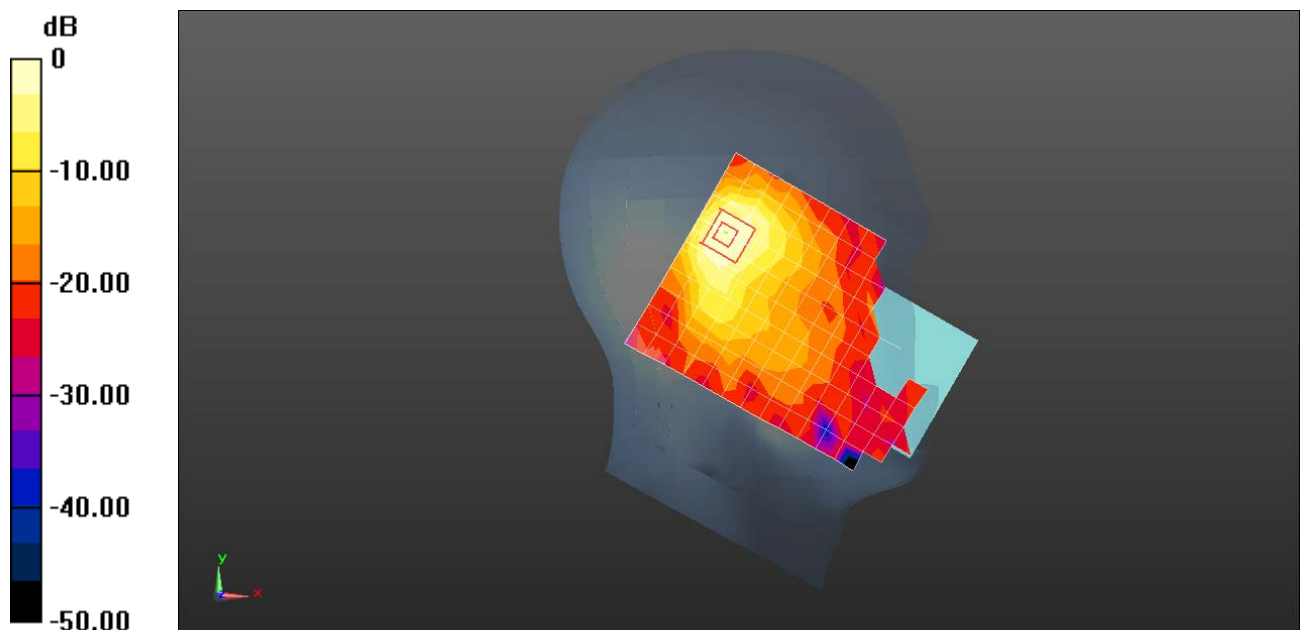
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.888 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.789 W/kg

**SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.153 W/kg**

Maximum value of SAR (measured) = 0.630 W/kg



0 dB = 0.398 W/kg = -4.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### AUM-L33 WiFi 2.4G 11b 6CH Back Side 15mm with Battery3

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.972$  S/m;  $\epsilon_r = 51.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.29, 7.29, 7.29); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (11x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.118 W/kg

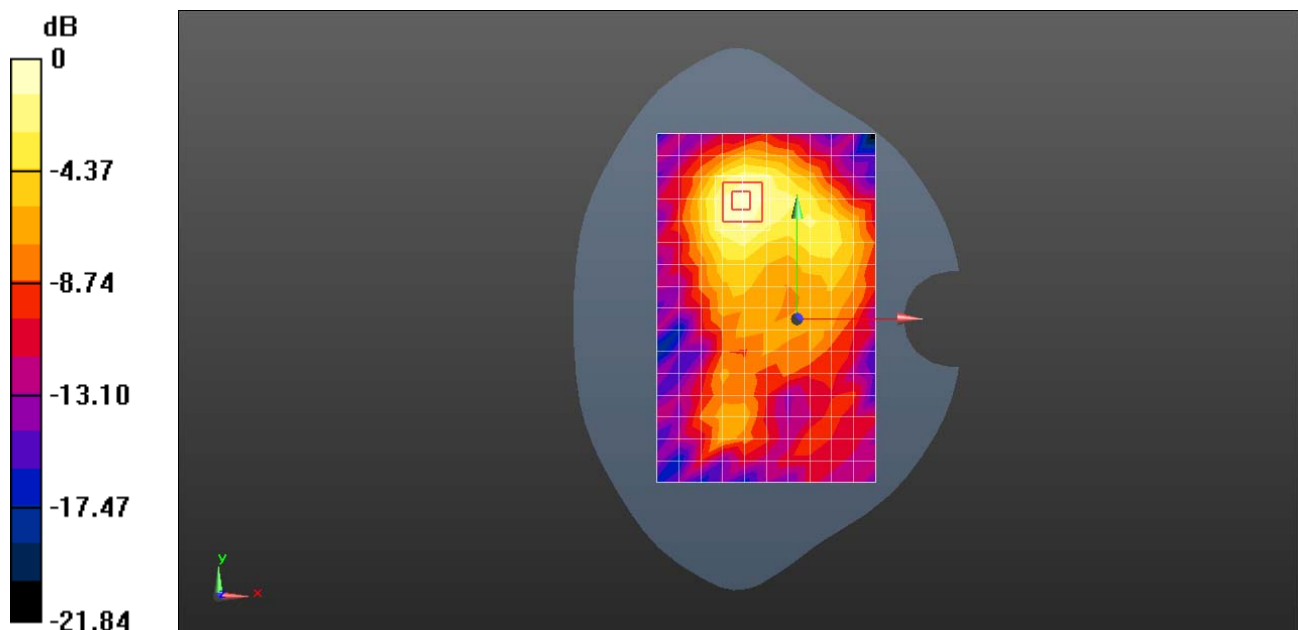
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.579 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.142 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.117 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

Test Laboratory: HUAWE SAR/HAC Lab

## AUM-L33 WiFi 2.4G 11b 6CH Top Side 10mm with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.972$  S/m;  $\epsilon_r = 51.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.29, 7.29, 7.29); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.268 W/kg

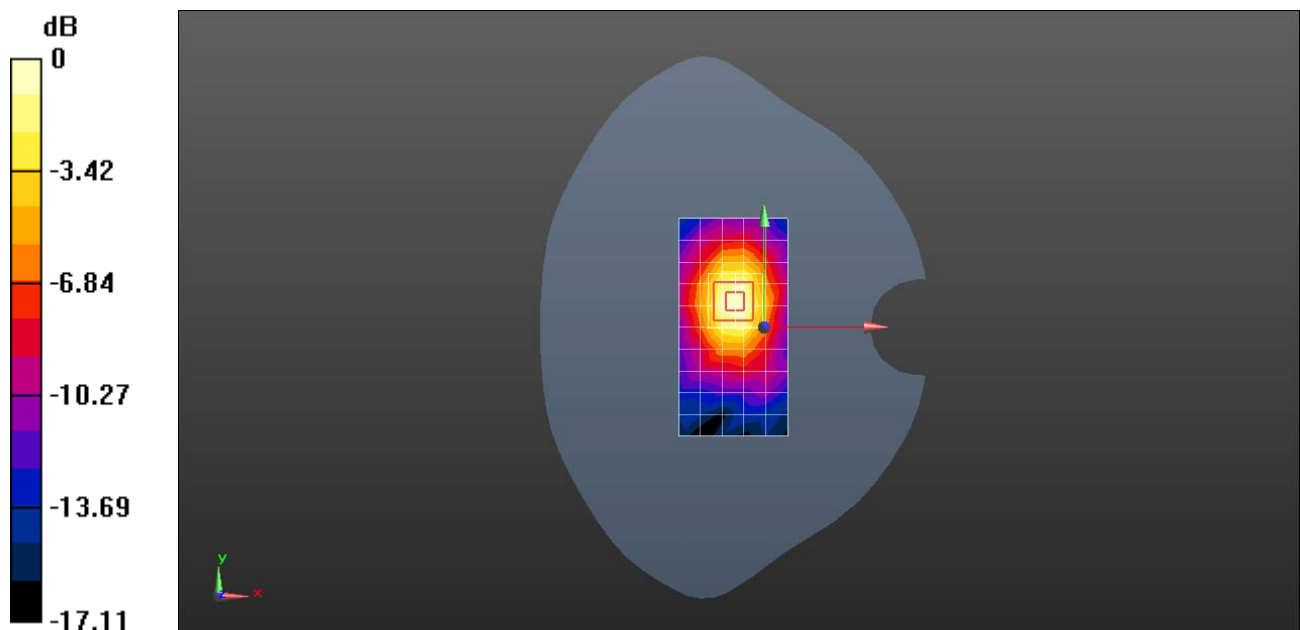
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.22 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.383 W/kg

**SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.112 W/kg**

Maximum value of SAR (measured) = 0.324 W/kg



0 dB = 0.268 W/kg = -5.72 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## AUM-L33 BT DH5 39CH Left tilt with Battery2

**DUT: AUM-L33; Type: Smart Phone; Serial: SAR1**

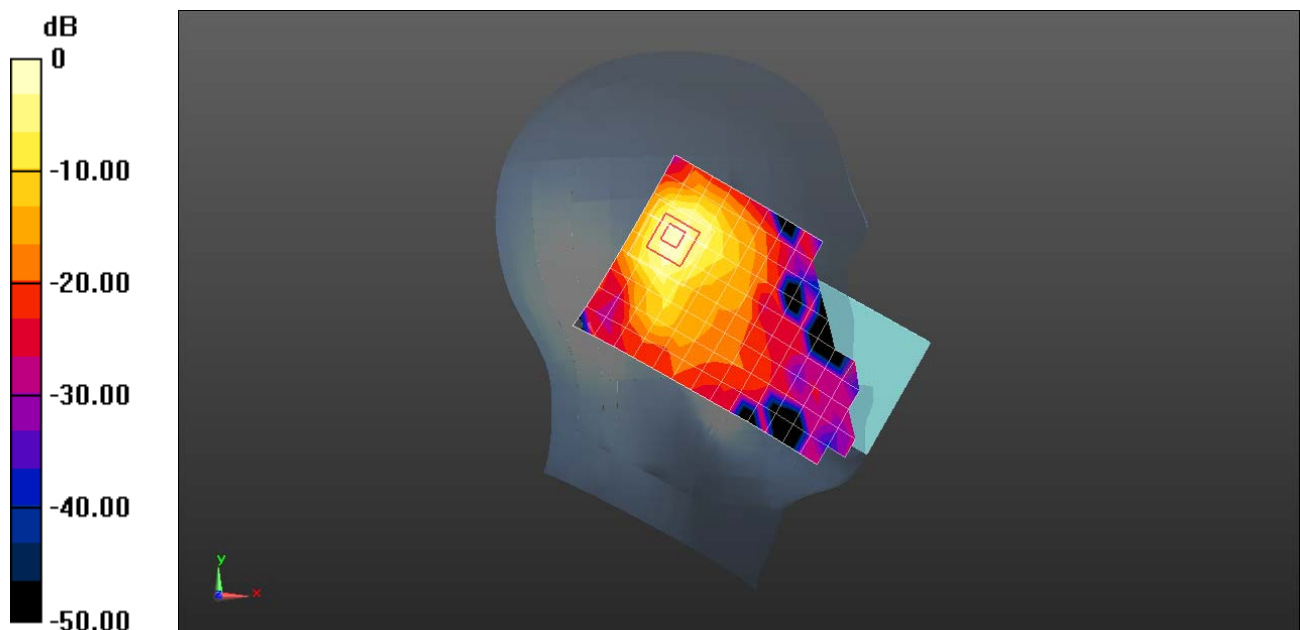
Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.779$  S/m;  $\epsilon_r = 38.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(8.04, 8.04, 8.04); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.171 W/kg

**Configuration/Head/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 5.761 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 0.269 W/kg  
**SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.049 W/kg**  
Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.171 W/kg = -7.67 dBW/kg