



### **Appendix B DASy Measurement Results**

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Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 GSM850 190CH Left Touch

**DUT: LDN-L01; 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;  $\sigma = 0.939$  S/m;  $\epsilon_r = 40.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.27, 6.27, 6.27); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.226 W/kg

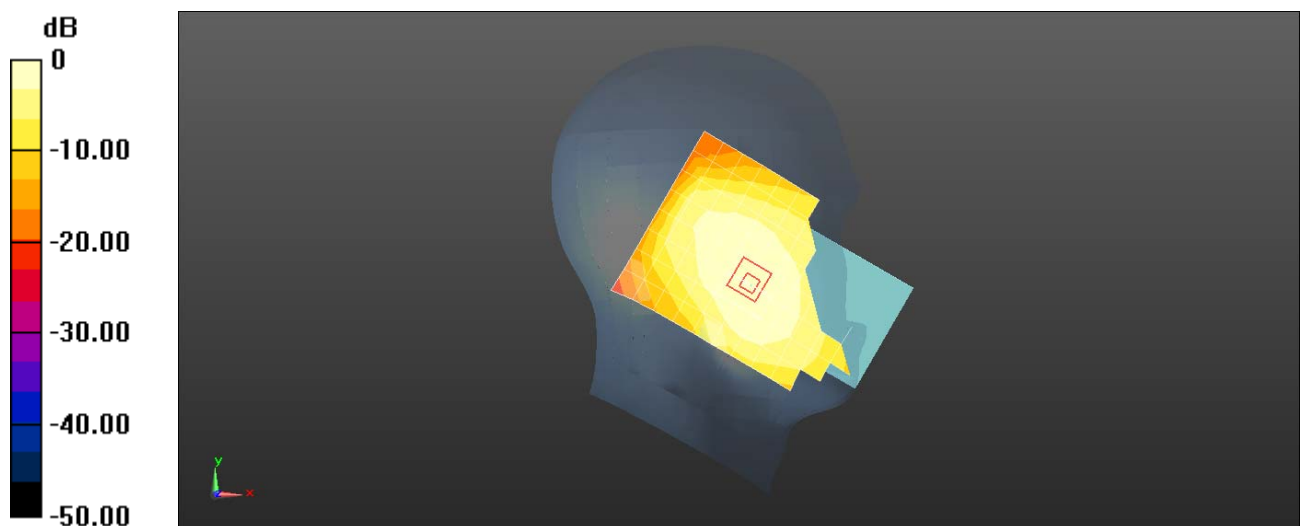
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.16 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.146 W/kg**

Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.226 W/kg = -6.46 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 GSM850 190CH Back Side 15mm with Battery6

**DUT: LDN-L01; 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;  $\sigma = 0.942$  S/m;  $\epsilon_r = 53.834$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.27, 6.27, 6.27); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.251 W/kg

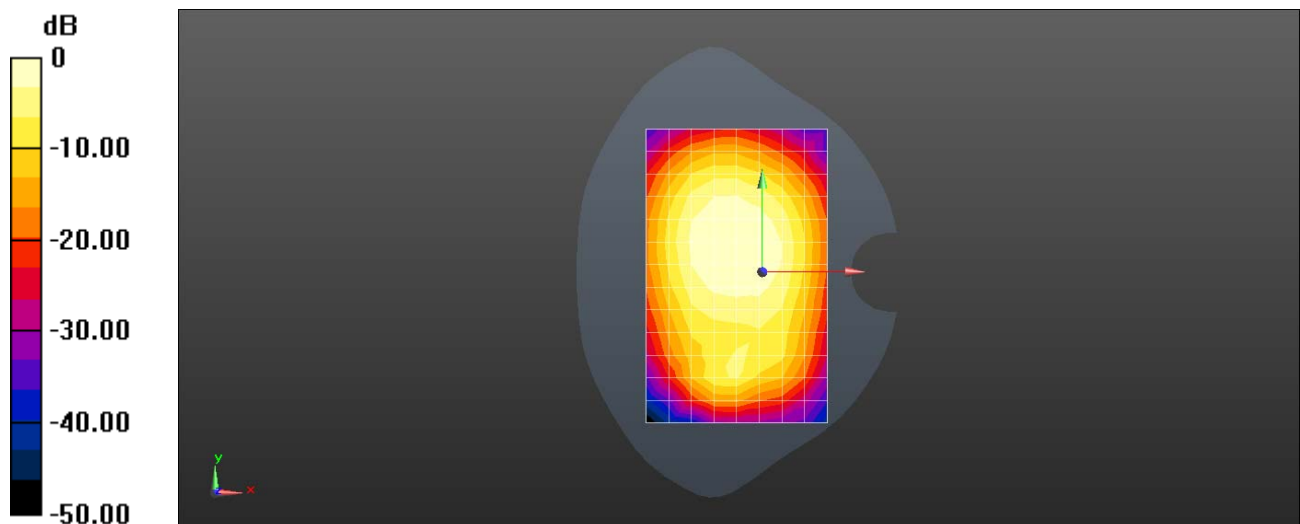
**Configuration/Body/Zoom Scan (7x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.48 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.287 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.262 W/kg



0 dB = 0.251 W/kg = -6.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 GSM850 GPRS 4TS 190CH Back Side 10mm with Battery6

**DUT: LDN-L01; 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;  $\sigma = 0.942$  S/m;  $\epsilon_r = 53.834$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.27, 6.27, 6.27); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.399 W/kg

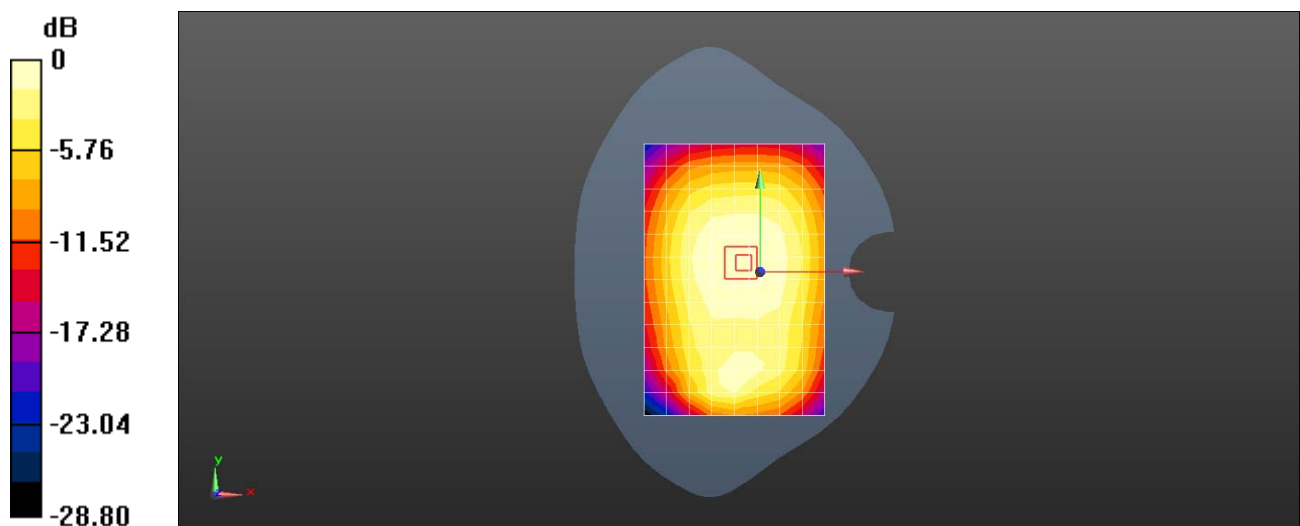
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.81 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.437 W/kg

**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.302 W/kg**

Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.399 W/kg = -3.99 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 GSM1900 661CH Right Touch with Battery5

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  S/m;  $\epsilon_r = 40.864$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.0699 W/kg

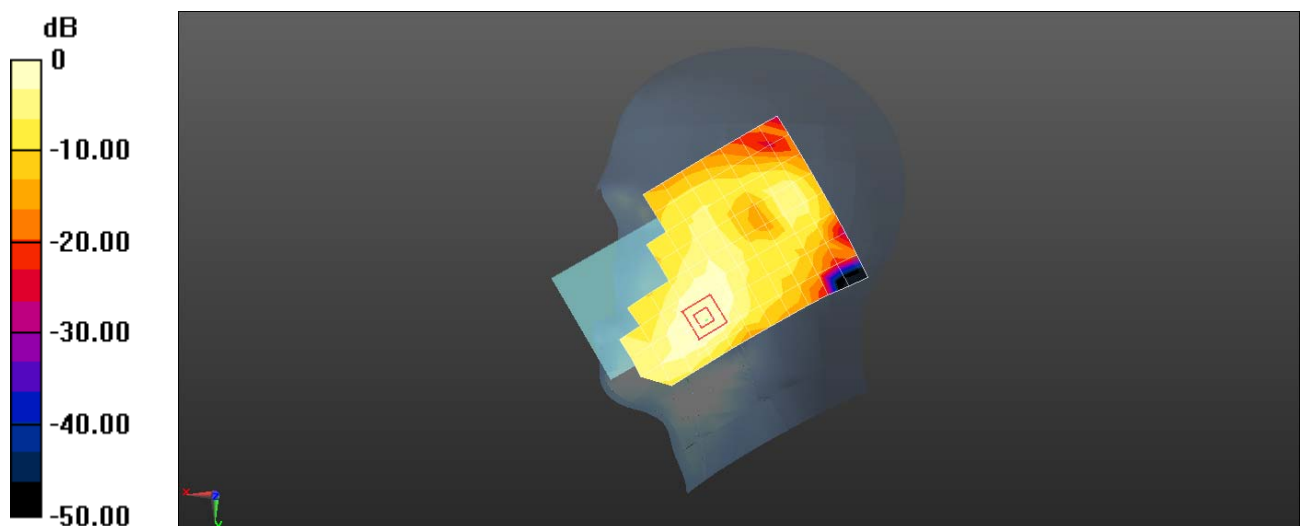
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.232 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0960 W/kg

**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.040 W/kg**

Maximum value of SAR (measured) = 0.0727 W/kg



0 dB = 0.0699 W/kg = -11.56 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 GSM1900 661CH Back Side 15mm with Battery5

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.483$  S/m;  $\epsilon_r = 51.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.98, 4.98, 4.98); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- 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) = 0.550 W/kg

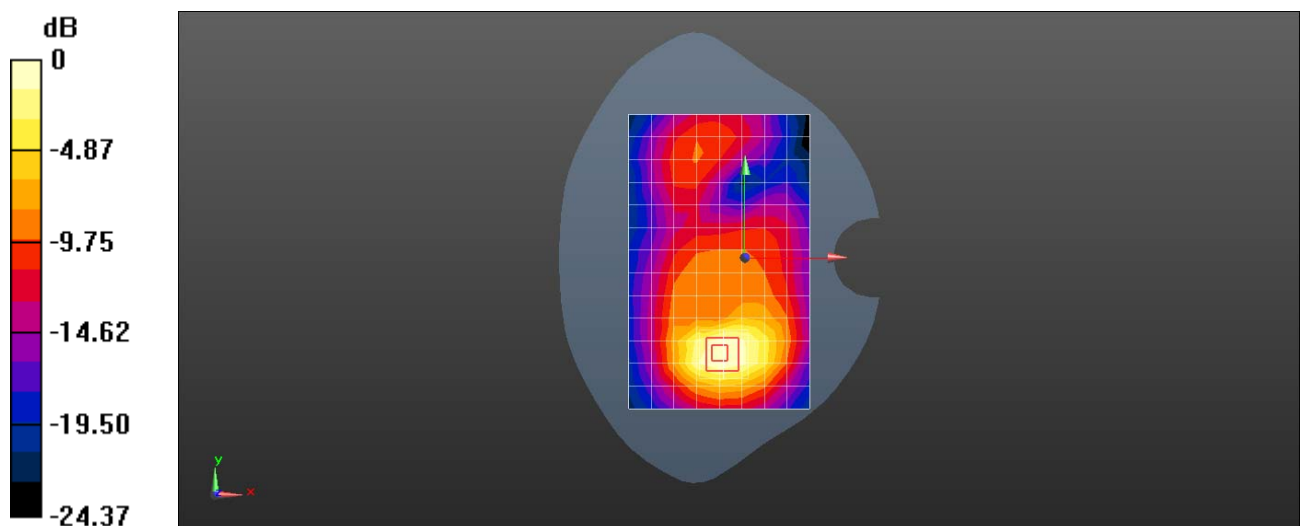
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.859 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.882 W/kg

**SAR(1 g) = 0.581 W/kg; SAR(10 g) = 0.347 W/kg**

Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.550 W/kg = -2.60 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 GSM1900 GPRS 3TS 512CH Bottom Side 10mm with Battery2

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-3TS (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.77013

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.462$  S/m;  $\epsilon_r = 51.763$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.98, 4.98, 4.98); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.967 W/kg

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

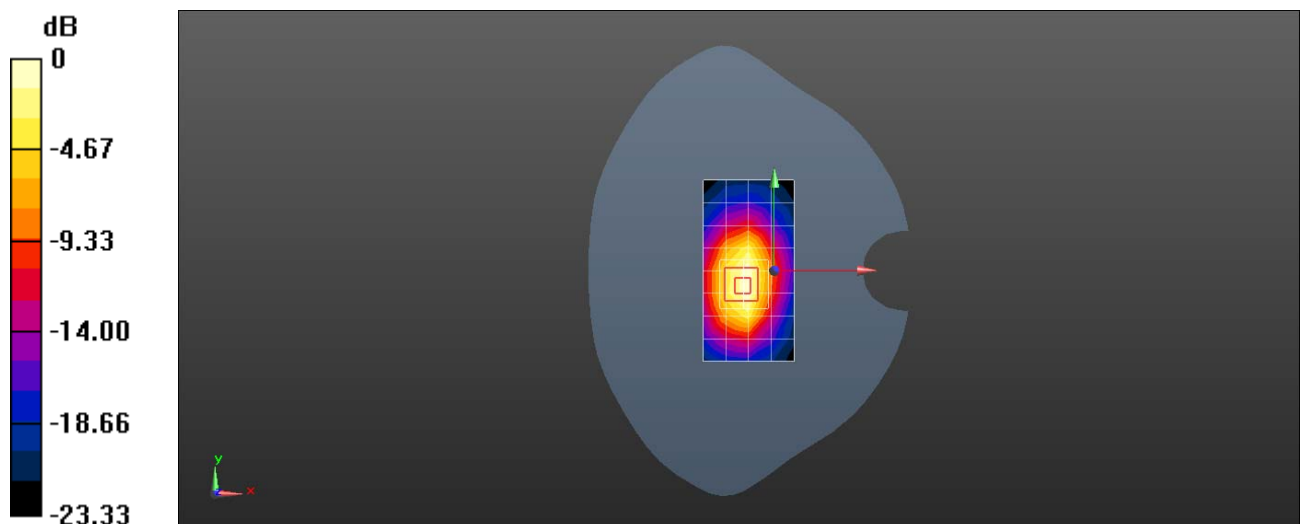
Reference Value = 25.76 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.476 W/kg**

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

Maximum value of SAR (measured) = 0.996 W/kg



0 dB = 0.967 W/kg = -0.15 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 GSM1900 GPRS 3TS 661CH Bottom Side 0mm with Battery5

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-3TS (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77013

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.483$  S/m;  $\epsilon_r = 51.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.98, 4.98, 4.98); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 4.55 W/kg

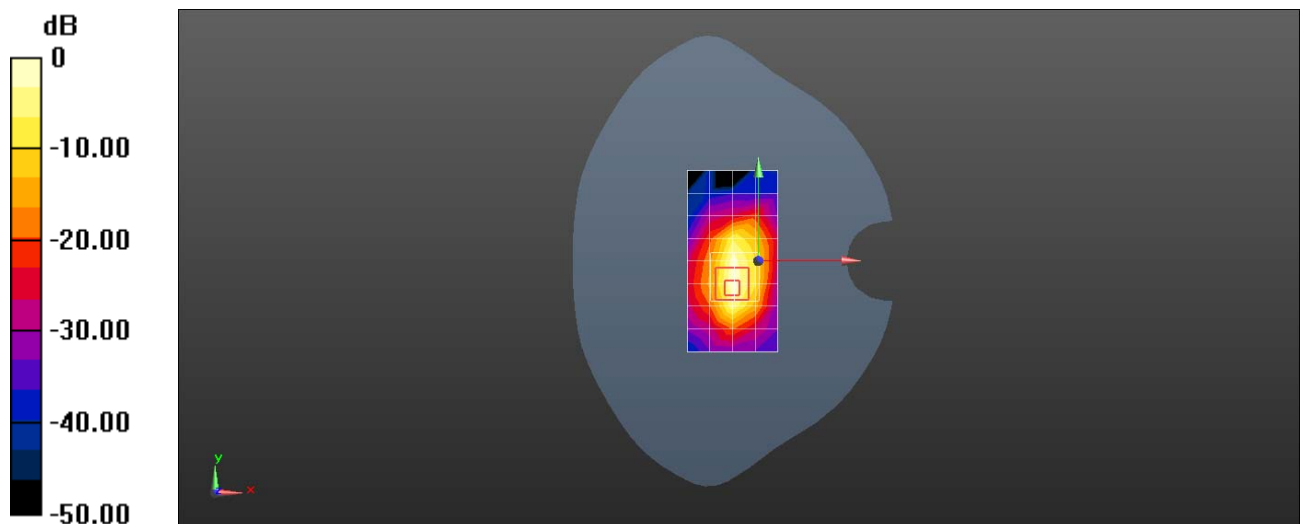
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 48.43 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 7.59 W/kg

**SAR(1 g) = 3.98 W/kg; SAR(10 g) = 1.98 W/kg**

Maximum value of SAR (measured) = 4.82 W/kg



0 dB = 4.55 W/kg = 6.58 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 UMTS Band 5 4182CH Left Touch

**DUT: LDN-L01; 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;  $\sigma = 0.931$  S/m;  $\epsilon_r = 42.685$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.55, 6.55, 6.55); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

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

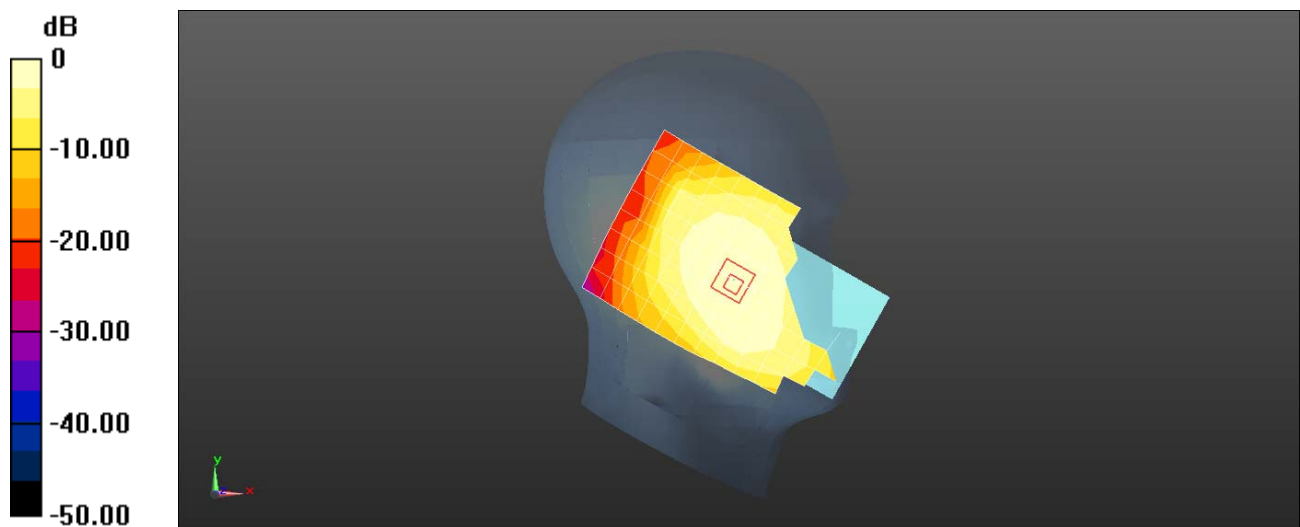
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.546 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.182 W/kg

**SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.115 W/kg**

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



0 dB = 0.160 W/kg = -7.96 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 UMTS Band 5 4182CH Back Side 15mm with Battery3

**DUT: LDN-L01; 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;  $\sigma = 0.942$  S/m;  $\epsilon_r = 53.836$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.27, 6.27, 6.27); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.301 W/kg

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

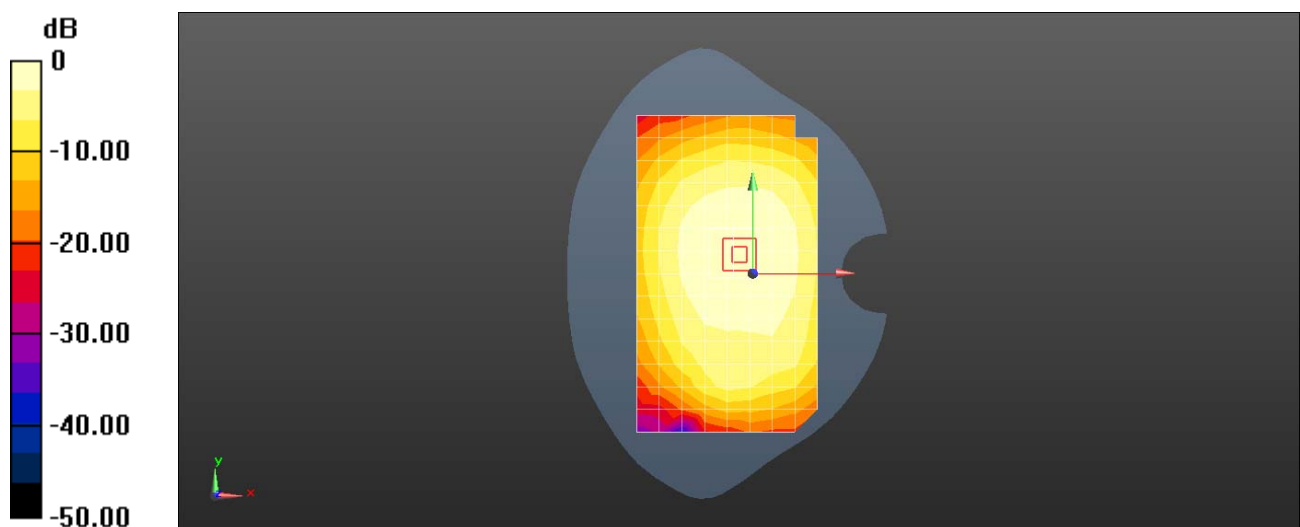
Reference Value = 17.82 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.334 W/kg

**SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.232 W/kg**

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

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.301 W/kg = -5.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 UMTS Band 5 4182CH Back Side 10mm with Battery3

**DUT: LDN-L01; 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;  $\sigma = 0.942$  S/m;  $\epsilon_r = 53.836$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.27, 6.27, 6.27); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.329 W/kg

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

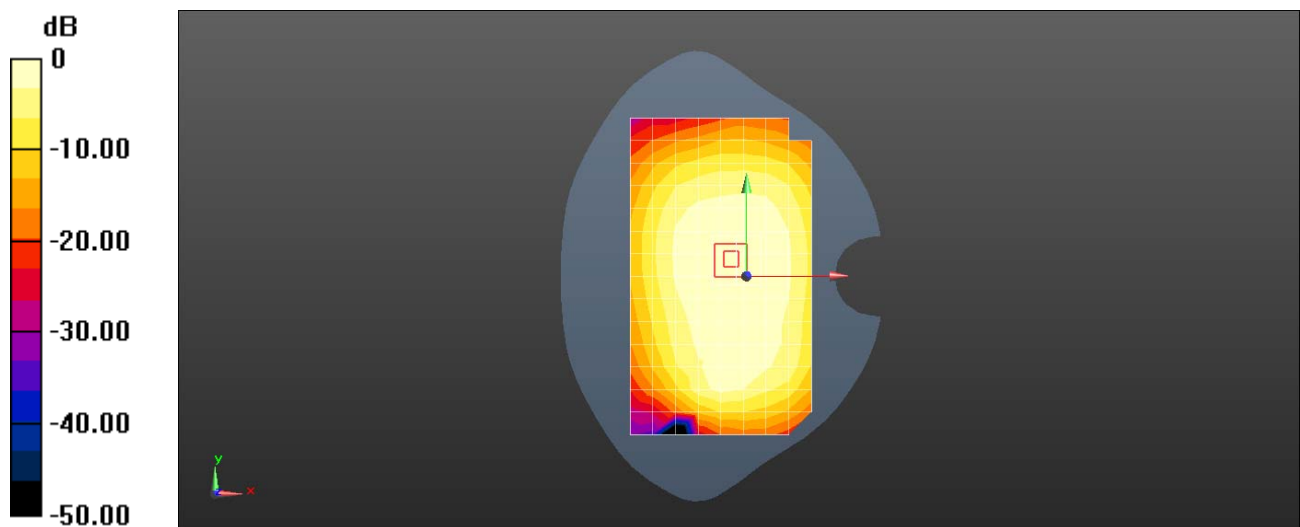
Reference Value = 19.03 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.372 W/kg

**SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.264 W/kg**

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

Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.329 W/kg = -4.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 UMTS Band 2 9400CH Right Touch with Battery2

**DUT: LND-L01; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.394$  S/m;  $\epsilon_r = 40.864$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.0691 W/kg

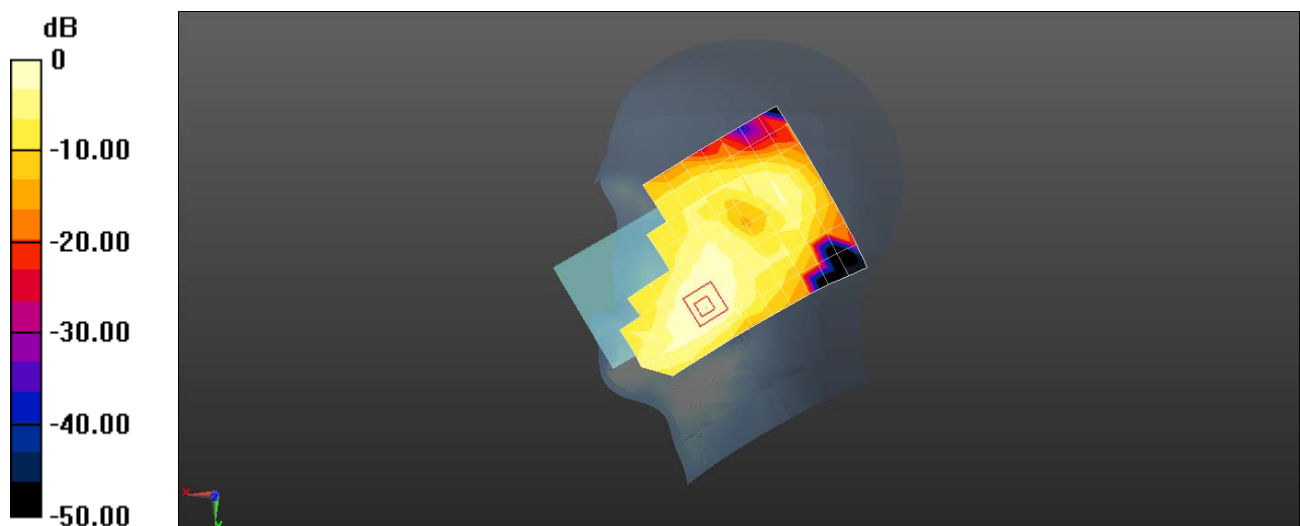
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.748 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0960 W/kg

**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.040 W/kg**

Maximum value of SAR (measured) = 0.0733 W/kg



0 dB = 0.0691 W/kg = -11.61 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 UMTS Band 2 9400CH Back Side 15mm with Battery4

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.483$  S/m;  $\epsilon_r = 51.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.98, 4.98, 4.98); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- 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) = 0.470 W/kg

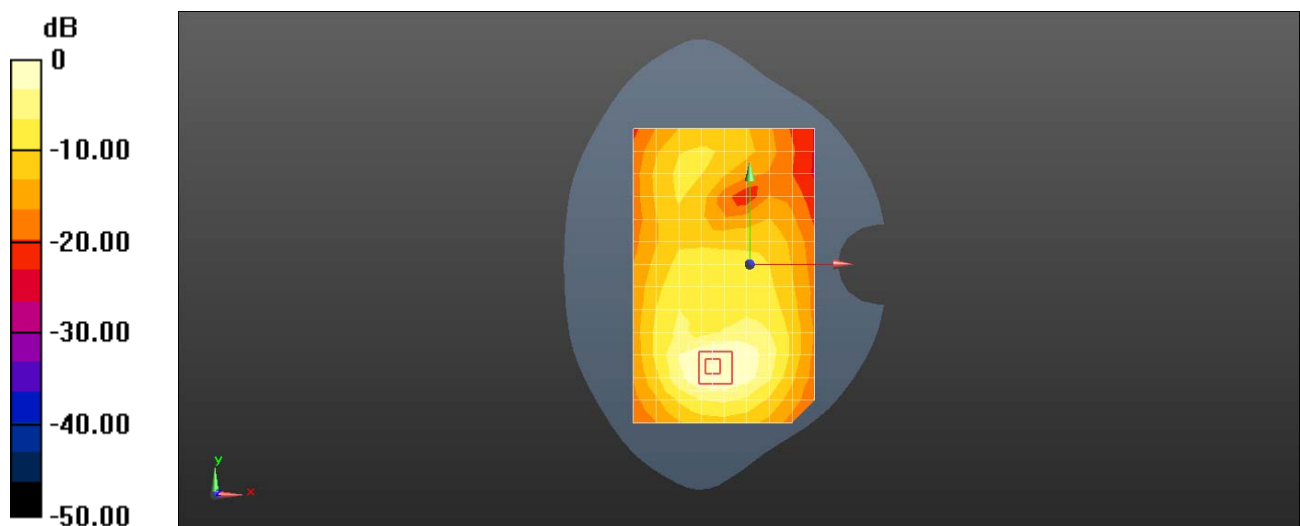
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.855 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.875 W/kg

**SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.341 W/kg**

Maximum value of SAR (measured) = 0.693 W/kg



0 dB = 0.470 W/kg = -3.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 UMTS Band 2 9262CH Bottom Side 10mm with Battery5

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 1.463$  S/m;  $\epsilon_r = 51.761$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.98, 4.98, 4.98); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.918 W/kg

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

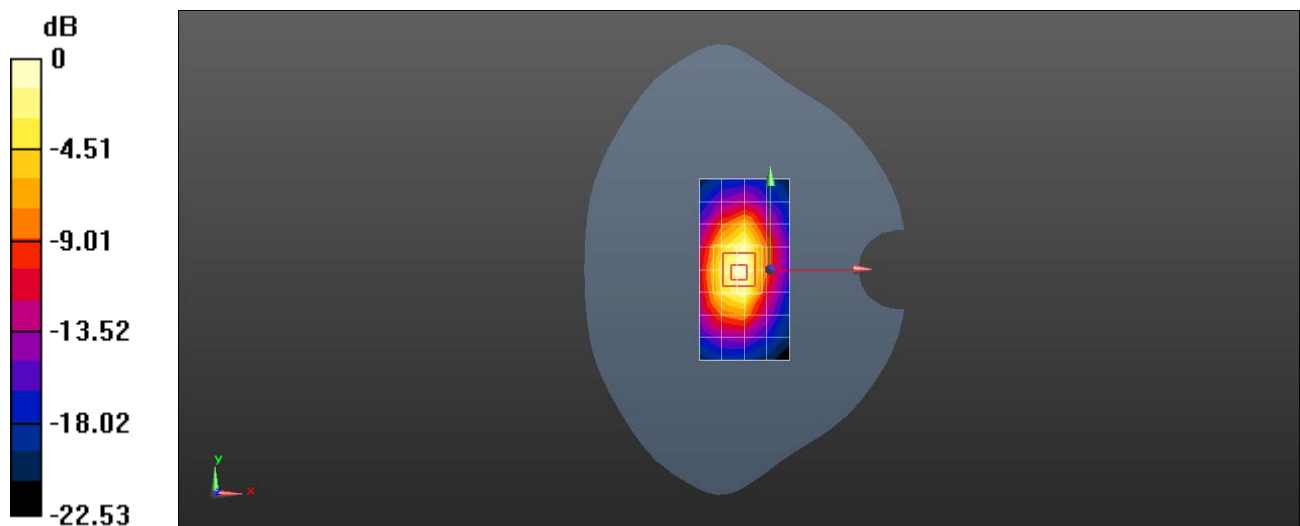
Reference Value = 26.08 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.846 W/kg; SAR(10 g) = 0.487 W/kg**

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

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 0.918 W/kg = -0.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 UMTS Band 2 9262CH Bottom Side 0mm

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 1.463$  S/m;  $\epsilon_r = 51.761$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.98, 4.98, 4.98); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 2.35 W/kg

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

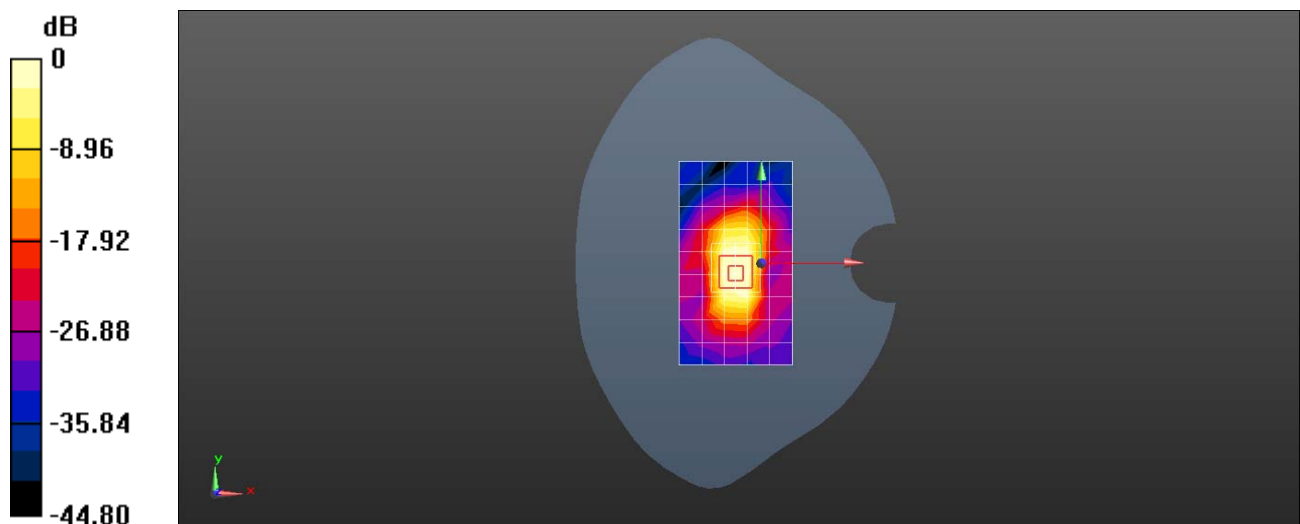
Reference Value = 59.76 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 8.07 W/kg

**SAR(1 g) = 4.05 W/kg; SAR(10 g) = 1.84 W/kg**

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

Maximum value of SAR (measured) = 5.41 W/kg



0 dB = 2.35 W/kg = 3.71 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 LTE Band 5 10M QPSK 50%RB 13 Offset 20450CH Right Tilt

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829$  MHz;  $\sigma = 0.928$  S/m;  $\epsilon_r = 42.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.55, 6.55, 6.55); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

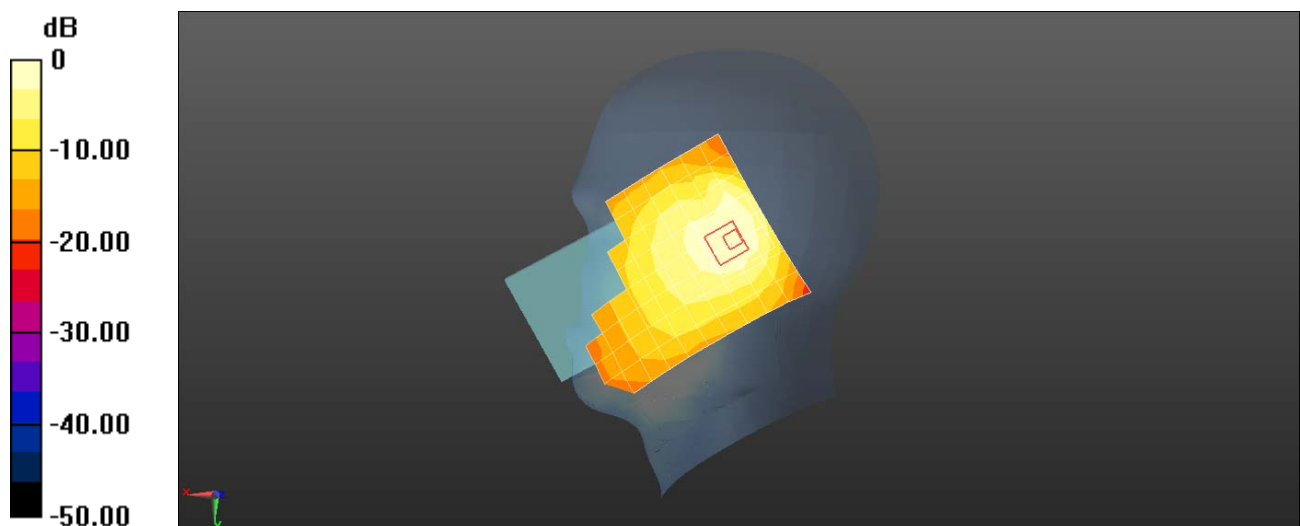
**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.96 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.222 W/kg

**SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.081 W/kg**

Maximum value of SAR (measured) = 0.138 W/kg



0 dB = 0.141 W/kg = -8.51 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 LTE Band 5 10M QPSK 1RB 25 Offset 20450CH Back Side 15mm with Battery3

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 53.85$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.27, 6.27, 6.27); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.201 W/kg

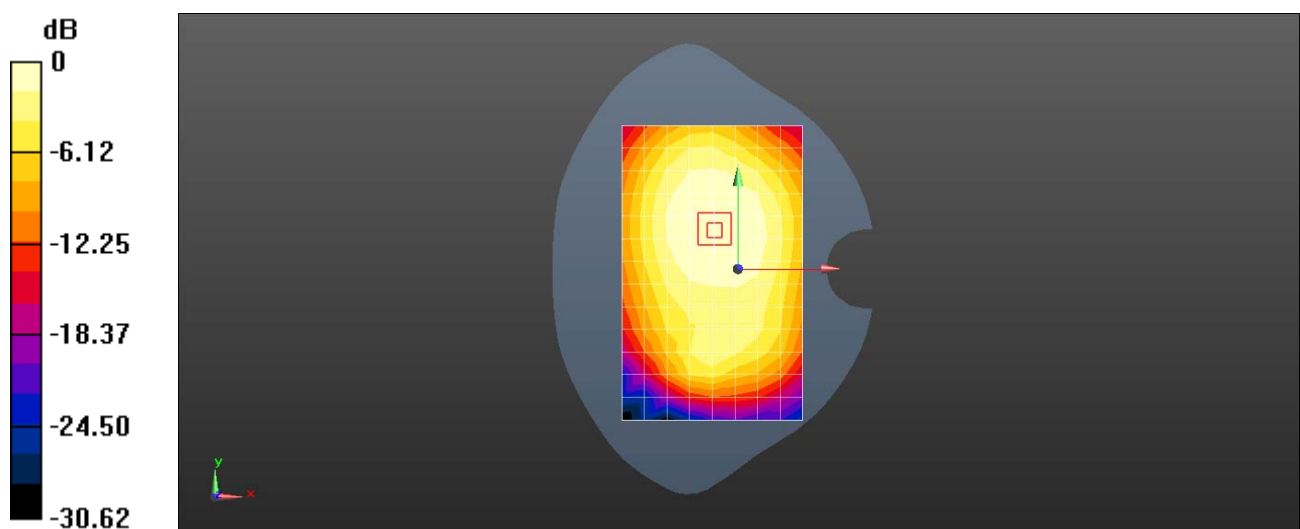
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.41 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.161 W/kg**

Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.201 W/kg = -6.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 LTE Band 5 10M QPSK 1RB 25 Offset 20450CH Back Side 10mm with Battery6

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 53.85$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.27, 6.27, 6.27); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

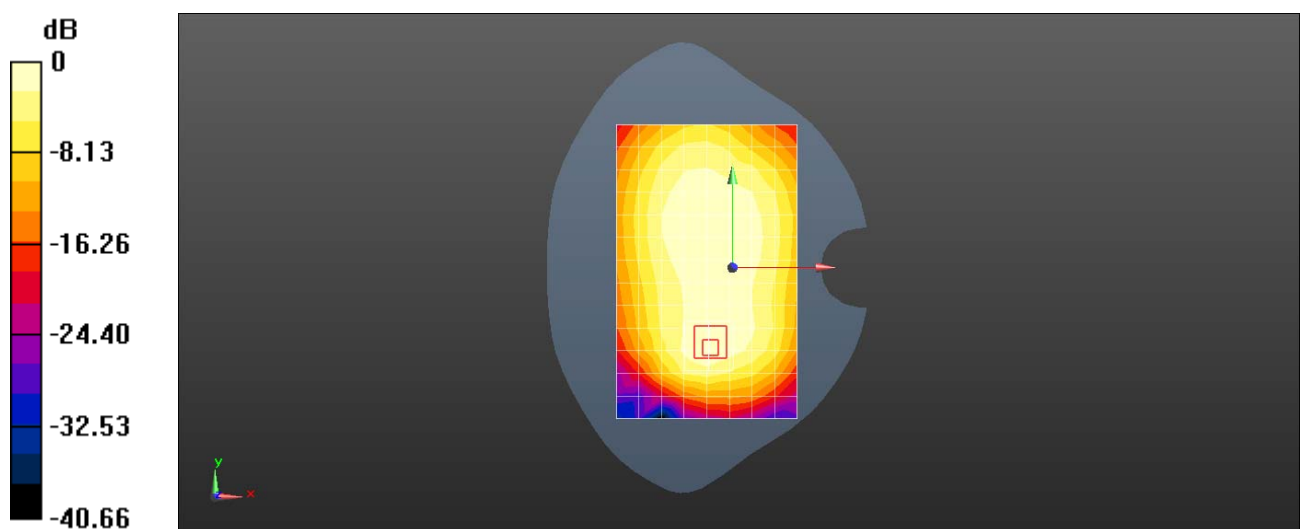
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.02 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.313 W/kg

**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.126 W/kg**

Maximum value of SAR (measured) = 0.234 W/kg



0 dB = 0.233 W/kg = -6.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 LTE Band 7 20M QPSK 1RB 50 Offset 21350CH Right Tilt

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 1.907$  S/m;  $\epsilon_r = 38.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.64, 4.64, 4.64); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.222 W/kg

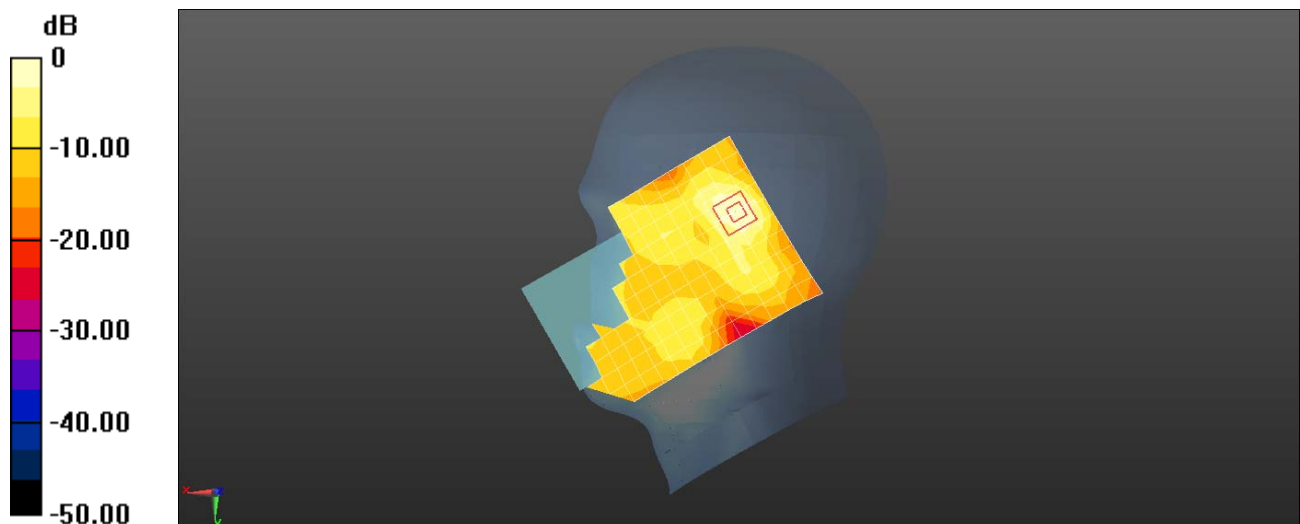
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.203 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.401 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.087 W/kg**

Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.222 W/kg = -6.54 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 LTE Band 7 20M QPSK 1RB 50 Offset 21350CH Front Side 15mm with Battery6

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 2.073$  S/m;  $\epsilon_r = 54.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat 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 Sn852; Calibrated: 2017-4-27
- 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=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.342 W/kg

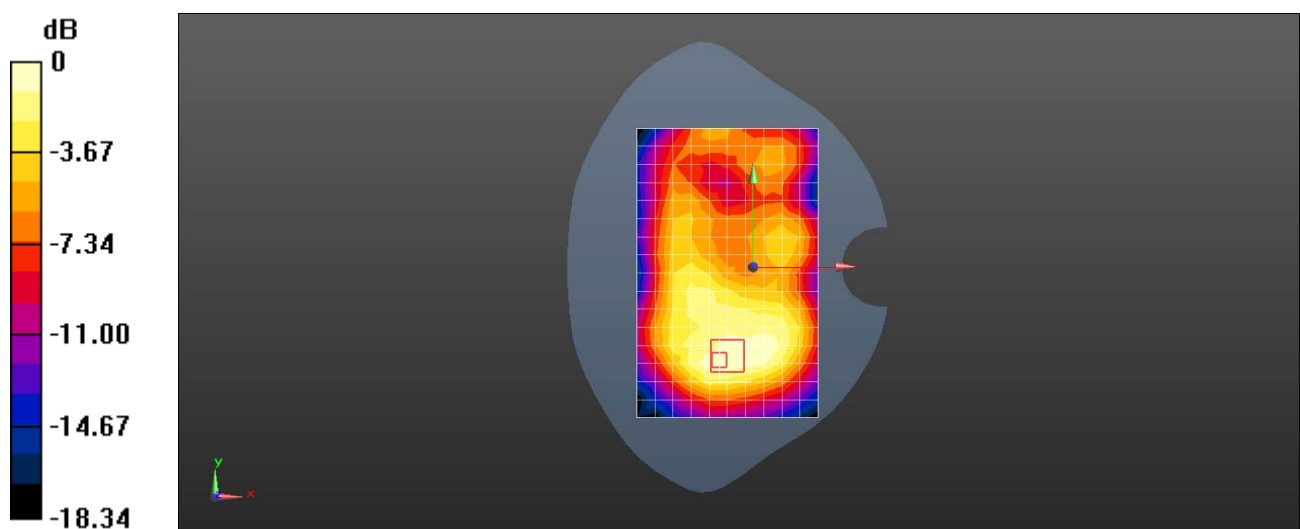
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.170 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.410 W/kg

**SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.342 W/kg = -4.66 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 LTE Band 7 20M QPSK 1RB 50 Offset 21100CH Bottom Side 10mm with Battery3

**DUT: LDN-L01; 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;  $\sigma = 2.048$  S/m;  $\epsilon_r = 54.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat 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 Sn852; Calibrated: 2017-4-27
- 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=12mm, dy=12mm

Maximum value of SAR (measured) = 0.603 W/kg

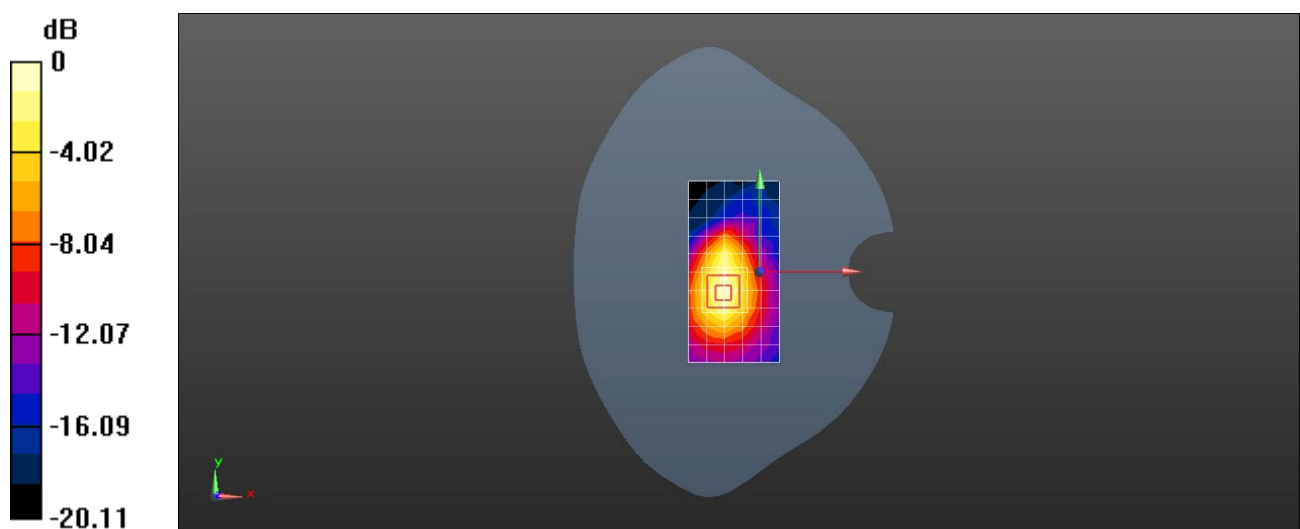
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.13 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.736 W/kg

**SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.216 W/kg**

Maximum value of SAR (measured) = 0.612 W/kg



0 dB = 0.603 W/kg = -2.20 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 WiFi 2.4G 802.11b 1CH Left Touch

**DUT: LDN-L01; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.784$  S/m;  $\epsilon_r = 37.889$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.31, 7.31, 7.31); Calibrated: 2017-4-27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.363 W/kg

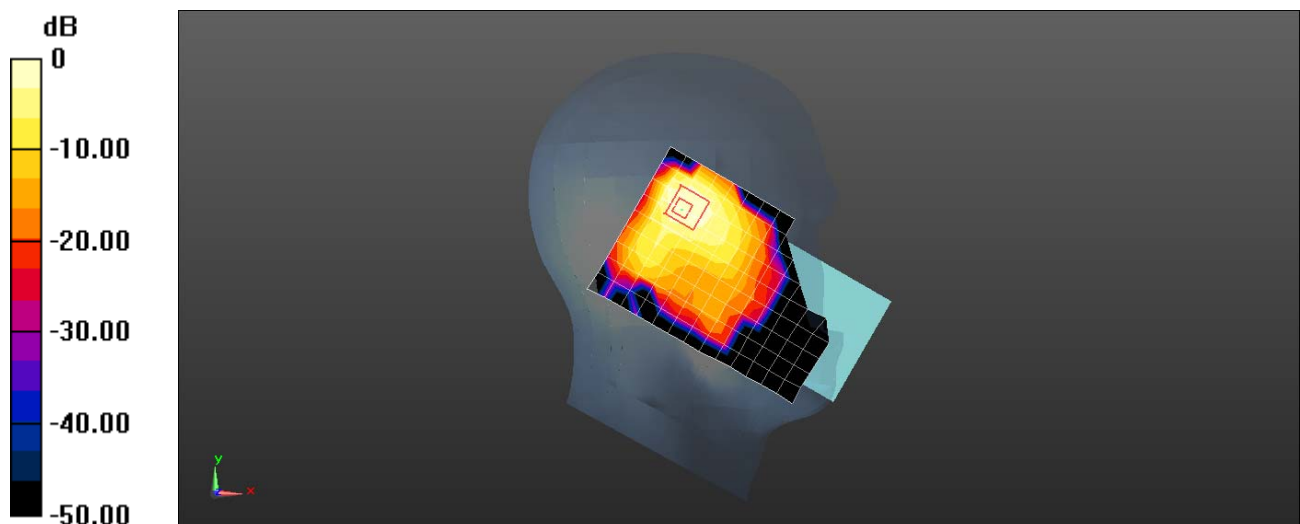
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.000 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.539 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.117 W/kg**

Maximum value of SAR (measured) = 0.419 W/kg



0 dB = 0.363 W/kg = -4.40 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LDN-L01 WiFi 2.4G 802.11b 6CH Front Side 15mm with Battery6

**DUT: LDN-L01; 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;  $\sigma = 1.896$  S/m;  $\epsilon_r = 51.332$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.21, 7.21, 7.21); Calibrated: 2017-4-27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (13x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.109 W/kg

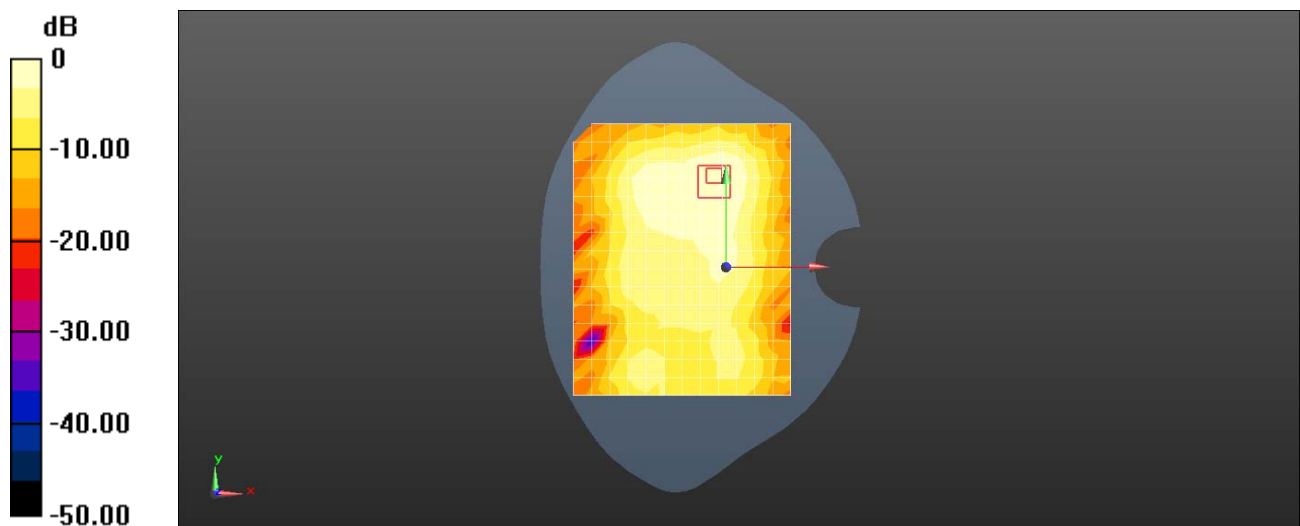
**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.827 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.137 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.046 W/kg**

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



0 dB = 0.109 W/kg = -9.63 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### LDN-L01 WiFi 2.4G 802.11b 6CH Top Side 10mm

**DUT: LDN-L01; 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:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.896 \text{ S/m}$ ;  $\epsilon_r = 51.332$ ;  $\rho = 1000 \text{ kg/m}^3$

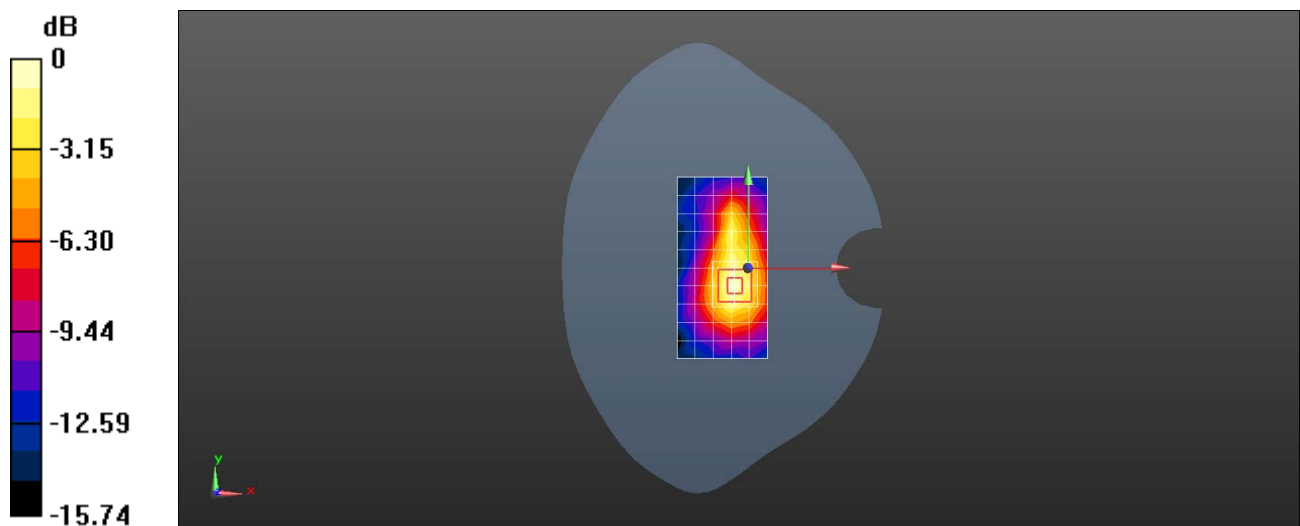
Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.21, 7.21, 7.21); Calibrated: 2017-4-27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- 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:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
Maximum value of SAR (measured) = 0.243 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$   
Reference Value = 8.736 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.306 W/kg  
**SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.096 W/kg**  
Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.243 W/kg = -6.14 dBW/kg