

**Appendix B. SAR Measurement Plots**

Table of contents
GSM850 Head
GSM850 Body
GSM1900 Head
GSM1900 Body
UMTS Band II Head
UMTS Band II Body
UMTS Band IV Head
UMTS Band IV Body
UMTS Band V Head
UMTS Band V Body
LTE Band II Head
LTE Band II Body
LTE Band IV Head
LTE Band IV Body
LTE Band V Head
LTE Band V Body
LTE Band VII Head
LTE Band VII Body
LTE Band XII Head
LTE Band XII Body
WiFi 2.4G Head
WiFi 2.4G Body

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 GSM850 251CH Right touch with Battery 2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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; $\sigma = 0.945$ S/m; $\epsilon_r = 42.455$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(10.26, 10.26, 10.26); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- 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) = 0.350 W/kg

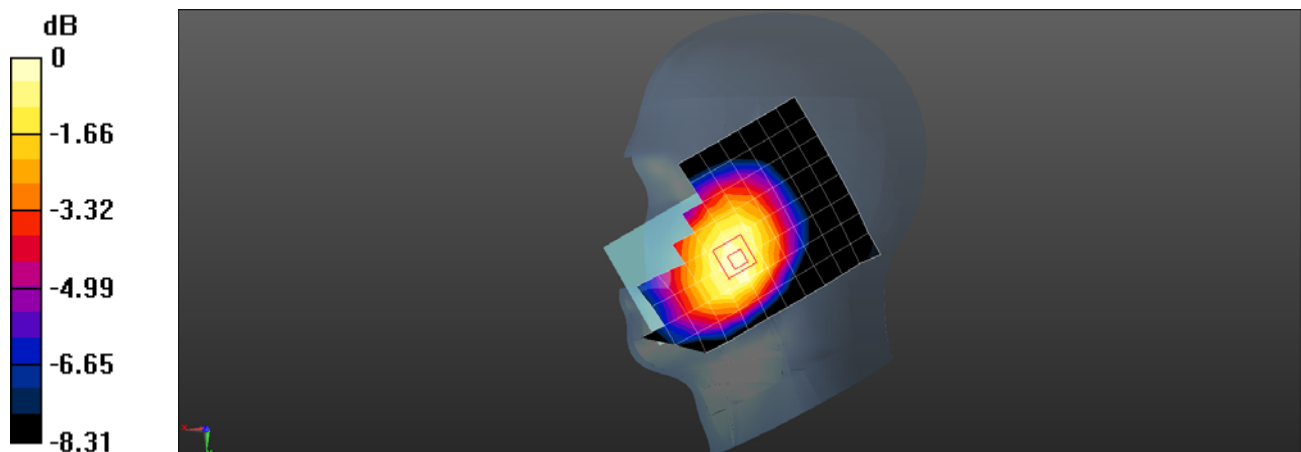
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.049 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg = -4.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 GSM850 190CH Back side 15mm with battery3

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.993 \text{ S/m}$; $\epsilon_r = 54.027$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(9.87, 9.87, 9.87); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.438 W/kg

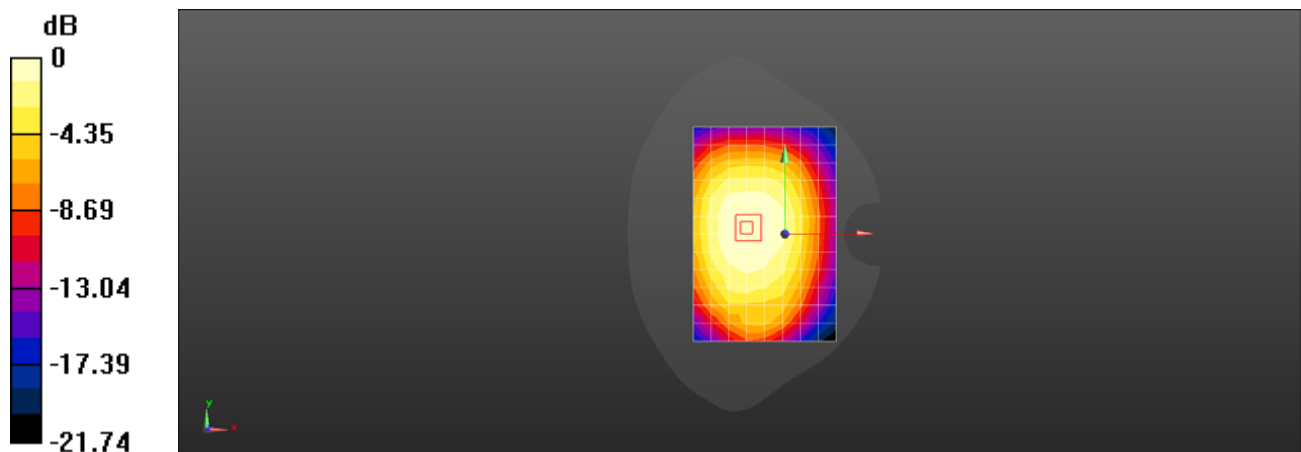
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.85 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.372 W/kg ; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 0.427 W/kg



0 dB = $0.438 \text{ W/kg} = -3.58 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 GSM850 GPRS 2TS 190CH Right side 10mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.993 \text{ S/m}$; $\epsilon_r = 54.027$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(9.87, 9.87, 9.87); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.764 W/kg

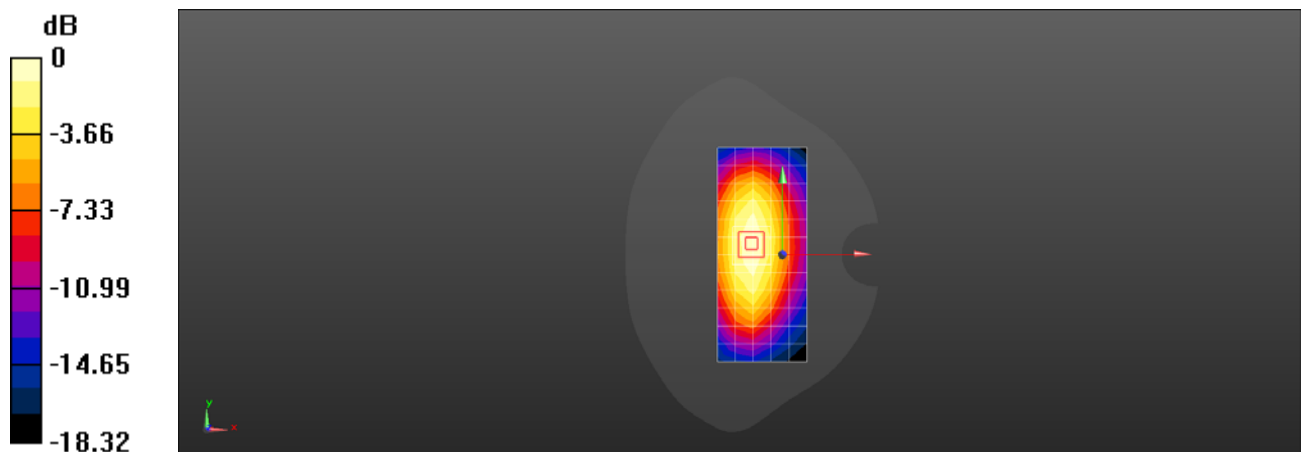
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.35 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.807 W/kg

SAR(1 g) = 0.592 W/kg ; SAR(10 g) = 0.412 W/kg

Maximum value of SAR (measured) = 0.743 W/kg



0 dB = $0.764 \text{ W/kg} = -1.17 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 GSM1900 661CH Left touch with battery 2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.416 \text{ S/m}$; $\epsilon_r = 40.846$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(8.17, 8.17, 8.17); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.349 W/kg

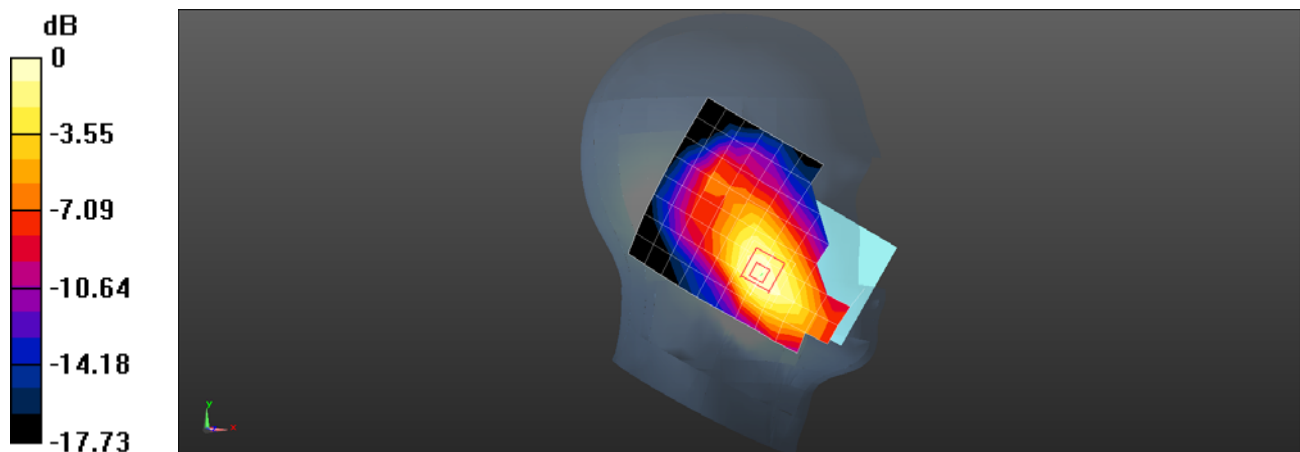
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.513 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.275 W/kg ; SAR(10 g) = 0.176 W/kg

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



$0 \text{ dB} = 0.362 \text{ W/kg} = -4.41 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 GSM1900 661CH Back side 15mm with battery2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.539 \text{ S/m}$; $\epsilon_r = 54.502$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.263 W/kg

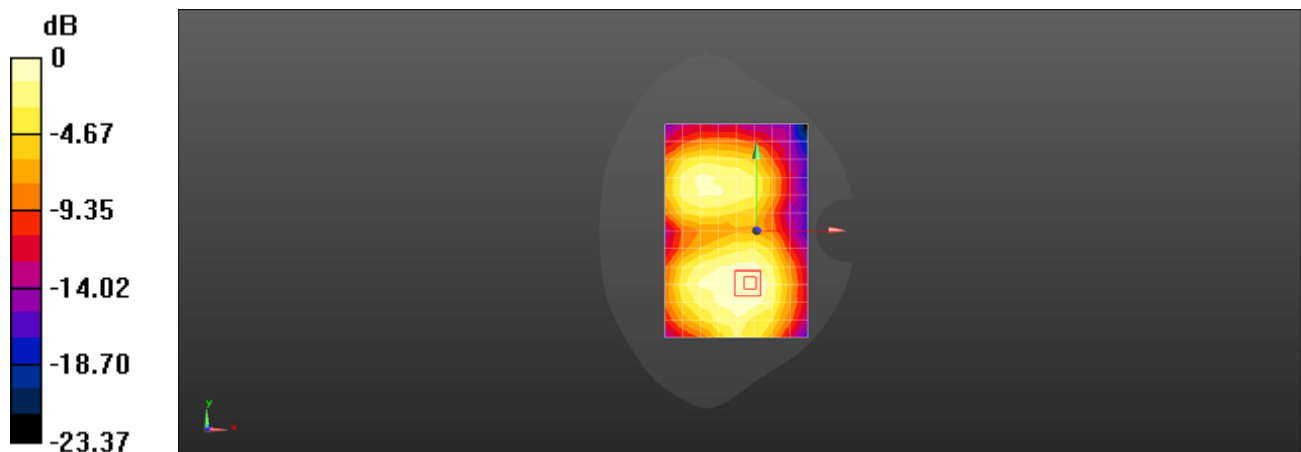
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.279 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.197 W/kg ; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.247 W/kg



$0 \text{ dB} = 0.263 \text{ W/kg} = -5.80 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 GSM1900 GPRS 2TS 661CH Bottom side 10mm with battery 3

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.539 \text{ S/m}$; $\epsilon_r = 54.502$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.749 W/kg

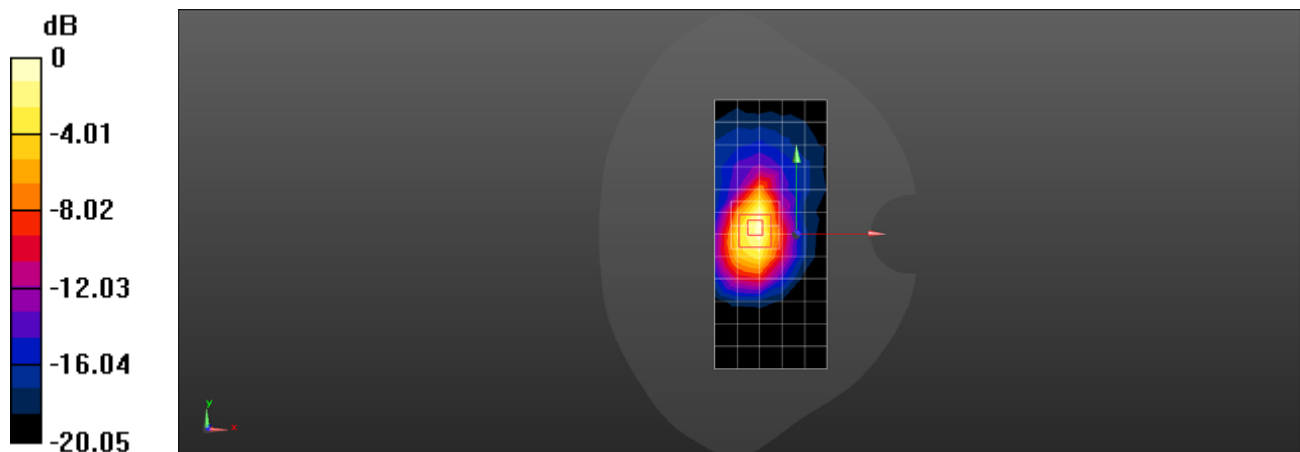
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.81 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.981 W/kg

SAR(1 g) = 0.577 W/kg ; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.846 W/kg = -0.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 GSM1900 GPRS 2TS 661CH Bottom side 0mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.539 \text{ S/m}$; $\epsilon_r = 54.502$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.96 W/kg

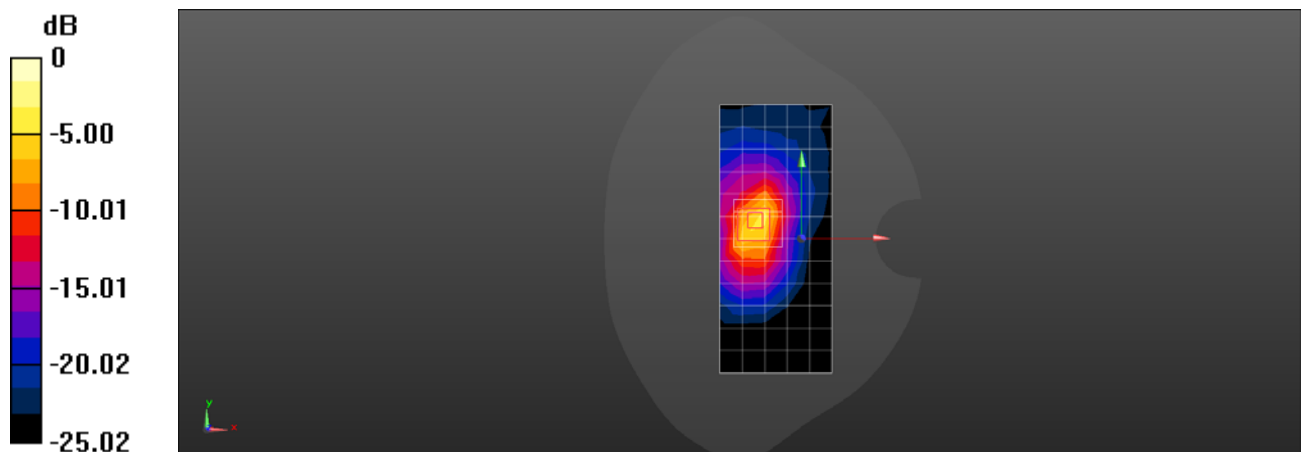
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.96 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 5.66 W/kg

SAR(1 g) = 2.32 W/kg ; SAR(10 g) = 0.941 W/kg

Maximum value of SAR (measured) = 4.97 W/kg



$0 \text{ dB} = 4.97 \text{ W/kg} = 6.97 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band II 9400CH Left touch

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 40.846$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(8.17, 8.17, 8.17); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- 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) = 0.507 W/kg

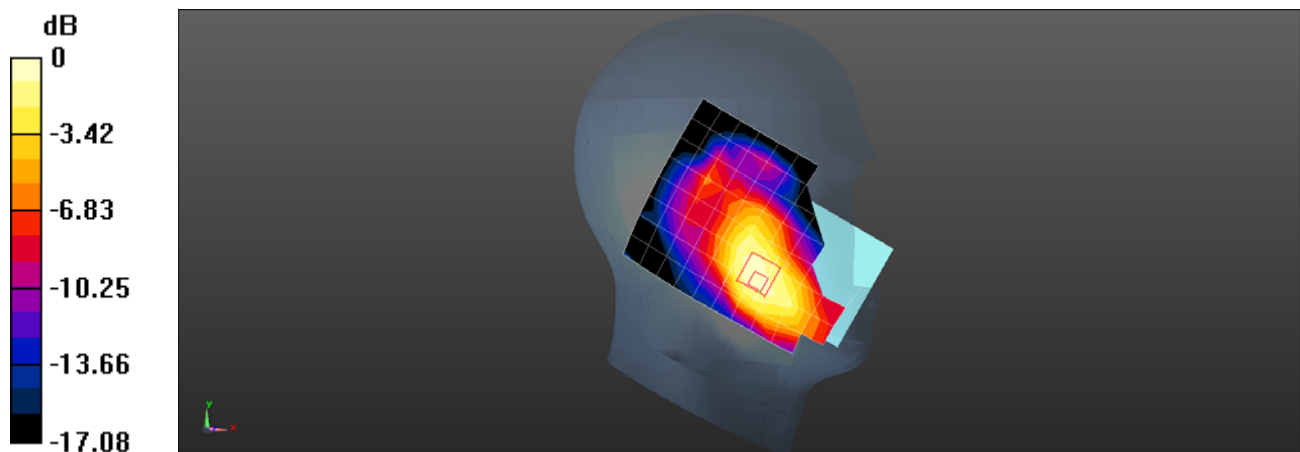
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.753 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.620 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.260 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg = -2.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band II 9400CH Back side 15mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.539 \text{ S/m}$; $\epsilon_r = 54.502$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- 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) = 0.645 W/kg

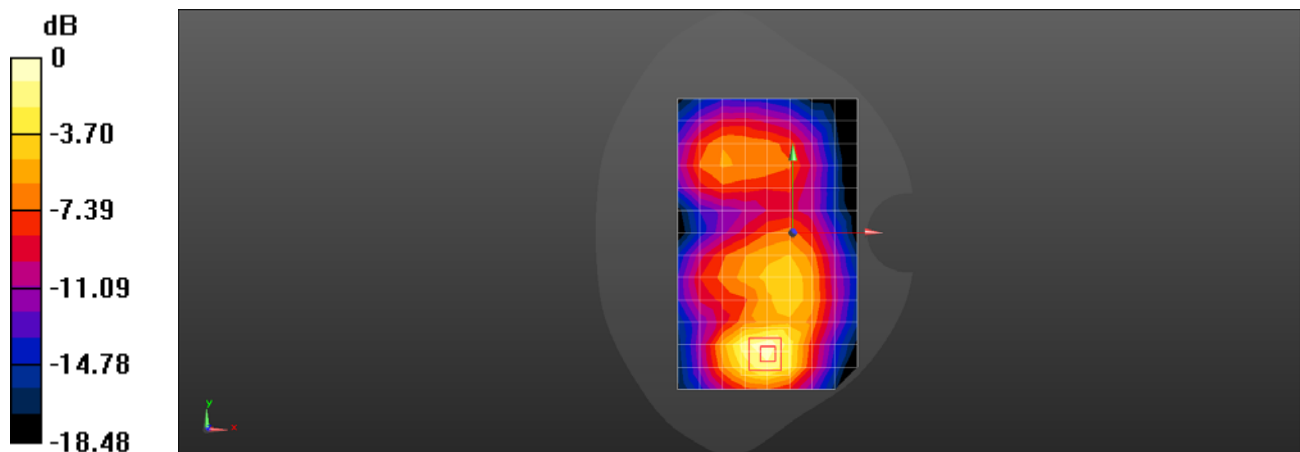
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.155 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.771 W/kg

SAR(1 g) = 0.469 W/kg ; SAR(10 g) = 0.260 W/kg

Maximum value of SAR (measured) = 0.665 W/kg



$0 \text{ dB} = 0.665 \text{ W/kg} = -1.77 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band II 9400CH Bottom side 10mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.539$ S/m; $\epsilon_r = 54.502$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (5x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.661 W/kg

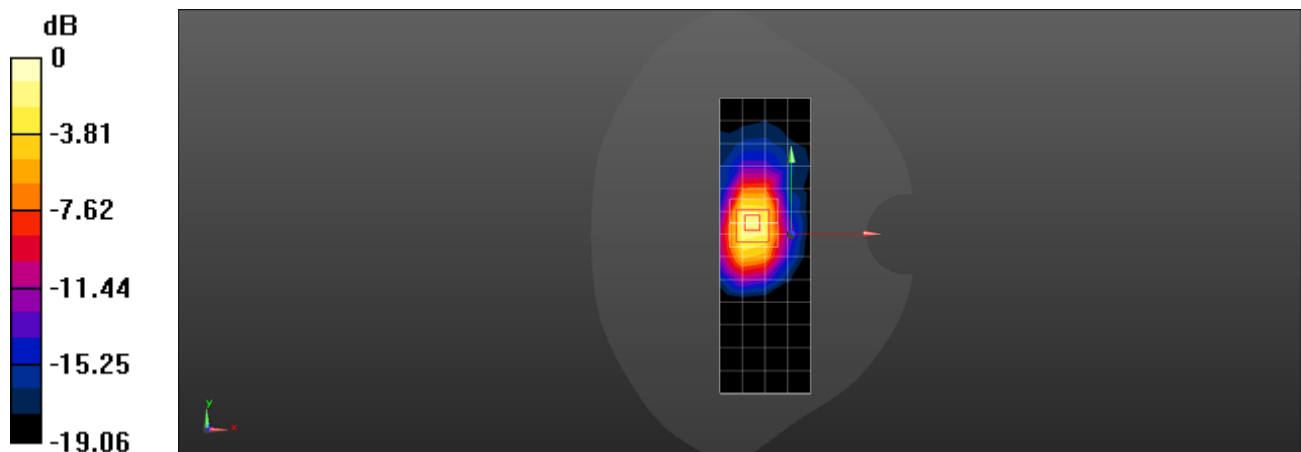
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.15 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.690 W/kg; SAR(10 g) = 0.366 W/kg

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



0 dB = 1.01 W/kg = 0.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band II 9400CH Front side 0mm with battery 4

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.539$ S/m; $\epsilon_r = 54.502$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- 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) = 7.58 W/kg

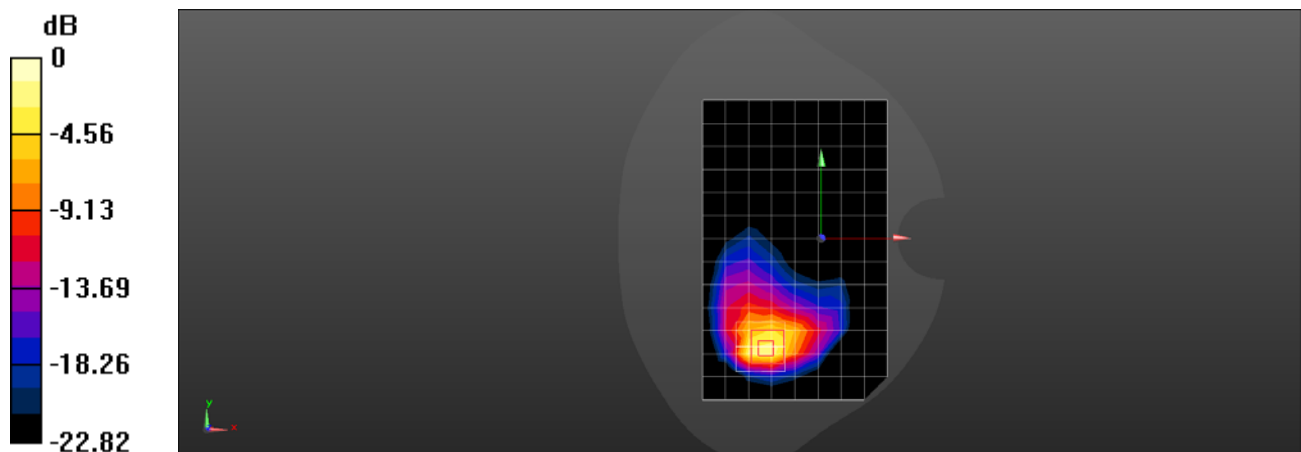
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.298 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 15.3 W/kg

SAR(1 g) = 6.11 W/kg; SAR(10 g) = 2.61 W/kg

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg = 10.65 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band IV 1513CH Left touch with battery 2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1753 \text{ MHz}$; $\sigma = 1.387 \text{ S/m}$; $\epsilon_r = 41.702$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(8.53, 8.53, 8.53); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.492 W/kg

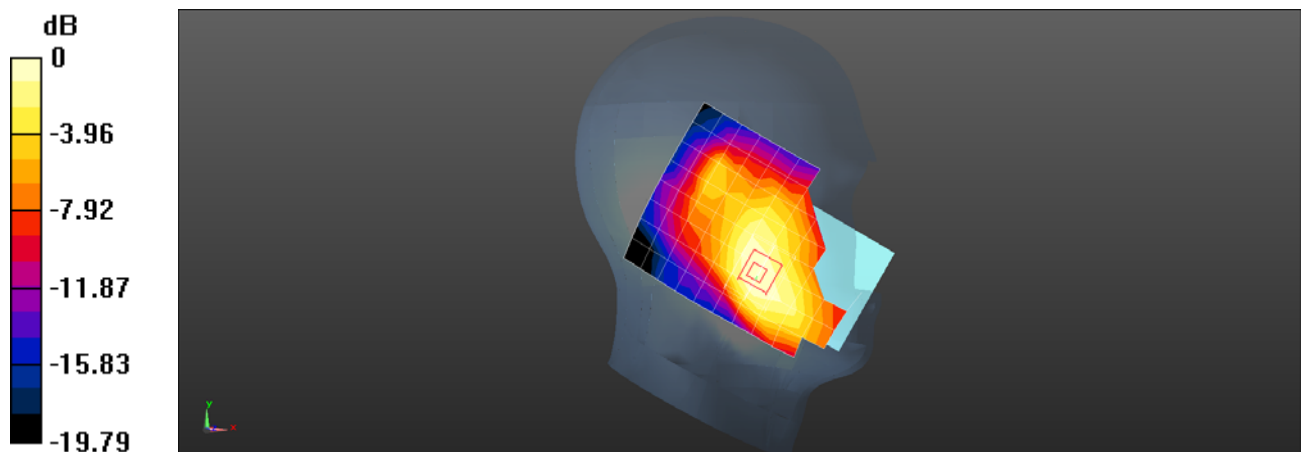
Configuration/Head/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.184 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.396 W/kg ; SAR(10 g) = 0.264 W/kg

Maximum value of SAR (measured) = 0.507 W/kg



$0 \text{ dB} = 0.507 \text{ W/kg} = -2.95 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band IV 1413CH Back side 15mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.444 \text{ S/m}$; $\epsilon_r = 53.953$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.410 W/kg

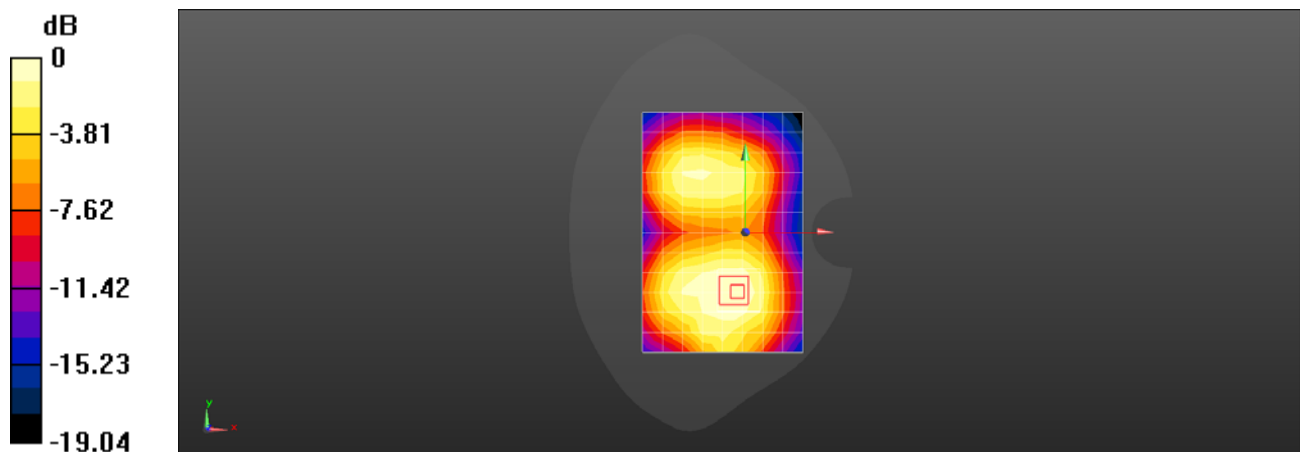
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.910 V/m ; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.312 W/kg ; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 0.393 W/kg



0 dB = 0.410 W/kg = -3.87 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band IV 1413CH Back side 10mm with battery 2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.444 \text{ S/m}$; $\epsilon_r = 53.953$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.489 W/kg

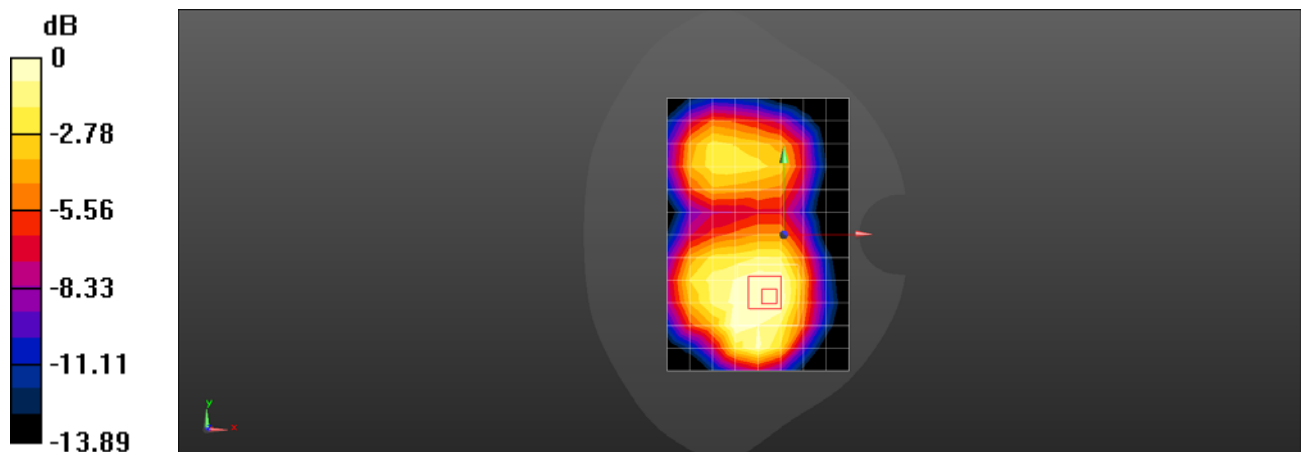
Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.468 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.555 W/kg

SAR(1 g) = 0.381 W/kg ; SAR(10 g) = 0.264 W/kg

Maximum value of SAR (measured) = 0.500 W/kg



$0 \text{ dB} = 0.500 \text{ W/kg} = -3.01 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band V 4182CH Right touch with Battery 4

DUT: BLL-L23; Type: Smart Phone; Serial: SAR1

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; $\sigma = 0.912$ S/m; $\epsilon_r = 40.855$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3071; ConvF(5.59, 5.59, 5.59); Calibrated: 2015/9/28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016/4/20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- 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

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

Maximum value of SAR (measured) = 0.319 W/kg

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

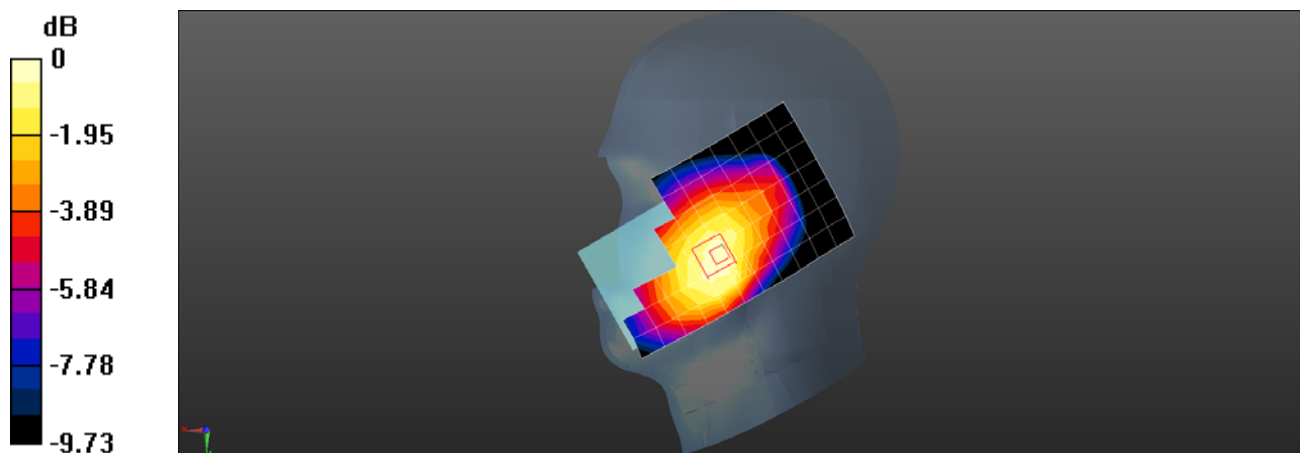
Reference Value = 11.03 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.225 W/kg

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

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band V 4182CH Back side 15mm with Battery 3

DUT: BLL-L23; Type: Smart Phone; Serial: SAR1

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; $\sigma = 1.005$ S/m; $\epsilon_r = 55.626$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3071; ConvF(5.74, 5.74, 5.74); Calibrated: 2015/9/28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016/4/20
- ε Phantom: SAM2; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

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

Maximum value of SAR (measured) = 0.433 W/kg

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

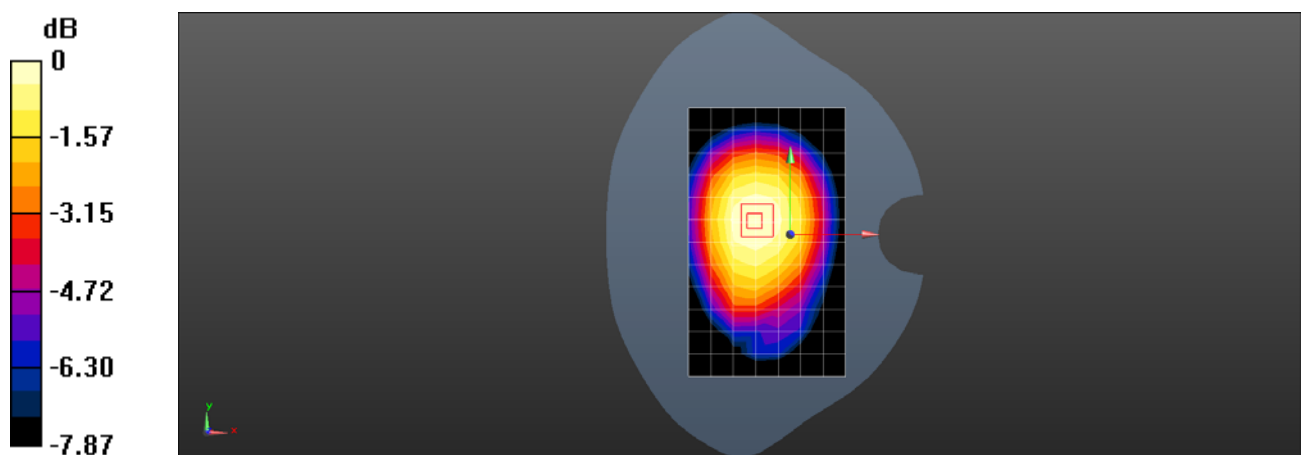
Reference Value = 20.94 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.299 W/kg

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

Maximum value of SAR (measured) = 0.435 W/kg



0 dB = 0.435 W/kg = -3.61 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 UMTS Band V 4182CH Right side 10mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR1

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; $\sigma = 1.005$ S/m; $\epsilon_r = 55.626$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3071; ConvF(5.74, 5.74, 5.74); Calibrated: 2015/9/28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016/4/20
- ε Phantom: SAM2; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (5x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.591 W/kg

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

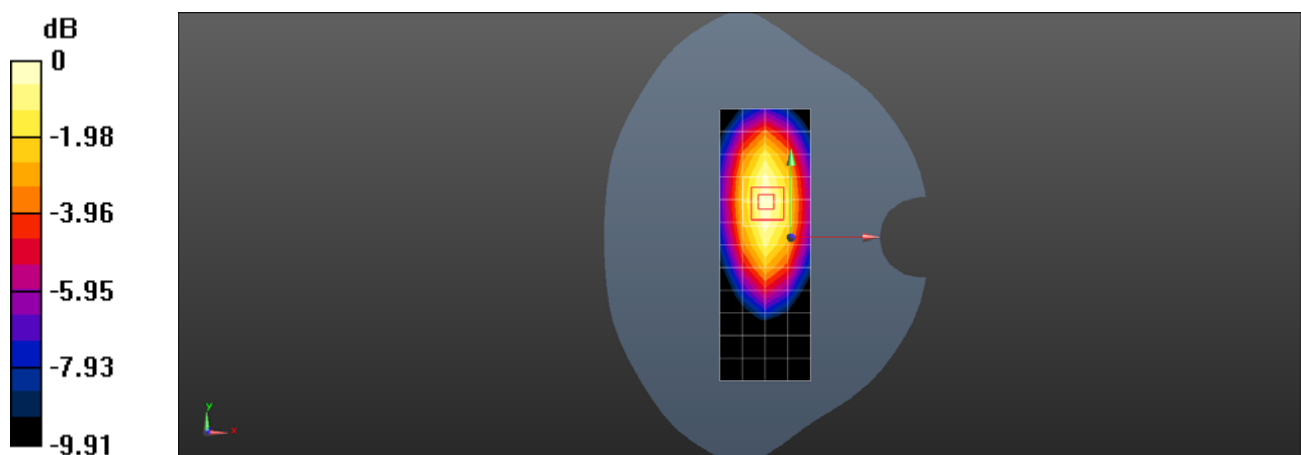
Reference Value = 22.99 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.747 W/kg

SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.345 W/kg

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

Maximum value of SAR (measured) = 0.596 W/kg



0 dB = 0.596 W/kg = -2.25 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band II 20M QPSK 1RB 50 offset 18900CH Left touch with battery4

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.416 \text{ S/m}$; $\epsilon_r = 40.846$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(8.17, 8.17, 8.17); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.523 W/kg

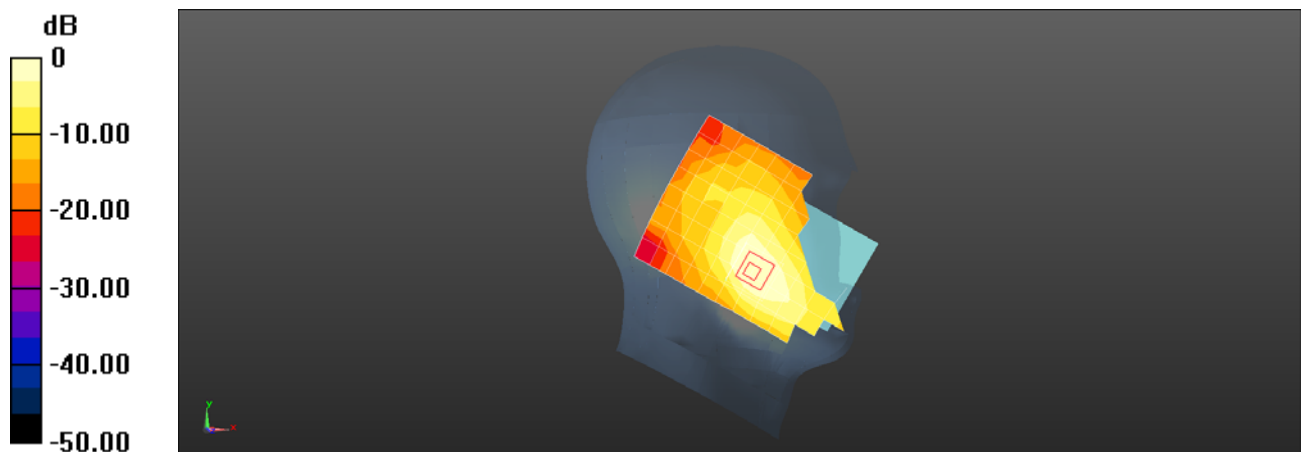
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.820 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.597 W/kg

SAR(1 g) = 0.394 W/kg ; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.517 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band II 20M QPSK 1RB 50 offset 19100CH Back side 15mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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; $\sigma = 1.561$ S/m; $\epsilon_r = 53.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- 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) = 0.341 W/kg

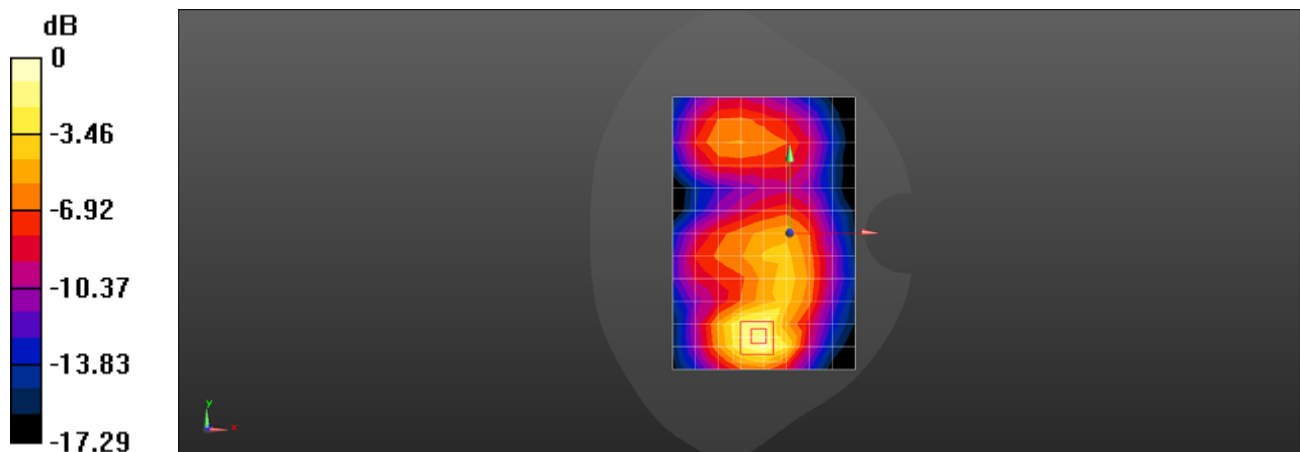
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.744 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.168 W/kg

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



0 dB = 0.419 W/kg = -3.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band II 20M QPSK 1RB 50 offset 18900CH Bottom side 10mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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; $\sigma = 1.554$ S/m; $\epsilon_r = 53.406$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

Maximum value of SAR (measured) = 0.486 W/kg

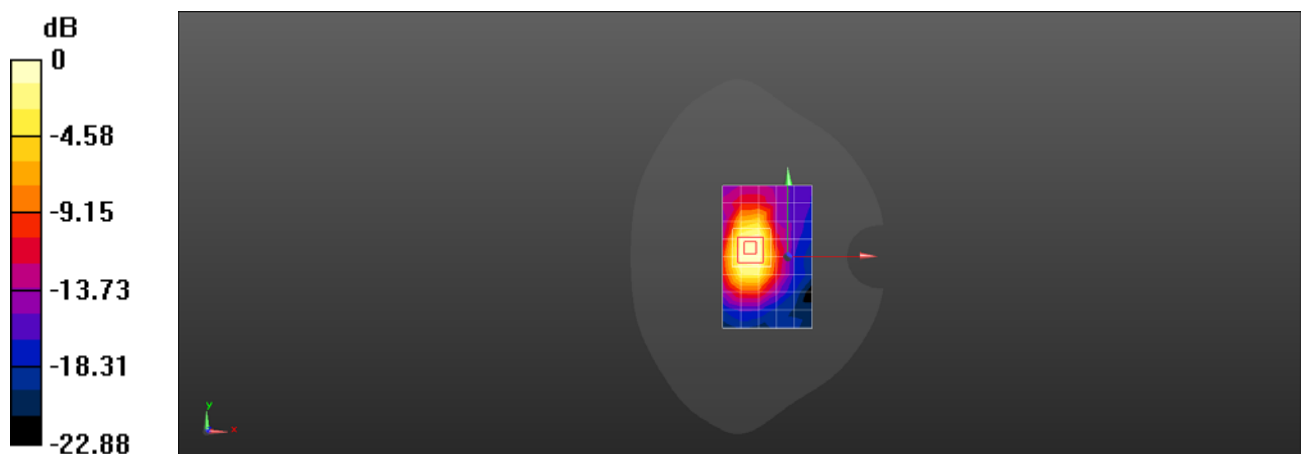
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.811 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.868 W/kg

SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.757 W/kg



0 dB = 0.486 W/kg = -3.13 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band II 20M QPSK 1RB 50 offset 19100CH Bottom side 0mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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; $\sigma = 1.561$ S/m; $\epsilon_r = 53.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.92, 7.92, 7.92); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- 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) = 3.20 W/kg

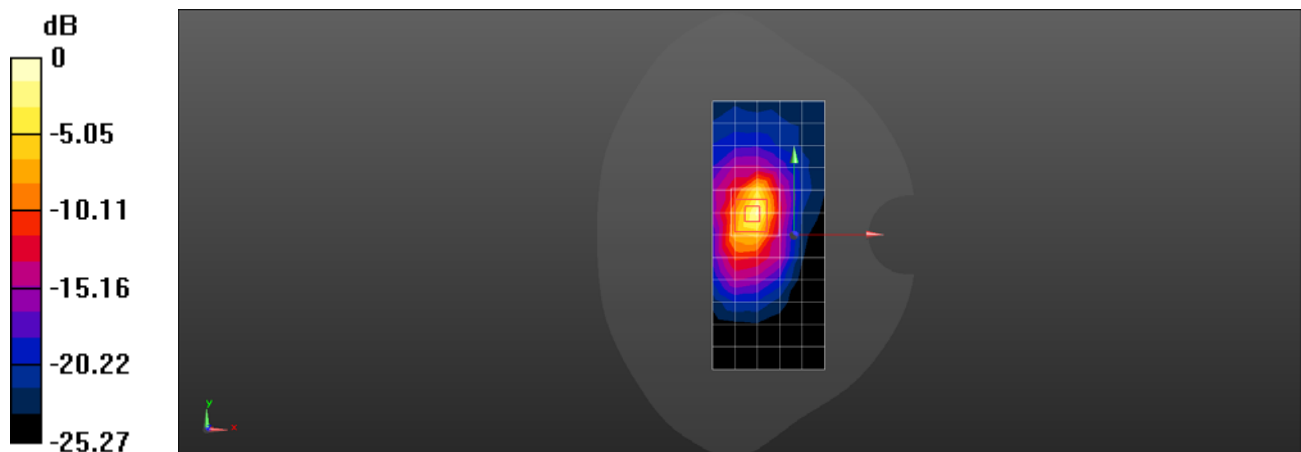
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.07 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 5.00 W/kg

SAR(1 g) = 2.03 W/kg; SAR(10 g) = 0.812 W/kg

Maximum value of SAR (measured) = 4.04 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band IV 20M QPSK 1RB 50 offset 20175CH Left touch with battery2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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; $\sigma = 1.375$ S/m; $\epsilon_r = 41.727$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN7346; ConvF(8.53, 8.53, 8.53); Calibrated: 2016/6/23;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ⌘ Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ⌘ DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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) = 0.471 W/kg

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

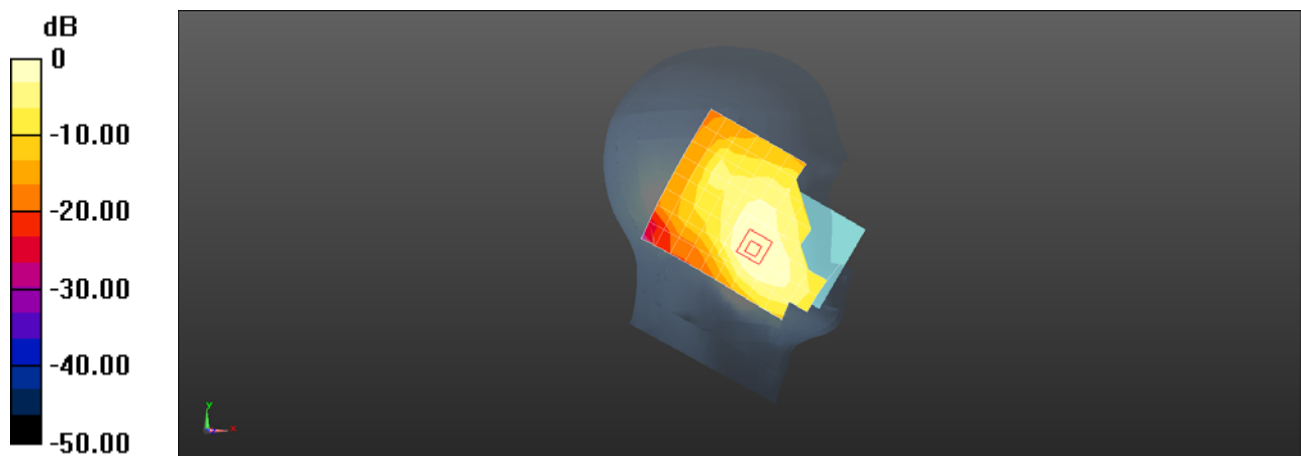
Reference Value = 6.024 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.268 W/kg

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

Maximum value of SAR (measured) = 0.512 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band IV 20M QPSK 1RB 50offset 20050CH Back side 15mm with battery3

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.436$ S/m; $\epsilon_r = 53.971$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- 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) = 0.383 W/kg

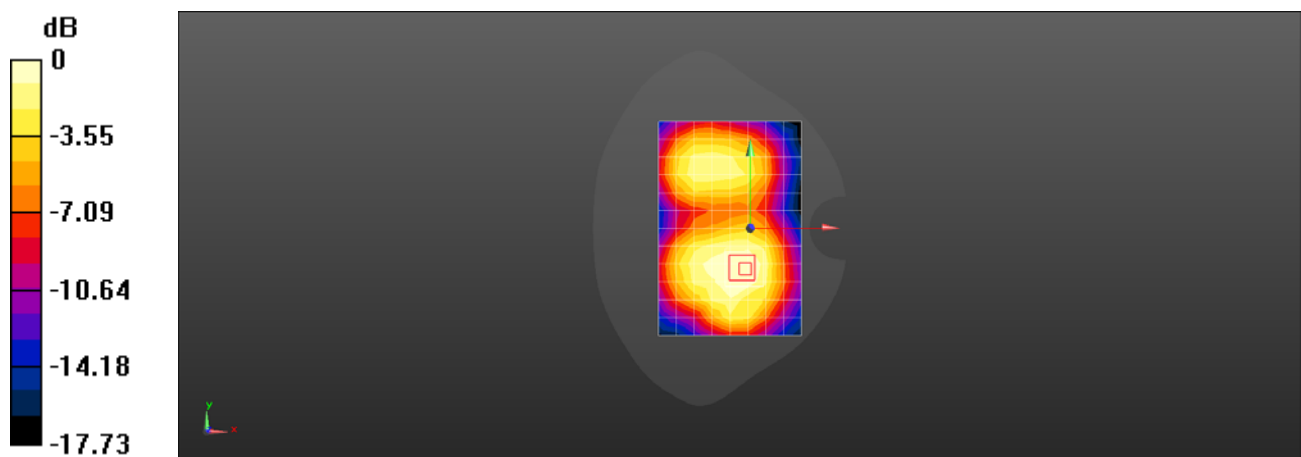
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.431 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.366 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band IV 20M QPSK 1RB 50offset 20050CH Back side 10mm with battery 2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.436$ S/m; $\epsilon_r = 53.971$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- 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) = 0.608 W/kg

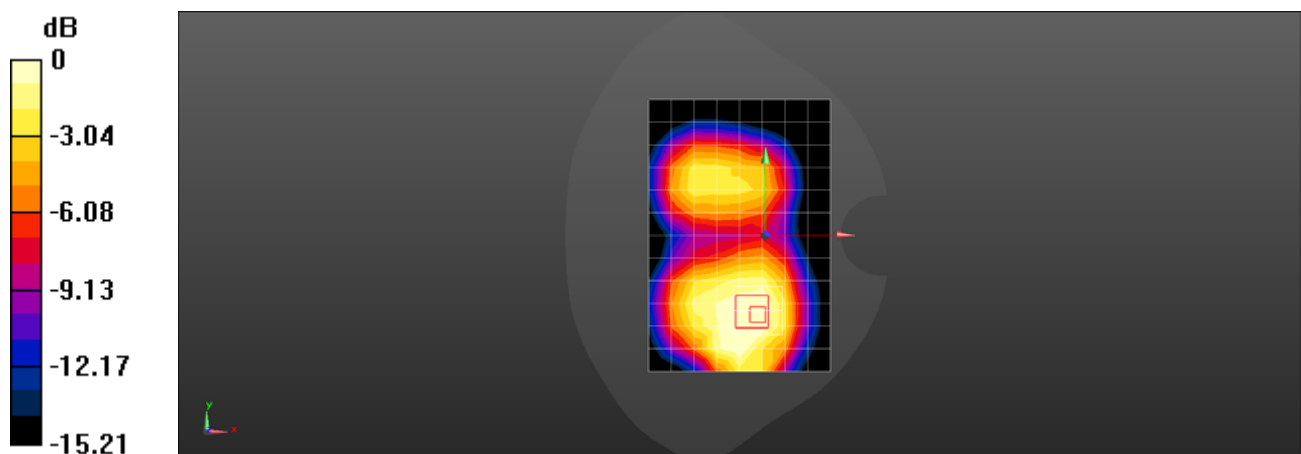
Configuration/Body/Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.038 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.304 W/kg

Maximum value of SAR (measured) = 0.592 W/kg



0 dB = 0.592 W/kg = -2.27 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band V 10M QPSK 1RB 25 offset 20525H Right touch with battery 3

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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; $\sigma = 0.93$ S/m; $\epsilon_r = 43.31$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(10.26, 10.26, 10.26); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- 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

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

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

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

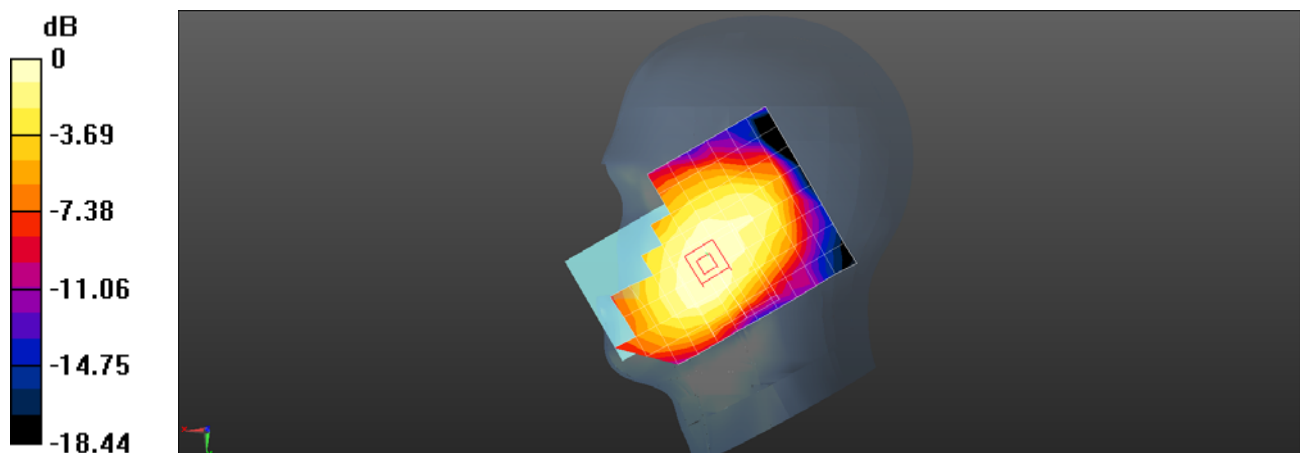
Reference Value = 9.449 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.143 W/kg

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

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



0 dB = 0.201 W/kg = -6.96 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band V 10M QPSK 1RB 25 offset 20450CH Back side 15mm with battery4

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.986 \text{ S/m}$; $\epsilon_r = 54.156$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(9.87, 9.87, 9.87); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.366 W/kg

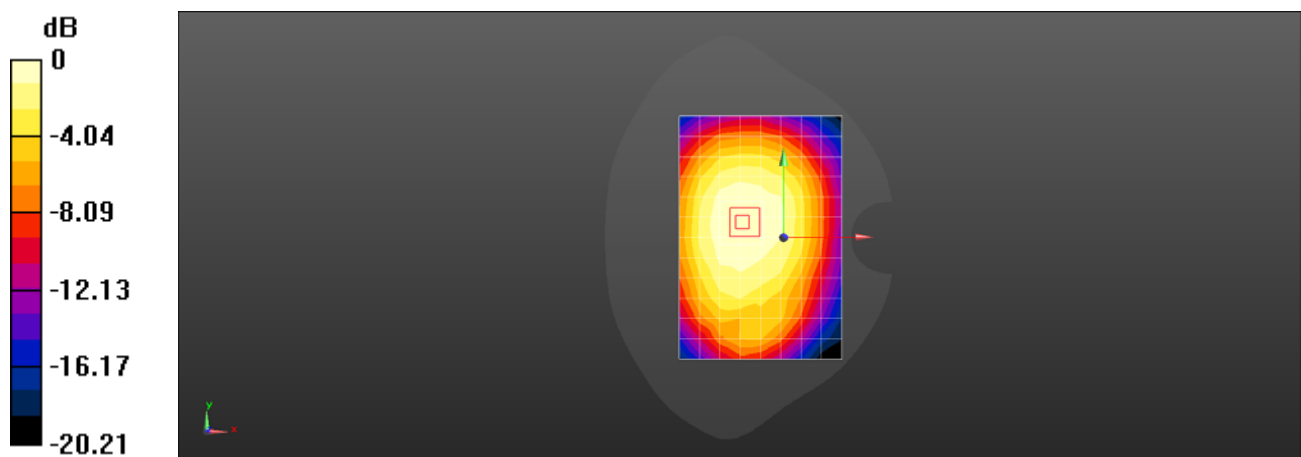
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.98 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.308 W/kg ; SAR(10 g) = 0.241 W/kg

Maximum value of SAR (measured) = 0.356 W/kg



0 dB = $0.366 \text{ W/kg} = -4.36 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band V 10M QPSK 1RB 25 offset 20450CH Right side 10mm with battery2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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

Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.986 \text{ S/m}$; $\epsilon_r = 54.156$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(9.87, 9.87, 9.87); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.446 W/kg

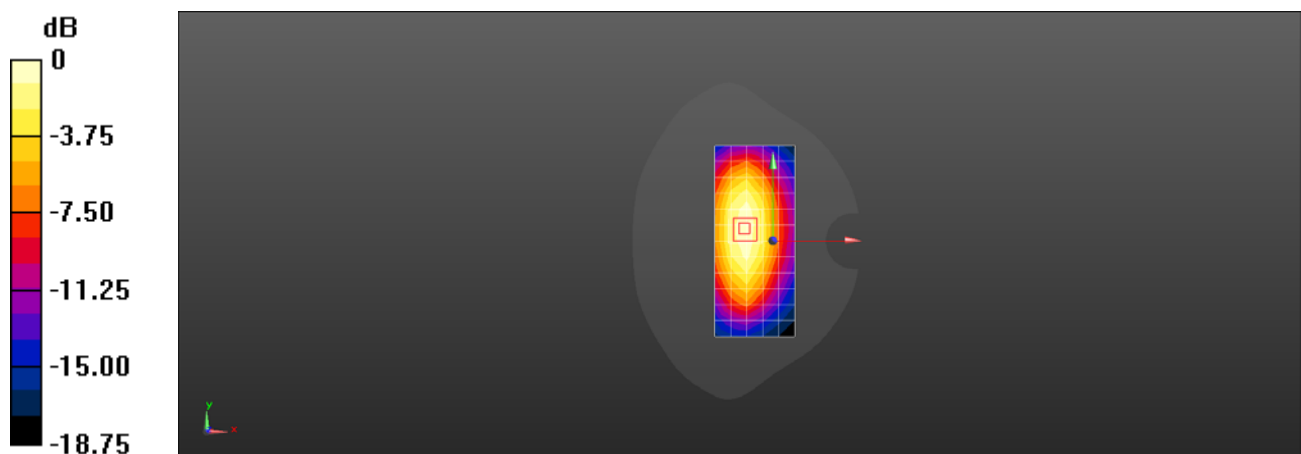
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.91 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.342 W/kg ; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.432 W/kg



0 dB = 0.446 W/kg = -3.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band VII 20M QPSK 1RB 50 offset 21100CH Right touch with battery 2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

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; $\sigma = 1.836$ S/m; $\epsilon_r = 40.06$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.16, 7.16, 7.16); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.404 W/kg

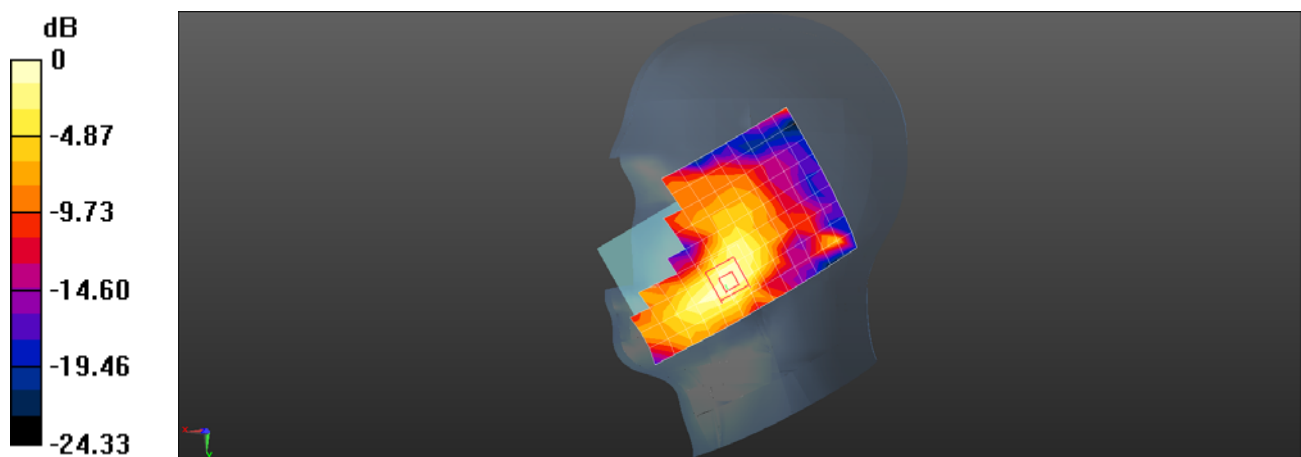
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.252 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg = -4.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band VII 20M QPSK 1RB 50 offset 20850CH Back side 15mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2510$ MHz; $\sigma = 2.114$ S/m; $\epsilon_r = 51.99$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.28, 7.28, 7.28); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.359 W/kg

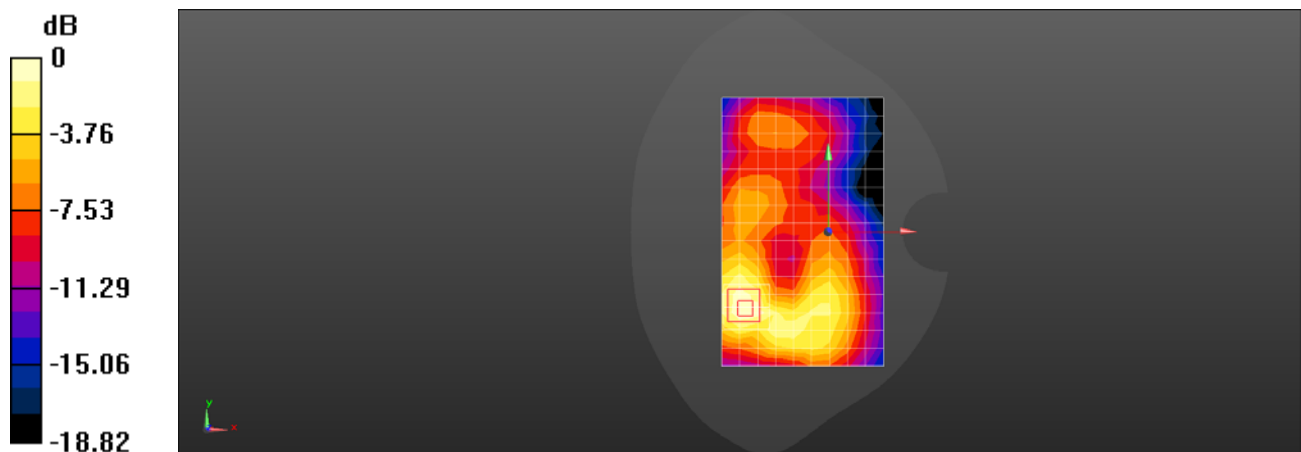
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.319 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.378 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band VII 20M QPSK 1RB 50 offset 20850CH Bottom side 10mm with battery2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2510$ MHz; $\sigma = 2.114$ S/m; $\epsilon_r = 51.99$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.28, 7.28, 7.28); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (6x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.720 W/kg

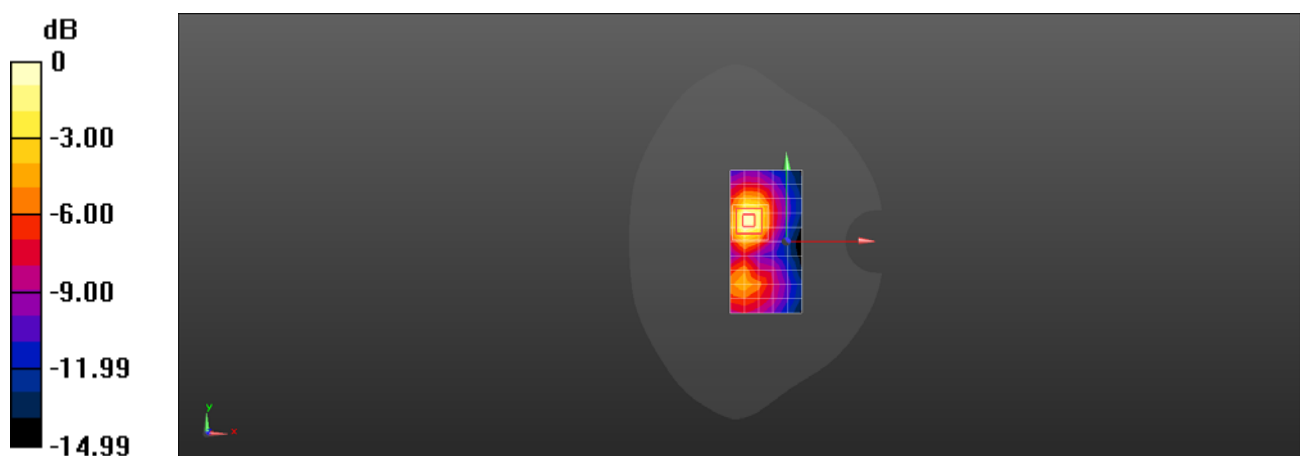
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.693 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.720 W/kg = -1.43 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Left touch

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 43.157$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Head/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

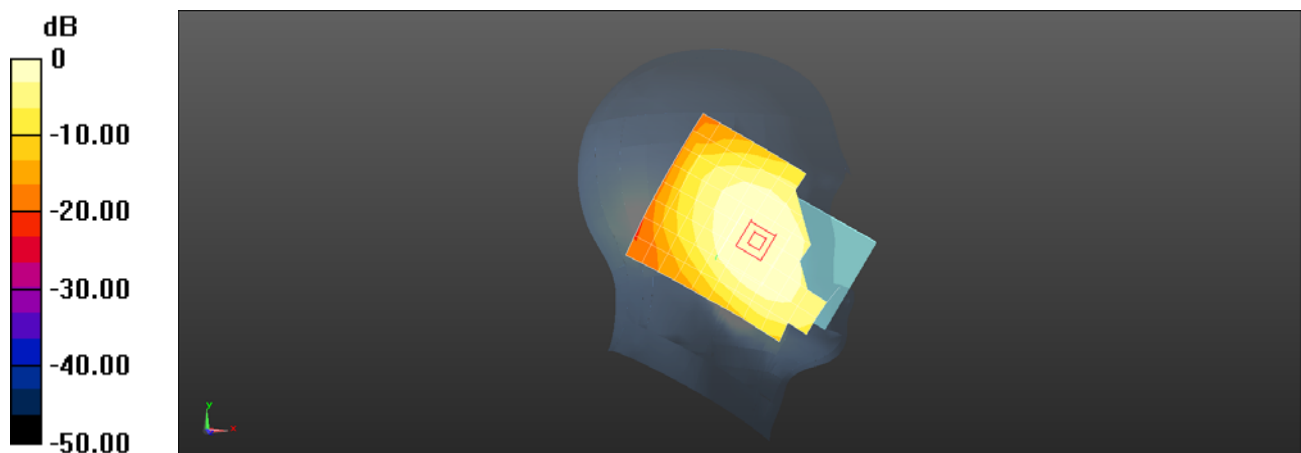
Maximum value of SAR (measured) = 0.182 W/kg

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

Reference Value = 5.684 V/m ; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.163 W/kg ; SAR(10 g) = 0.130 W/kg



$0 \text{ dB} = 0.182 \text{ W/kg} = -7.39 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Right side 10mm with battery 2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.966 \text{ S/m}$; $\epsilon_r = 54.446$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(10.06, 10.06, 10.06); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.369 W/kg

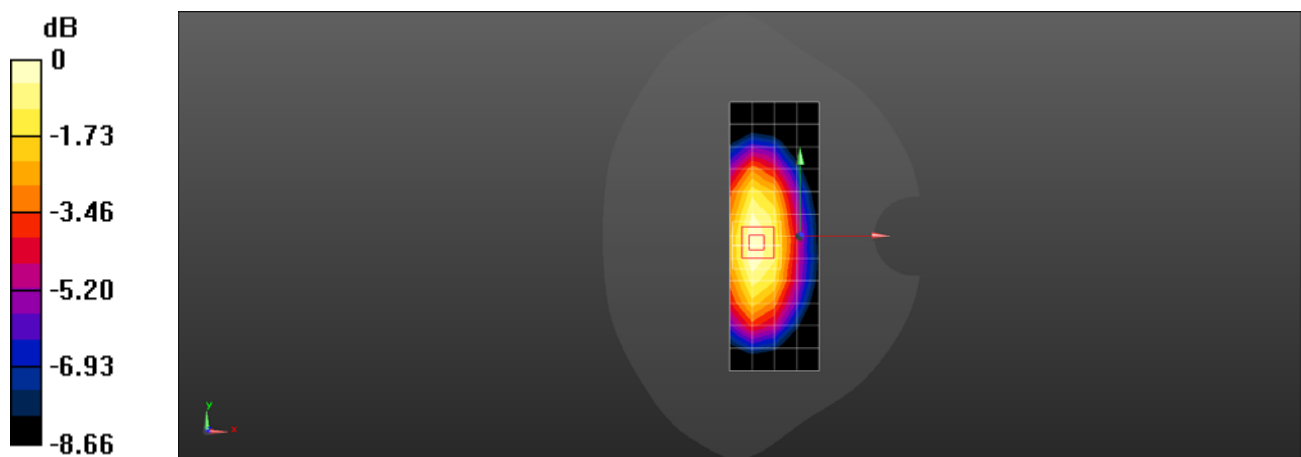
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.63 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.291 W/kg ; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.365 W/kg



0 dB = 0.365 W/kg = -4.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Back side 15mm with battery2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.966 \text{ S/m}$; $\epsilon_r = 54.446$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(10.06, 10.06, 10.06); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.278 W/kg

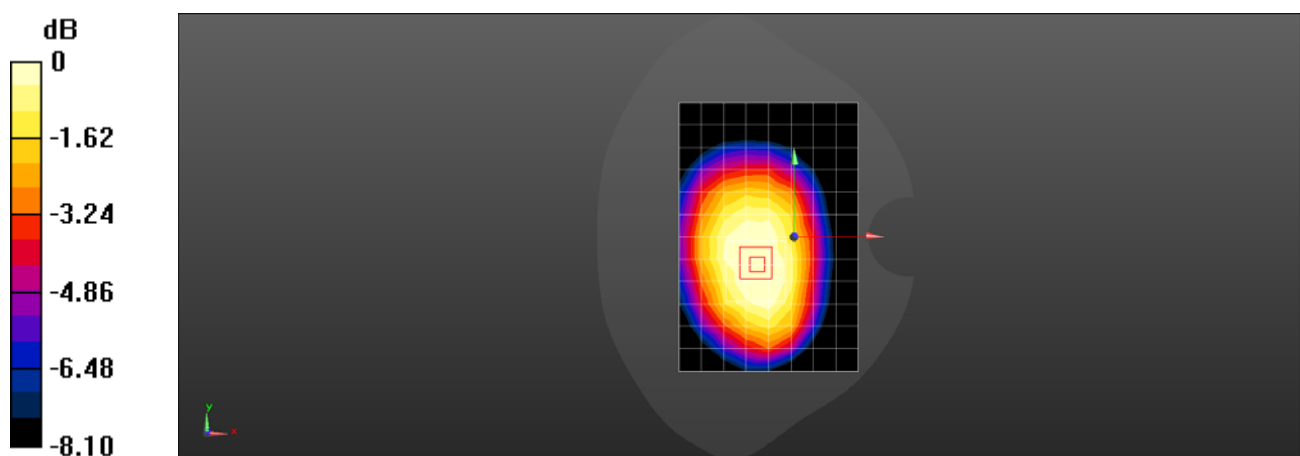
Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.00 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.234 W/kg ; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.267 W/kg



0 dB = 0.267 W/kg = -5.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 2.4G WiFi 802.11b 1CH Left touch with Battery 2

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.724$ S/m; $\epsilon_r = 38.464$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.36, 7.36, 7.36); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

Maximum value of SAR (measured) = 1.42 W/kg

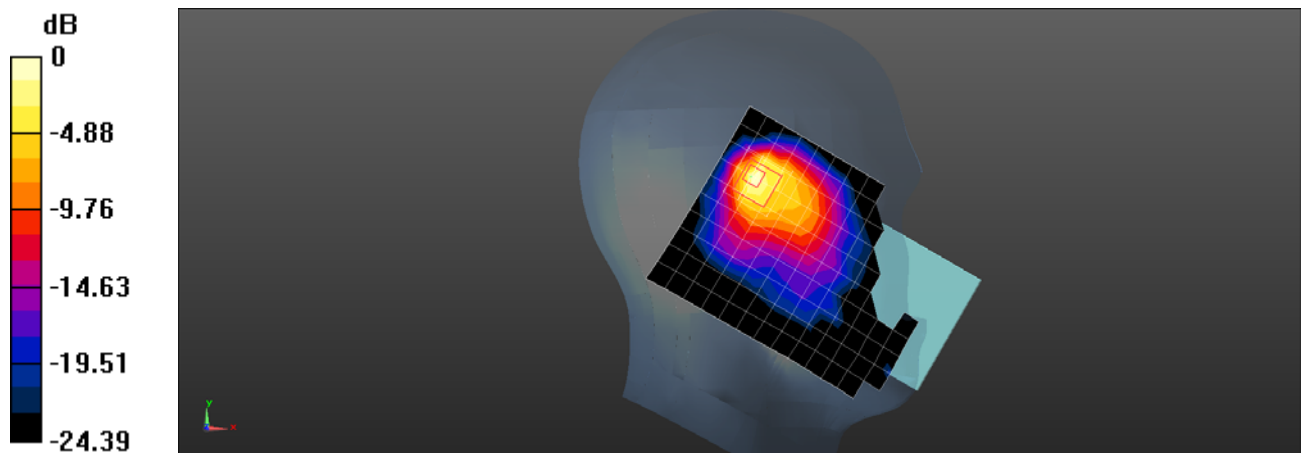
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.860 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 2.4G WiFi 802.11b 6CH Front side 15mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.937$ S/m; $\epsilon_r = 53.968$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.55, 7.55, 7.55); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

Maximum value of SAR (measured) = 0.0896 W/kg

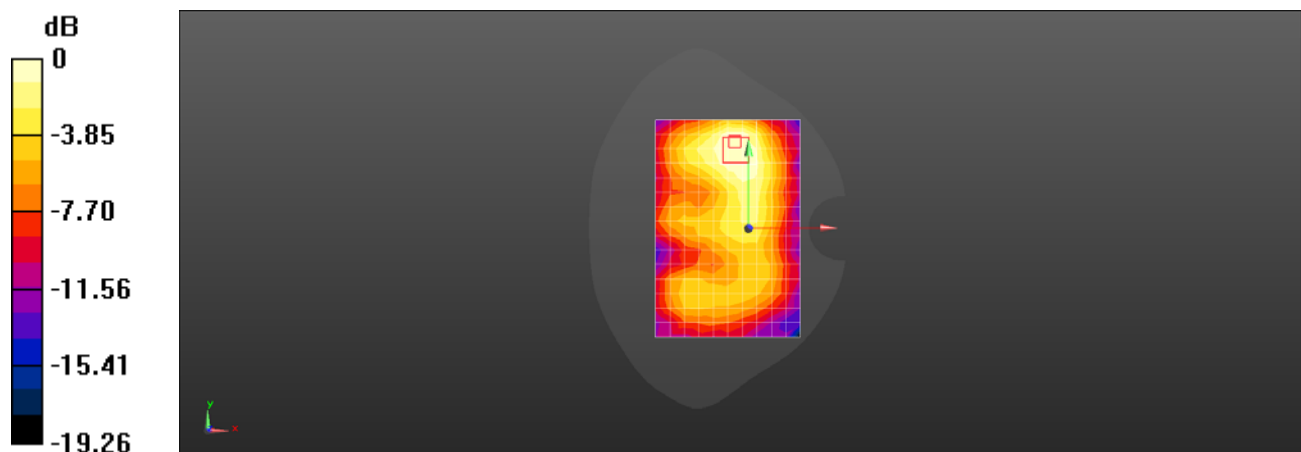
Configuration/Body/Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.638 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.038 W/kg

Maximum value of SAR (measured) = 0.0991 W/kg



0 dB = 0.0896 W/kg = -10.48 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

BLL-L23 2.4G WiFi 802.11b 6CH Front side 10mm

DUT: BLL-L23; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.937$ S/m; $\epsilon_r = 53.968$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7346; ConvF(7.55, 7.55, 7.55); Calibrated: 2016/6/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn914; Calibrated: 2016/1/7
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

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

Maximum value of SAR (measured) = 0.231 W/kg

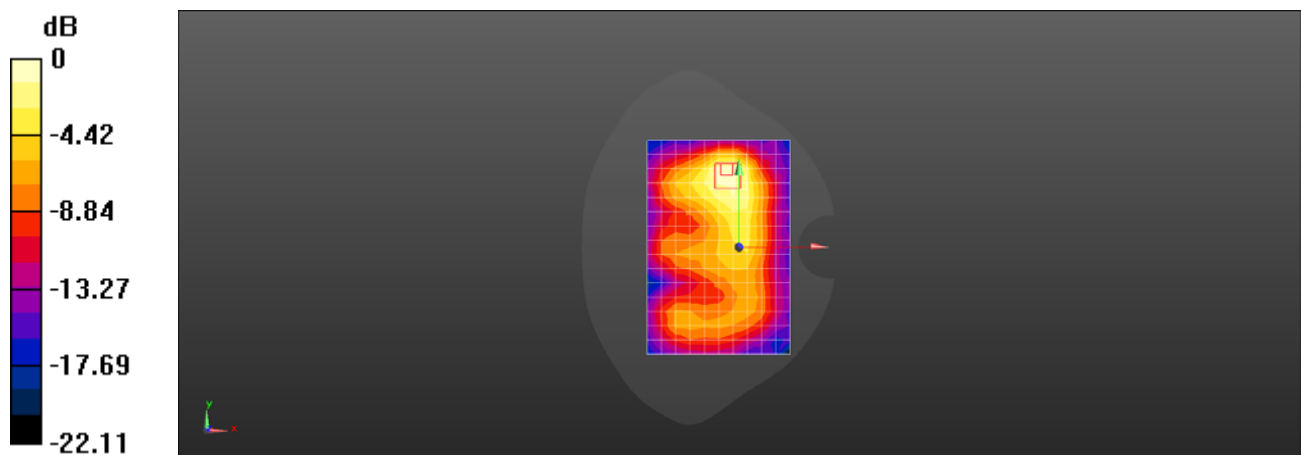
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.974 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.241 W/kg



0 dB = 0.231 W/kg = -6.36 dBW/kg