

**Appendix B. SAR Measurement Plots**

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Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM850 190CH Right Touch-Second Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 0.908$ S/m; $\epsilon_r = 43.341$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 0.577 W/kg

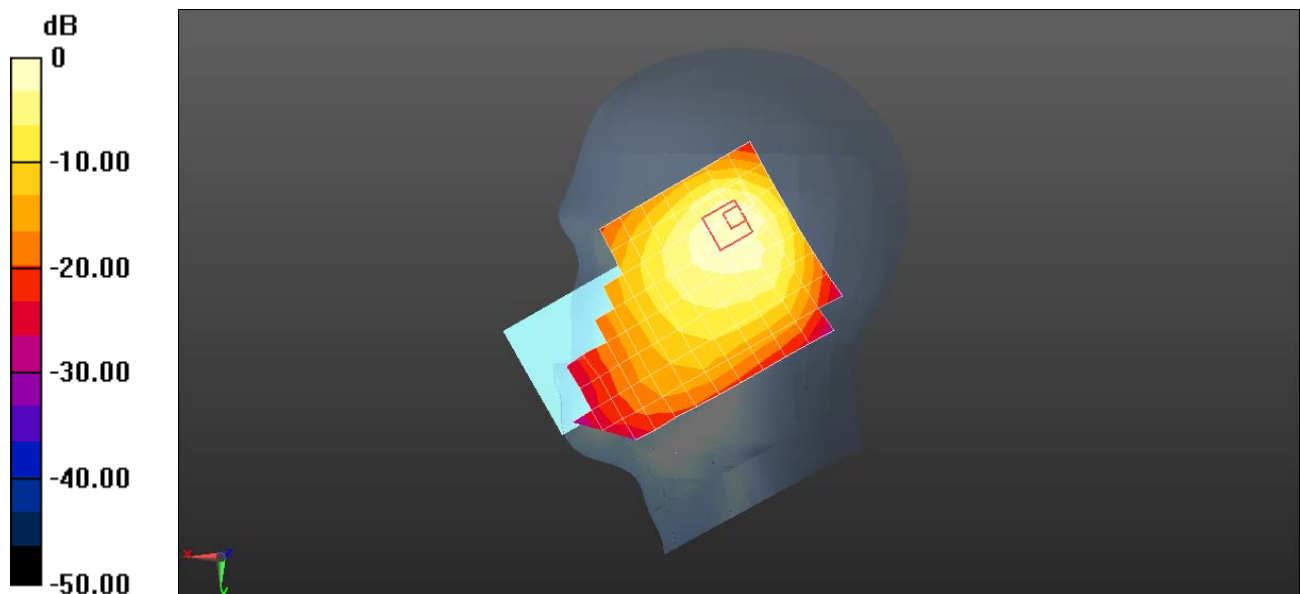
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.81 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.918 W/kg

SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.542 W/kg



0 dB = 0.577 W/kg = -2.39 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM850 190CH Back Side 15mm with Battery 3-Second Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 0.999$ S/m; $\epsilon_r = 56.885$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- 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) = 0.253 W/kg

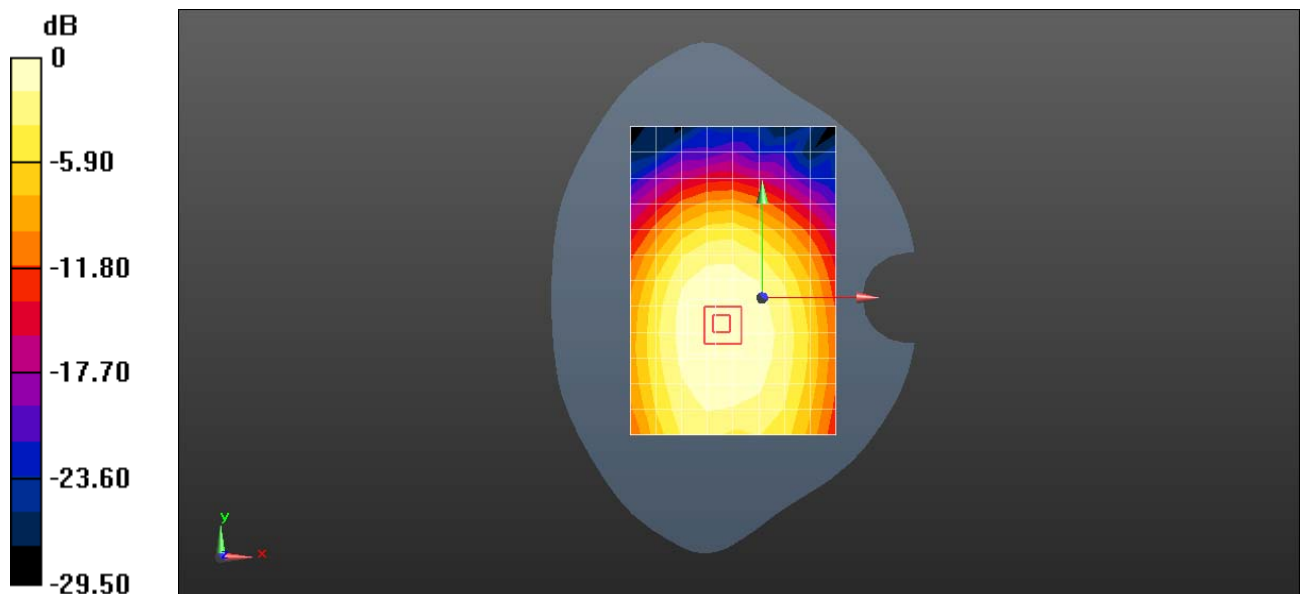
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.70 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.256 W/kg



0 dB = 0.253 W/kg = -5.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM850 GPRS 2TS 190CH Left Side 10mm with Battery3-Second Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 0.999$ S/m; $\epsilon_r = 56.885$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.184 W/kg

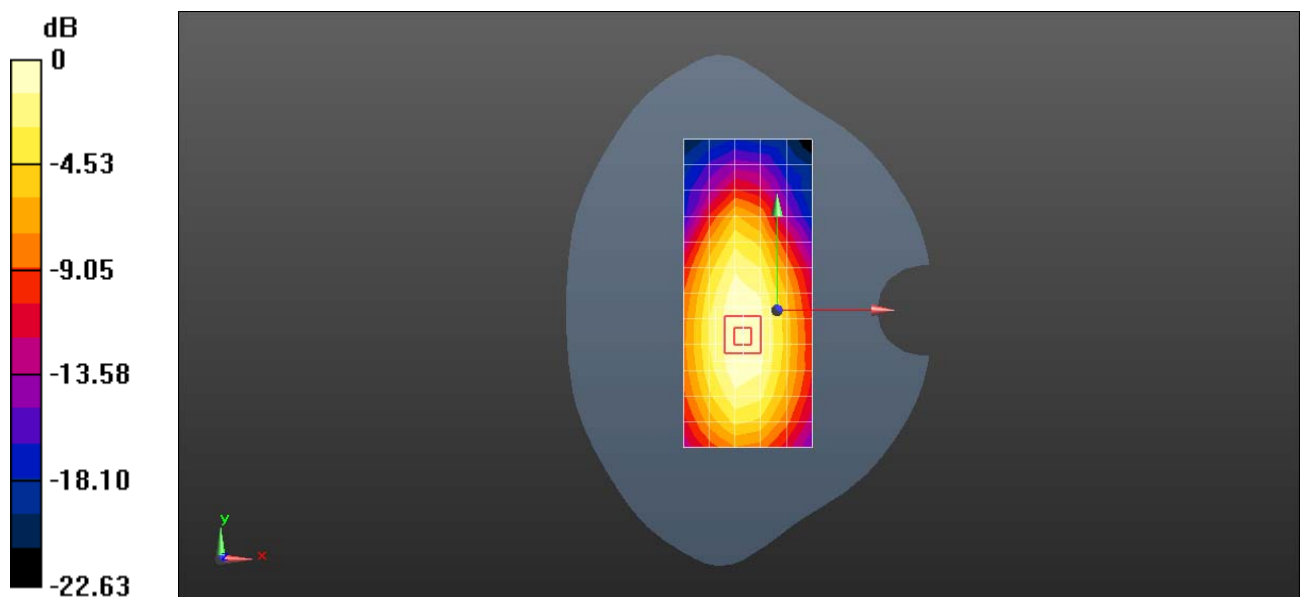
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.89 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.184 W/kg = -7.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM1900 661CH Right Tilt with Battery3-Second Antenna

DUT: ANE-LX1; 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; $\sigma = 1.452$ S/m; $\epsilon_r = 40.203$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 0.718 W/kg

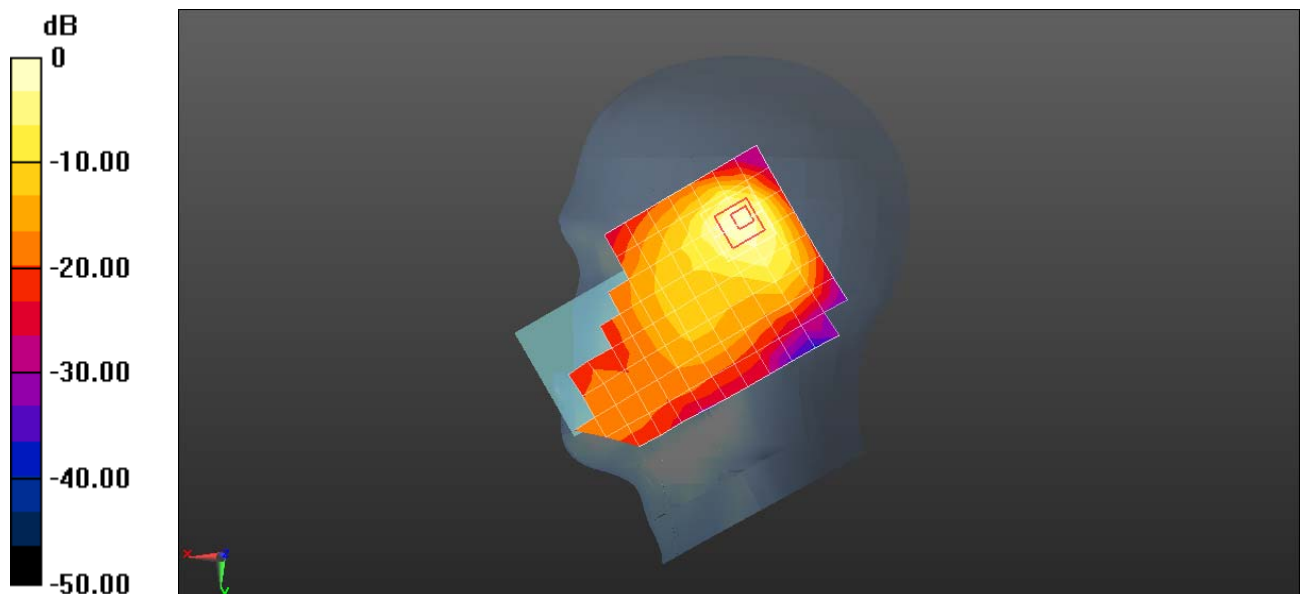
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.09 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.246 W/kg

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



0 dB = 0.718 W/kg = -1.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM1900 661CH Back Side 15mm with Battery3-Second Antenna

DUT: ANE-LX1; 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; $\sigma = 1.476$ S/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.7, 7.7, 7.7); Calibrated: 2017-7-24;
- 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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0625 W/kg

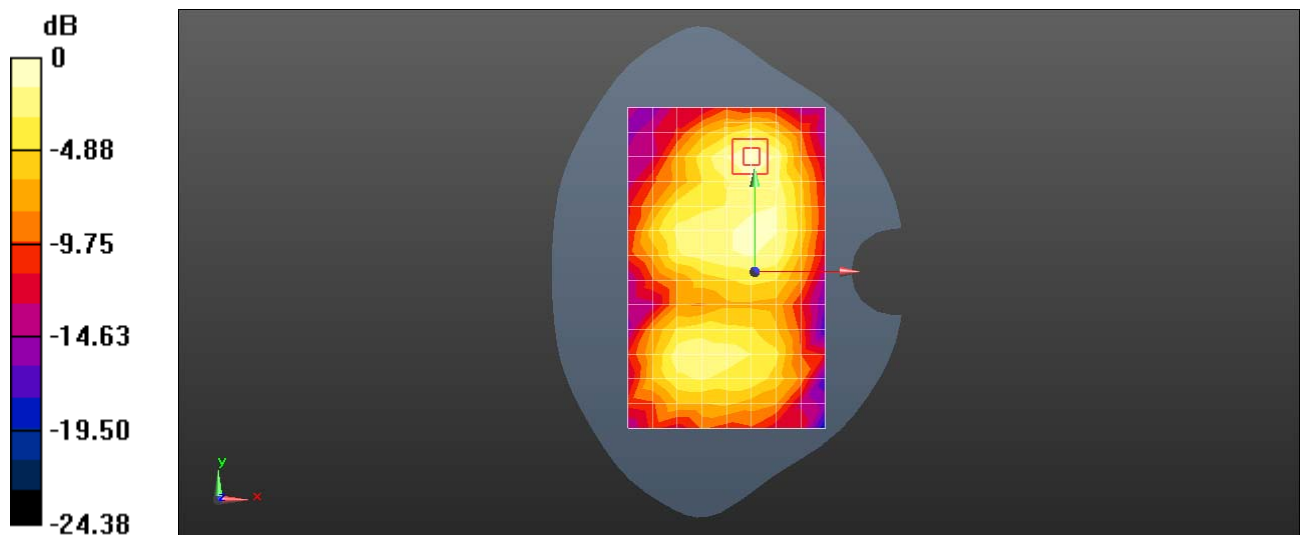
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.386 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0750 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.023 W/kg

Maximum value of SAR (measured) = 0.0626 W/kg



0 dB = 0.0626 W/kg = -12.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM1900 GPRS 2TS 661CH Top Side 10mm with Battery 2-Second Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ S/m; $\epsilon_r = 52.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.7, 7.7, 7.7); Calibrated: 2017-7-24;
- 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 (6x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.131 W/kg

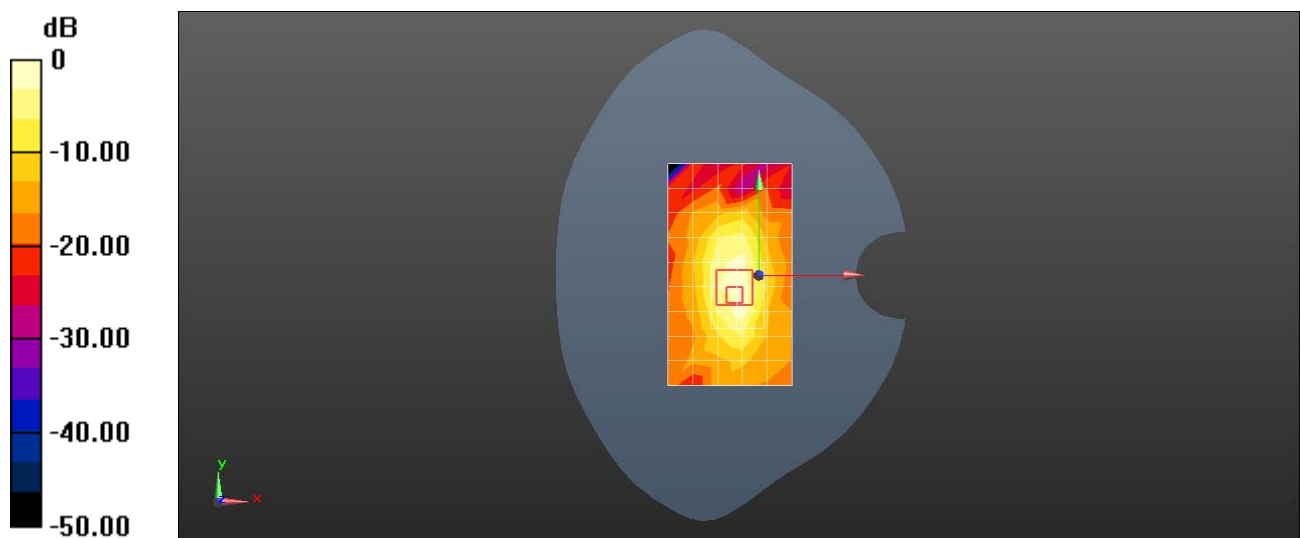
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.18 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.060 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 2 9400CH Right Tilt with Battery2-Second Antenna

DUT: ANE-LX1; 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; $\sigma = 1.454$ S/m; $\epsilon_r = 40.056$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8, 8, 8); Calibrated: 2017-7-24;
- 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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.761 W/kg

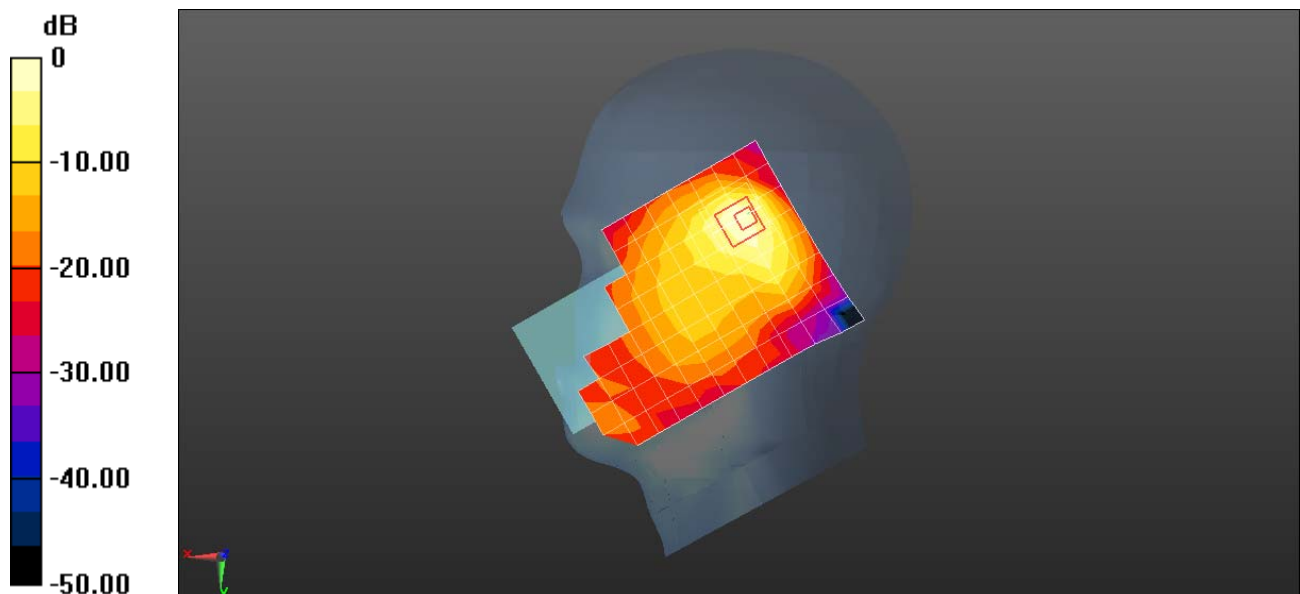
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.88 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.830 W/kg



0 dB = 0.761 W/kg = -1.19 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 2 9400CH Back Side 15mm-Second Antenna

DUT: ANE-LX1; 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; $\sigma = 1.509$ S/m; $\epsilon_r = 52.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.7, 7.7, 7.7); Calibrated: 2017-7-24;
- 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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

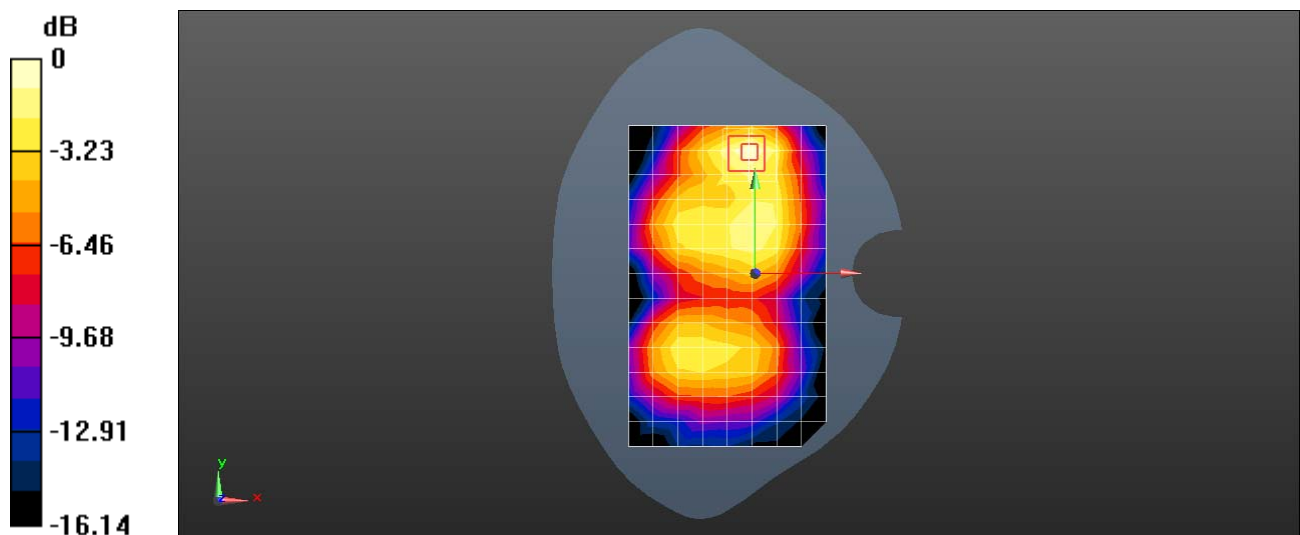
Maximum value of SAR (measured) = 0.184 W/kg

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

Reference Value = 6.458 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.071 W/kg



0 dB = 0.184 W/kg = -7.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 2 9400CH Left Side 10mm with Battery3-Second Antenna

DUT: ANE-LX1; 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; $\sigma = 1.476$ S/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.7, 7.7, 7.7); Calibrated: 2017-7-24;
- 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 (5x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

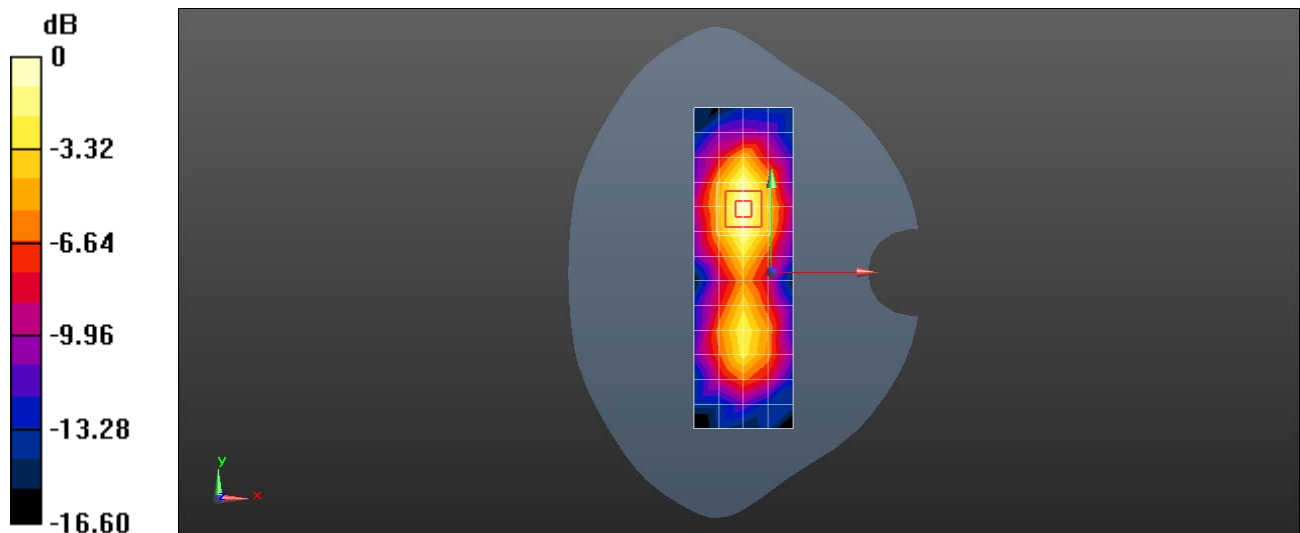
Maximum value of SAR (measured) = 0.154 W/kg

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

Reference Value = 5.768 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.063 W/kg



0 dB = 0.154 W/kg = -8.12 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 5 4233CH Right Touch with Battery2-Second Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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

Medium parameters used: $f = 847$ MHz; $\sigma = 0.912$ S/m; $\epsilon_r = 43.303$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- 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) = 1.00 W/kg

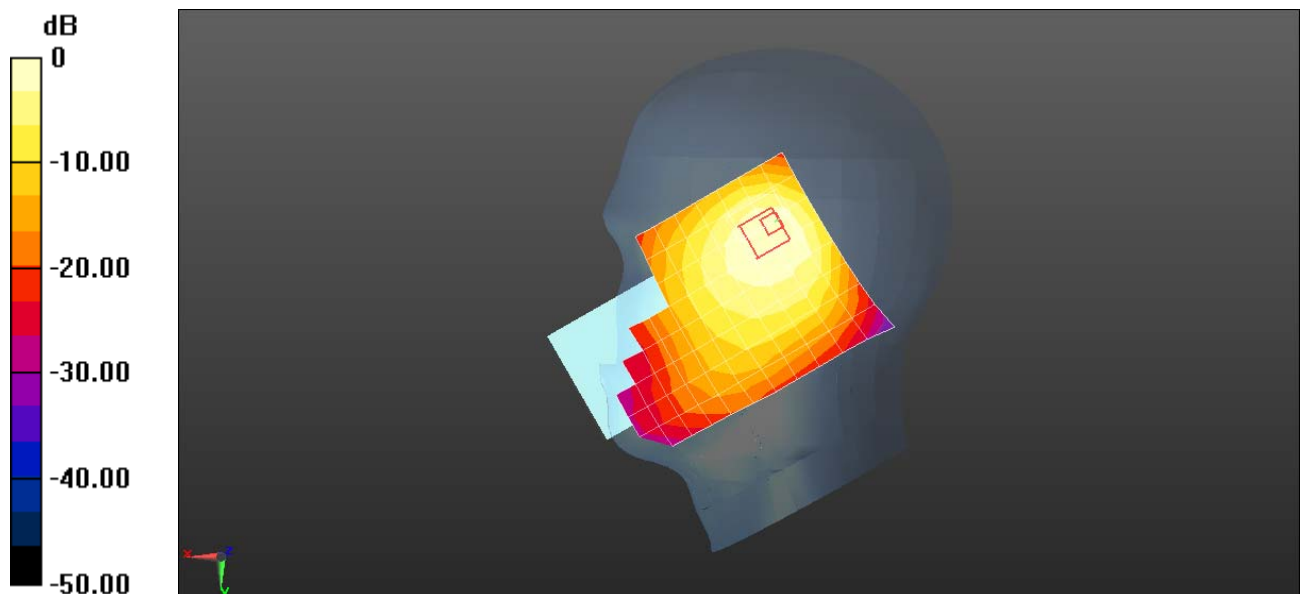
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.40 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.509 W/kg

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 5 4182CH Back Side 15mm with Battery2-Second Antenna

DUT: ANE-LX1; 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; $\sigma = 0.998$ S/m; $\epsilon_r = 56.891$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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) = 0.143 W/kg

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

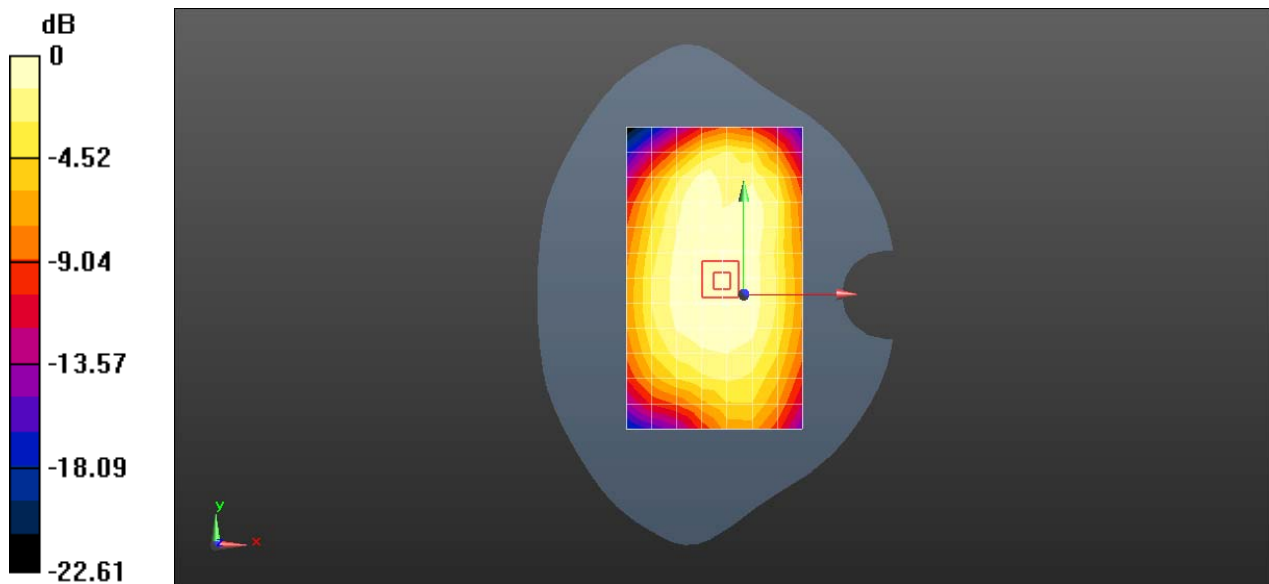
Reference Value = 12.29 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.101 W/kg

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

Maximum value of SAR (measured) = 0.144 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 5 4182CH Back Side 10mm-Second Antenna

DUT: ANE-LX1; 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; $\sigma = 0.998$ S/m; $\epsilon_r = 56.891$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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) = 0.257 W/kg

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

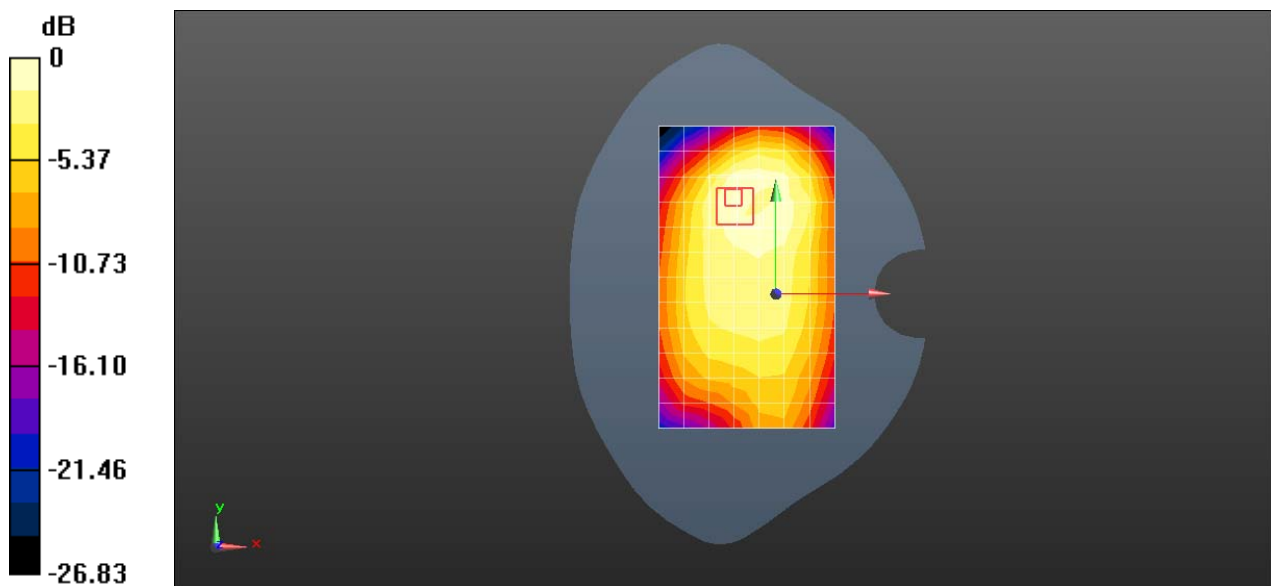
Reference Value = 12.51 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.126 W/kg

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

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



0 dB = 0.257 W/kg = -5.90 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 LTE Band 7 20M QPSK 50%RB 0 offset 20850CH Right Tilt-Second Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

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; $\sigma = 1.88$ S/m; $\epsilon_r = 39.619$; $\rho = 1000$ kg/m³

Phantom section: Right 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 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) = 0.996 W/kg

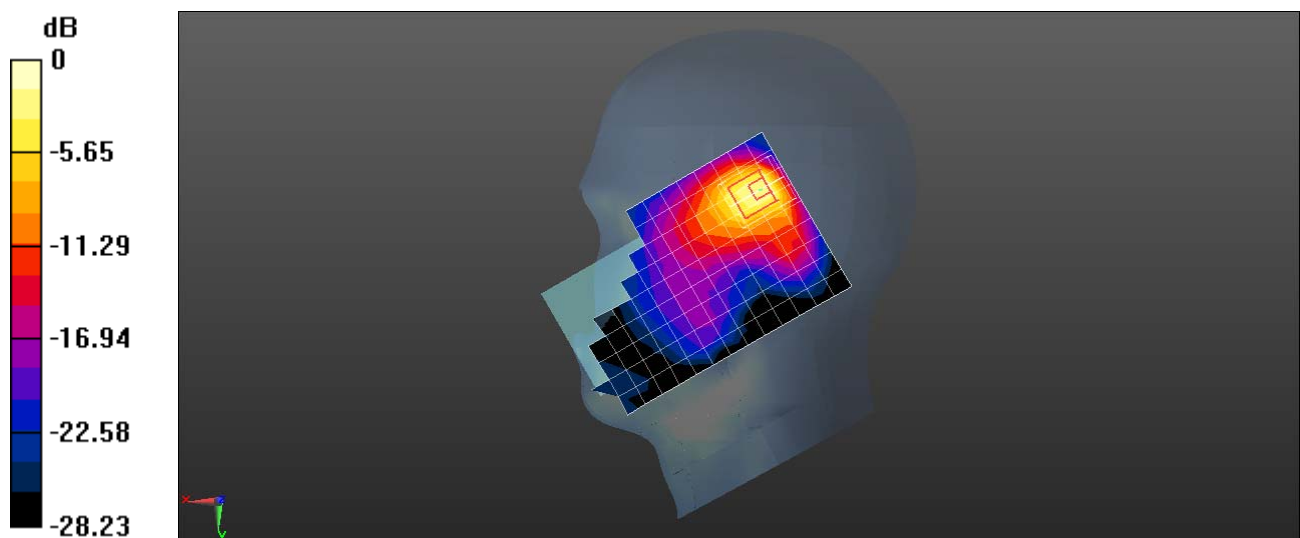
Configuration/Head/Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.514 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.49 W/kg

SAR(1 g) = 0.867 W/kg; SAR(10 g) = 0.368 W/kg

Maximum value of SAR (measured) = 1.86 W/kg



0 dB = 1.86 W/kg = 2.70 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 LTE Band 7 20M QPSK 50%RB 0 Offset 20850CH Back Side 15mm-Second Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 1.998$ S/m; $\epsilon_r = 51.275$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ⌵ Probe: ES3DV3 - SN3168; ConvF(4.31, 4.31, 4.31); Calibrated: 2017-9-28;
- ⌵ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ⌵ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ⌵ DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.281 W/kg

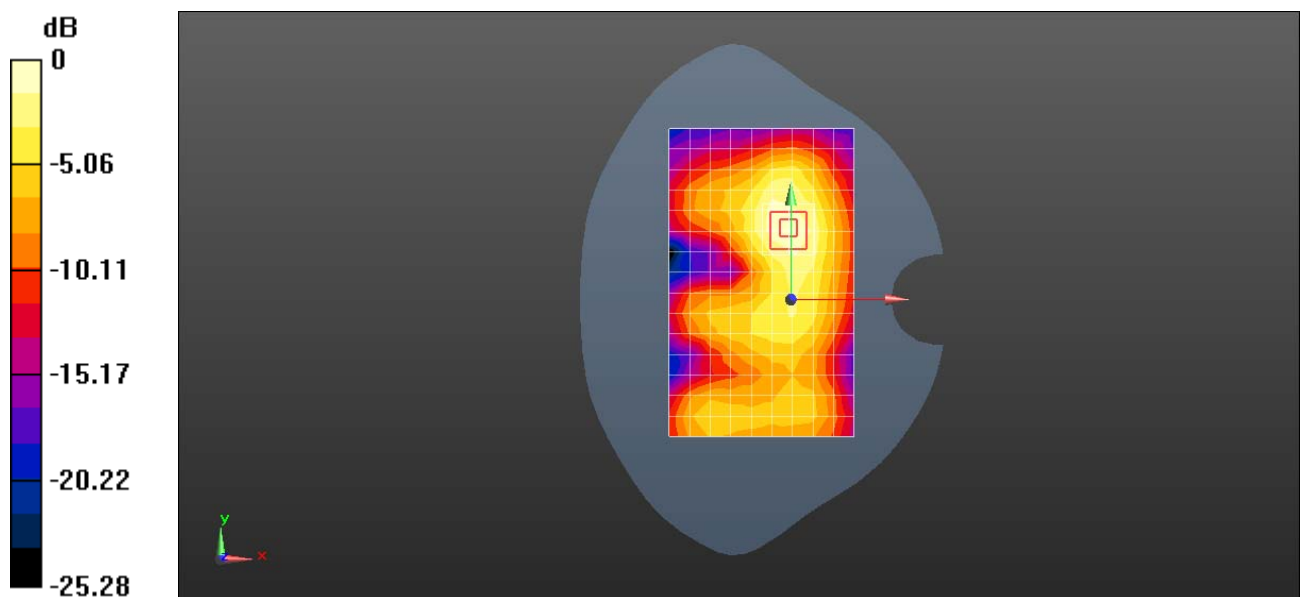
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.233 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.288 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 LTE Band 7 20M QPSK 1RB 50 Offset 21100CH Back Side 10mm-Second Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 2.019$ S/m; $\epsilon_r = 51.246$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.31, 4.31, 4.31); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.266 W/kg

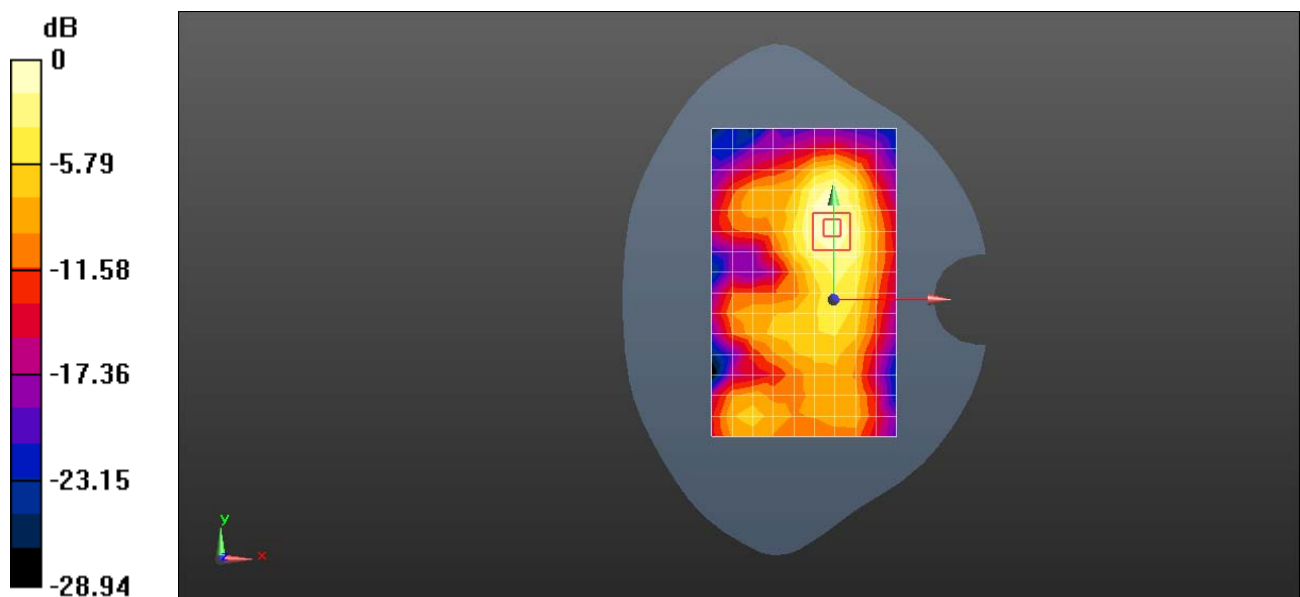
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.557 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.446 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.266 W/kg = -5.75 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM850 190CH Right Touch-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 0.908$ S/m; $\epsilon_r = 43.341$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- 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) = 0.178 W/kg

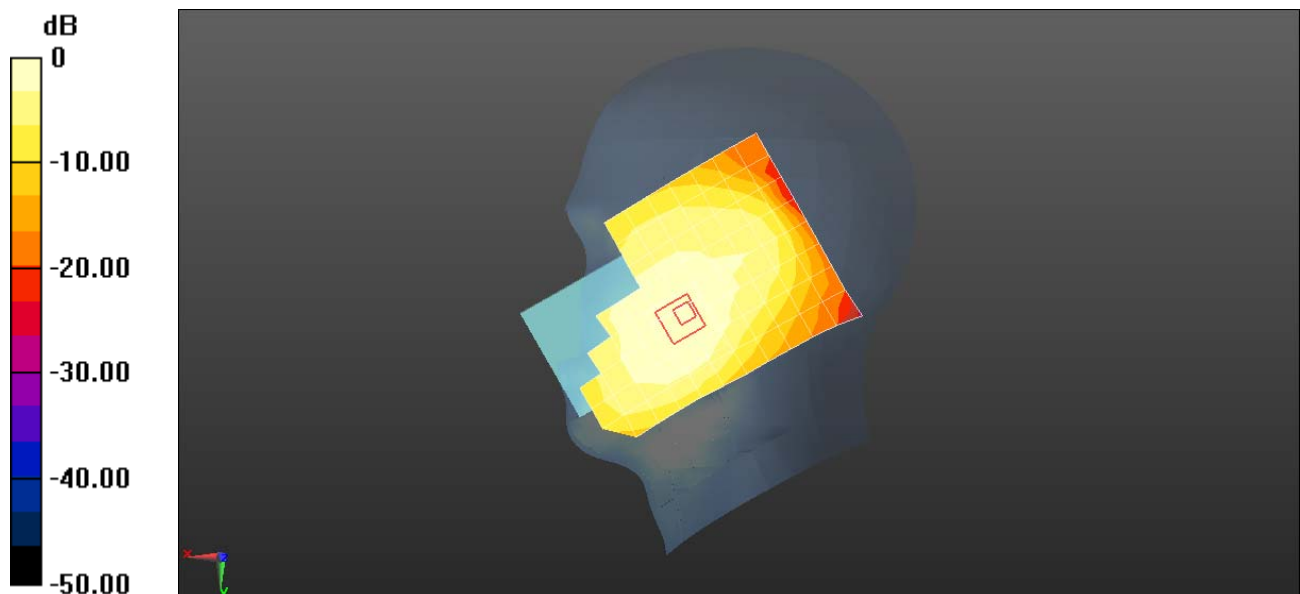
Configuration/Head/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.657 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.178 W/kg = -7.50 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM850 190CH Back Side 15mm-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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

Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.999 \text{ S/m}$; $\epsilon_r = 56.885$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1236; Calibrated: 2017-7-21
- 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: $dx=15\text{mm}$, $dy=15\text{mm}$

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

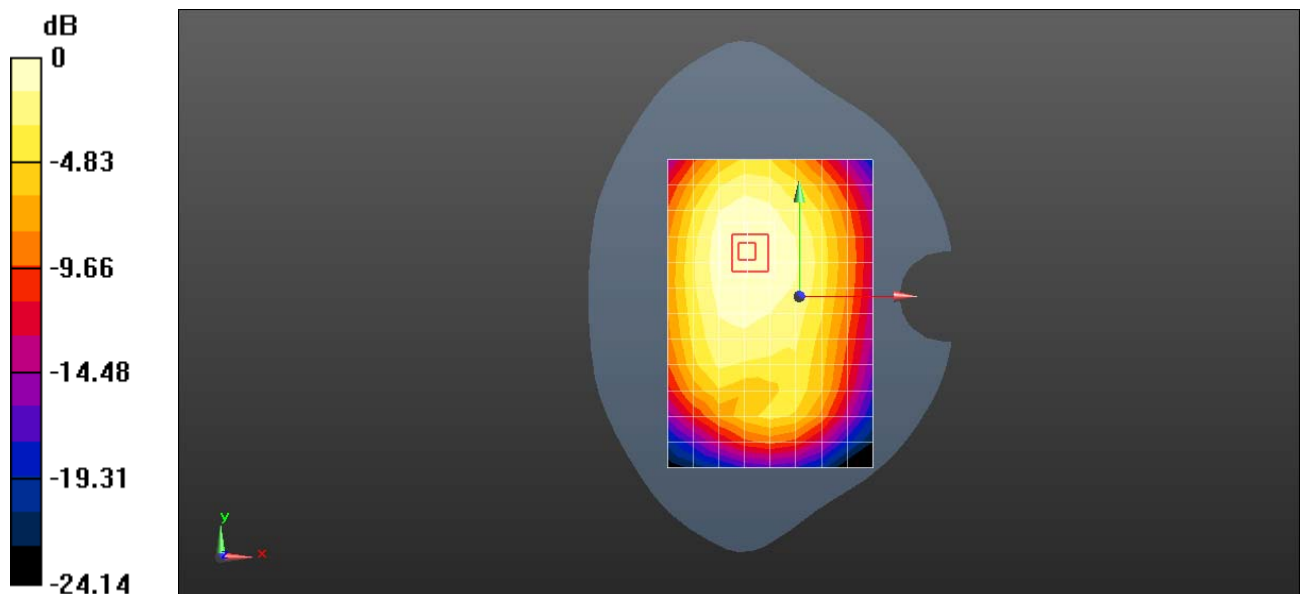
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.51 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.234 W/kg ; SAR(10 g) = 0.173 W/kg

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



0 dB = 0.254 W/kg = -5.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM850 GPRS 2TS 190CH Right Side 10mm with Battery2-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 0.999$ S/m; $\epsilon_r = 56.885$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.305 W/kg

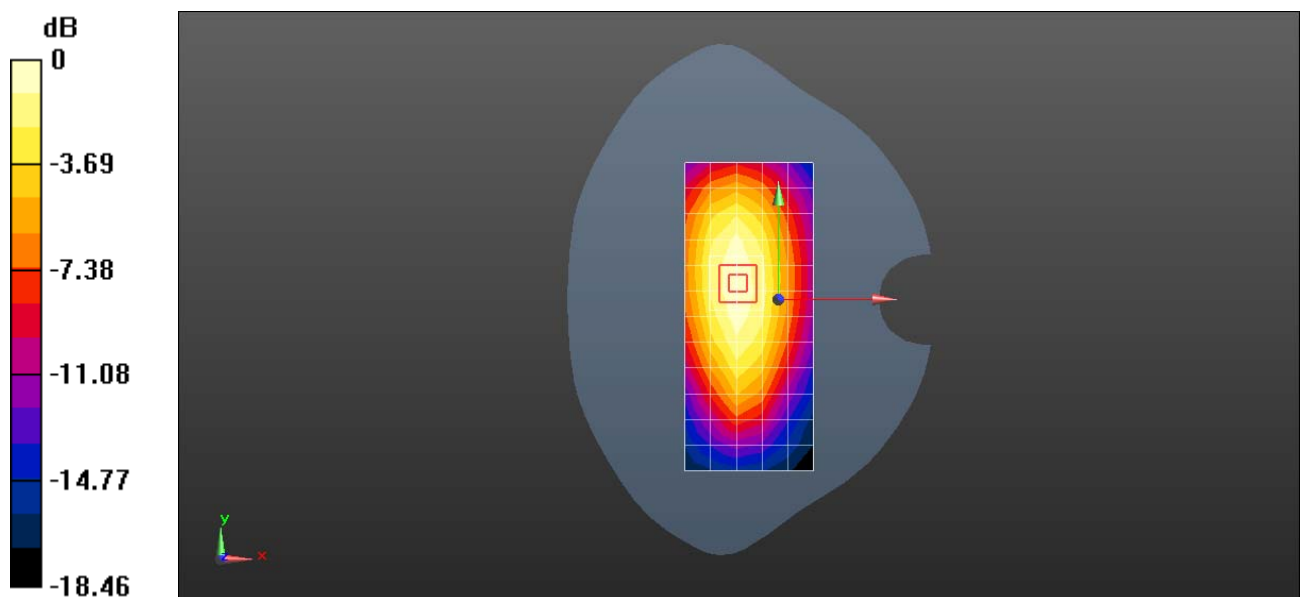
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.99 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.305 W/kg = -5.16 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM1900 661CH Left Touch with Battery2-Main Antenna

DUT: ANE-LX1; 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: $f = 1880 \text{ MHz}$; $\sigma = 1.452 \text{ S/m}$; $\epsilon_r = 40.203$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left 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 Sn1236; Calibrated: 2017-7-21
- 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.109 W/kg

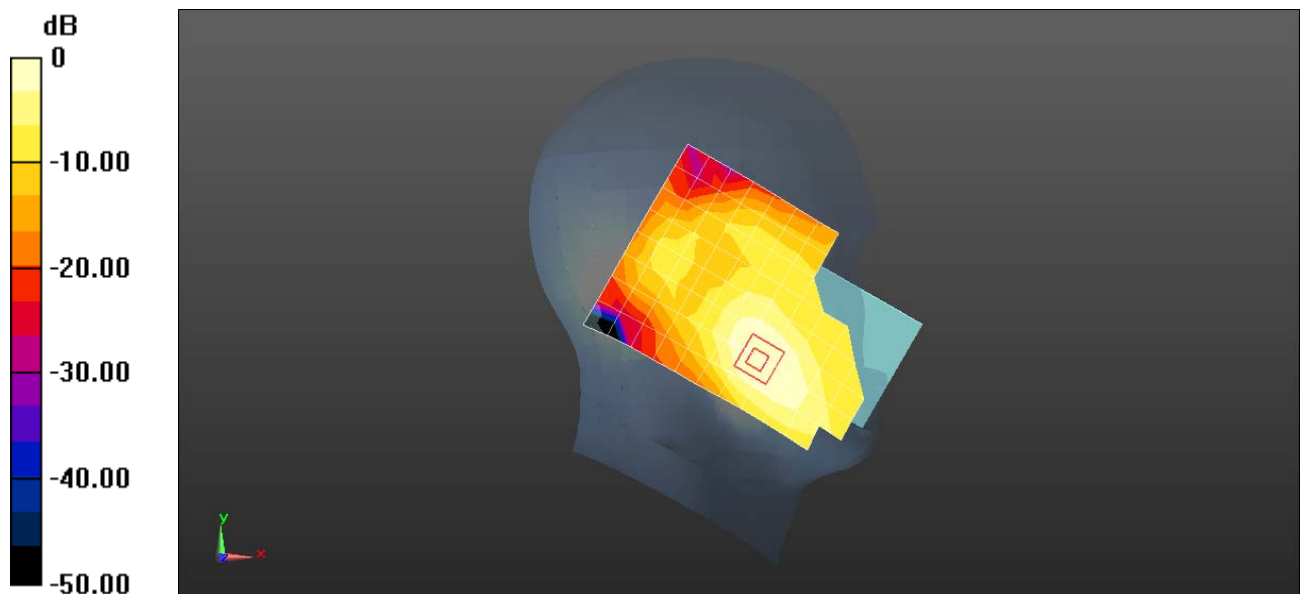
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.533 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.148 W/kg

SAR(1 g) = 0.096 W/kg ; SAR(10 g) = 0.060 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM1900 661CH Back Side 15mm with Battery 3-Main Antenna

DUT: ANE-LX1; 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; $\sigma = 1.509$ S/m; $\epsilon_r = 52.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.7, 7.7, 7.7); Calibrated: 2017-7-24;
- 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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

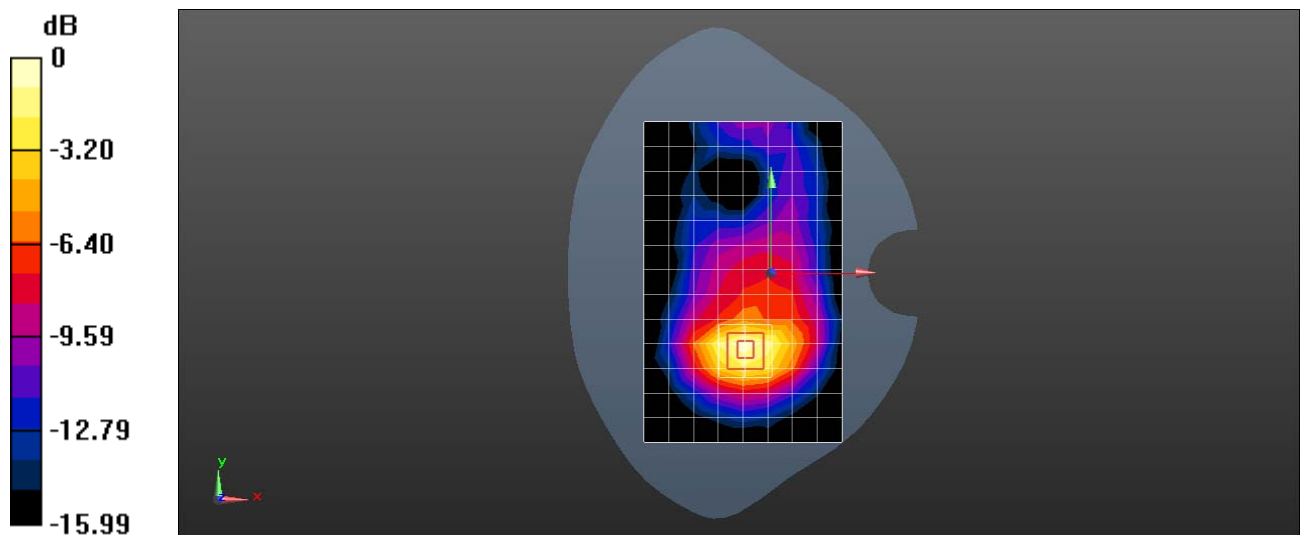
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.151 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.426 W/kg



0 dB = 0.426 W/kg = -3.71 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 GSM1900 GPRS 2TS 661CH Bottom Side 10mm-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.509 \text{ S/m}$; $\epsilon_r = 52.53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.7, 7.7, 7.7); Calibrated: 2017-7-24;
- 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 (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.617 W/kg

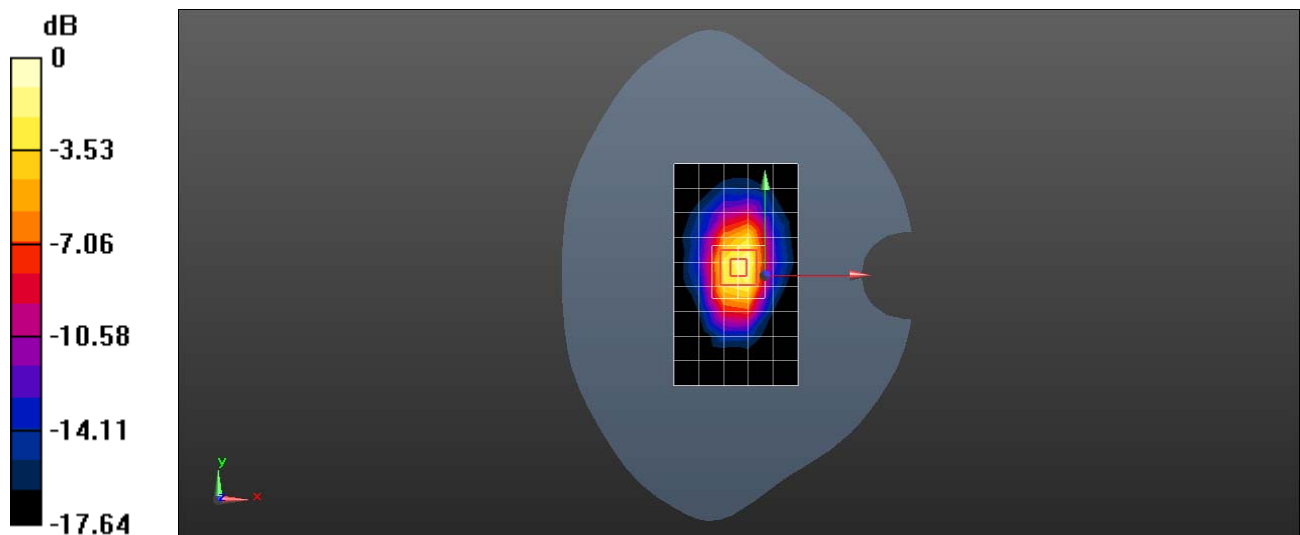
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.02 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.573 W/kg ; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 0.828 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 2 9400CH Left Touch with Battery3-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.45 \text{ S/m}$; $\epsilon_r = 39.121$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8, 8, 8); Calibrated: 2017-7-24;
- 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 (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

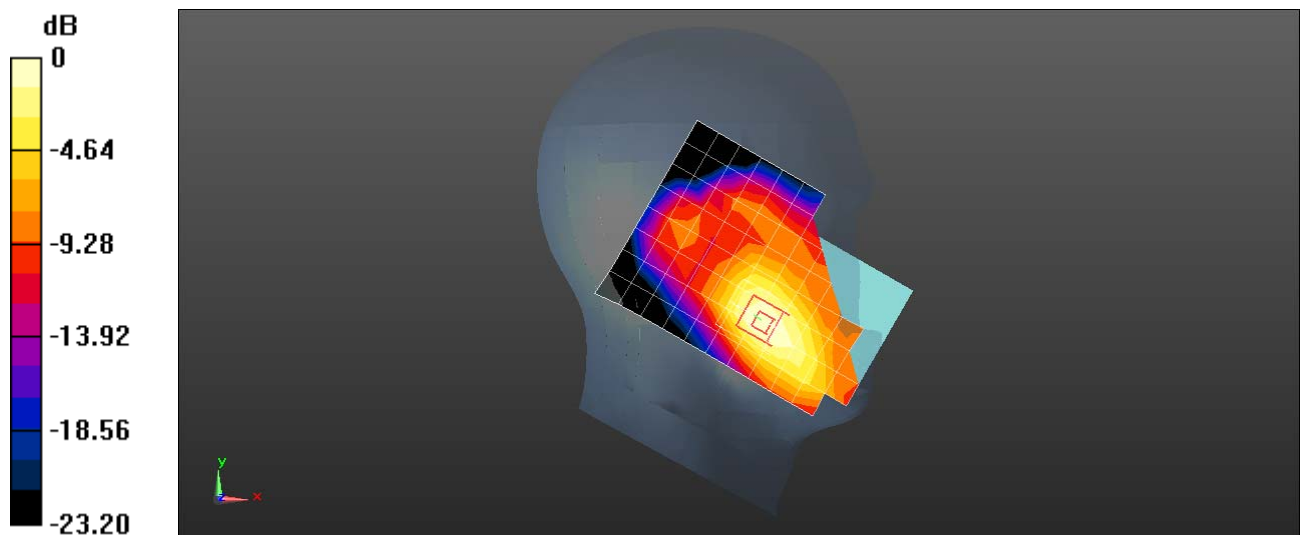
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.956 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.408 W/kg

SAR(1 g) = 0.253 W/kg ; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 0.337 W/kg



0 dB = 0.337 W/kg = -4.72 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 2 9538CH Back Side 15mm with Battery3-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.53$ S/m; $\epsilon_r = 52.505$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.7, 7.7, 7.7); Calibrated: 2017-7-24;
- 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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.05 W/kg

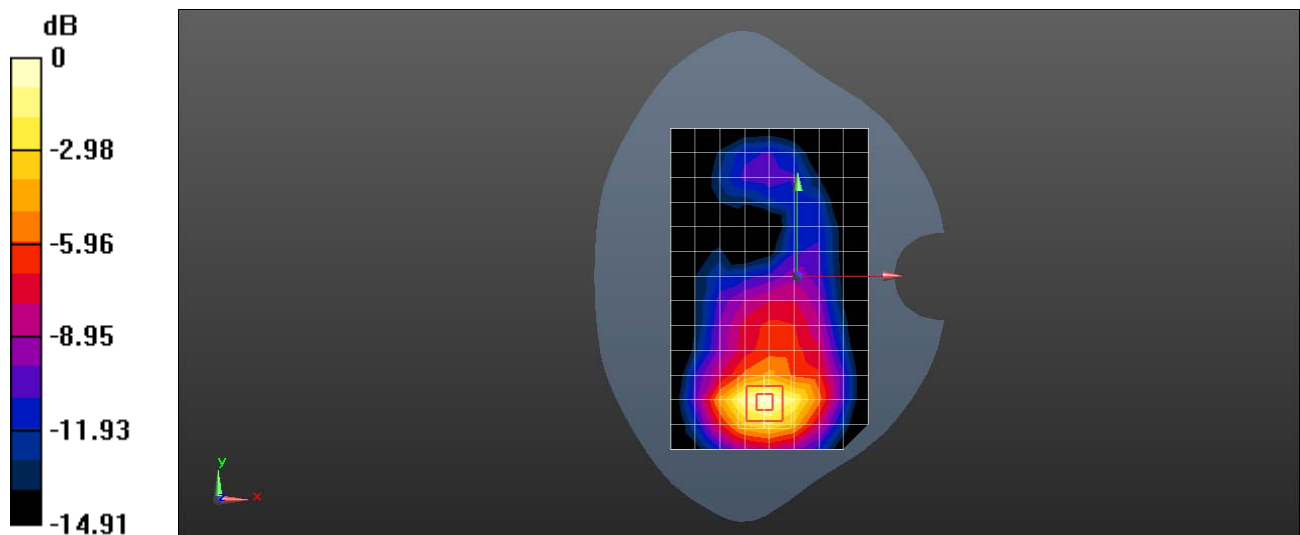
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.060 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.763 W/kg; SAR(10 g) = 0.466 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 2 9400CH Bottom Side 10mm-Main Antenna

DUT: ANE-LX1; 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; $\sigma = 1.509$ S/m; $\epsilon_r = 52.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.7, 7.7, 7.7); Calibrated: 2017-7-24;
- 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 (5x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

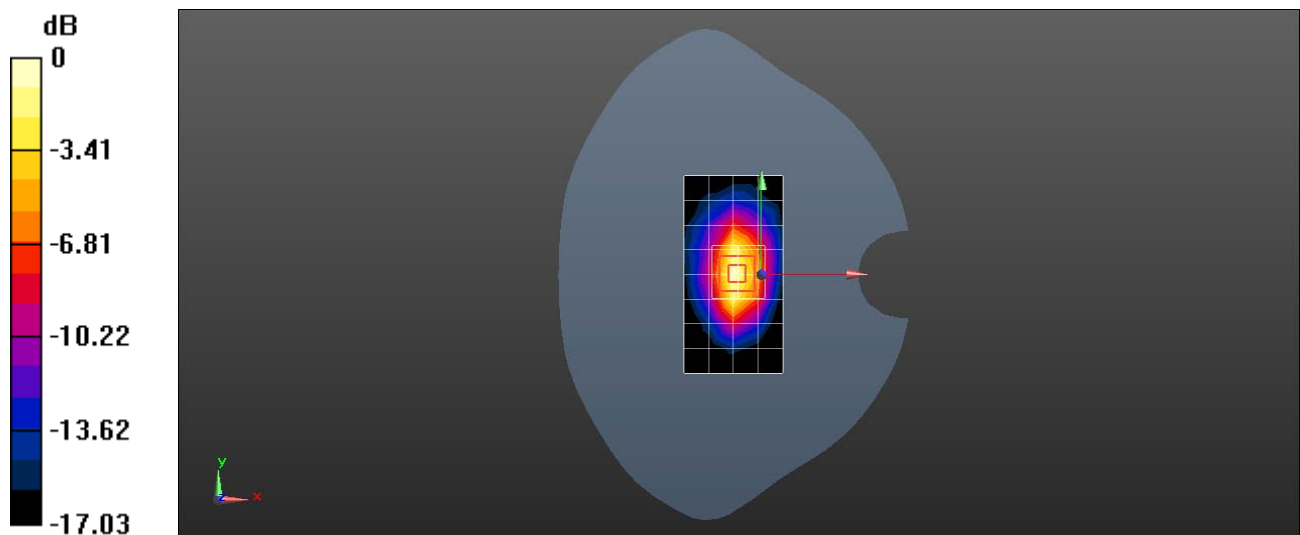
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 26.91 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.401 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 5 4182CH Right Touch with Battery3-Main Antenna

DUT: ANE-LX1; 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; $\sigma = 0.907$ S/m; $\epsilon_r = 43.346$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- 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

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

Maximum value of SAR (measured) = 0.185 W/kg

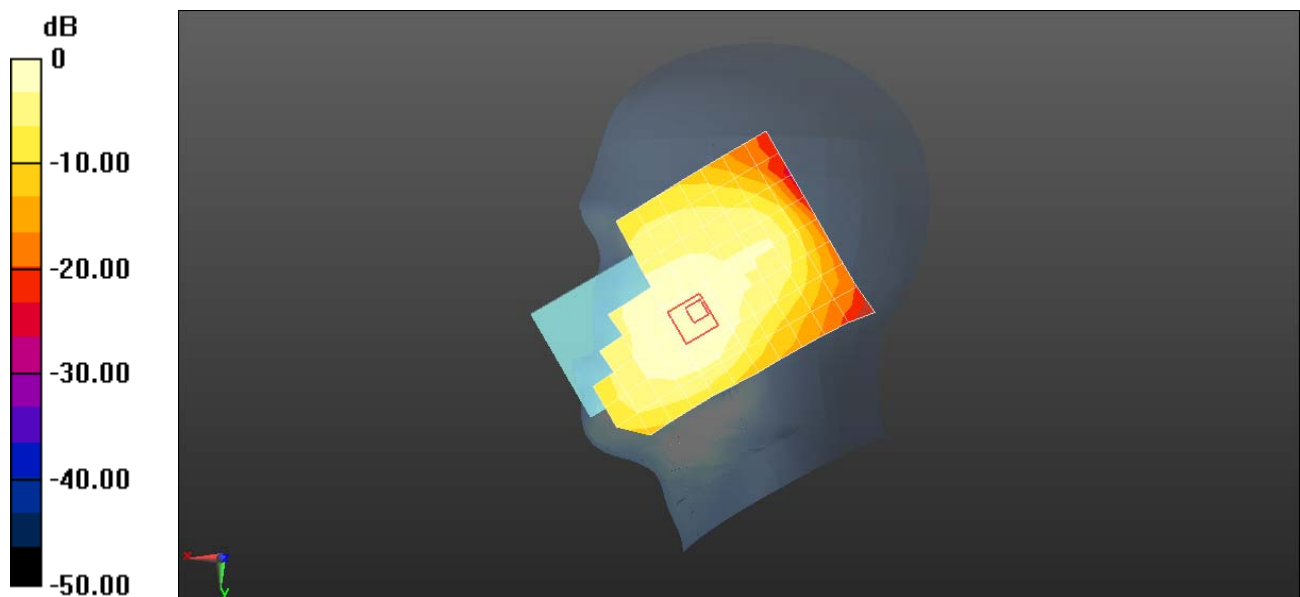
Configuration/Head/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.33 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.126 W/kg

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



0 dB = 0.185 W/kg = -7.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 5 4182CH Back Side 15mm with Battery2-Main Antenna

DUT: ANE-LX1; 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; $\sigma = 0.998$ S/m; $\epsilon_r = 56.891$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- 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

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

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

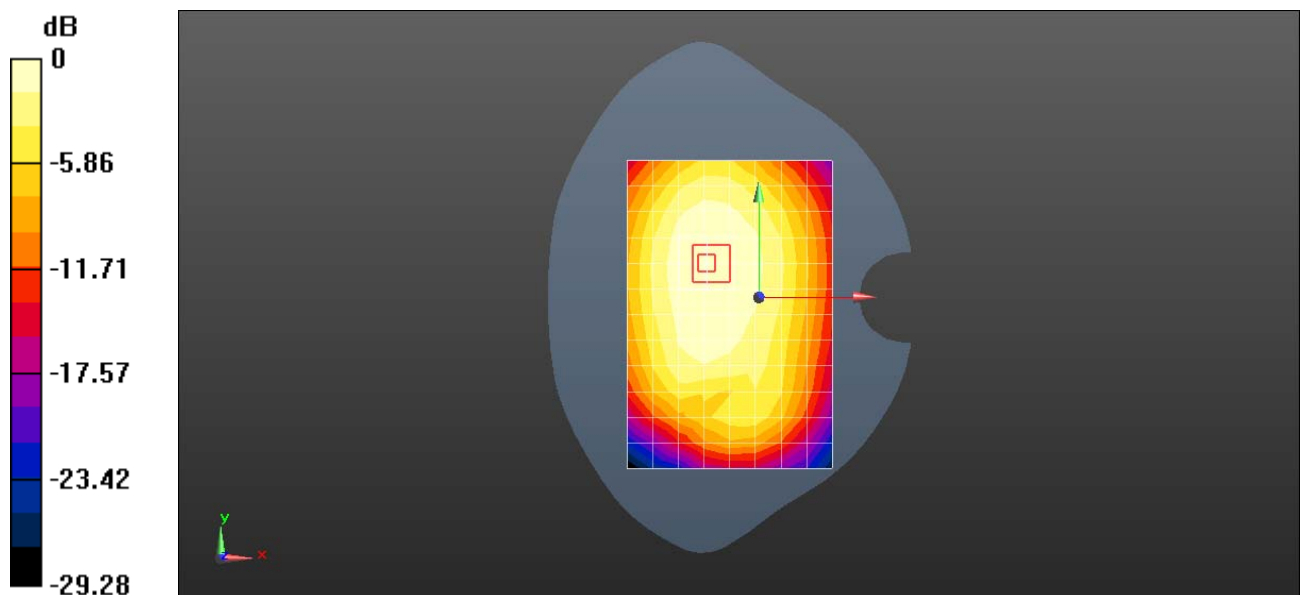
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.66 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.187 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 UMTS Band 5 4182CH Right Side 10mm-Main Antenna

DUT: ANE-LX1; 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; $\sigma = 0.998$ S/m; $\epsilon_r = 56.891$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

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

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

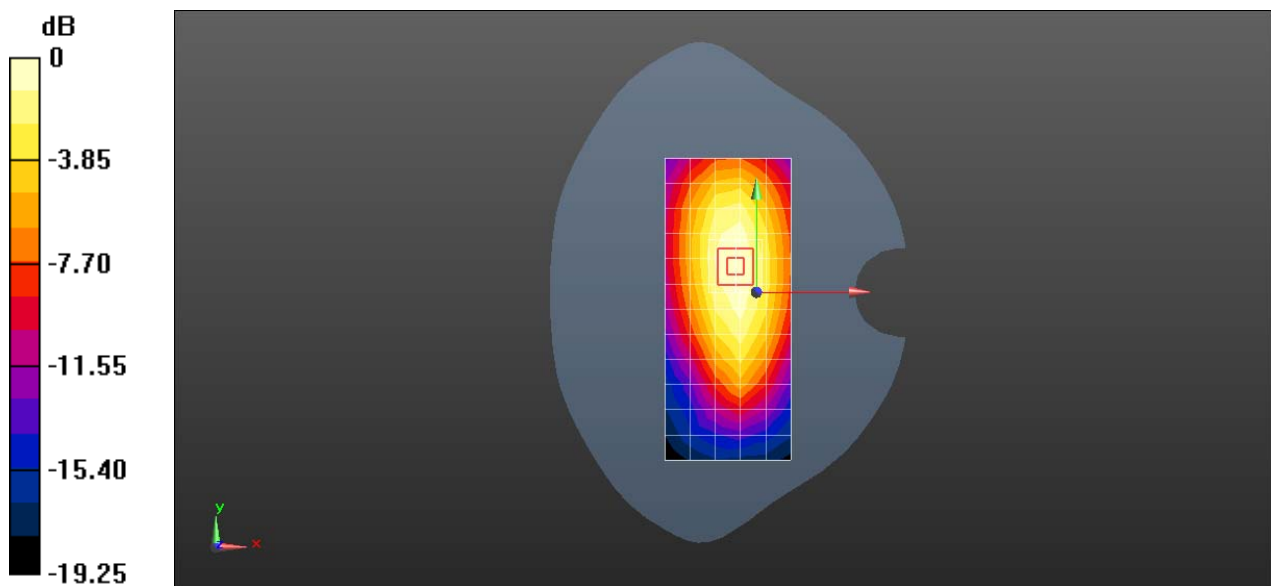
Reference Value = 17.15 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.182 W/kg

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

Maximum value of SAR (measured) = 0.316 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 LTE Band 7 20M QPSK 1RB 0 Offset 20850CH Left touch with Battery3-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 1.882$ S/m; $\epsilon_r = 39.269$; $\rho = 1000$ kg/m³

Phantom section: Left 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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.196 W/kg

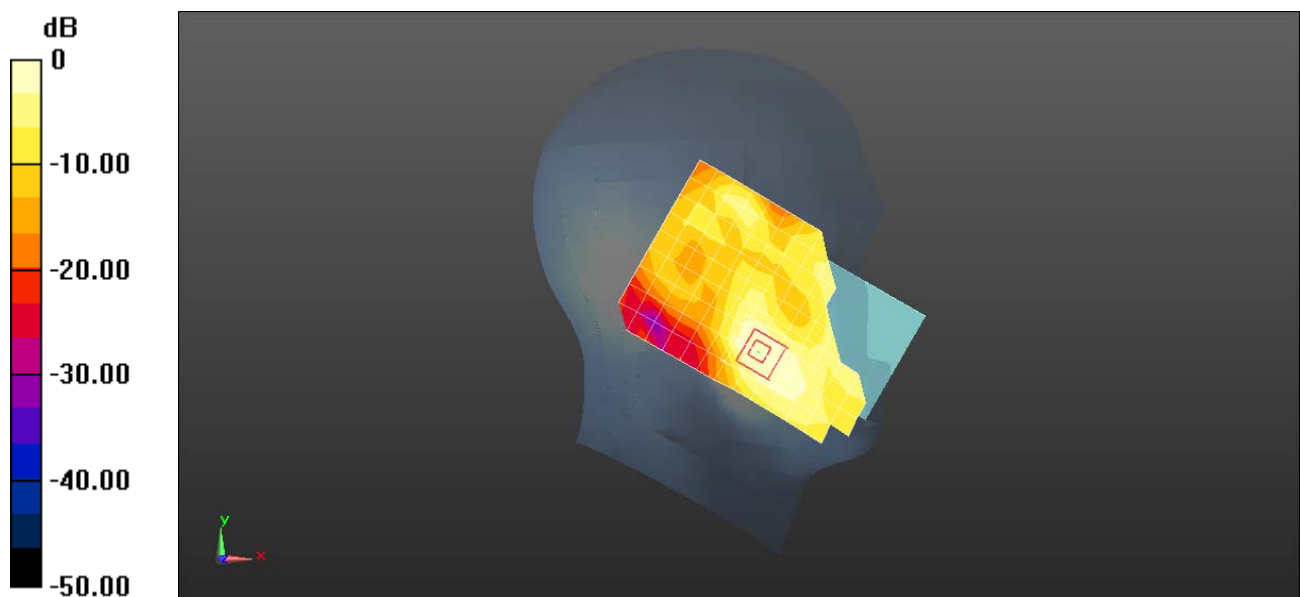
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.338 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.212 W/kg



0 dB = 0.196 W/kg = -7.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 LTE Band 7 20M QPSK 1RB 0 Offset 20850CH Front Side 15mm with Battery2-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 1.998$ S/m; $\epsilon_r = 51.275$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.31, 4.31, 4.31); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.594 W/kg

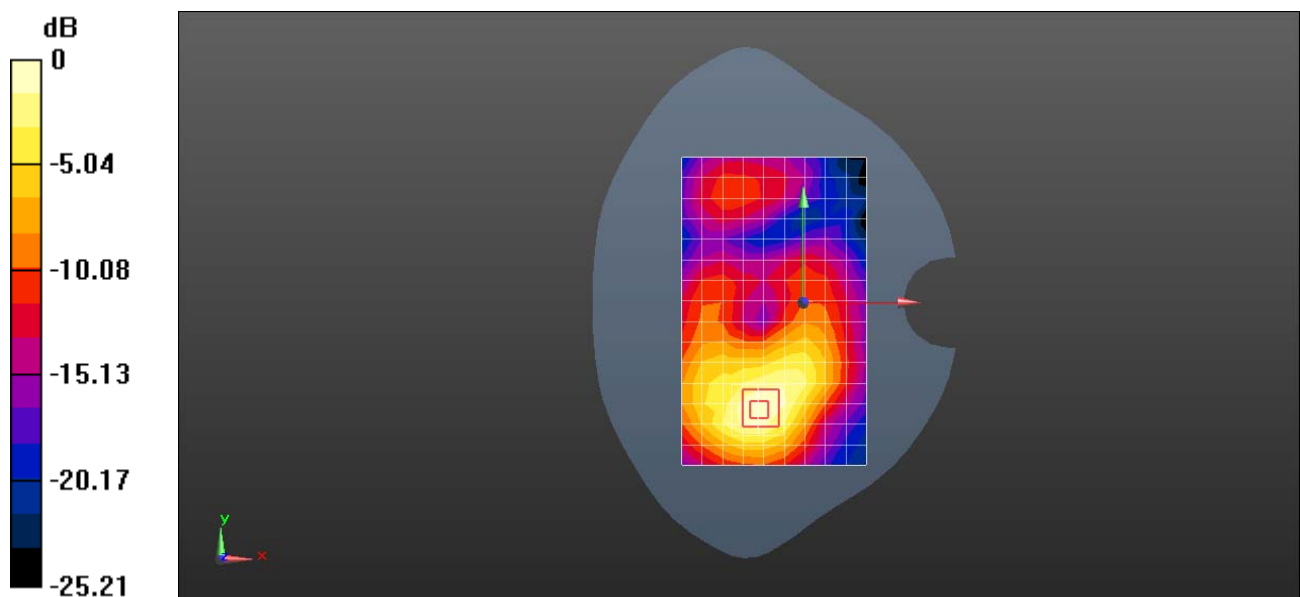
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.437 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.609 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 LTE Band 7 20M QPSK 1RB 50 Offset 21100CH Front Side 10mm-Main Antenna

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 2.019$ S/m; $\epsilon_r = 51.246$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.31, 4.31, 4.31); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.595 W/kg

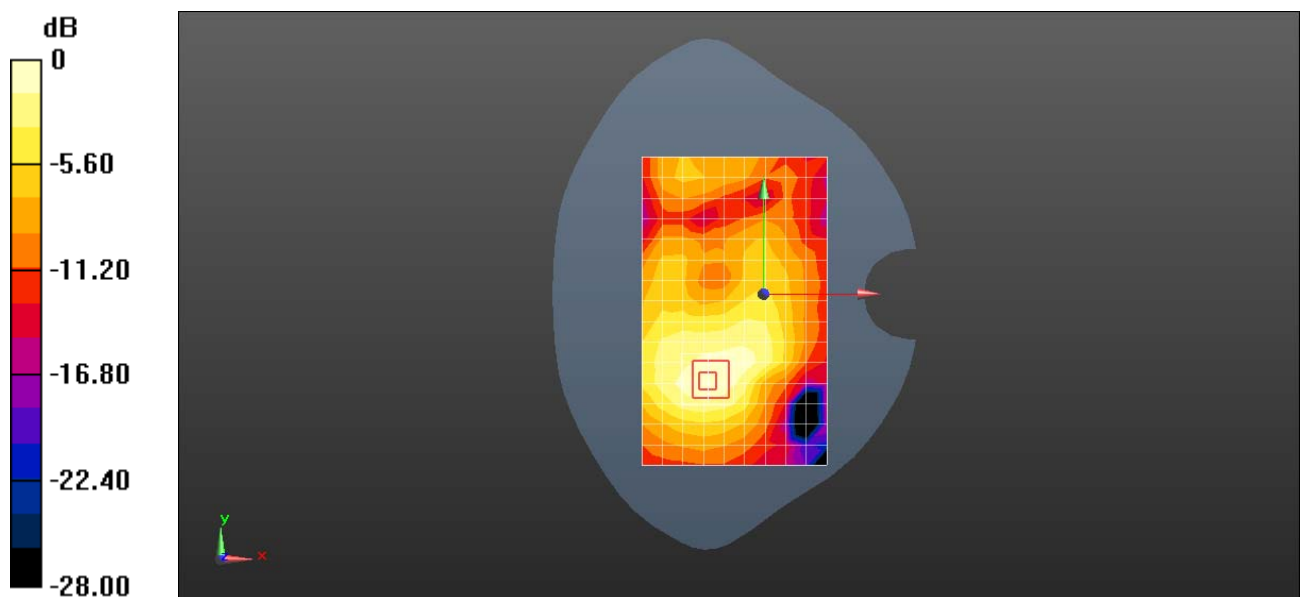
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.734 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.277 W/kg

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



0 dB = 0.595 W/kg = -2.25 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 WiFi 2.4G 802.11b 11CH Left Touch

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 39.251$; $\rho = 1000$ kg/m³

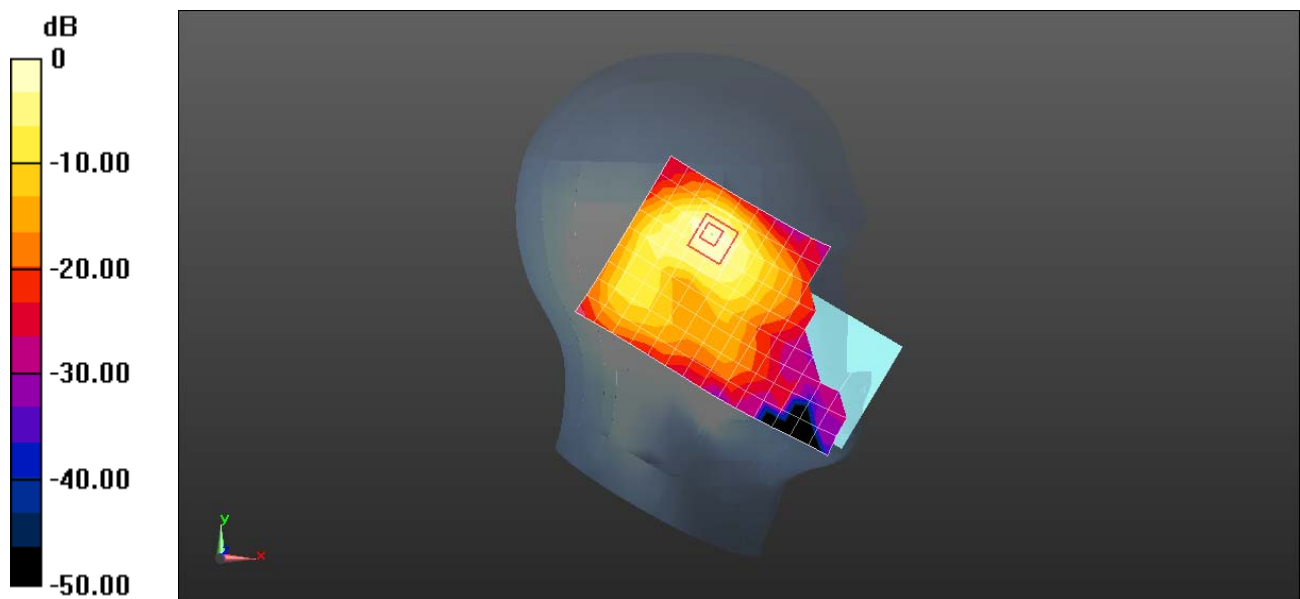
Phantom section: Left Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- 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) = 0.463 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 4.763 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.997 W/kg
SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.168 W/kg
Maximum value of SAR (measured) = 0.561 W/kg



0 dB = 0.463 W/kg = -3.34 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 WiFi 2.4G 802.11b 1CH Back side 15mm

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 1.847$ S/m; $\epsilon_r = 53.244$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.59, 4.59, 4.59); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x15x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0649 W/kg

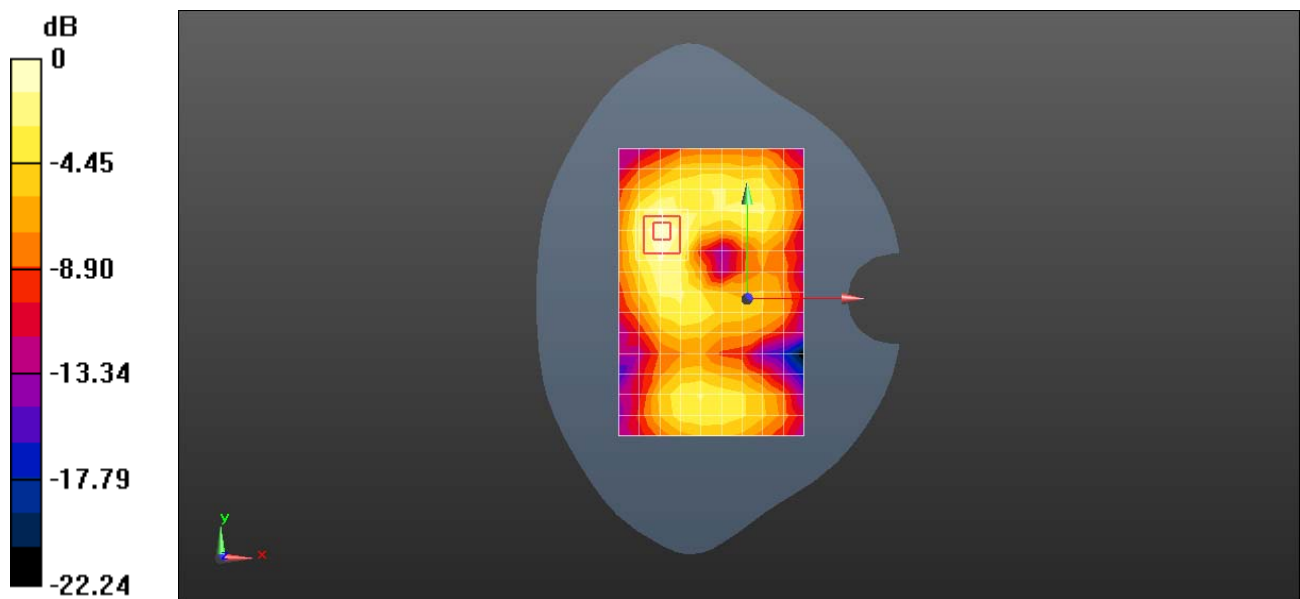
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.457 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0980 W/kg

SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.0634 W/kg



0 dB = 0.0649 W/kg = -11.88 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 WiFi 2.4G 802.11b 1CH Right side 10mm with Battery2

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR1

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; $\sigma = 1.847$ S/m; $\epsilon_r = 53.244$; $\rho = 1000$ kg/m³

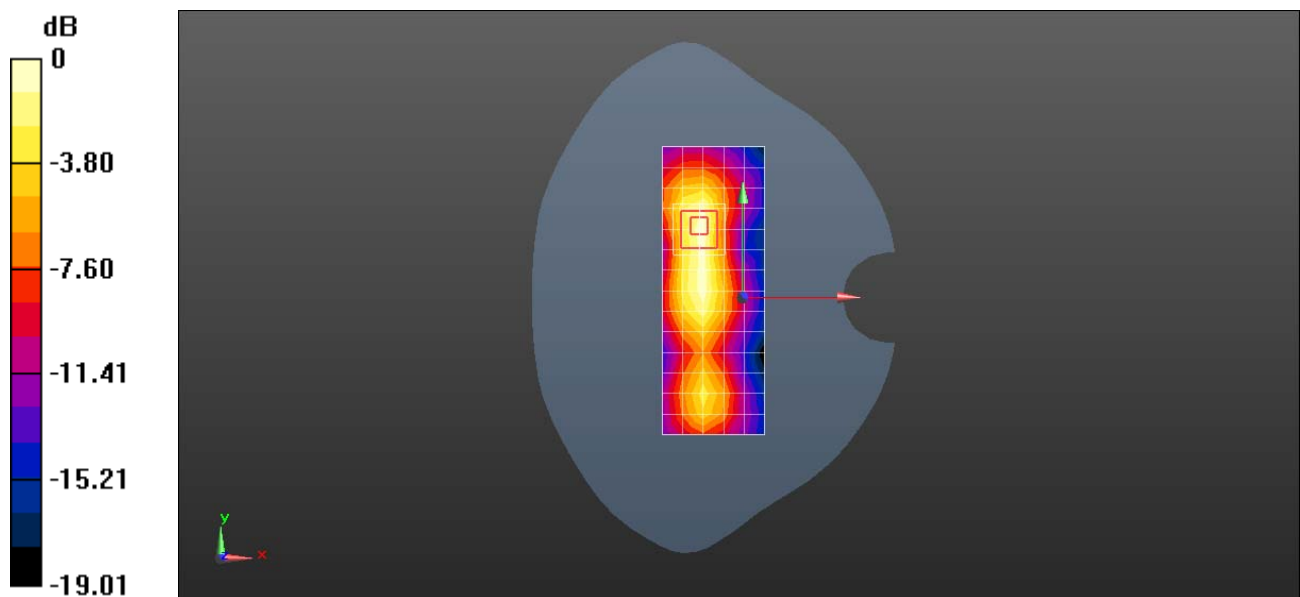
Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.59, 4.59, 4.59); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x15x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.161 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 7.490 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.061 W/kg
Maximum value of SAR (measured) = 0.175 W/kg



0 dB = 0.161 W/kg = -7.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 WiFi 5G 802.11a 20M 128CH Left Touch

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5640 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5640$ MHz; $\sigma = 5.242$ S/m; $\epsilon_r = 35.98$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(4.45, 4.45, 4.45); Calibrated: 2017-4-27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- 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 (12x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 0.315 W/kg

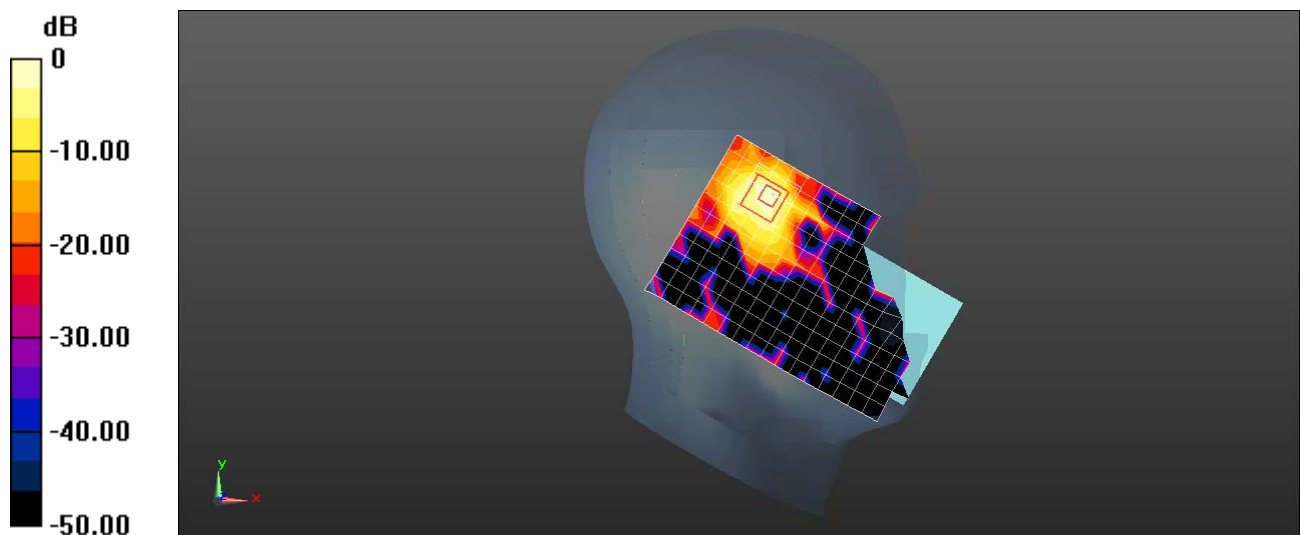
Configuration/Head/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.019 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.645 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.376 W/kg



0 dB = 0.376 W/kg = -4.25 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 WiFi 5G 802.11a 20M 64CH Back Side 15mm with Battery3

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5320$ MHz; $\sigma = 5.457$ S/m; $\epsilon_r = 47.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(4.27, 4.27, 4.27); Calibrated: 2017-4-27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- 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 (12x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 0.137 W/kg

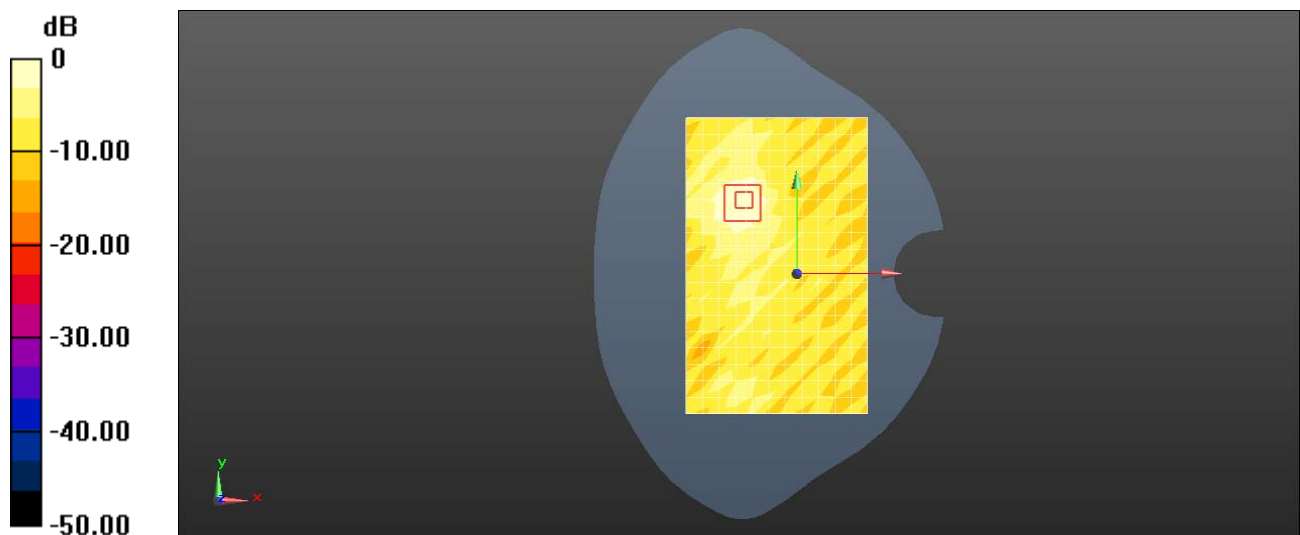
Configuration/Body/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.658 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.019 W/kg

Maximum value of SAR (measured) = 0.134 W/kg



0 dB = 0.134 W/kg = -8.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 WiFi 5G 802.11a 20M 44CH Back Side 10mm with Battery2

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5220 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.345 \text{ S/m}$; $\epsilon_r = 47.694$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(4.27, 4.27, 4.27); Calibrated: 2017-4-27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- 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 (11x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 0.596 W/kg

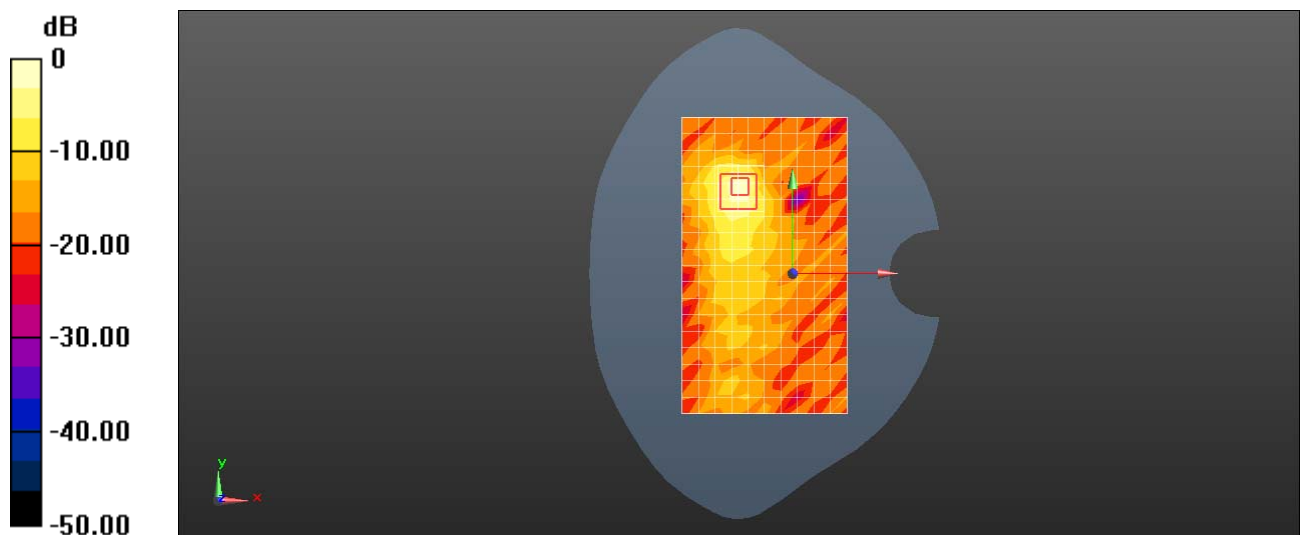
Configuration/Body/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$

Reference Value = 2.356 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.375 W/kg ; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.899 W/kg



0 dB = 0.899 W/kg = -0.46 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

ANE-LX1 BT DH5 78CH Left Touch with Battery3

DUT: ANE-LX1; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 38.141$; $\rho = 1000$ kg/m³

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) = 0.114 W/kg

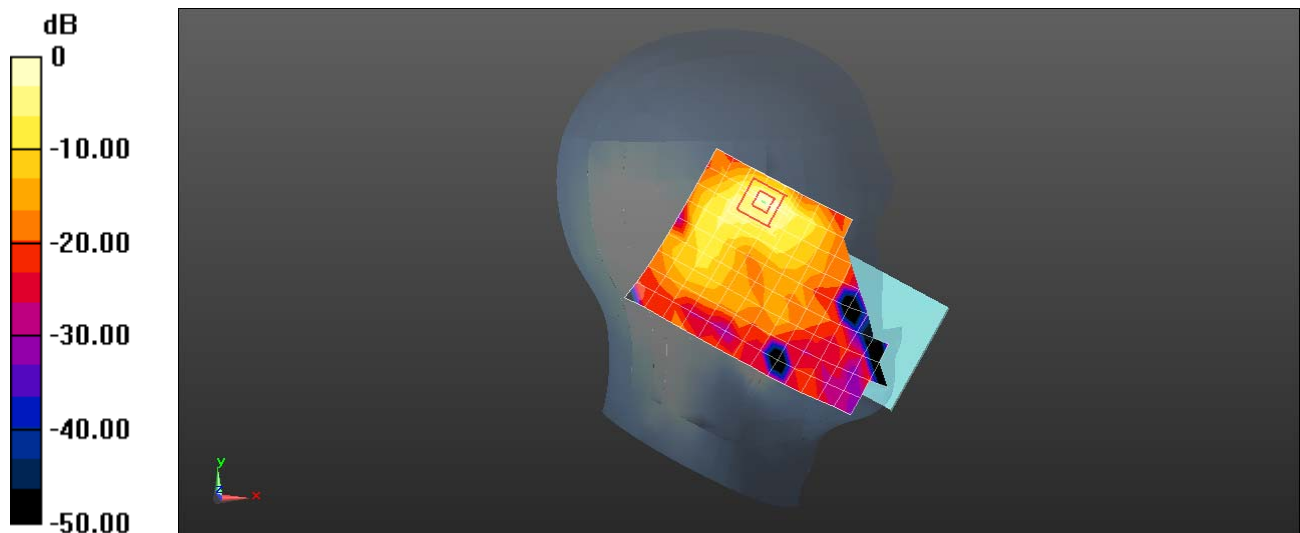
Configuration/Head/Zoom Scan (7x7x5)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.734 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.172 W/kg



0 dB = 0.172 W/kg = -7.64 dBW/kg