

**Appendix B. SAR Measurement Plots**

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Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 GSM850 190CH Left Touch

DUT: DRA-L01; 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: $f = 837 \text{ MHz}$; $\sigma = 0.908 \text{ S/m}$; $\epsilon_r = 42.317$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.39, 10.39, 10.39); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.289 W/kg

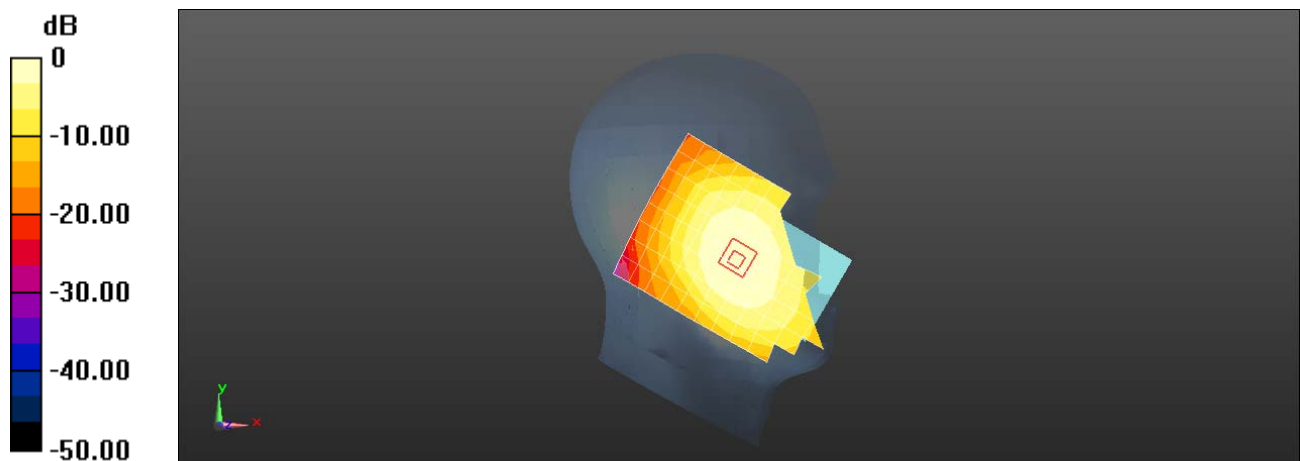
Configuration/Head/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.293 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.257 W/kg ; SAR(10 g) = 0.198 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



$0 \text{ dB} = 0.289 \text{ W/kg} = -5.39 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 GSM850 190CH Back Side 15mm with Battery2

DUT: DRA-L01; 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: $f = 837 \text{ MHz}$; $\sigma = 0.931 \text{ S/m}$; $\epsilon_r = 53.401$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.8, 10.8, 10.8); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.562 W/kg

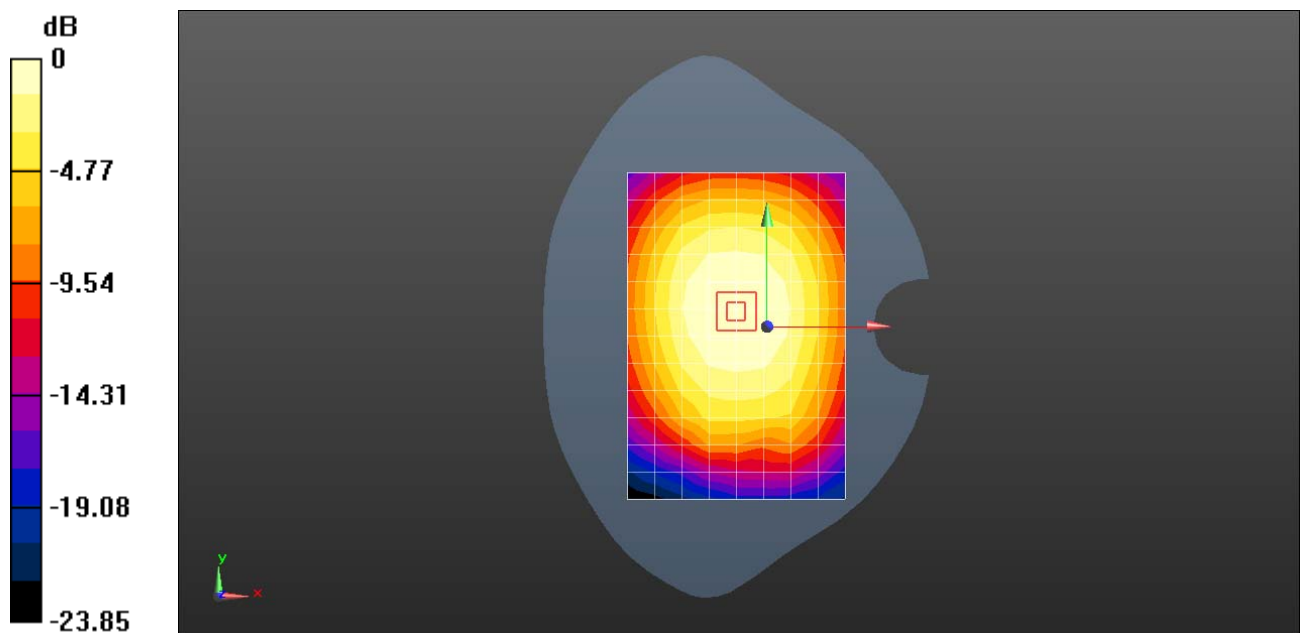
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.80 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.483 W/kg ; SAR(10 g) = 0.386 W/kg

Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.562 W/kg = -2.50 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 GSM850 GPRS 1TS 190CH Back Side 10mm with Battery2

DUT: DRA-L01; 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; $\sigma = 0.931$ S/m; $\epsilon_r = 53.401$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.8, 10.8, 10.8); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.453 W/kg

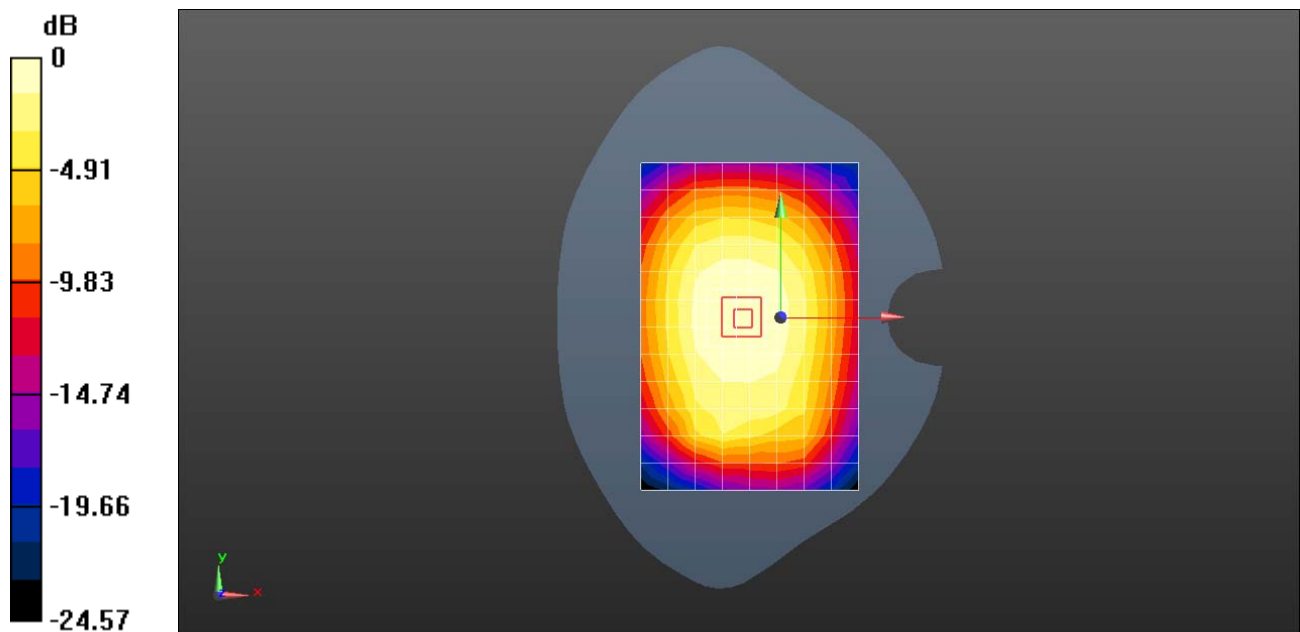
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.16 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 0.449 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 GSM1900 661CH Right Touch

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 41.118$; $\rho = 1000$ 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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.167 W/kg

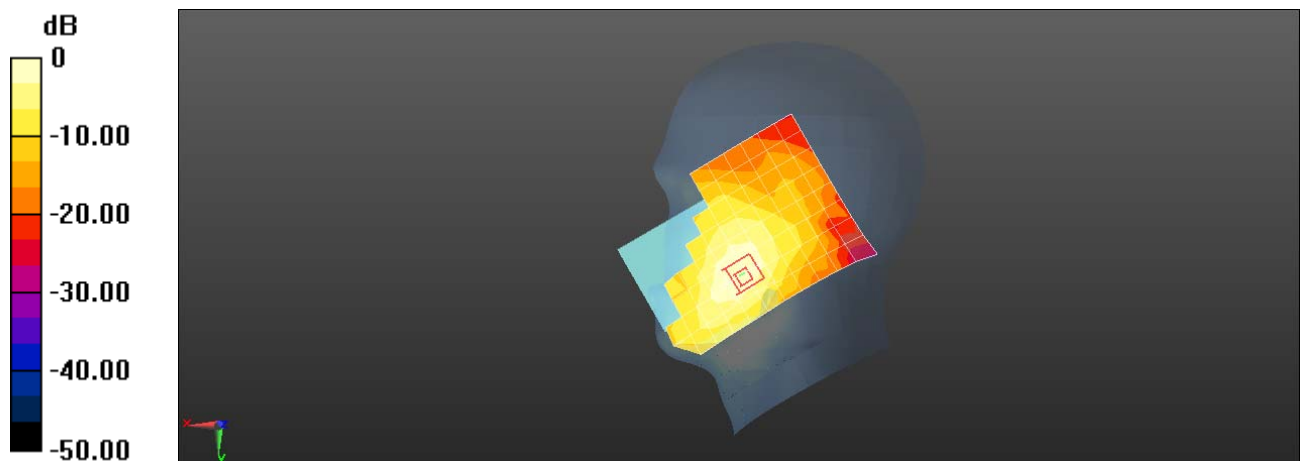
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.002 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.171 W/kg



0 dB = 0.167 W/kg = -7.77 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 GSM1900 661CH Front Side 15mm with Battery2

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ S/m; $\epsilon_r = 51.837$; $\rho = 1000$ 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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

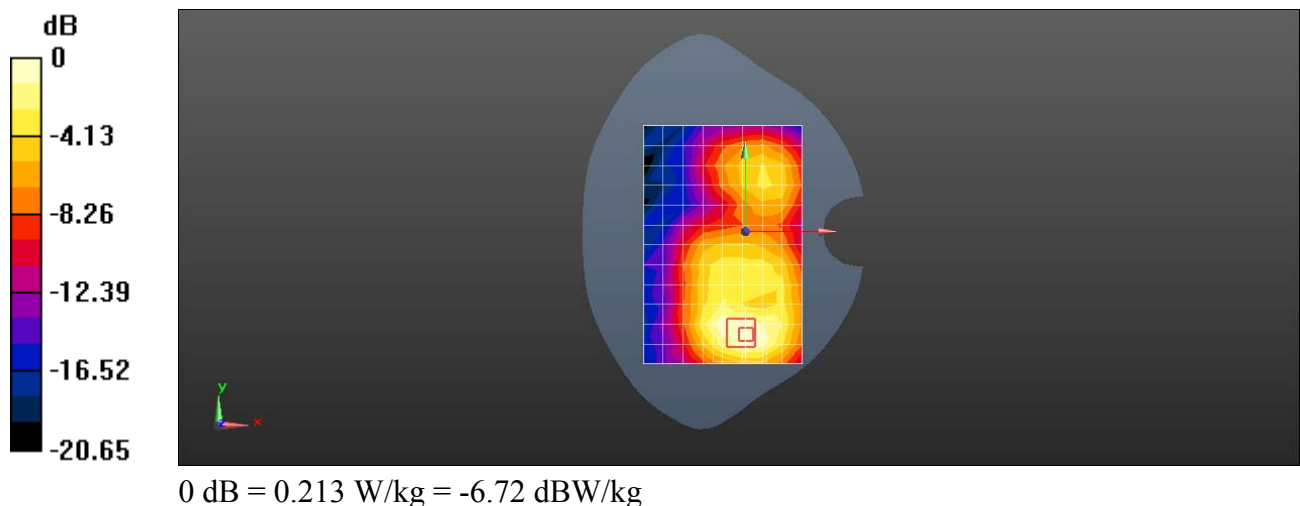
Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.714 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.243 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 GSM1900 GPRS 1TS 661CH Bottom Side 10mm with Battery3

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.505 \text{ S/m}$; $\epsilon_r = 51.837$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.338 W/kg

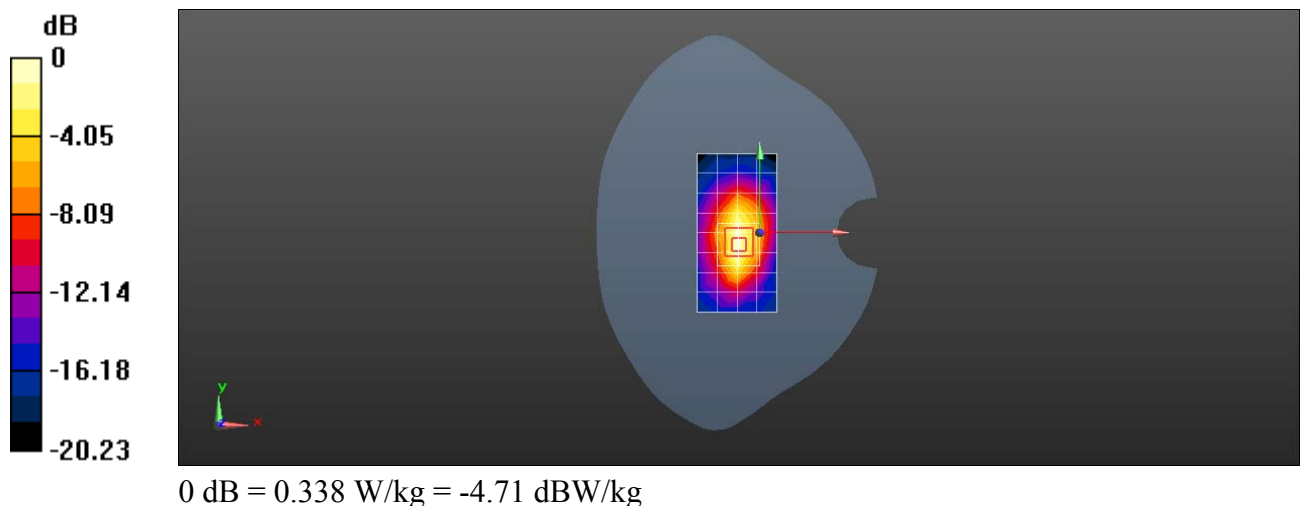
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.09 V/m ; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.259 W/kg ; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.368 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 UMTS Band 5 4182H Left Touch

DUT: DRA-L01; 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; $\sigma = 0.908$ S/m; $\epsilon_r = 42.32$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.39, 10.39, 10.39); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.348 W/kg

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

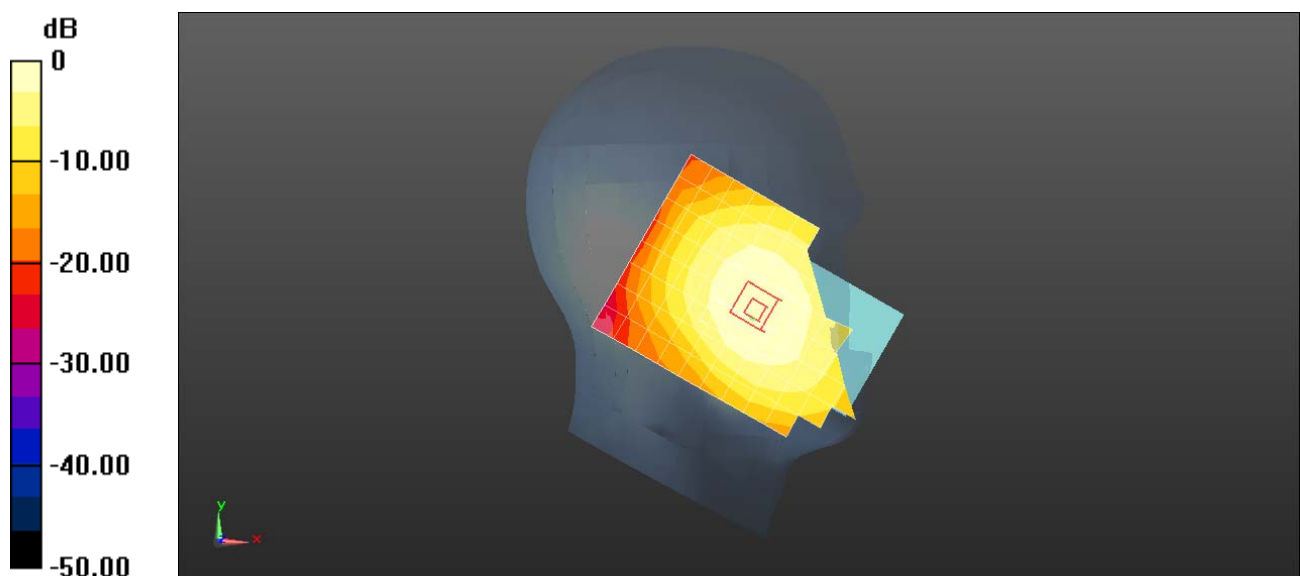
Reference Value = 6.013 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.224 W/kg

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

Maximum value of SAR (measured) = 0.336 W/kg



0 dB = 0.348 W/kg = -4.58 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 UMTS Band 5 4182H Back Side 15mm with Battery2

DUT: DRA-L01; 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; $\sigma = 0.931$ S/m; $\epsilon_r = 53.402$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.8, 10.8, 10.8); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.451 W/kg

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

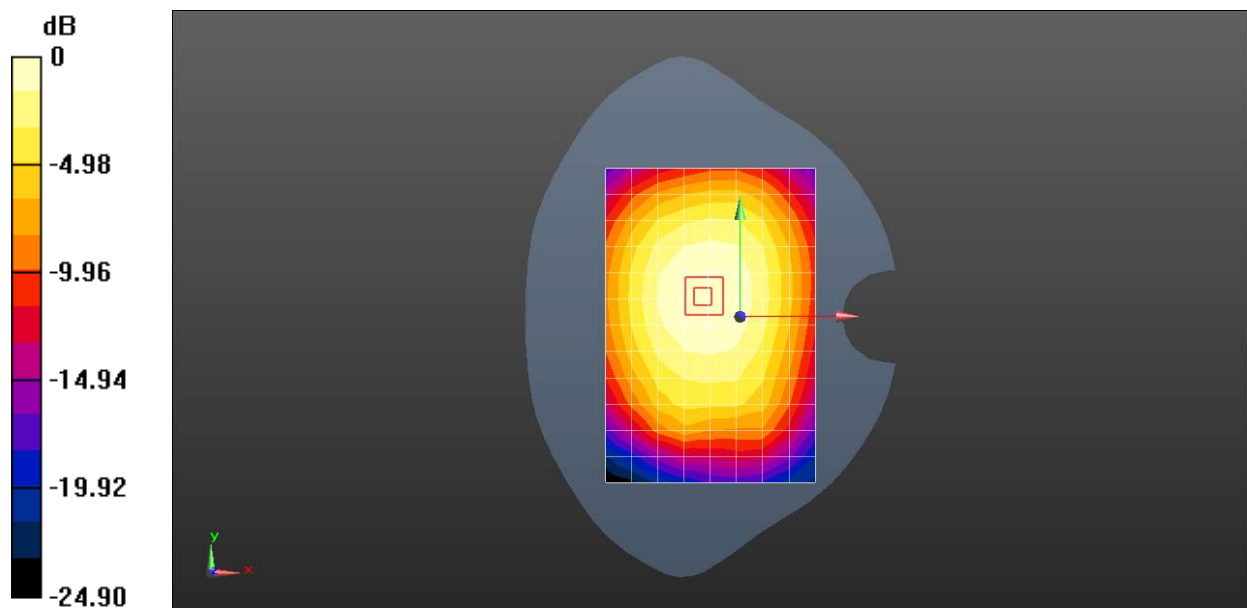
Reference Value = 22.63 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.313 W/kg

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

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



0 dB = 0.451 W/kg = -3.46 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 UMTS Band 5 4182H Back Side 10mm

DUT: DRA-L01; 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; $\sigma = 0.931$ S/m; $\epsilon_r = 53.402$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.8, 10.8, 10.8); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

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

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

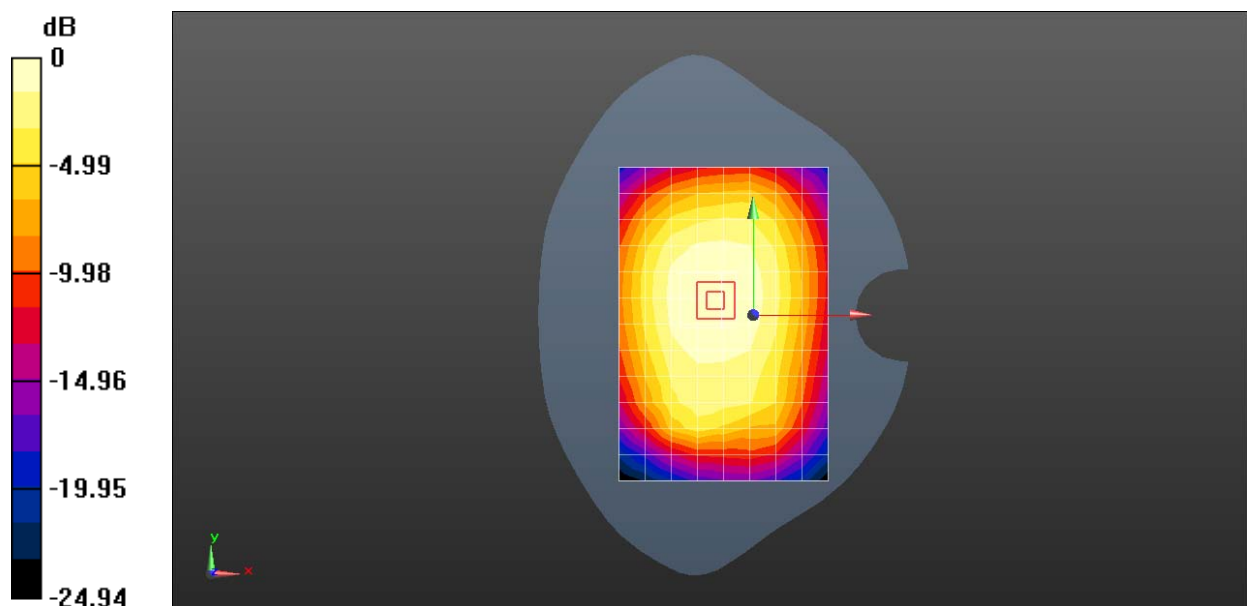
Reference Value = 21.17 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.276 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 LTE Band 5 10M QPSK 12RB 38 Offset 20600CH Left Touch

DUT: DRA-L01; Type: Smart Phone; Serial: SAR1

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

Medium parameters used: $f = 844 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 42.292$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.39, 10.39, 10.39); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.321 W/kg

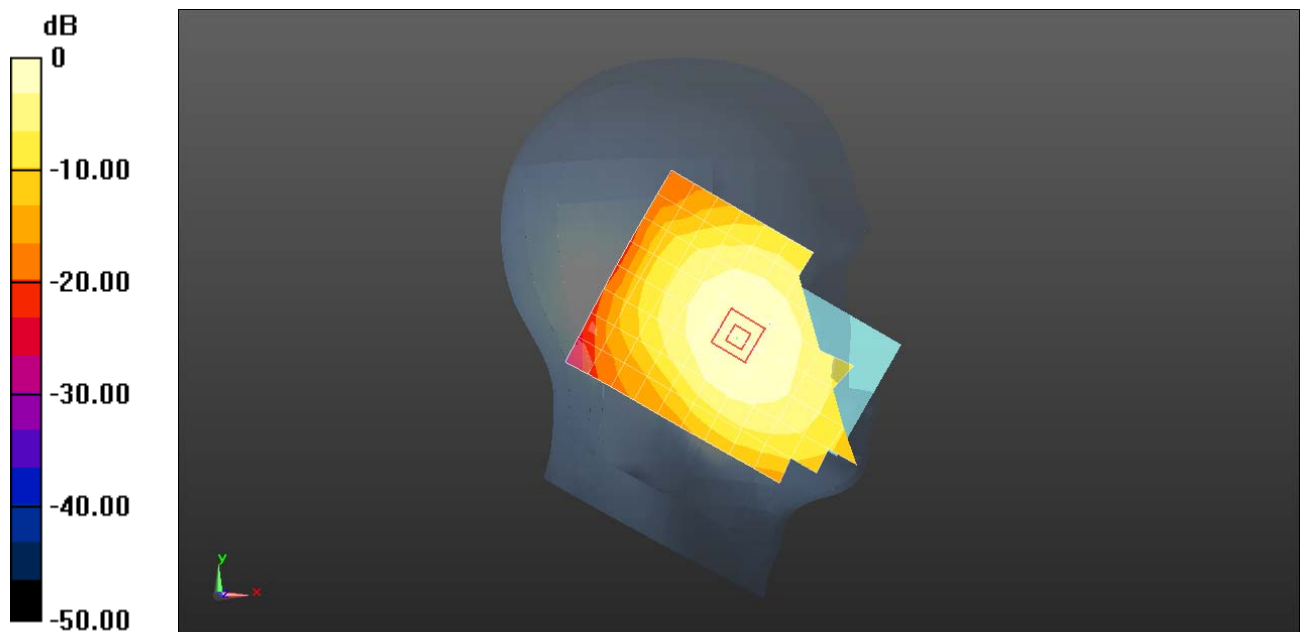
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.076 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.348 W/kg

SAR(1 g) = 0.280 W/kg ; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.321 W/kg = -4.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 LTE Band 5 10M QPSK 50%RB 25 Offset 20600CH Back Side 15mm

DUT: DRA-L01; Type: Smart Phone; Serial: SAR1

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

Medium parameters used: $f = 844 \text{ MHz}$; $\sigma = 0.933 \text{ S/m}$; $\epsilon_r = 53.385$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.8, 10.8, 10.8); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.330 W/kg

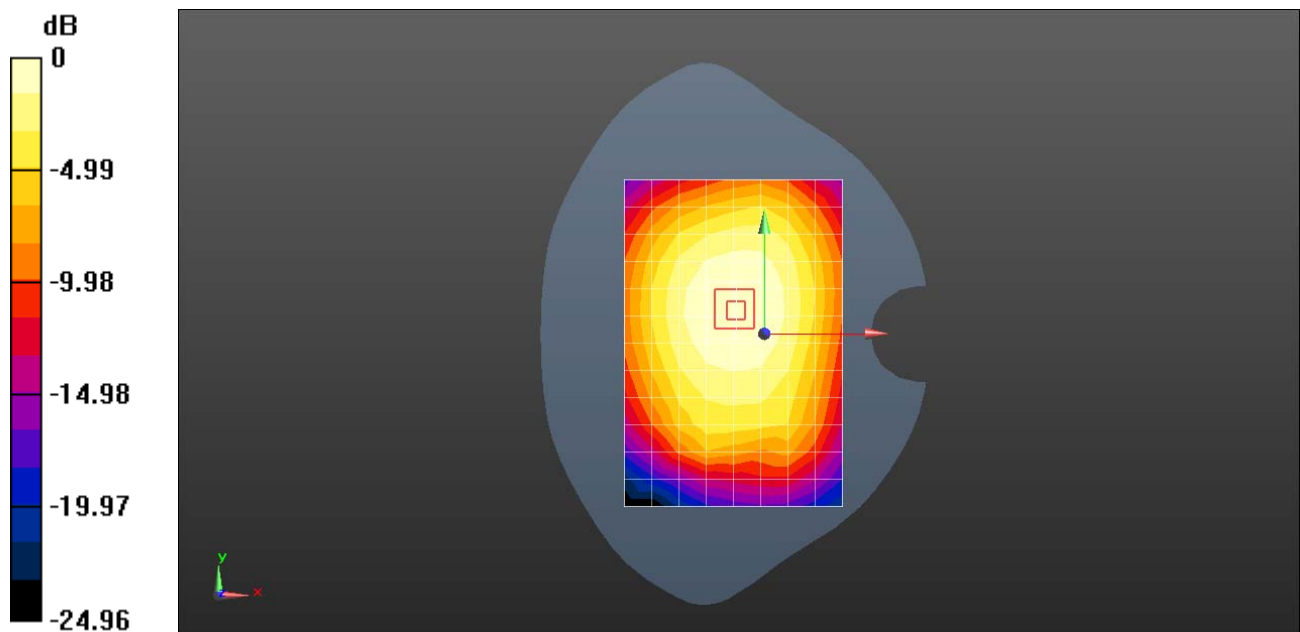
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.07 V/m ; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.290 W/kg ; SAR(10 g) = 0.233 W/kg

Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 LTE Band 5 10M QPSK 50%RB 13 Offset 20600CH Back Side 10mm with Battery2

DUT: DRA-L01; Type: Smart Phone; Serial: SAR1

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

Medium parameters used: $f = 844 \text{ MHz}$; $\sigma = 0.933 \text{ S/m}$; $\epsilon_r = 53.385$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7489; ConvF(10.8, 10.8, 10.8); Calibrated: 2018-1-9;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017-6-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.408 W/kg

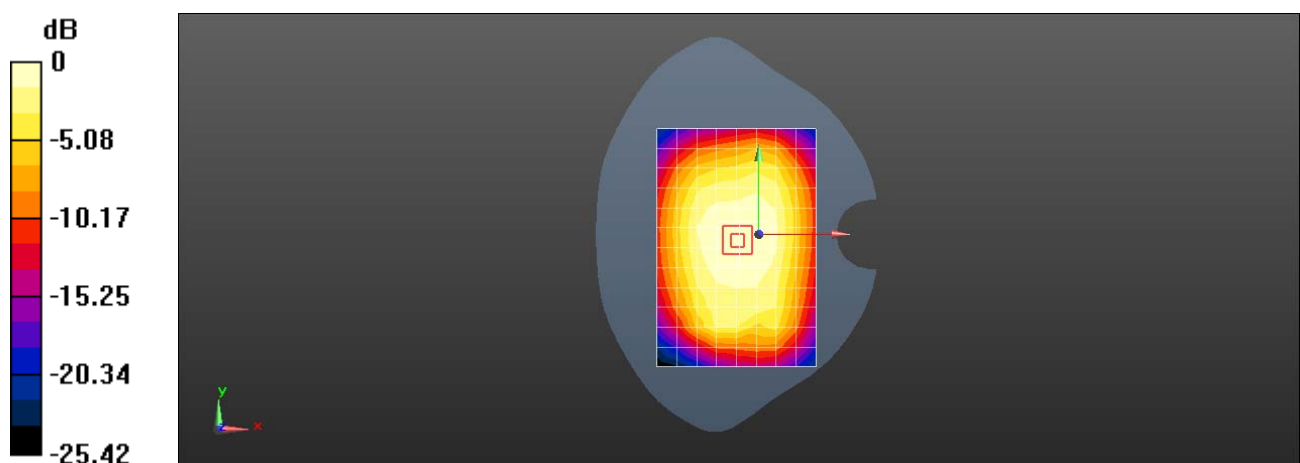
Configuration/Body/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.06 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.349 W/kg ; SAR(10 g) = 0.278 W/kg

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



$0 \text{ dB} = 0.408 \text{ W/kg} = -3.89 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 LTE Band 7 20M QPSK 18RB 41 offset 21100CH Right Touch with Battery3

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.935$ S/m; $\epsilon_r = 39.577$; $\rho = 1000$ 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 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.166 W/kg

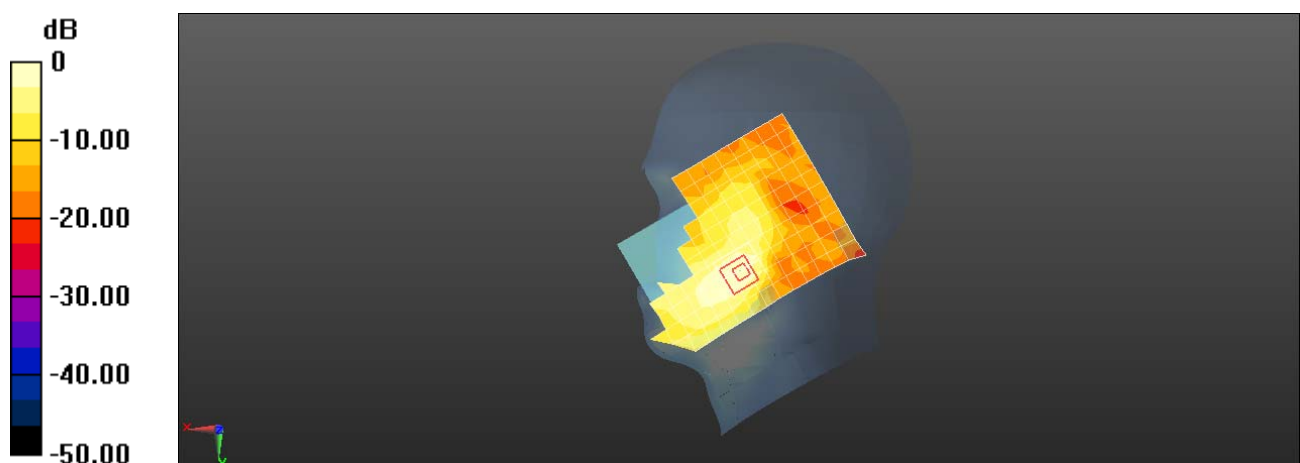
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.745 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.064 W/kg

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



0 dB = 0.166 W/kg = -7.80 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 LTE Band 7 20M QPSK 18RB 41 offset 21100CH Back Side 15mm

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 2535 \text{ MHz}$; $\sigma = 2.077 \text{ S/m}$; $\epsilon_r = 51.785$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

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

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

Maximum value of SAR (measured) = 1.09 W/kg

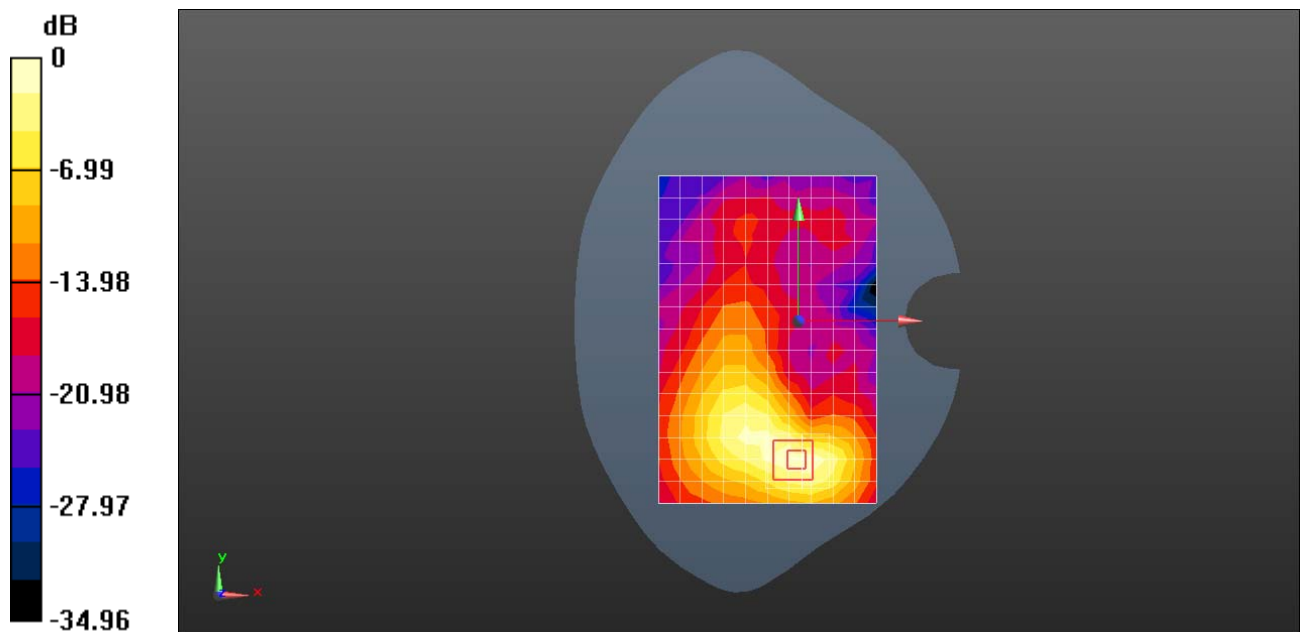
Configuration/Body/Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.114 V/m ; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.765 W/kg ; SAR(10 g) = 0.405 W/kg

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 LTE Band 7 20M QPSK 1RB 50 offset 21100CH Back Side 10mm

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.077$ S/m; $\epsilon_r = 51.785$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

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

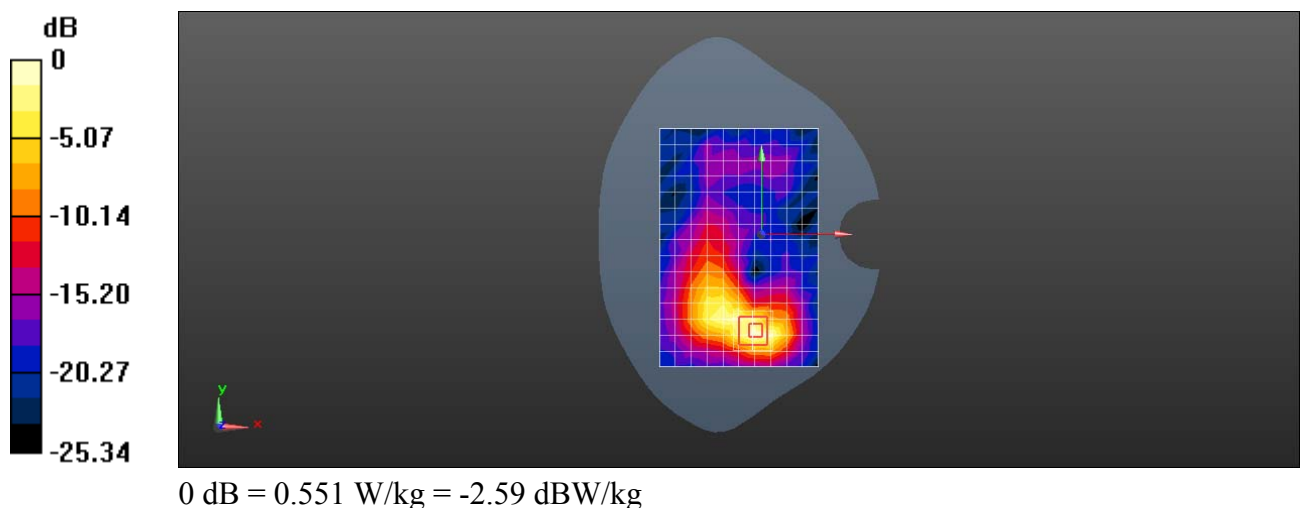
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.853 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.786 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.653 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 WiFi 2.4G 11b 11CH Left Tilt

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.874 \text{ S/m}$; $\epsilon_r = 40.118$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

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

Configuration/Head/Area Scan (11x16x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 0.427 W/kg

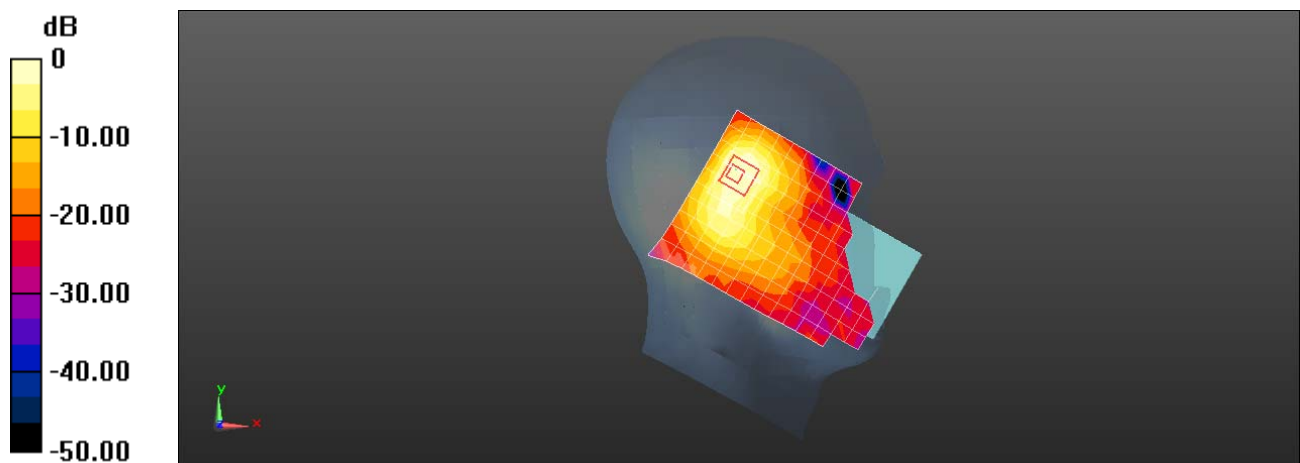
Configuration/Head/Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.02 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.285 W/kg ; SAR(10 g) = 0.138 W/kg

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



$0 \text{ dB} = 0.427 \text{ W/kg} = -3.70 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 WiFi 2.4G 11b 11CH Back Side 15mm

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.932 \text{ S/m}$; $\epsilon_r = 51.818$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

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

Configuration/Body/Area Scan (11x16x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 0.182 W/kg

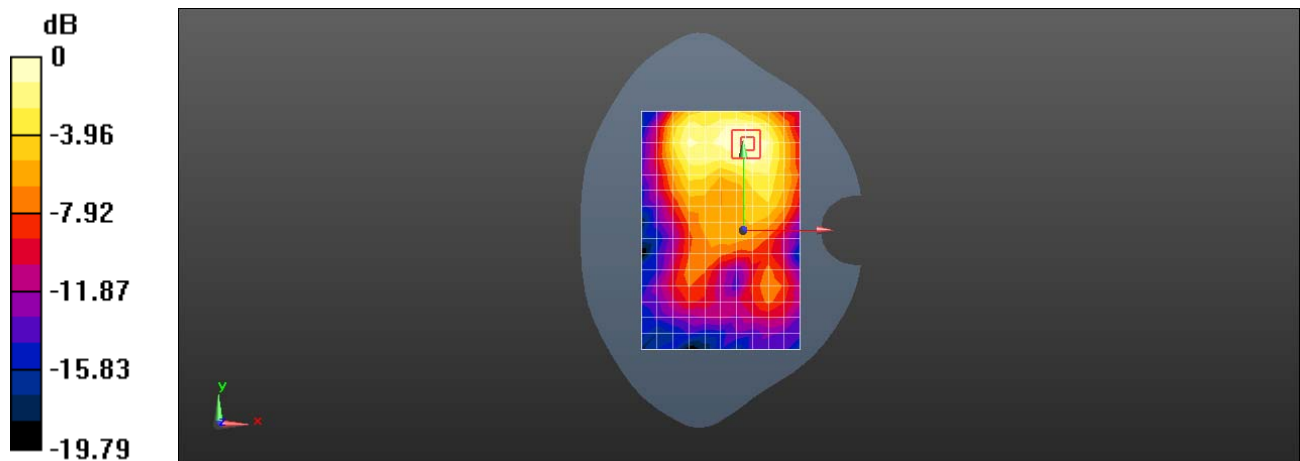
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.200 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.136 W/kg ; SAR(10 g) = 0.085 W/kg

Maximum value of SAR (measured) = 0.188 W/kg



$0 \text{ dB} = 0.182 \text{ W/kg} = -7.40 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

DRA-L01 WiFi 2.4G 11b 11CH Back Side 10mm

DUT: DRA-L01; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.932 \text{ S/m}$; $\epsilon_r = 51.818$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

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

Configuration/Body/Area Scan (11x16x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 0.337 W/kg

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

Reference Value = 6.322 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.252 W/kg ; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.400 W/kg

