

**Appendix B. SAR Measurement Plots**

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Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 190CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 40.931$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.482 W/kg

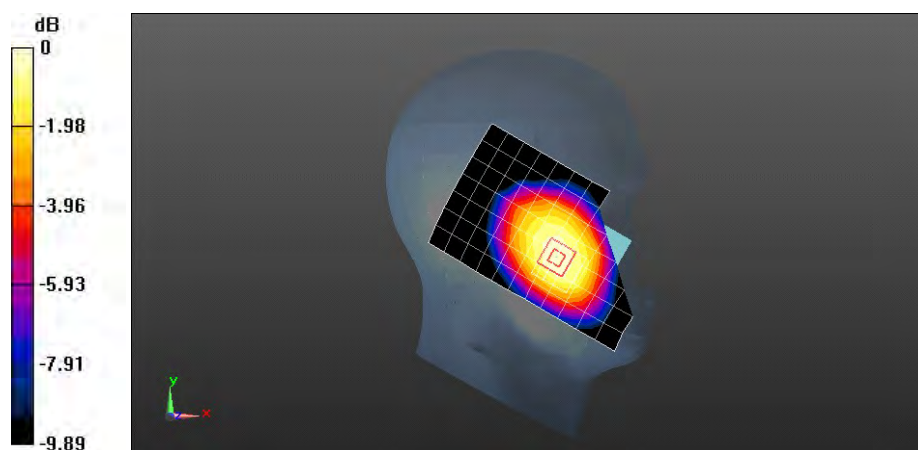
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.044 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.630 W/kg

SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.351 W/kg

Maximum value of SAR (measured) = 0.494 W/kg



0 dB = 0.494 W/kg = -3.06 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 190CH Left hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 40.931$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.353 W/kg

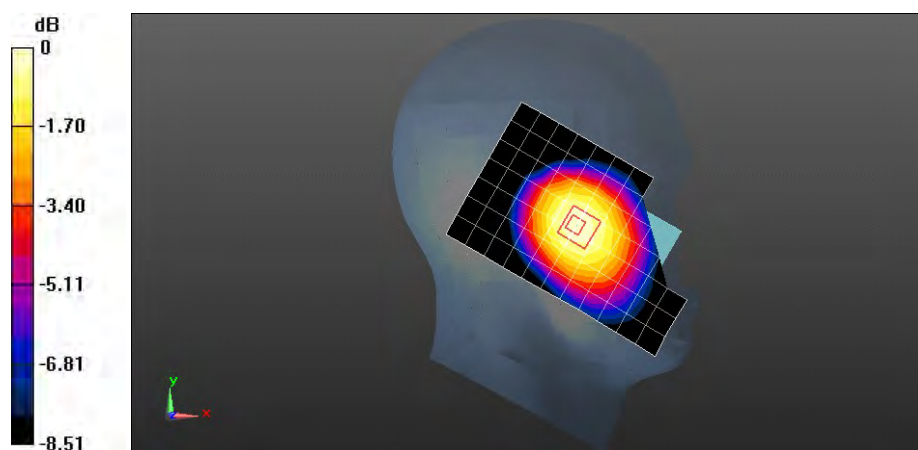
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.995 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.264 W/kg

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



0 dB = 0.359 W/kg = -4.45 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 190CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 40.931$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.519 W/kg

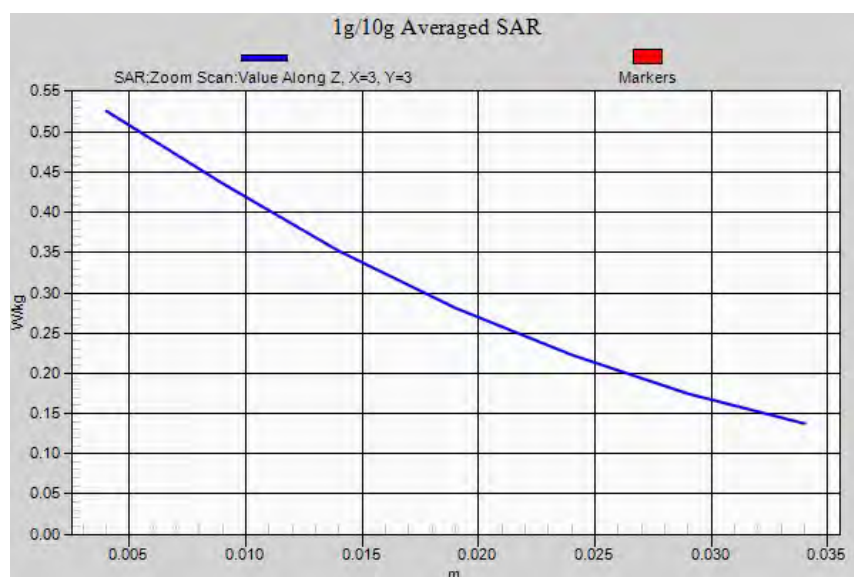
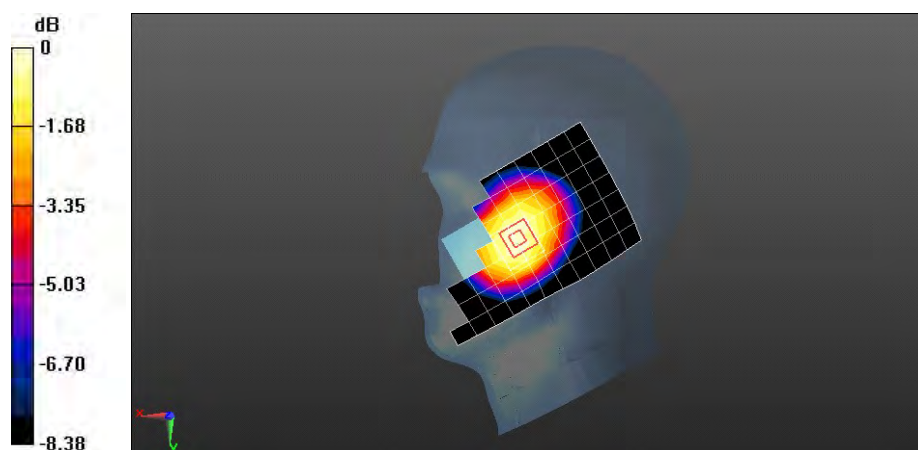
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.575 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.598 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.391 W/kg

Maximum value of SAR (measured) = 0.526 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 190CH Right hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 40.931$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.358 W/kg

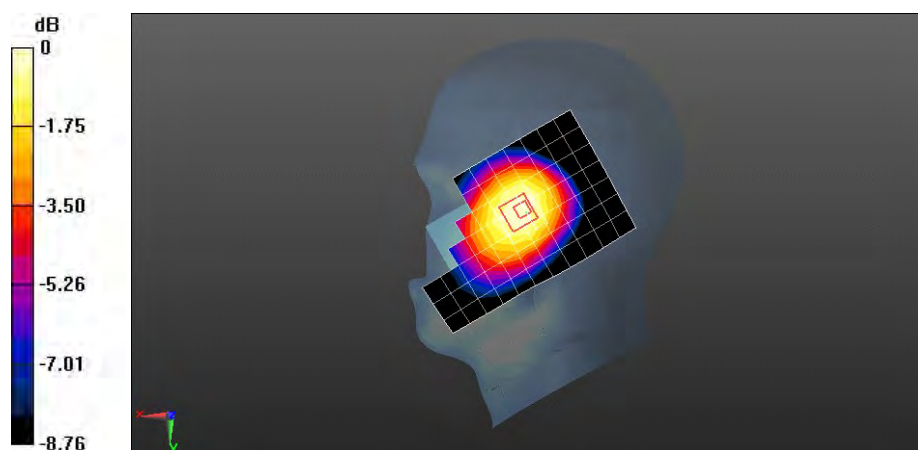
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.911 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.428 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 0.364 W/kg



0 dB = 0.364 W/kg = -4.39 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 190CH Right hand touch cheek with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 40.931$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

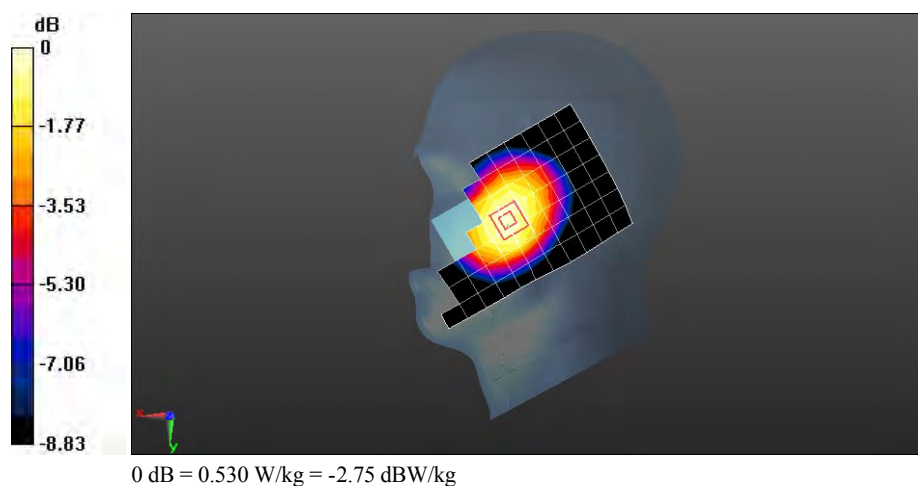
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.441 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.605 W/kg

SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.392 W/kg

Maximum value of SAR (measured) = 0.530 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 1TS 190CH Towards Phantom 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 53.977$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.585 W/kg

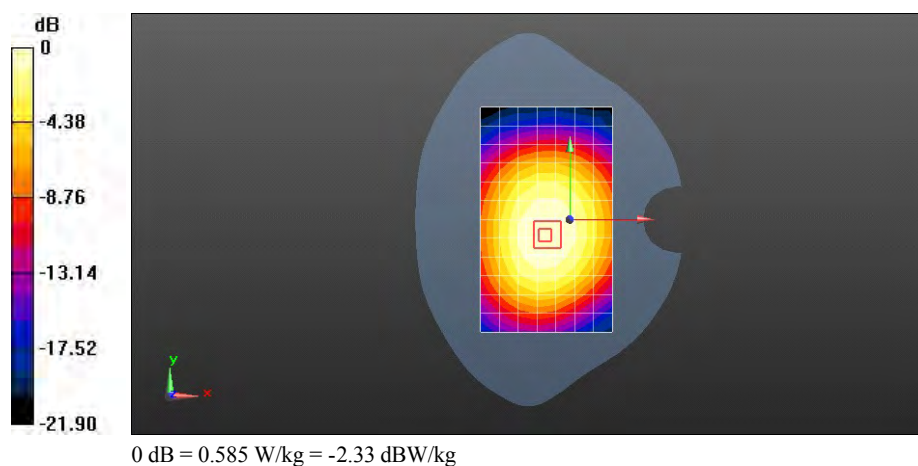
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 24.402 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.432 W/kg

Maximum value of SAR (measured) = 0.604 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 2TS 190CH Towards Phantom 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 53.977$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.513 W/kg

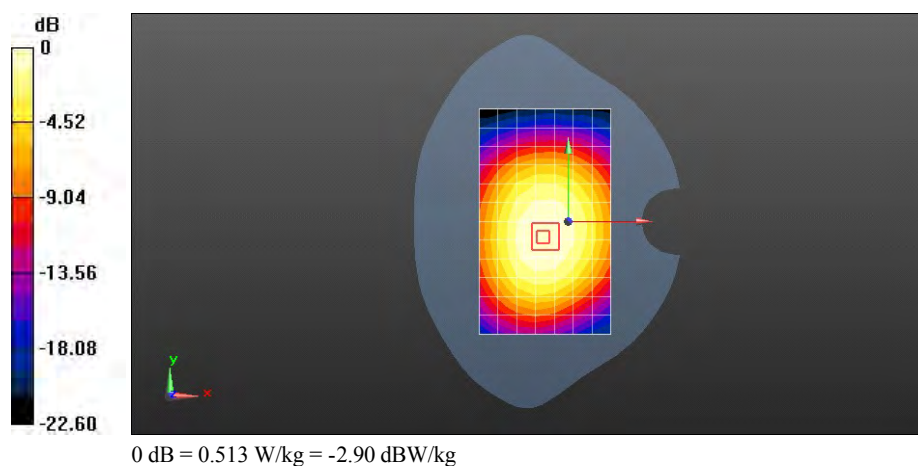
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.904 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.377 W/kg

Maximum value of SAR (measured) = 0.525 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 1TS 251CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 849$ MHz; $\sigma = 0.968$ mho/m; $\epsilon_r = 53.734$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

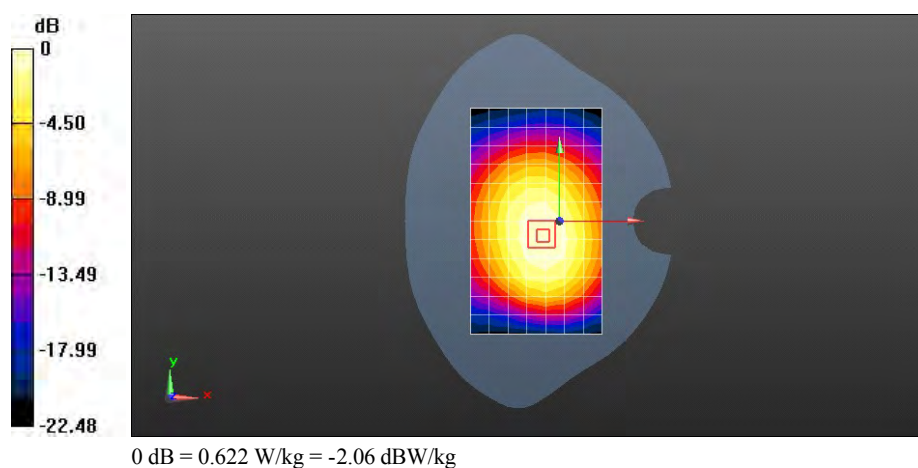
Maximum value of SAR (measured) = 0.622 W/kg

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

Reference Value = 24.516 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.767 W/kg

SAR(1 g) = 0.592 W/kg; SAR(10 g) = 0.435 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 1TS 190CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 53.977$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.733 W/kg

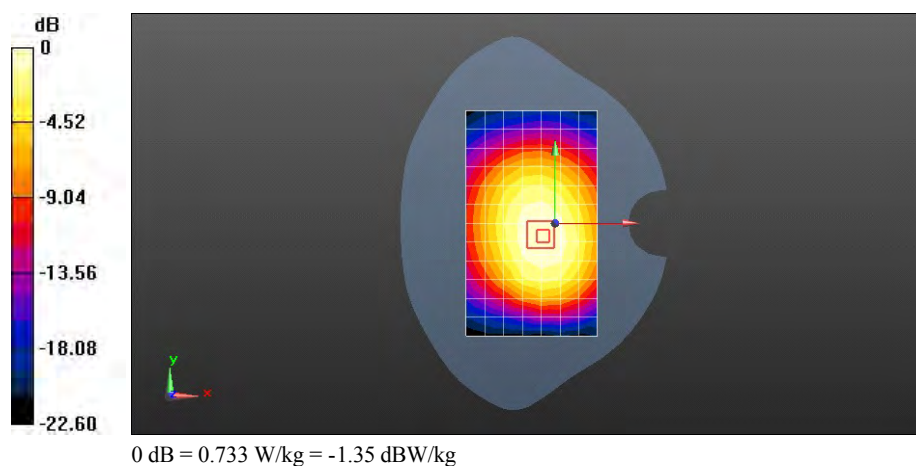
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 26.897 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.925 W/kg

SAR(1 g) = 0.707 W/kg; SAR(10 g) = 0.521 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 1TS 128CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 54.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.830 W/kg

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

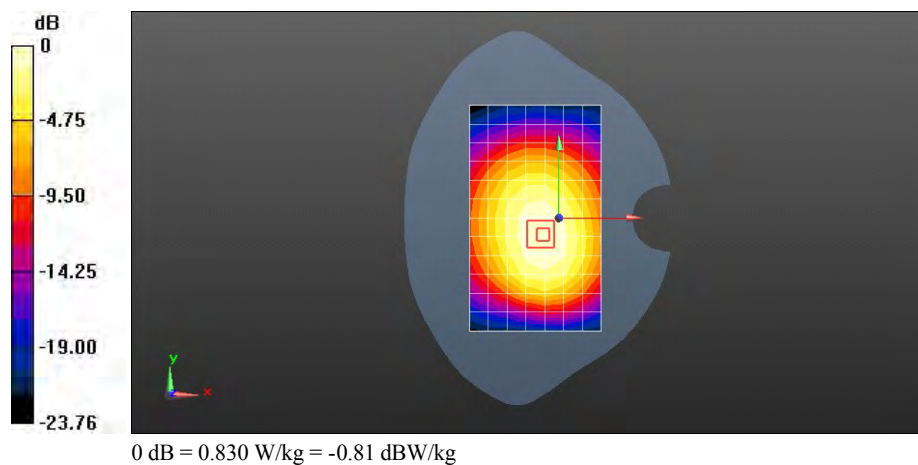
Reference Value = 28.437 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.784 W/kg; SAR(10 g) = 0.579 W/kg

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

Maximum value of SAR (measured) = 0.824 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 1TS 251CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 849$ MHz; $\sigma = 0.968$ mho/m; $\epsilon_r = 53.734$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.650 W/kg

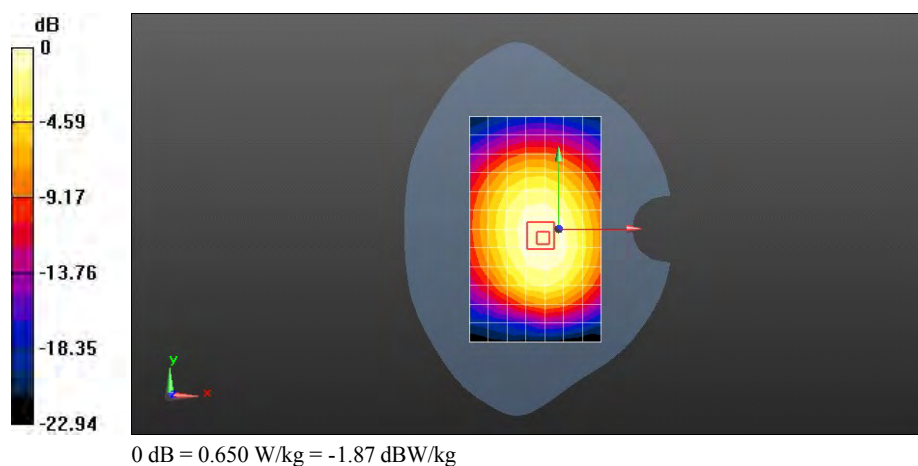
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 25.821 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.464 W/kg

Maximum value of SAR (measured) = 0.669 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 1TS 190CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 53.977$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.736 W/kg

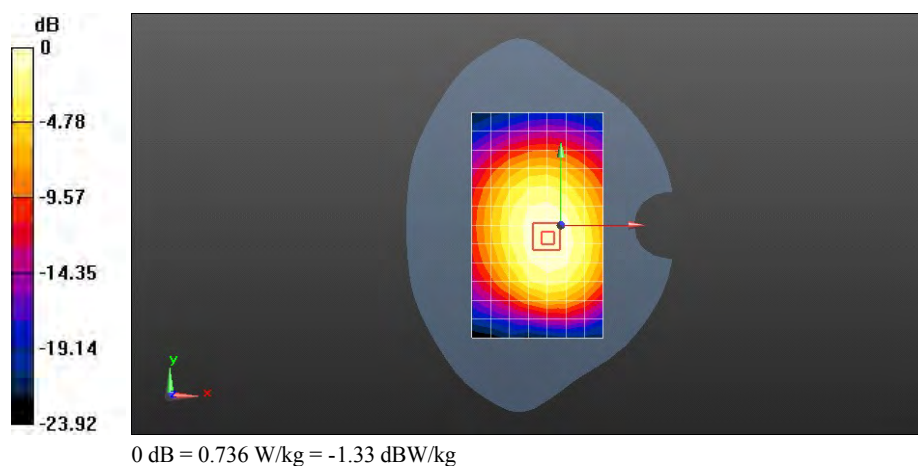
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 27.093 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.523 W/kg

Maximum value of SAR (measured) = 0.753 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 1TS 128CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone ; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 54.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.856 W/kg

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

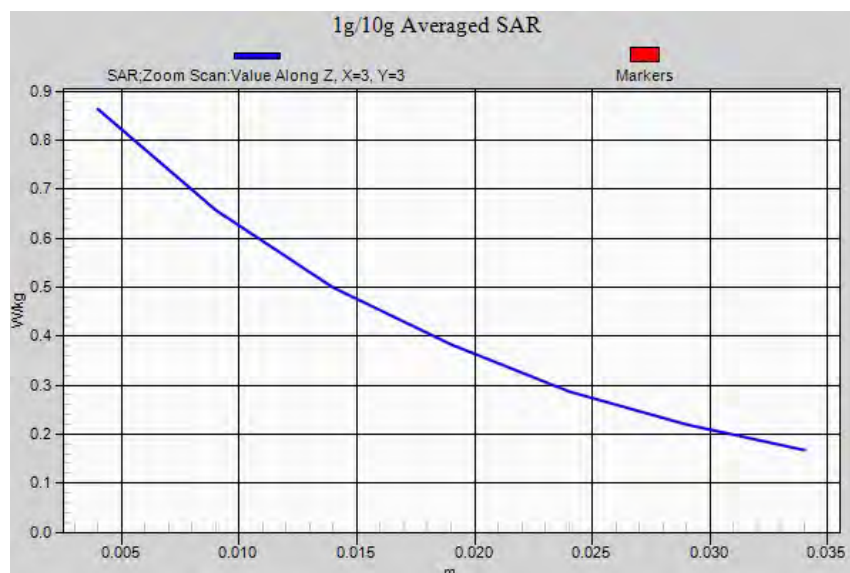
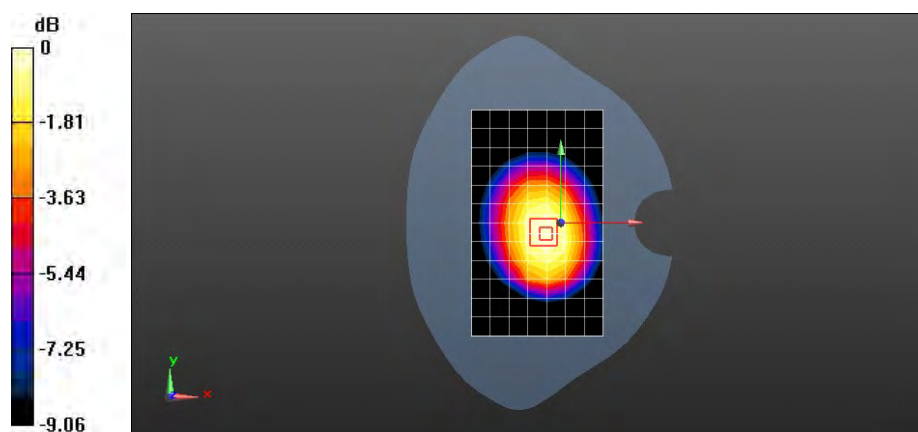
Reference Value = 29.728 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.599 W/kg

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

Maximum value of SAR (measured) = 0.863 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 1TS 128CH Towards Ground 15mm-Repeated

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 54.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.852 W/kg

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

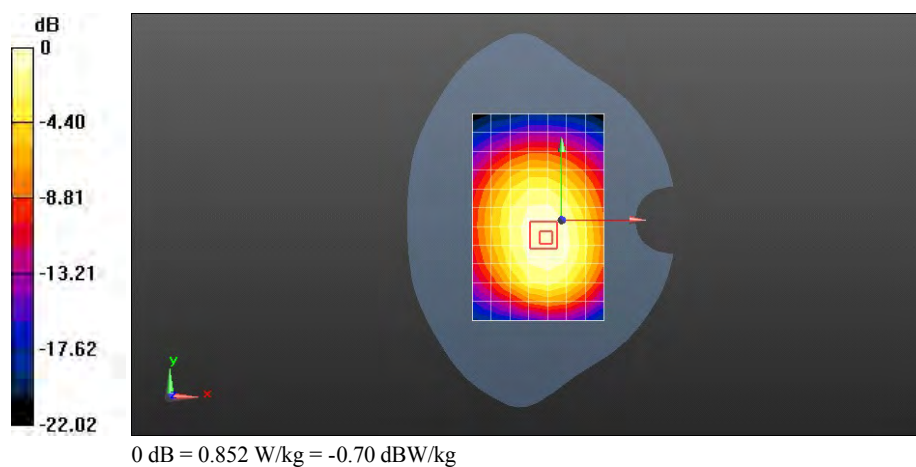
Reference Value = 28.920 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.822 W/kg; SAR(10 g) = 0.605 W/kg

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

Maximum value of SAR (measured) = 0.870 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 2TS 251CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 848.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 849$ MHz; $\sigma = 0.968$ mho/m; $\epsilon_r = 53.734$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.561 W/kg

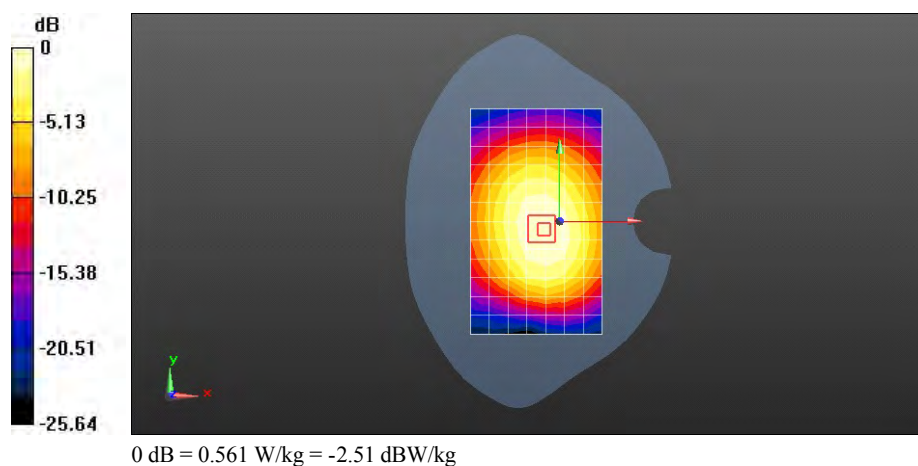
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 24.040 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.717 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.402 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 2TS 190CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 53.977$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.643 W/kg

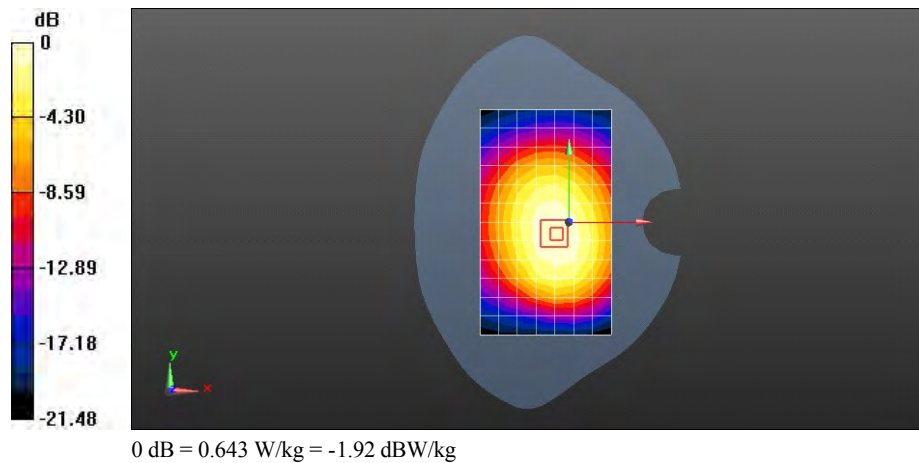
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 25.337 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.802 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.456 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 2TS 128CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 824.2 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 54.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.736 W/kg

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

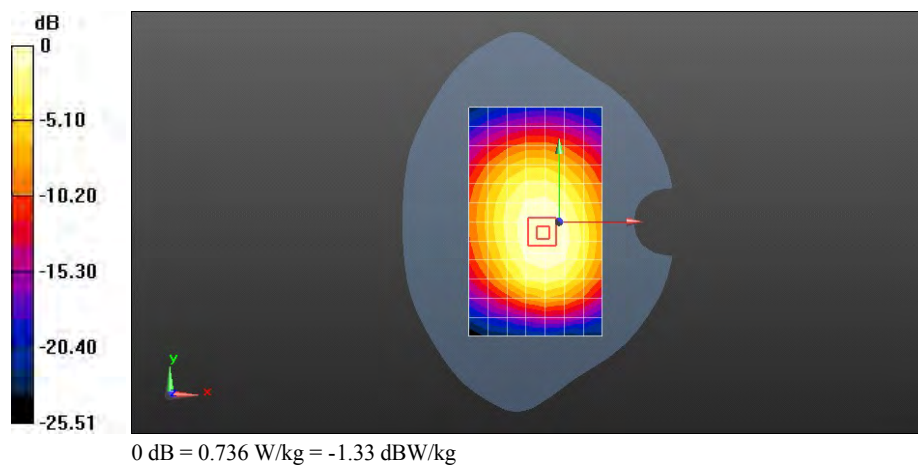
Reference Value = 27.419 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.939 W/kg

SAR(1 g) = 0.715 W/kg; SAR(10 g) = 0.526 W/kg

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

Maximum value of SAR (measured) = 0.756 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 128CH Towards Ground 15mm with Headset

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 54.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.593 W/kg

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

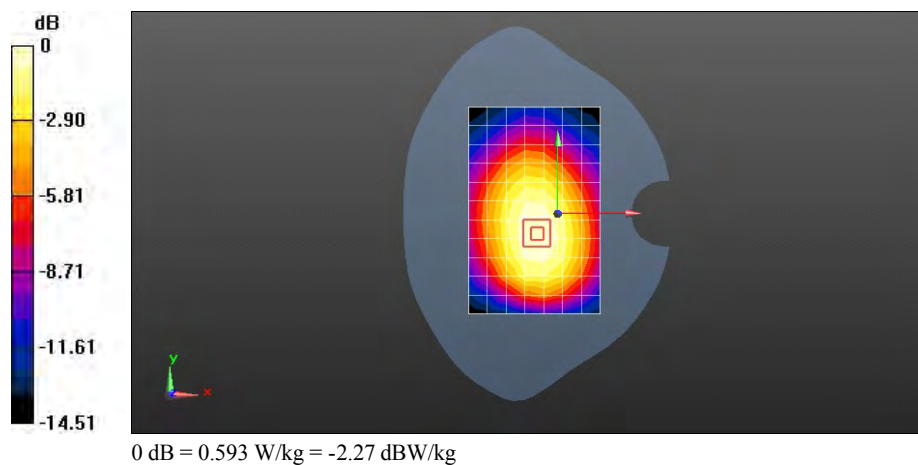
Reference Value = 24.407 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.423 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 1TS 128CH Towards Ground 15mm with battery 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 54.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.810 W/kg

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

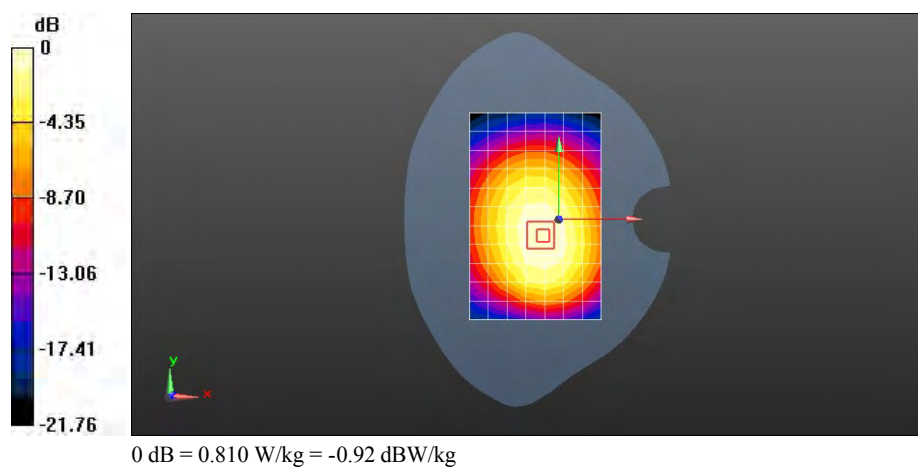
Reference Value = 28.547 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.788 W/kg; SAR(10 g) = 0.582 W/kg

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

Maximum value of SAR (measured) = 0.834 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 1TS 190CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.245 W/kg

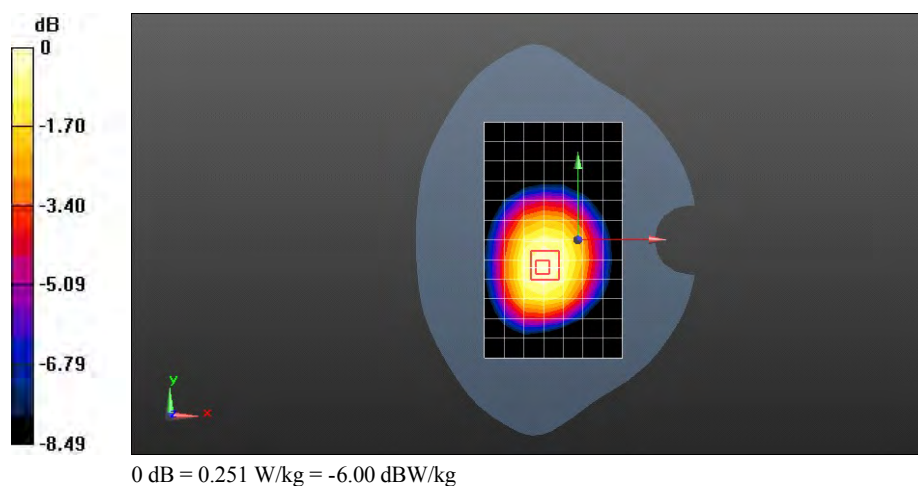
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.617 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.181 W/kg

Maximum value of SAR (measured) = 0.251 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 2TS 190CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

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

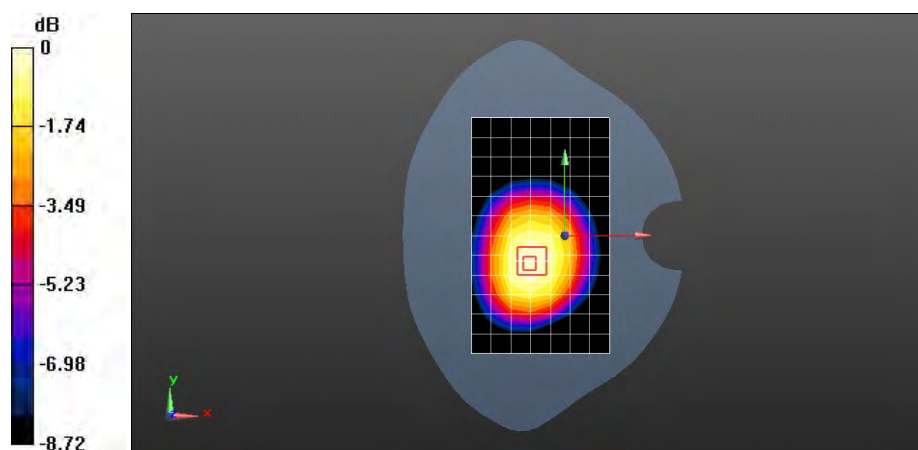
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.887 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.235 W/kg

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



0 dB = 0.324 W/kg = -4.89 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 2TS 190CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

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

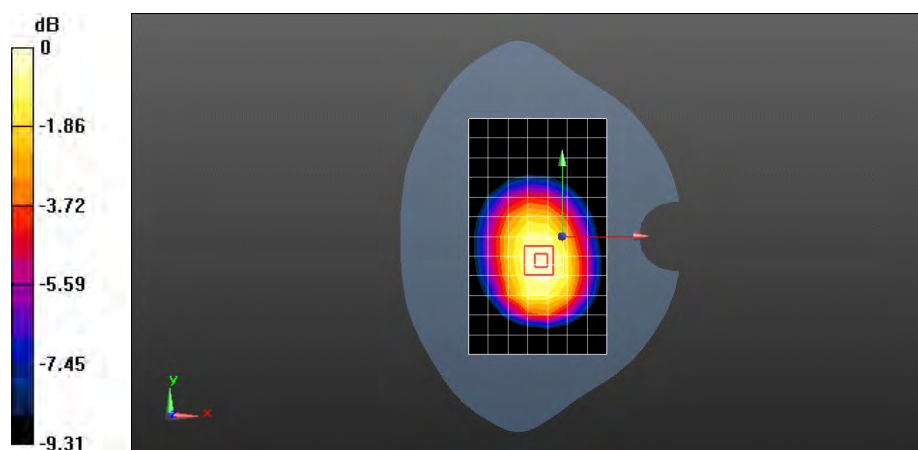
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 18.800 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.401 W/kg



0 dB = 0.401 W/kg = -3.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 2TS 190CH Left edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

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

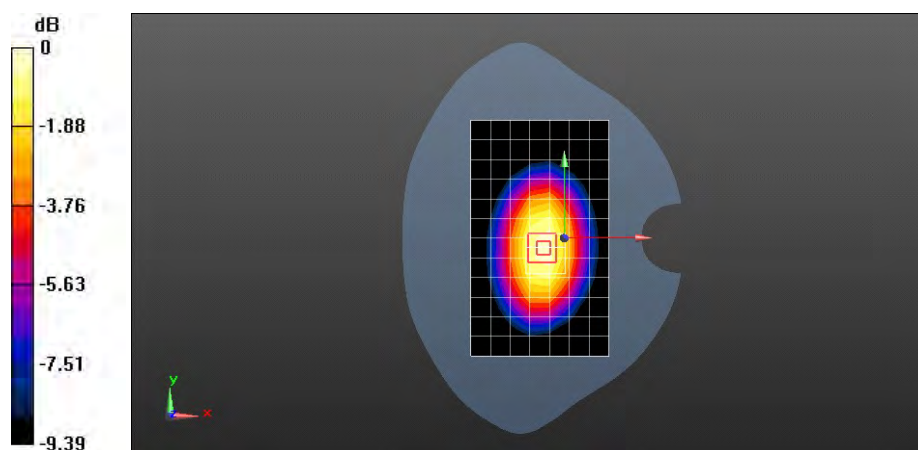
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.694 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.179 W/kg

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



0 dB = 0.272 W/kg = -5.65 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 2TS 190CH Right edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.269 W/kg

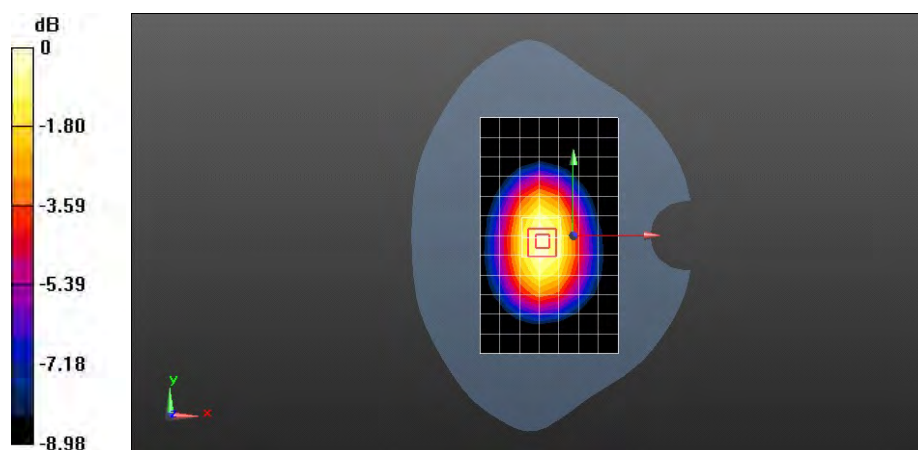
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.264 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.182 W/kg

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



0 dB = 0.273 W/kg = -5.63 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 GPRS 2TS 190CH Bottom edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 837$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.0448 W/kg

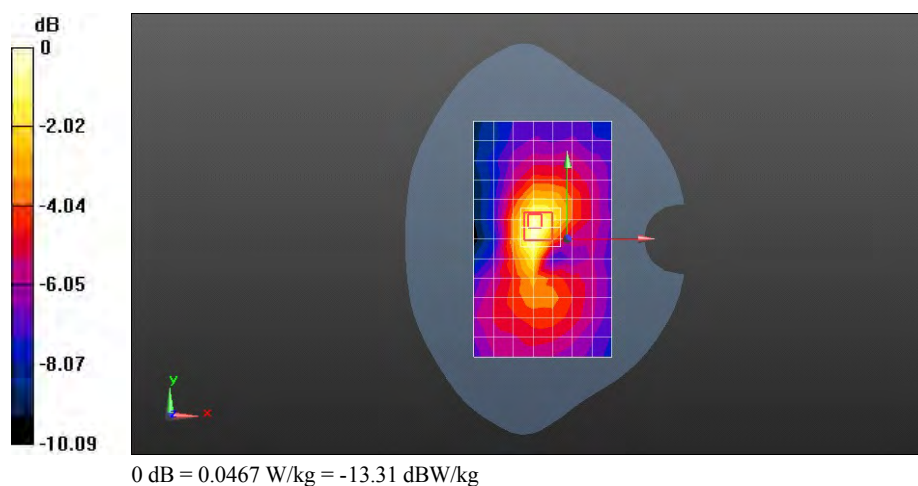
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.855 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0467 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 1TS 190CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 837$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.298 W/kg

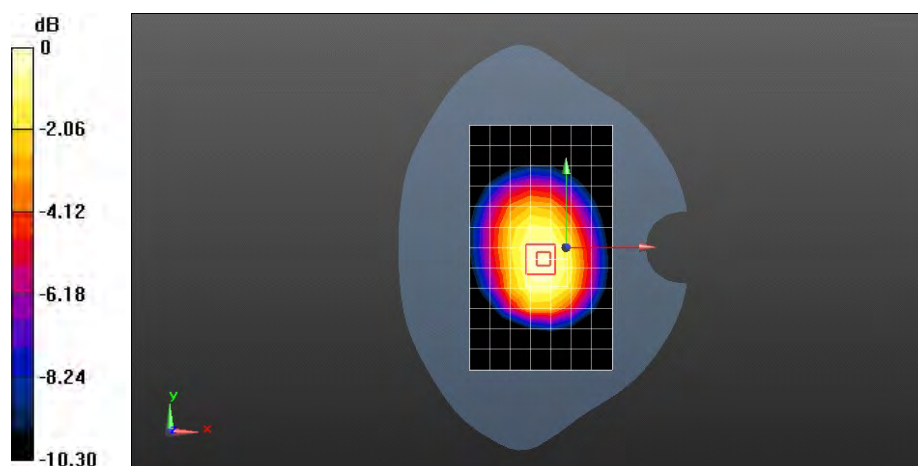
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.722 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.220 W/kg

Maximum value of SAR (measured) = 0.314 W/kg



0 dB = 0.314 W/kg = -5.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 2TS 190CH Towards Ground 10mm**DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 897.4 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated): $f = 897.4$ MHz; $\sigma = 1.038$ mho/m; $\epsilon_r = 53.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.439 W/kg

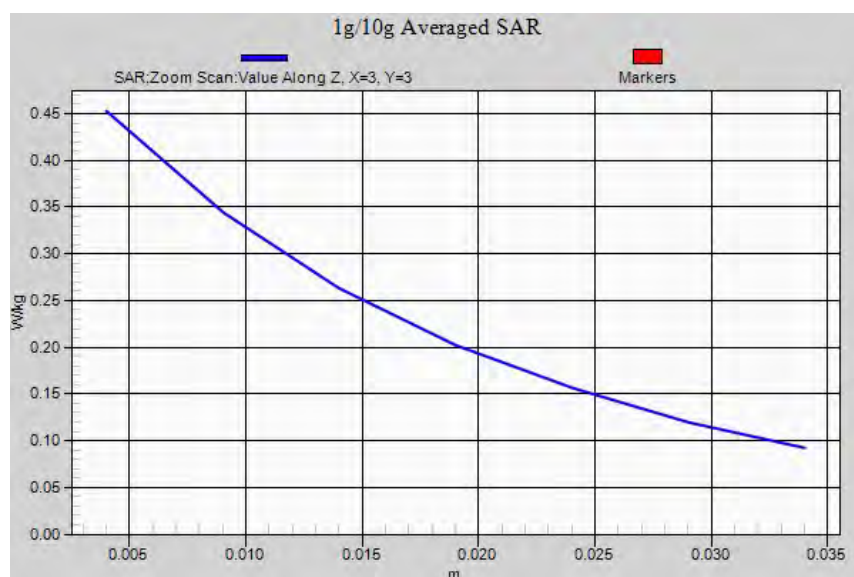
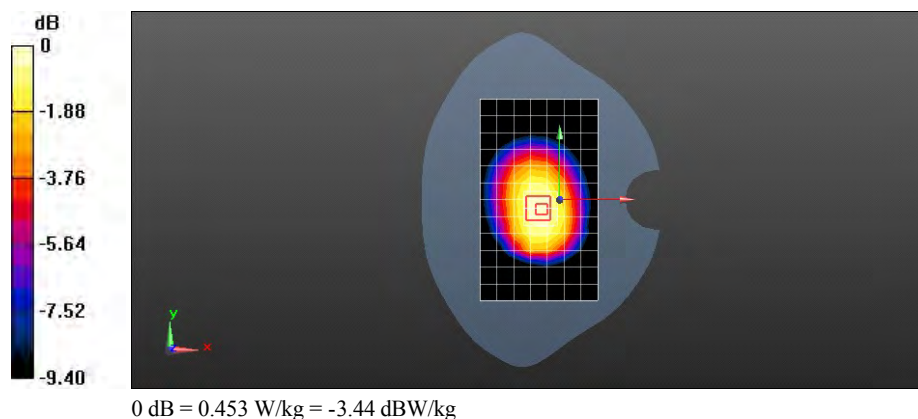
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.759 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.316 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM850 EGPRS 2TS 190CH Towards Ground 10mm with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 897.4 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated): $f = 897.4$ MHz; $\sigma = 1.038$ mho/m; $\epsilon_r = 53.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.435 W/kg

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

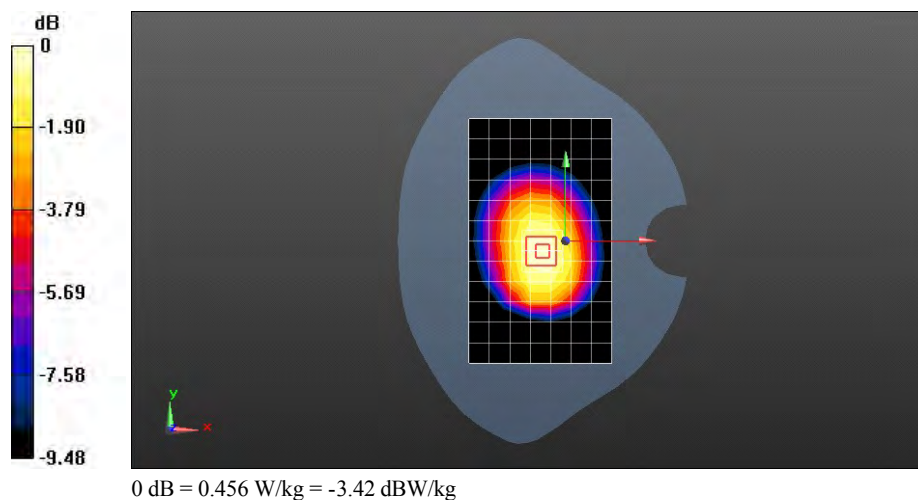
Reference Value = 20.652 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.583 W/kg

SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.315 W/kg

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

Maximum value of SAR (measured) = 0.456 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 810CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.454$ mho/m; $\epsilon_r = 41.372$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.692 W/kg

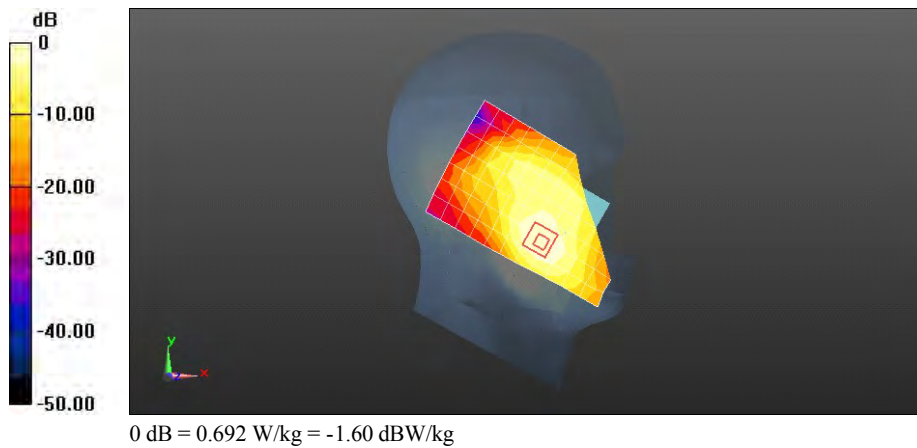
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.435 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.354 W/kg

Maximum value of SAR (measured) = 0.711 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 661CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 41.425$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.890 W/kg

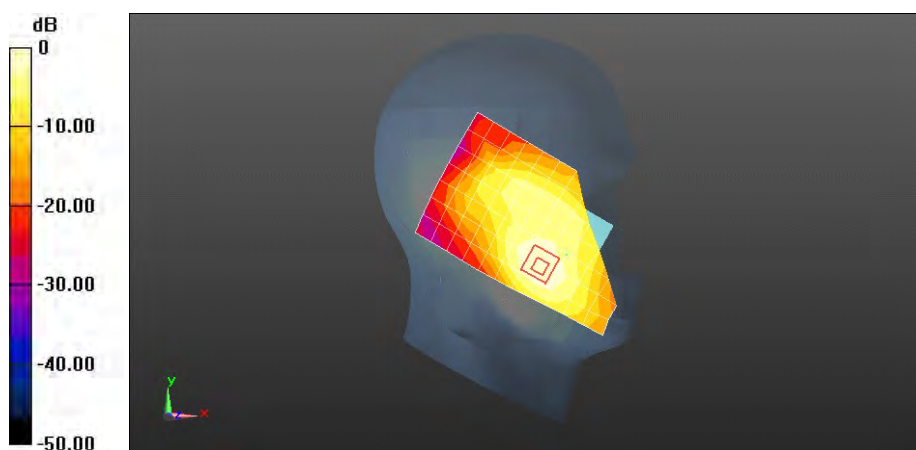
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.899 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.827 W/kg; SAR(10 g) = 0.451 W/kg

Maximum value of SAR (measured) = 0.905 W/kg



0 dB = 0.890 W/kg = -0.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 512CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.398$ mho/m; $\epsilon_r = 41.532$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.896 W/kg

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

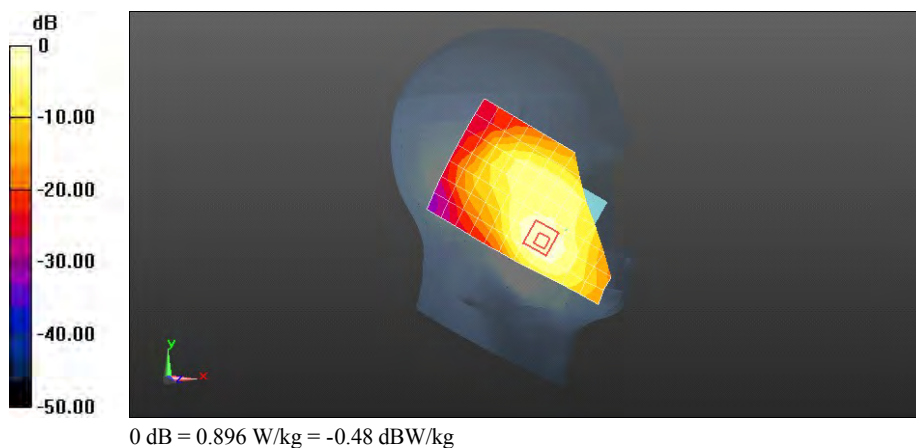
Reference Value = 7.193 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.458 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 661CH Left hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 41.425$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.186 W/kg

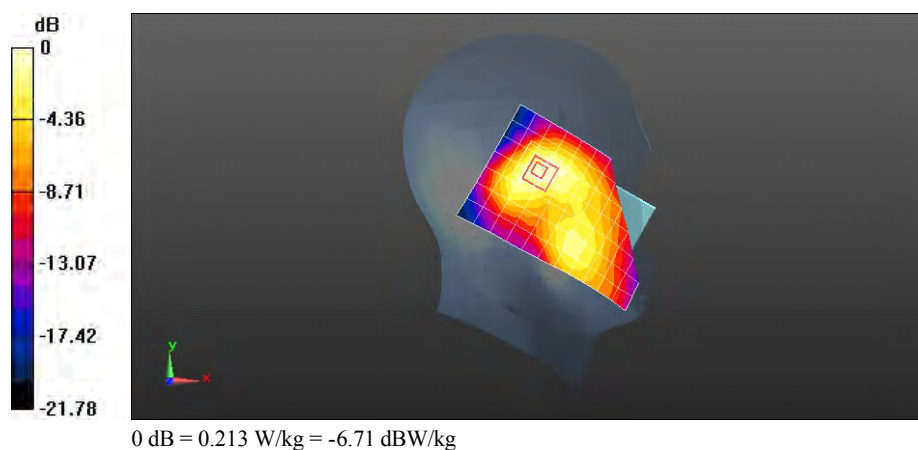
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.210 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.119 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 810CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.454$ mho/m; $\epsilon_r = 41.372$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.487 W/kg

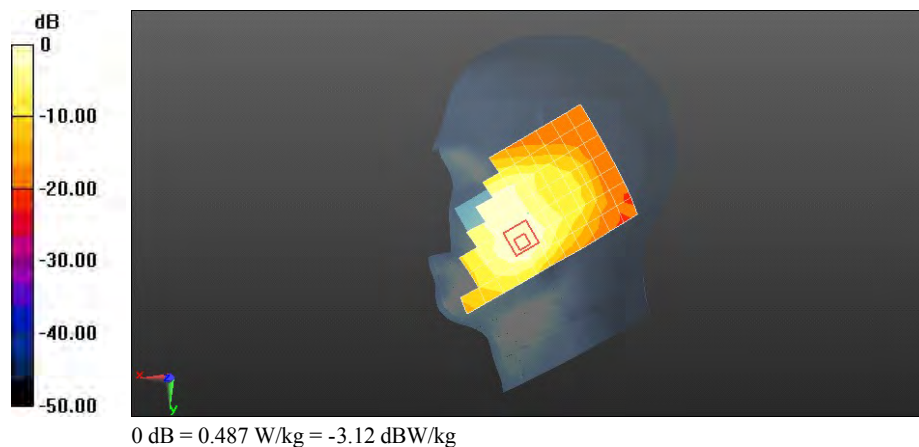
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.434 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.680 W/kg

SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 0.485 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 661CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 41.425$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

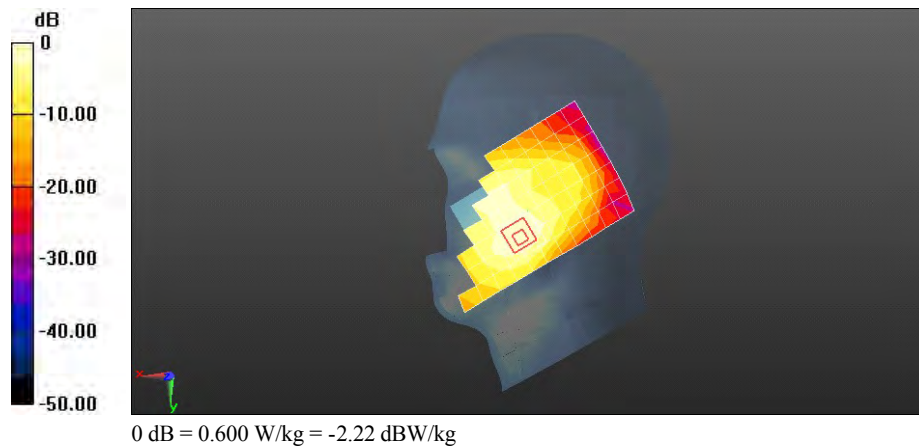
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.162 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.933 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.322 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 512CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.398$ mho/m; $\epsilon_r = 41.532$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.599 W/kg

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

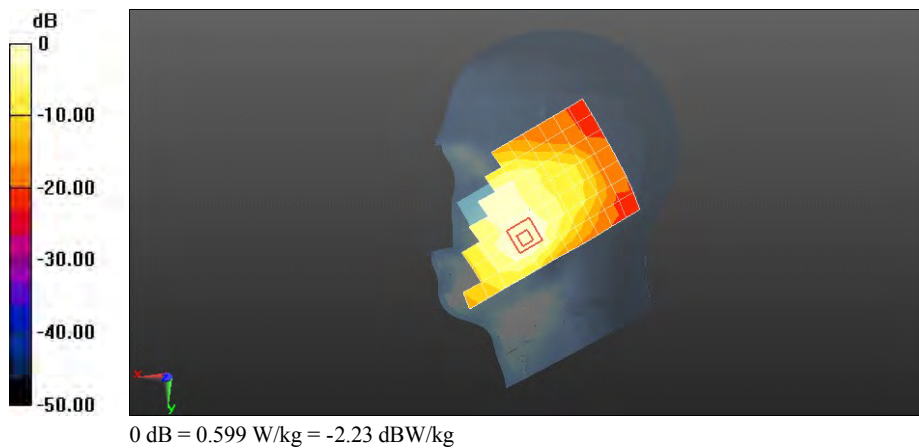
Reference Value = 6.128 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.846 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.336 W/kg

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

Maximum value of SAR (measured) = 0.593 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 661CH Right hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 41.425$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.157 W/kg

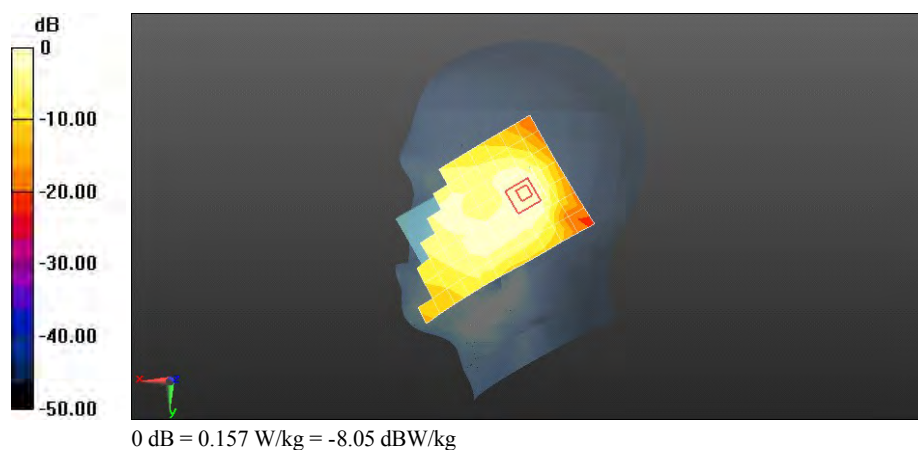
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.155 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.192 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 512CH Left hand touch cheek with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.398$ mho/m; $\epsilon_r = 41.532$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.971 W/kg

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

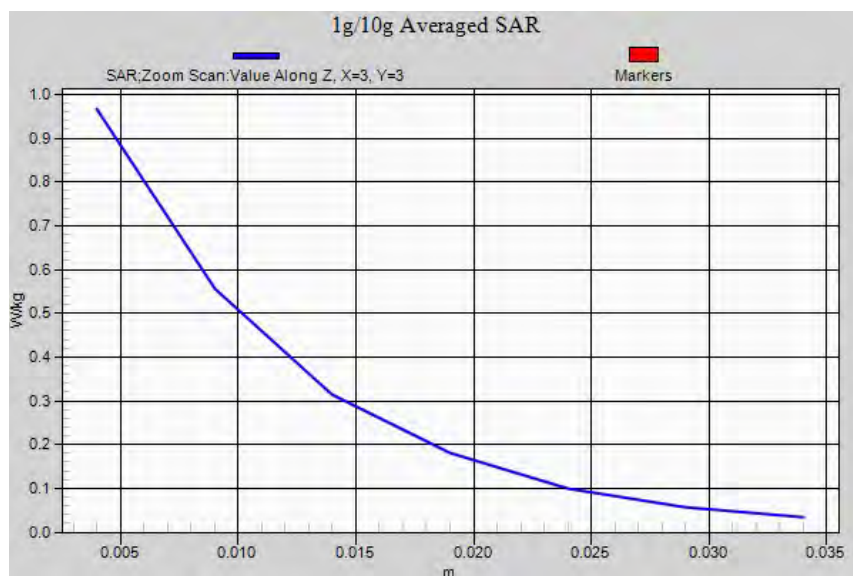
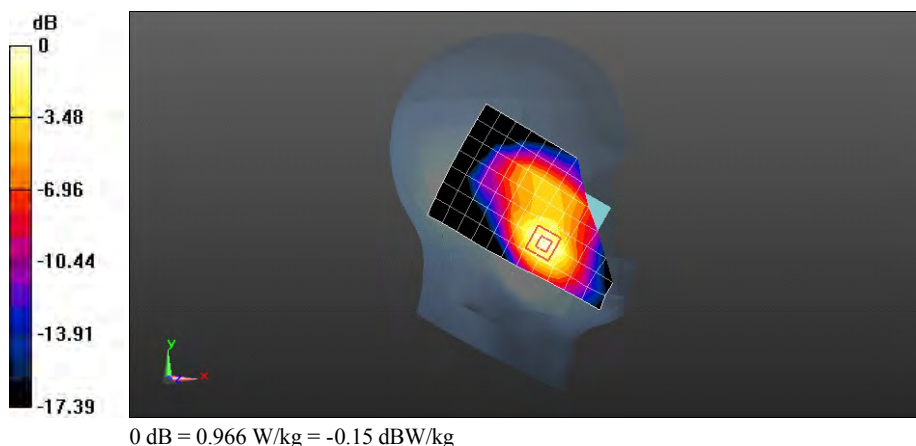
Reference Value = 7.556 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.482 W/kg

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

Maximum value of SAR (measured) = 0.966 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 512CH Left hand touch cheek with batter 2#-repeated

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.398$ mho/m; $\epsilon_r = 41.532$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

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

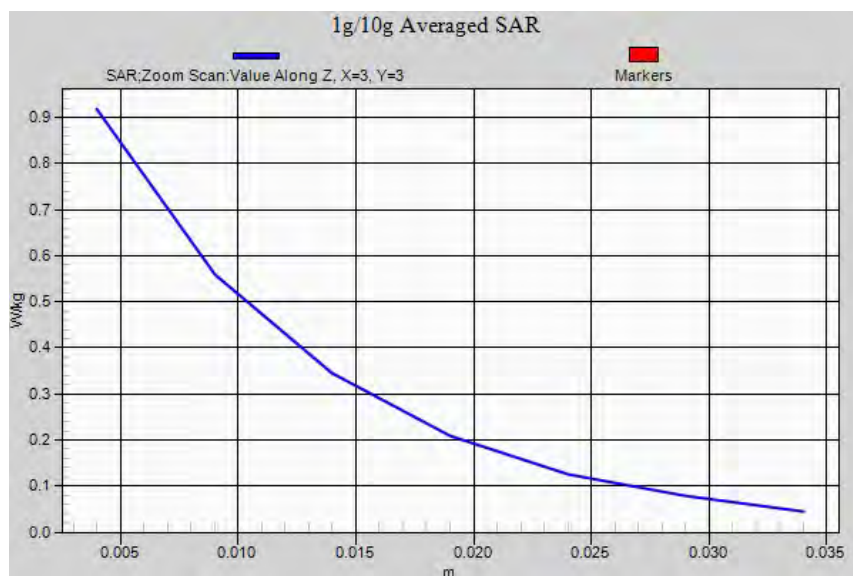
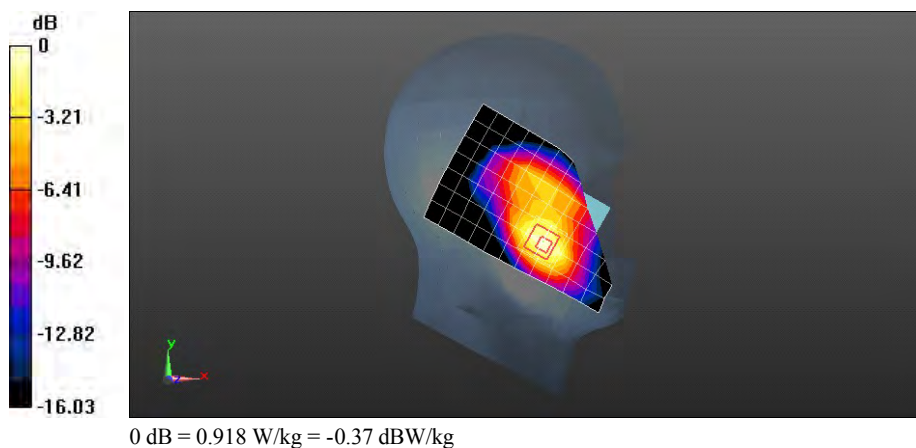
Reference Value = 7.455 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.471 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 1TS 661CH Towards Phantom 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.516 W/kg

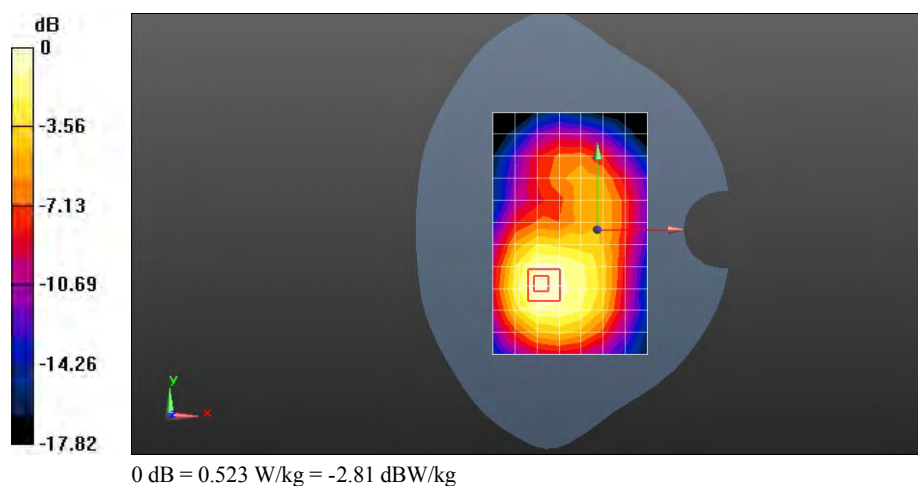
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.762 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.280 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Towards Phantom 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.495 W/kg

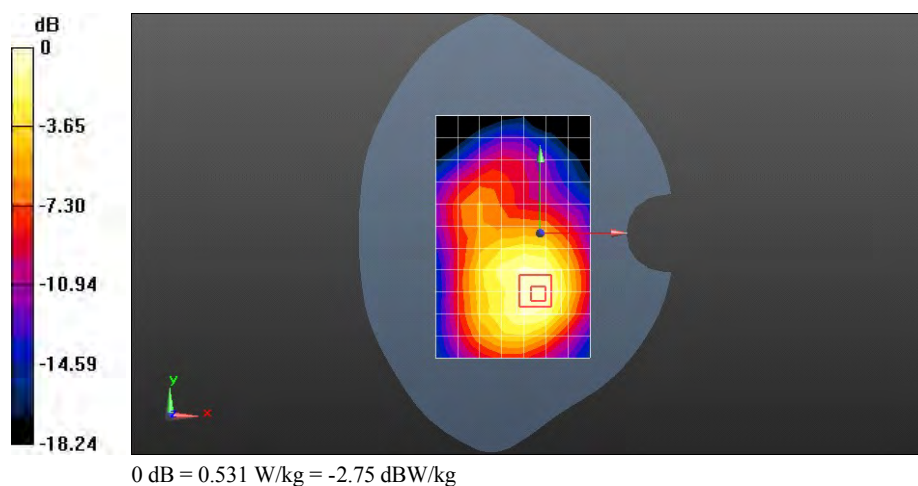
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.241 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 0.531 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.535 W/kg

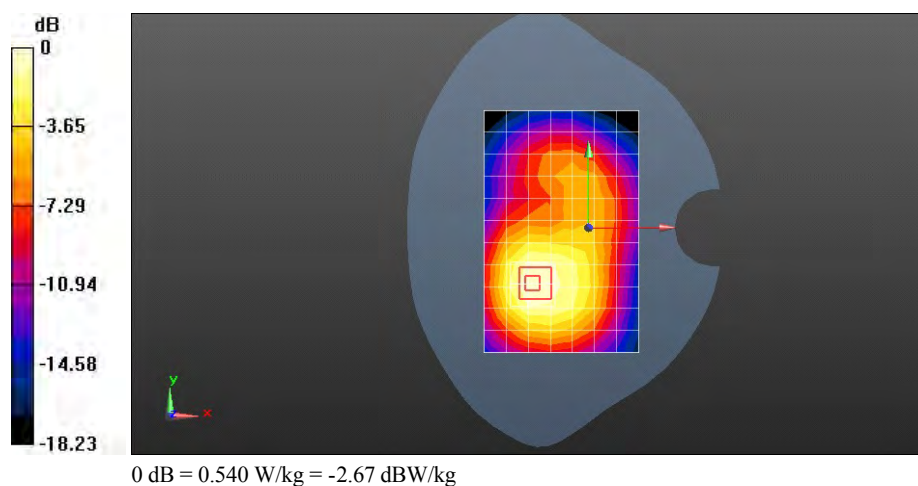
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.932 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.855 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.288 W/kg

Maximum value of SAR (measured) = 0.540 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 EGPRS 1TS 661CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.499 W/kg

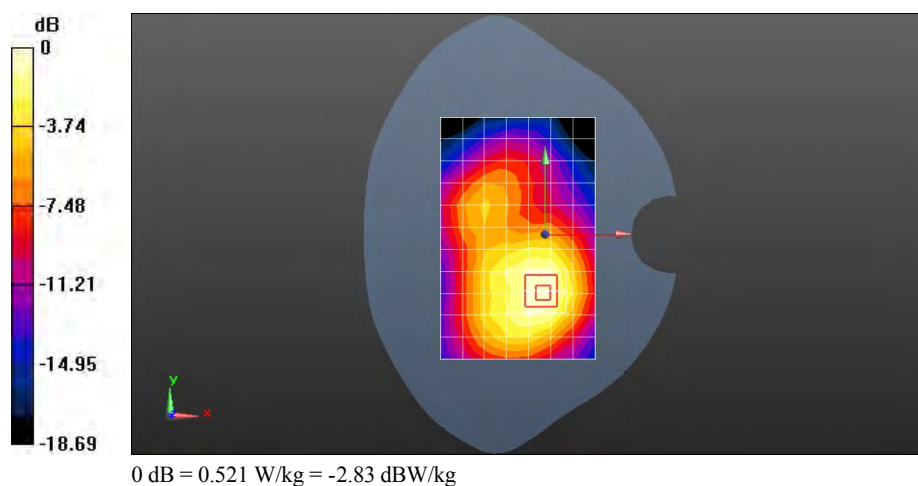
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.277 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.521 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 EGPRS 2TS 661CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.510 W/kg

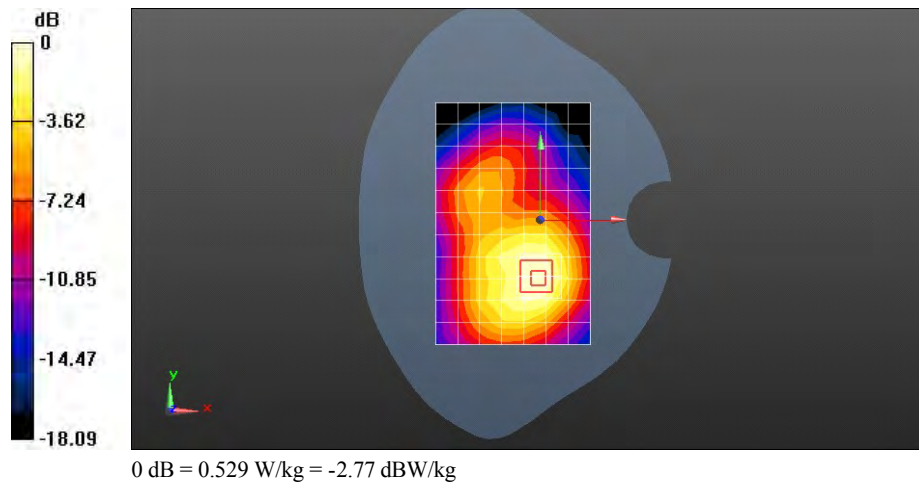
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.444 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 0.529 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 661CH Towards Ground 15mm with Headset

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.440 W/kg

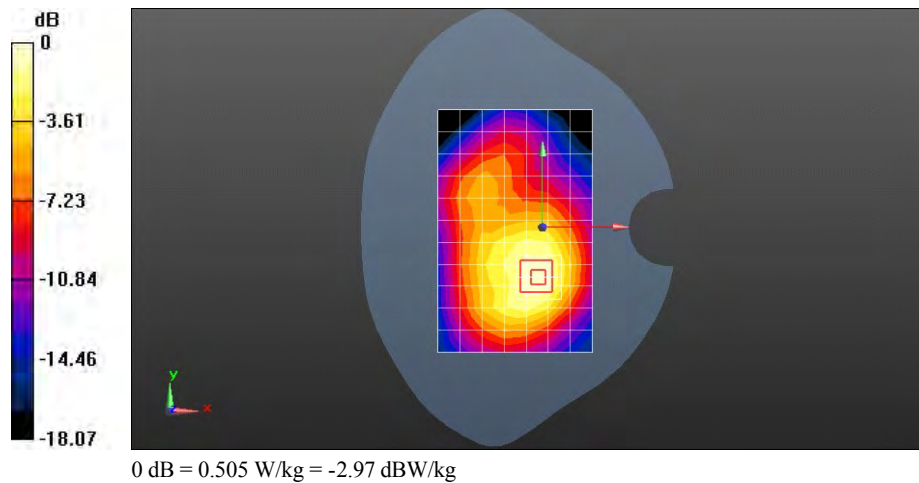
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.486 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.265 W/kg

Maximum value of SAR (measured) = 0.505 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Towards Ground 15mm with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0$, 31.0
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.475 W/kg

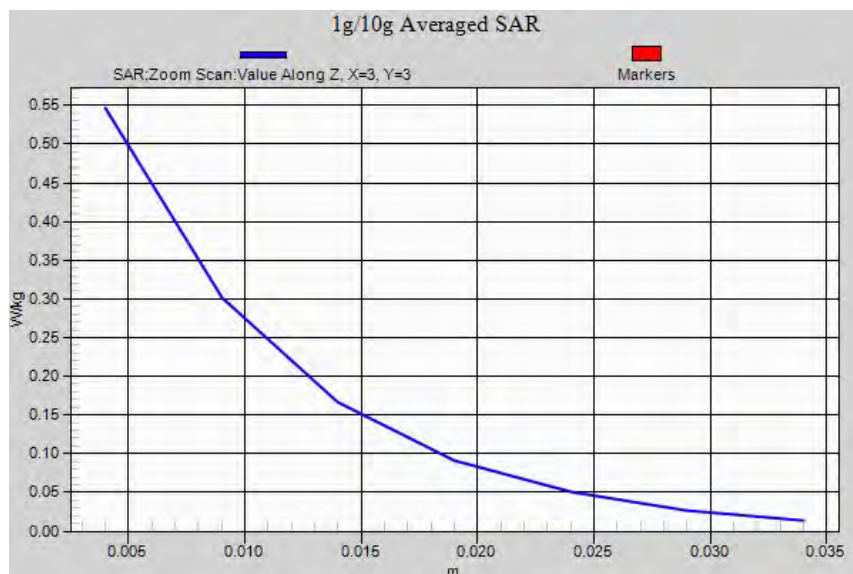
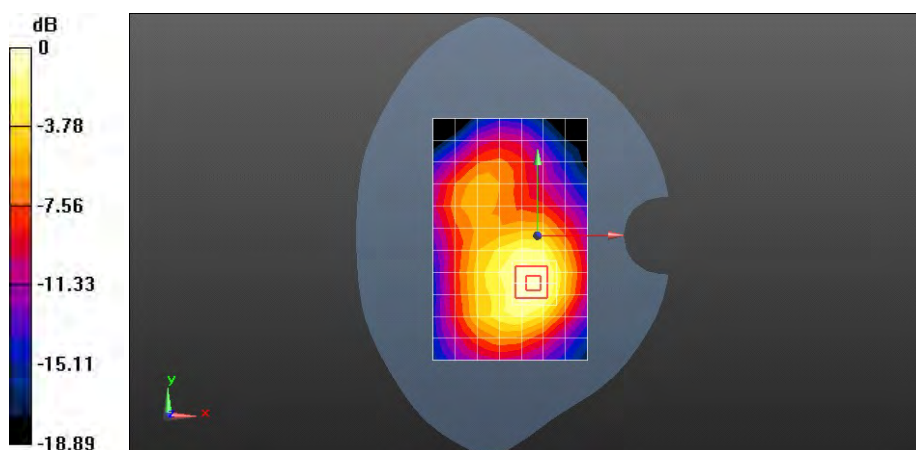
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.426 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.866 W/kg

SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.546 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 1TS 661CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.390 W/kg

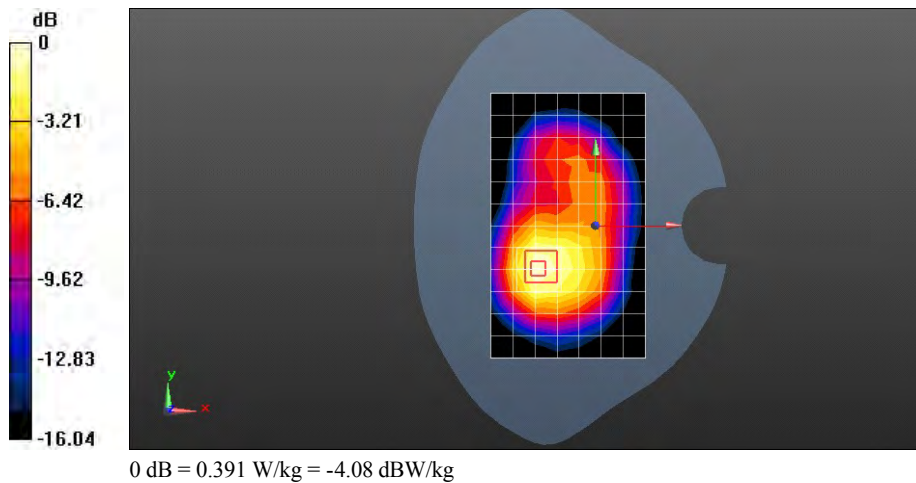
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.860 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.391 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 810CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1909.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 53.023$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

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

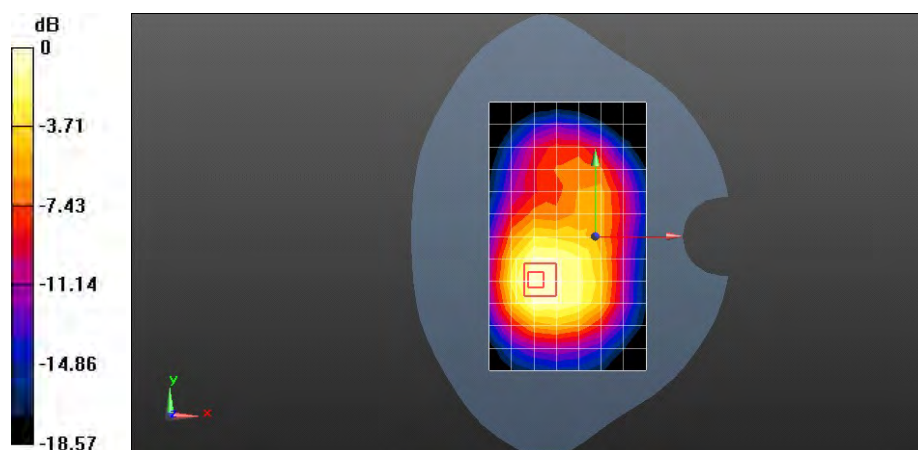
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.381 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.387 W/kg

Maximum value of SAR (measured) = 0.733 W/kg



0 dB = 0.733 W/kg = -1.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.917 W/kg

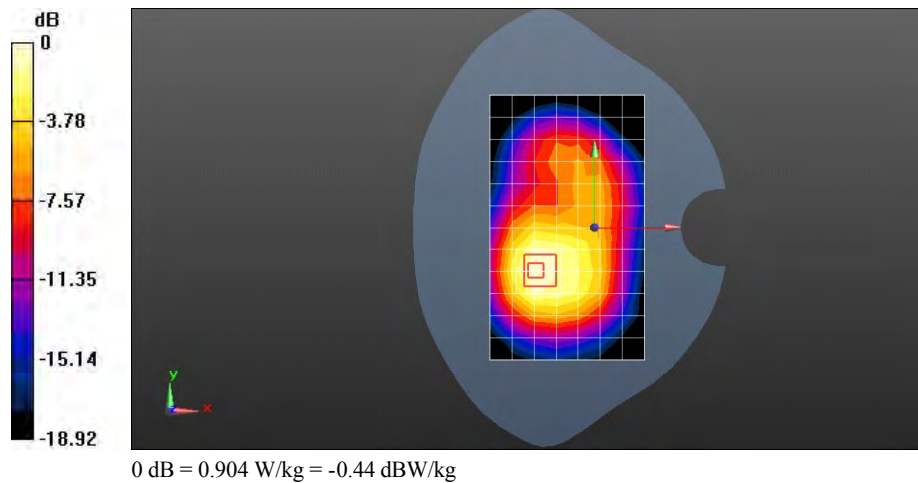
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.103 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.472 W/kg

Maximum value of SAR (measured) = 0.904 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 512CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1850.2 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.475$ mho/m; $\epsilon_r = 53.103$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.908 W/kg

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

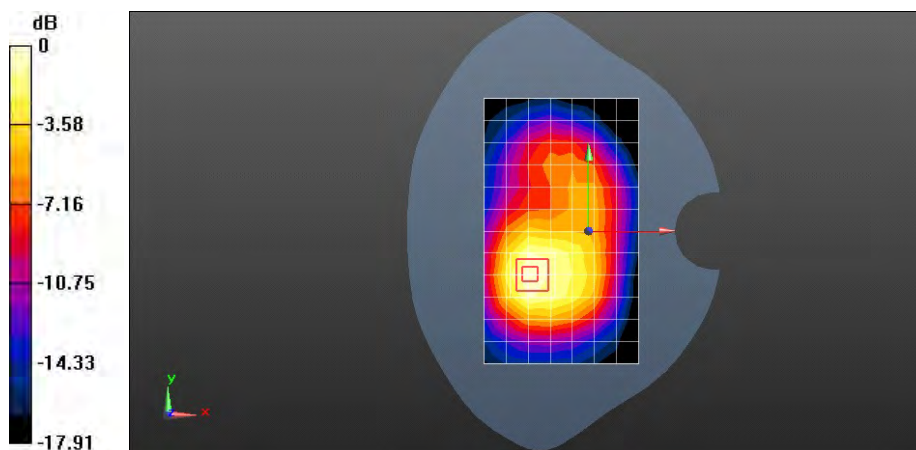
Reference Value = 13.907 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.822 W/kg; SAR(10 g) = 0.464 W/kg

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

Maximum value of SAR (measured) = 0.889 W/kg



0 dB = 0.889 W/kg = -0.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 810CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1909.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 53.023$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.710 W/kg

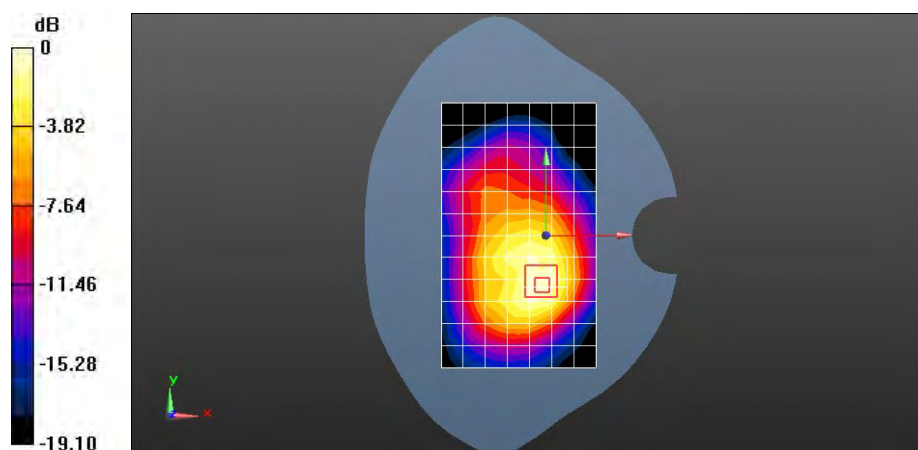
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.911 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.713 W/kg; SAR(10 g) = 0.396 W/kg

Maximum value of SAR (measured) = 0.783 W/kg



0 dB = 0.783 W/kg = -1.06 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.878 W/kg

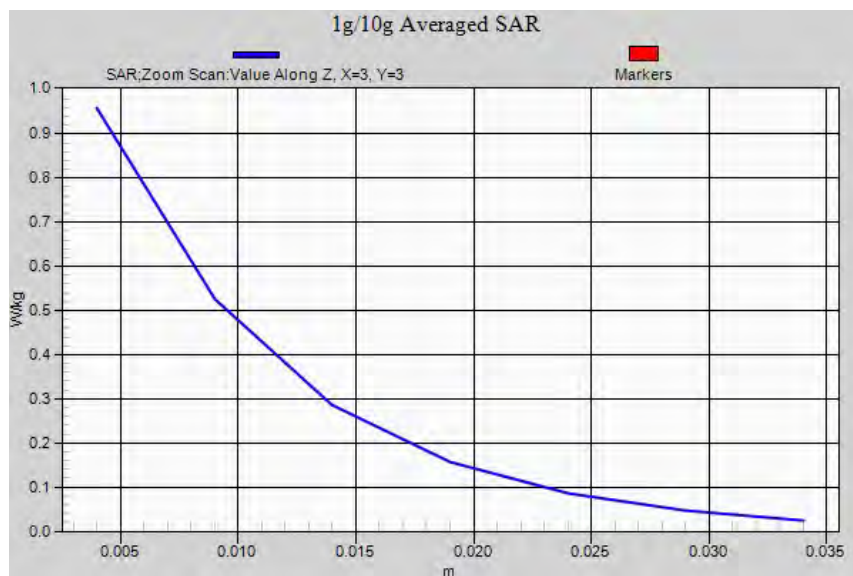
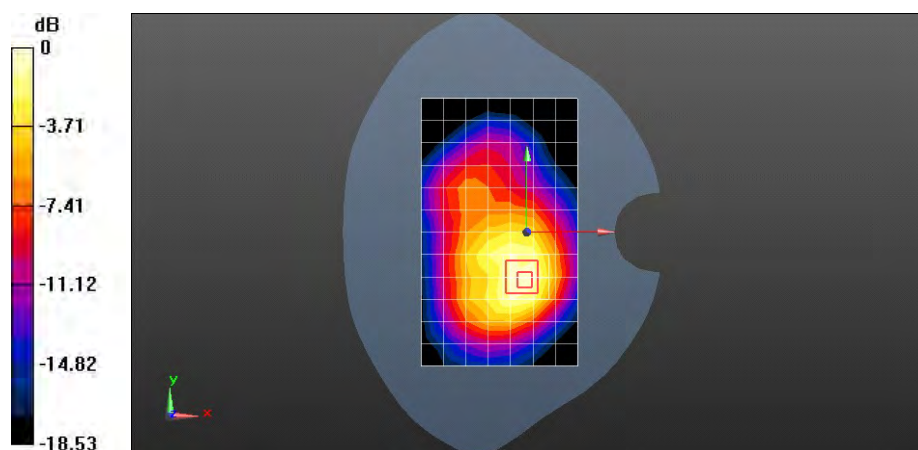
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.387 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.488 W/kg

Maximum value of SAR (measured) = 0.958 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 512CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1850.2 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.475$ mho/m; $\epsilon_r = 53.103$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.872 W/kg

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

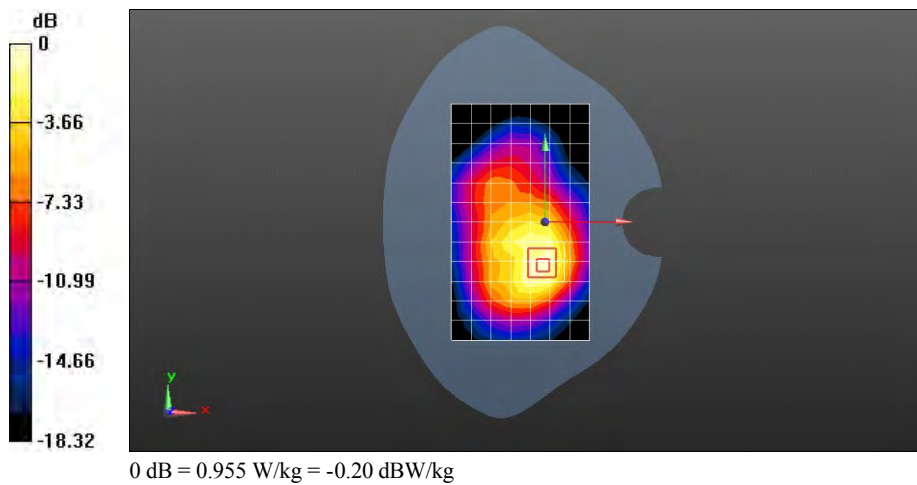
Reference Value = 16.408 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.480 W/kg

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

Maximum value of SAR (measured) = 0.955 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Towards Ground 10mm-repeated

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0$, 31.0
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.863 W/kg

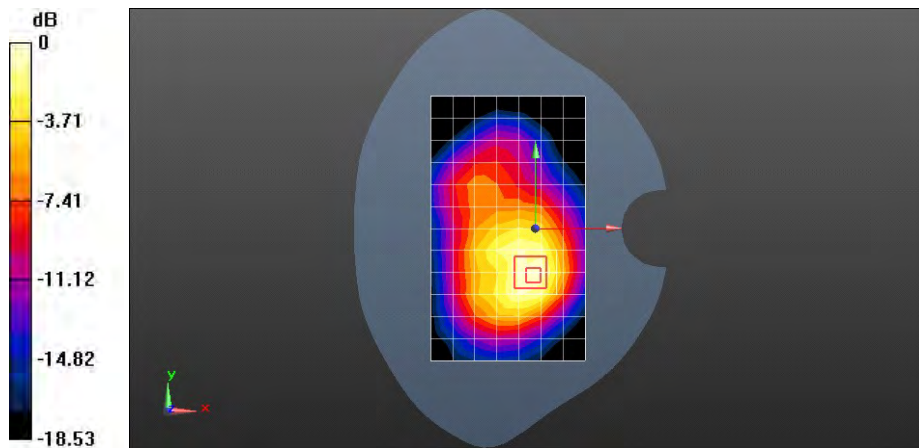
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.387 V/m; Power Drift = -0.09 dB

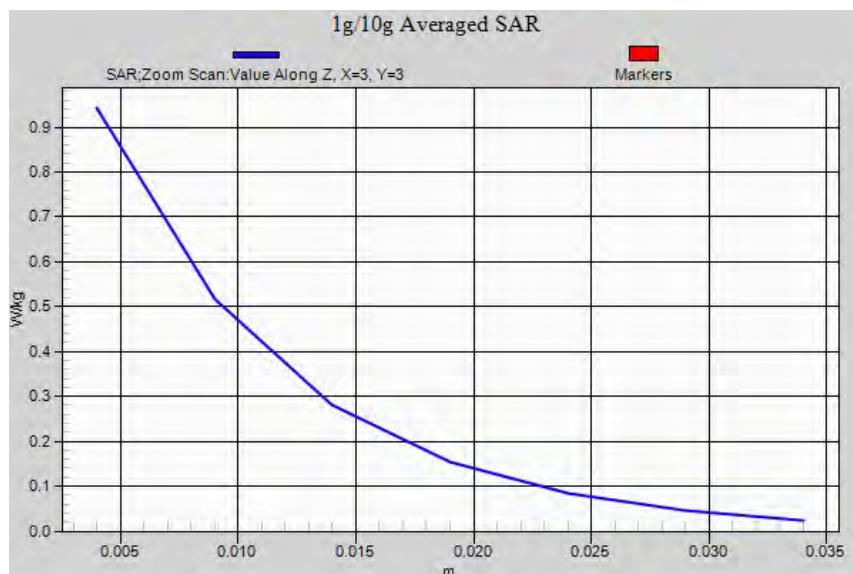
Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.479 W/kg

Maximum value of SAR (measured) = 0.942 W/kg



0 dB = 0.942 W/kg = -0.26 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Left edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.354 W/kg

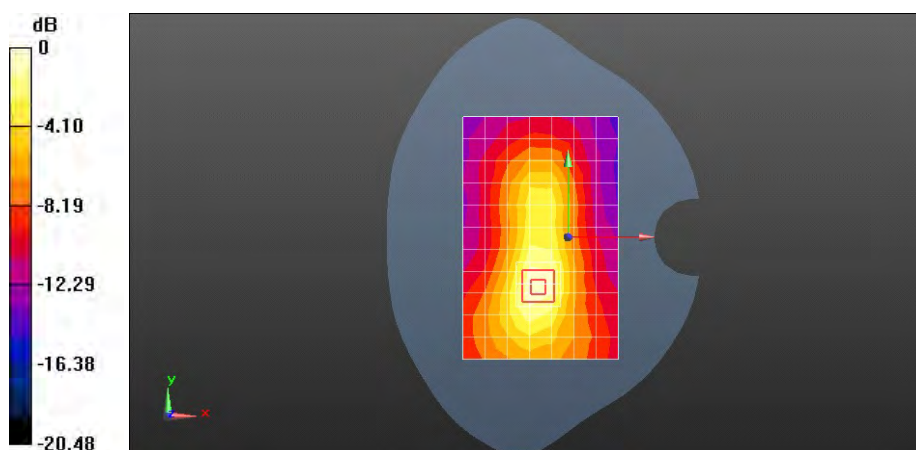
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.853 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.639 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.391 W/kg = -4.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Right edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.216 W/kg

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

Reference Value = 9.884 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.224 W/kg

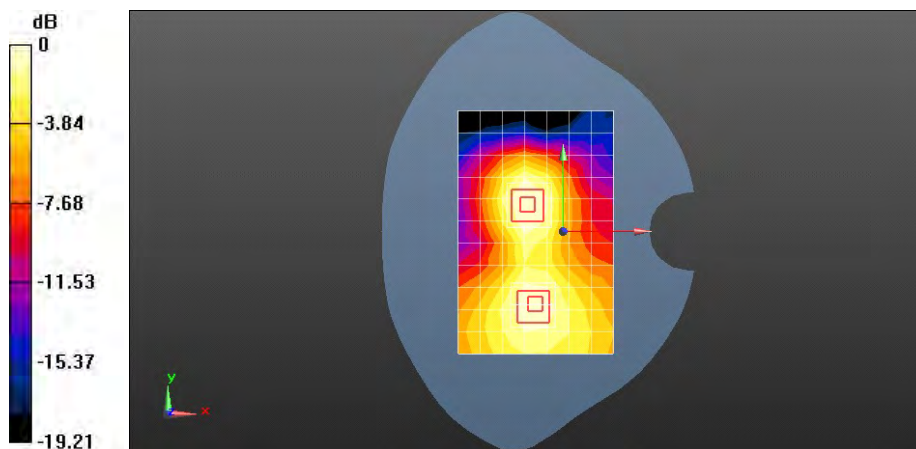
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.884 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.096 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Bottom edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

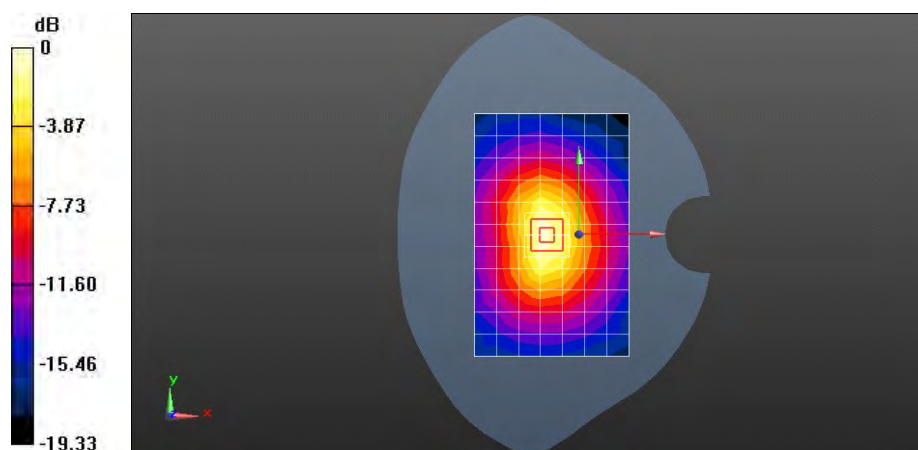
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 20.276 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.325 W/kg

Maximum value of SAR (measured) = 0.674 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 EGPRS 1TS 661CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.363 W/kg

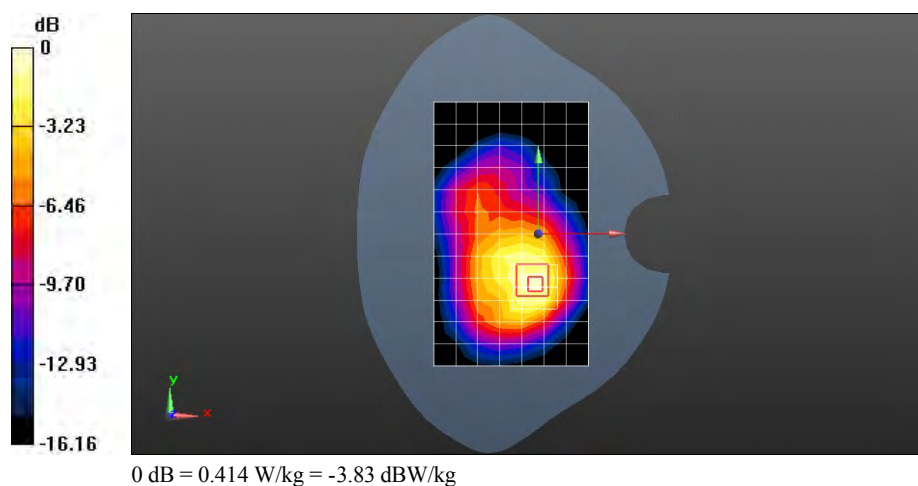
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.964 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.620 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (measured) = 0.414 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 EGPRS 2TS 810CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1909.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 53.023$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.642 W/kg

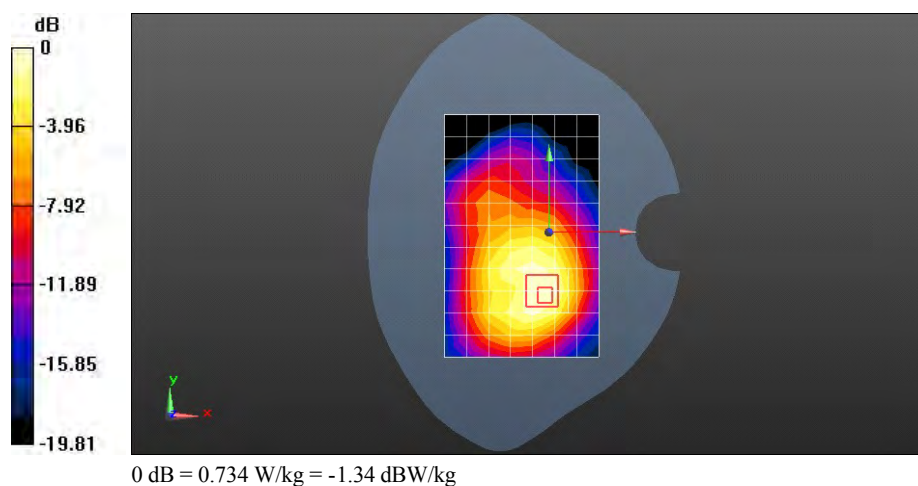
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.192 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.374 W/kg

Maximum value of SAR (measured) = 0.734 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 EGPRS 2TS 661CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.800 W/kg

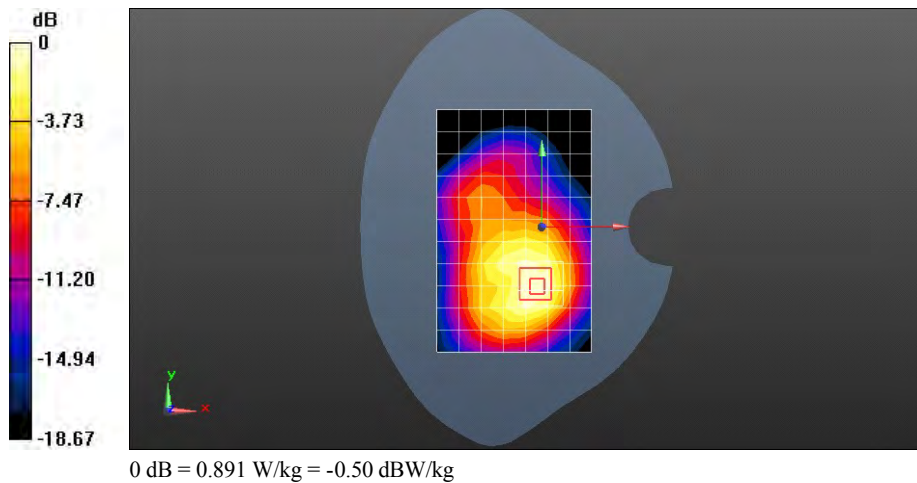
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.366 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.459 W/kg

Maximum value of SAR (measured) = 0.891 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 EGPRS 2TS 512CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1850.2 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.475$ mho/m; $\epsilon_r = 53.103$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.799 W/kg

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

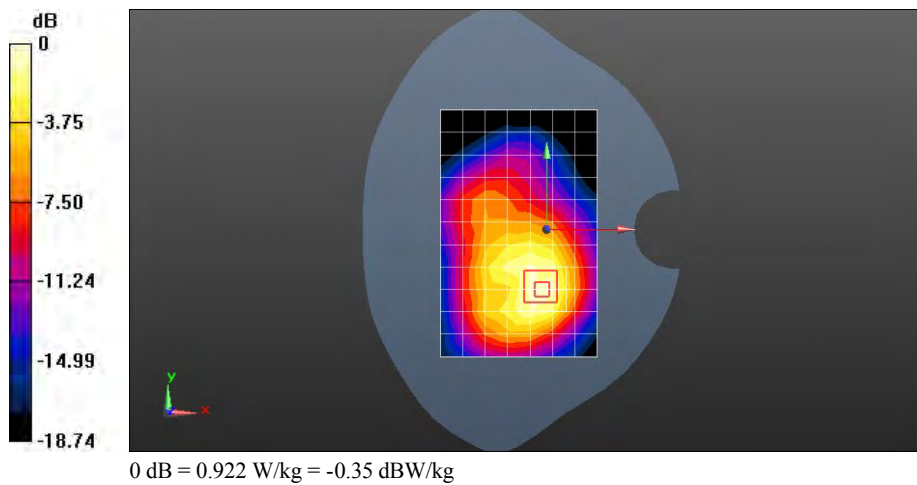
Reference Value = 13.749 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.464 W/kg

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

Maximum value of SAR (measured) = 0.922 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 GSM1900 GPRS 2TS 661CH Towards Ground 10mm with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.135$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.811 W/kg

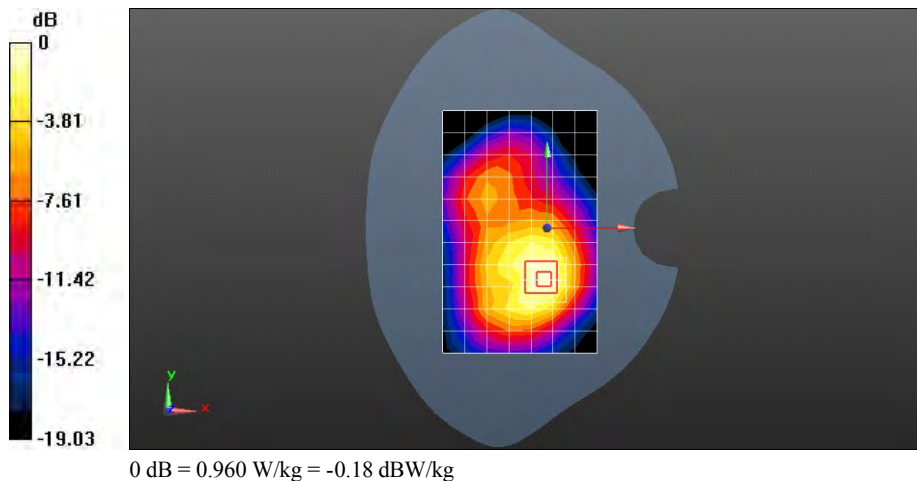
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.143 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.484 W/kg

Maximum value of SAR (measured) = 0.960 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad V 4182CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 42.511$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.536 W/kg

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

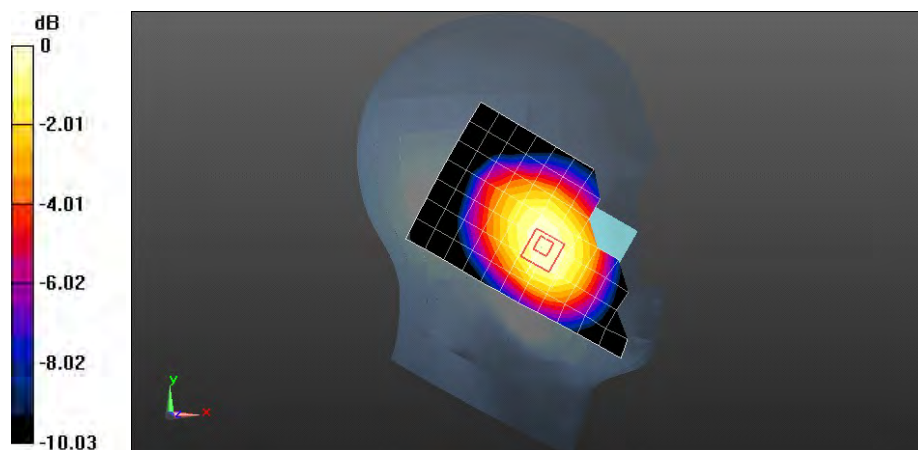
Reference Value = 12.121 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.657 W/kg

SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.380 W/kg

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

Maximum value of SAR (measured) = 0.537 W/kg



0 dB = 0.537 W/kg = -2.70 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad V 4182CH Left hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 42.511$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.391 W/kg

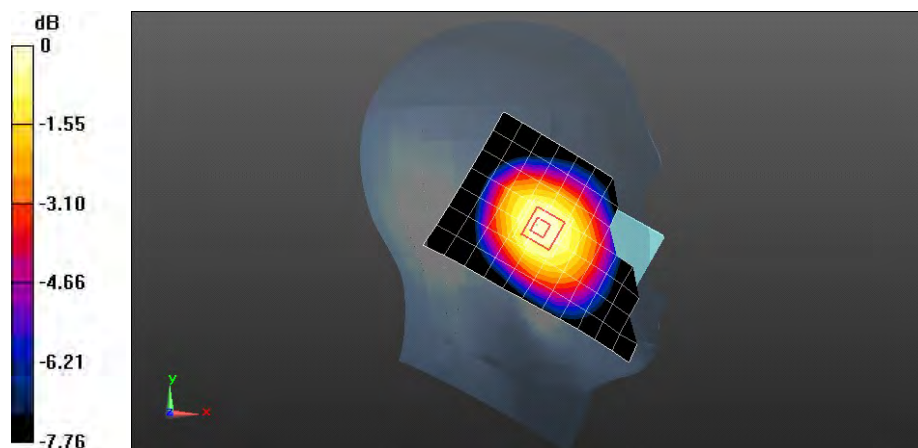
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.456 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.287 W/kg

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



0 dB = 0.391 W/kg = -4.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad V 4182CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 42.511$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

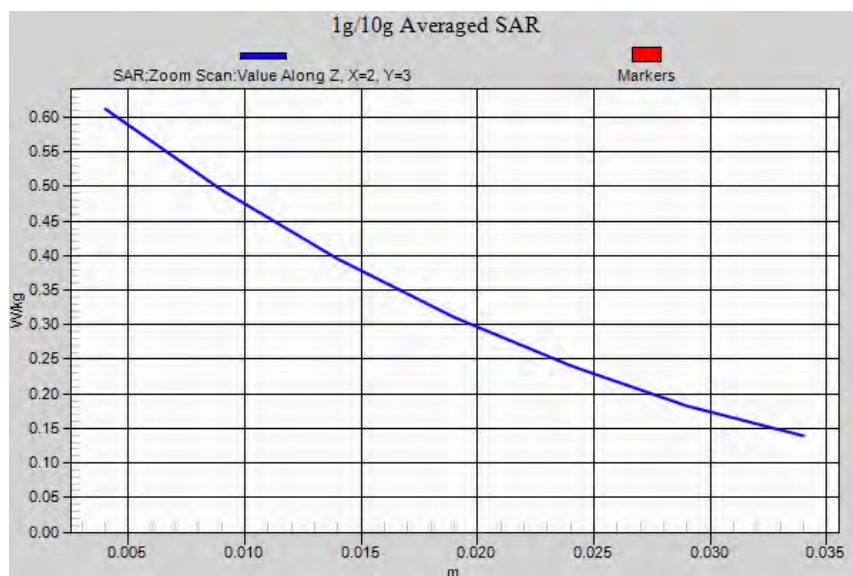
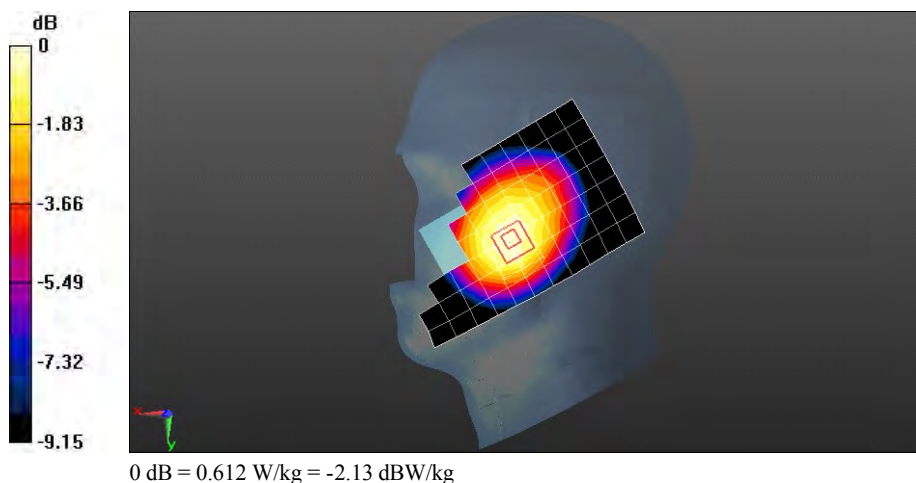
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.462 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.715 W/kg

SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.445 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad V 4182CH Right hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 42.511$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.402 W/kg

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

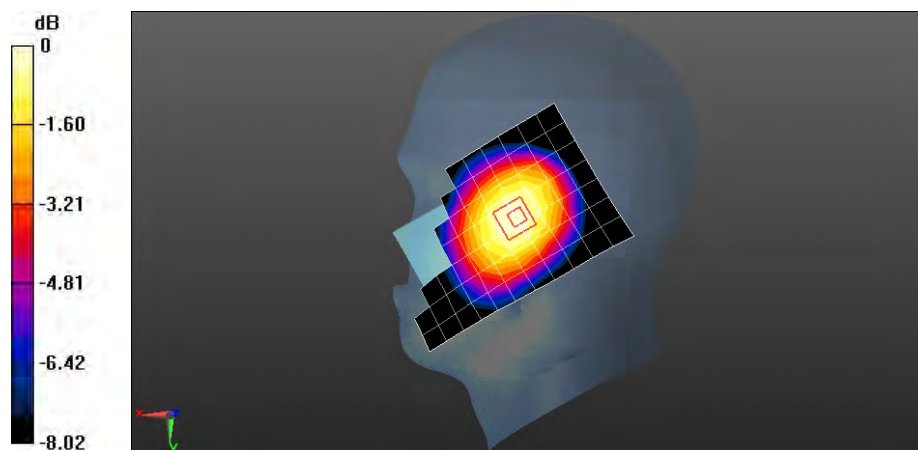
Reference Value = 15.618 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.298 W/kg

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

Maximum value of SAR (measured) = 0.405 W/kg



0 dB = 0.405 W/kg = -3.92 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad V 4182CH Right hand touch cheek with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 42.511$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.608 W/kg

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

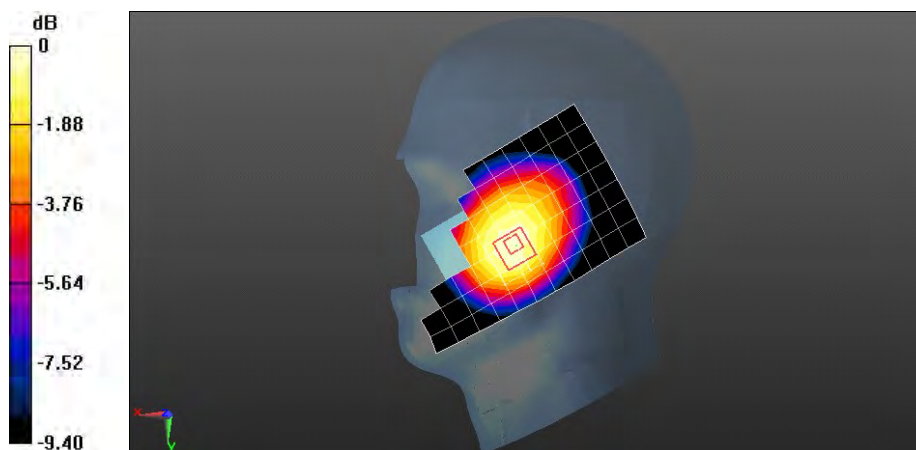
Reference Value = 12.003 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.709 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.441 W/kg

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

Maximum value of SAR (measured) = 0.610 W/kg



0 dB = 0.610 W/kg = -2.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Phantom 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.917$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.502 W/kg

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

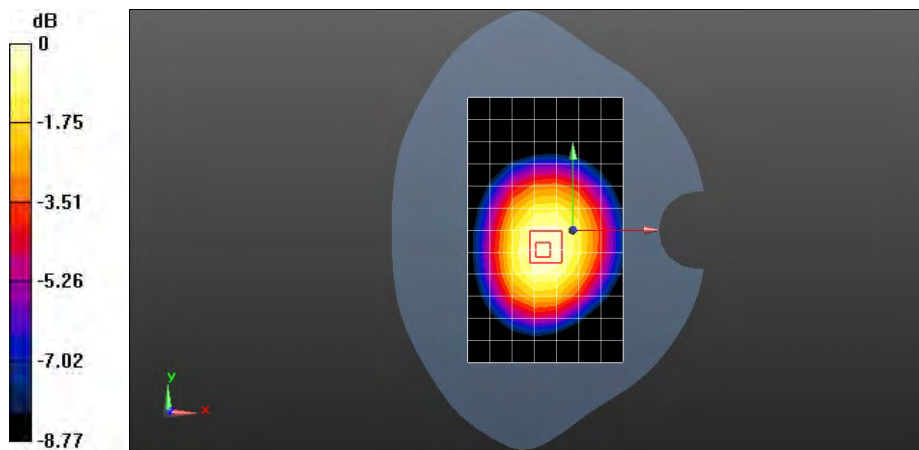
Reference Value = 22.513 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.623 W/kg

SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.369 W/kg

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

Maximum value of SAR (measured) = 0.515 W/kg



0 dB = 0.515 W/kg = -2.88 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.917$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.640 W/kg

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

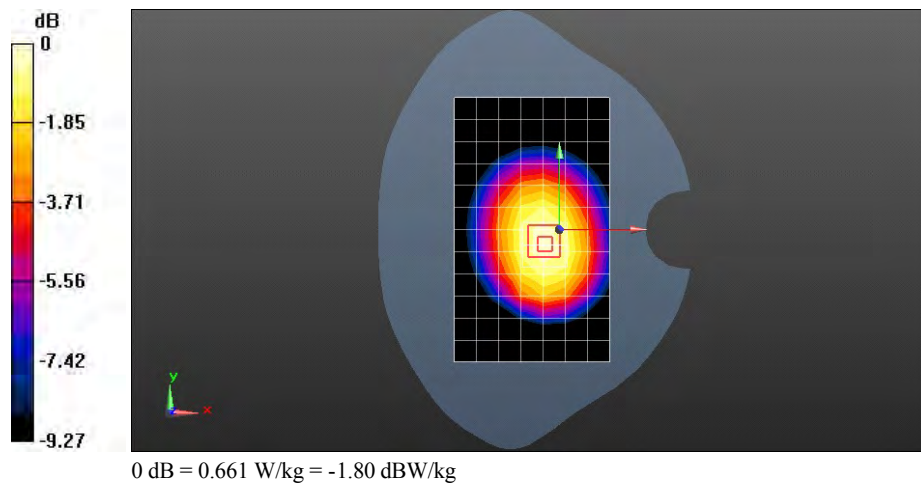
Reference Value = 25.399 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.459 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 15mm with HSDPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.917$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.624 W/kg

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

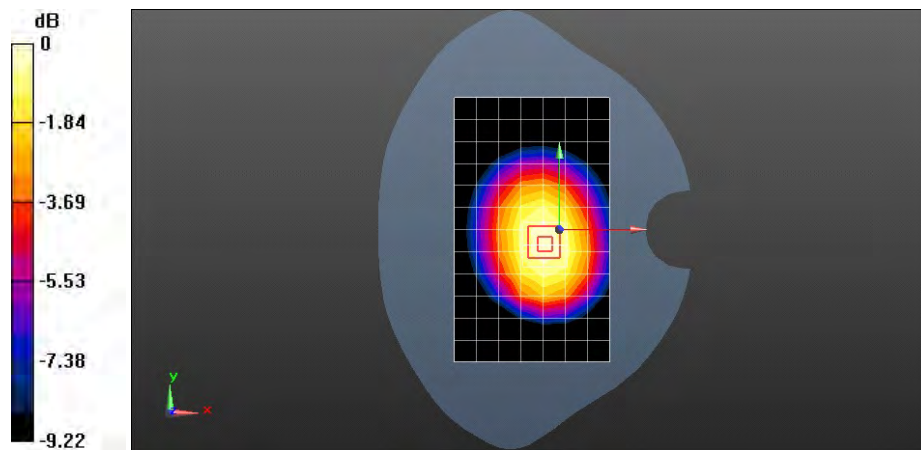
Reference Value = 24.856 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.781 W/kg

SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.445 W/kg

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

Maximum value of SAR (measured) = 0.637 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 15mm with HUPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.917$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.514 W/kg

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

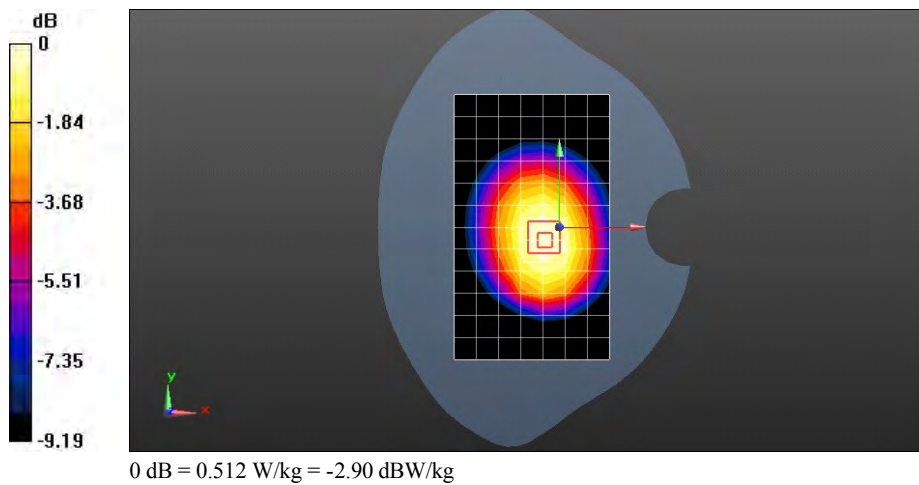
Reference Value = 23.201 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.630 W/kg

SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.358 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 15mm with Headset

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.917$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.447 W/kg

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

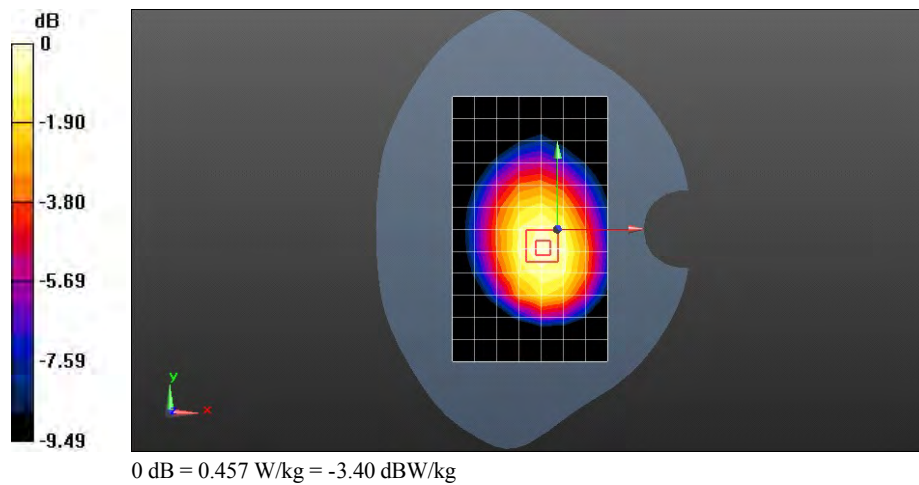
Reference Value = 20.563 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.316 W/kg

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

Maximum value of SAR (measured) = 0.457 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 15mm with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.917$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.649 W/kg

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

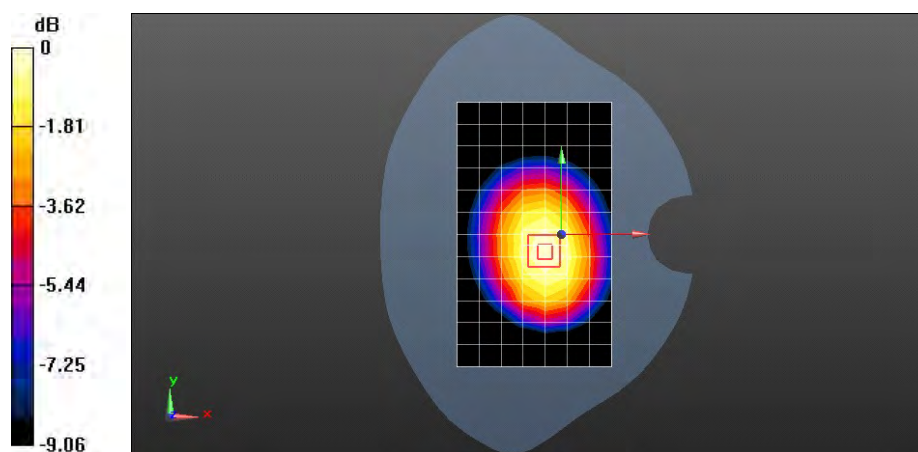
Reference Value = 25.084 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.805 W/kg

SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.458 W/kg

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

Maximum value of SAR (measured) = 0.651 W/kg



0 dB = 0.651 W/kg = -1.87 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 53.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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) = 0.305 W/kg

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

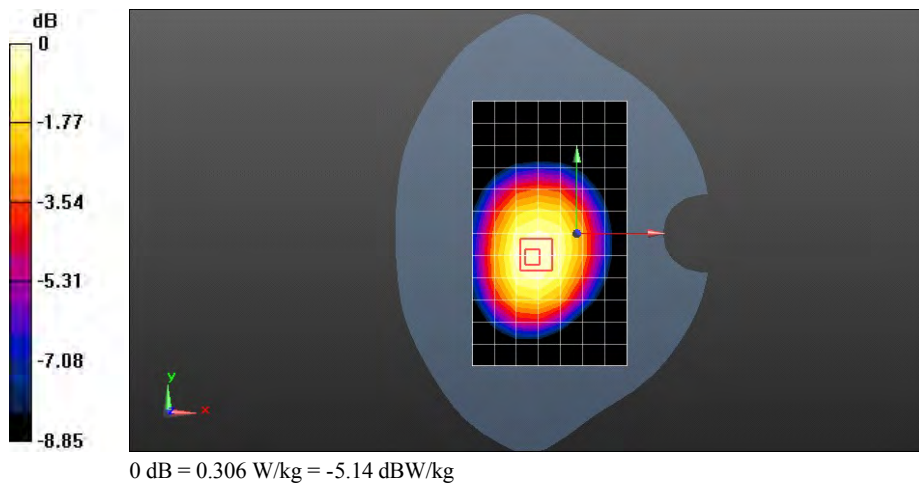
Reference Value = 16.991 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.221 W/kg

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

Maximum value of SAR (measured) = 0.306 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 53.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.413 W/kg

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

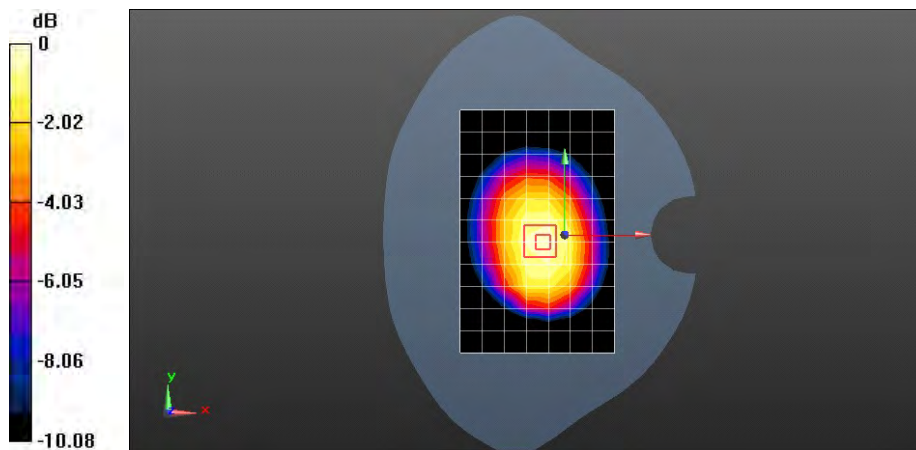
Reference Value = 21.004 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.522 W/kg

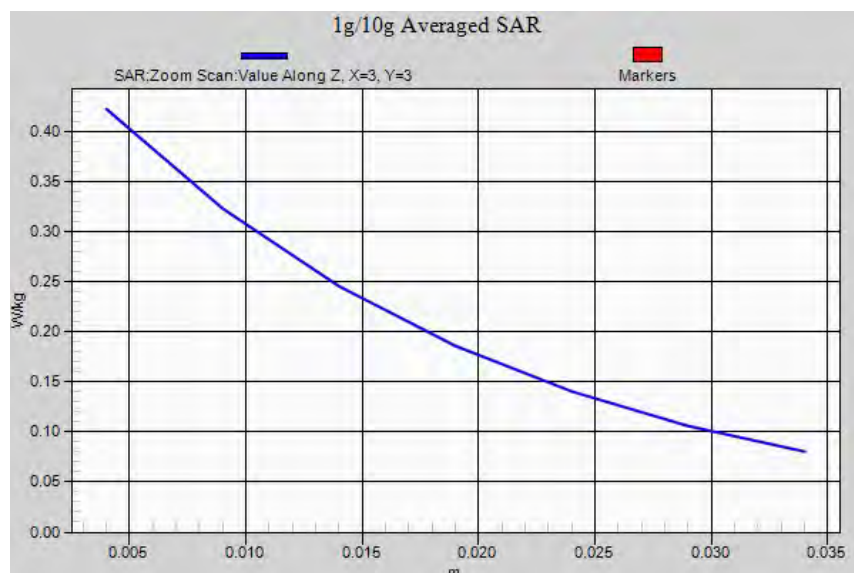
SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.294 W/kg

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

Maximum value of SAR (measured) = 0.423 W/kg



0 dB = 0.423 W/kg = -3.74 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Left edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 53.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.210 W/kg

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

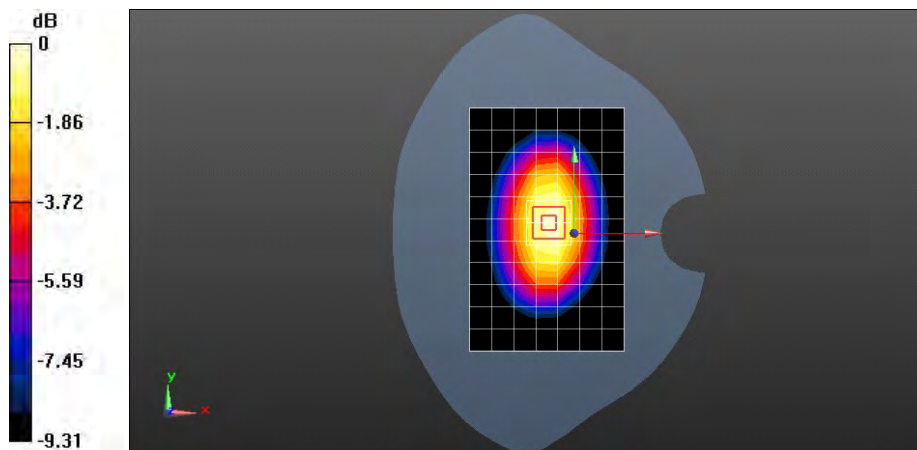
Reference Value = 15.232 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.144 W/kg

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

Maximum value of SAR (measured) = 0.221 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Right edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 53.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.232 W/kg

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

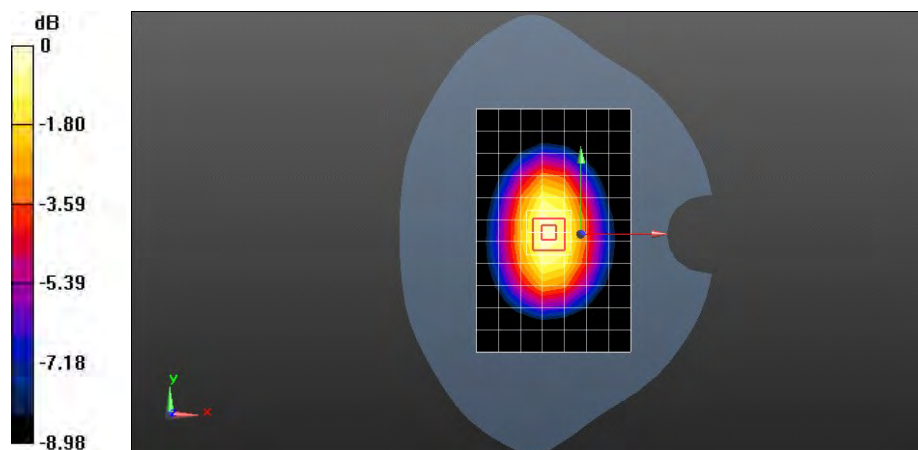
Reference Value = 16.113 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.161 W/kg

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

Maximum value of SAR (measured) = 0.245 W/kg



0 dB = 0.245 W/kg = -6.12 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Bottom edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 53.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.0326 W/kg

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

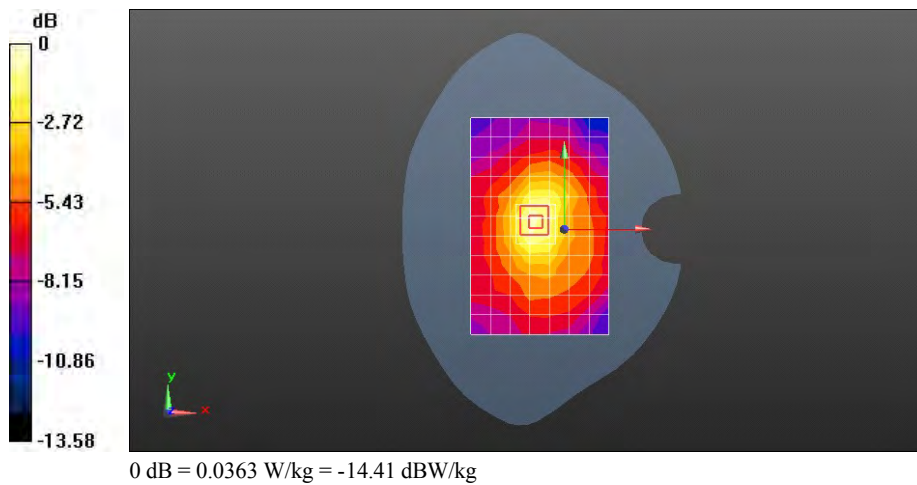
Reference Value = 5.938 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0520 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.021 W/kg

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

Maximum value of SAR (measured) = 0.0363 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 10mm with HSDPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 53.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.390 W/kg

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

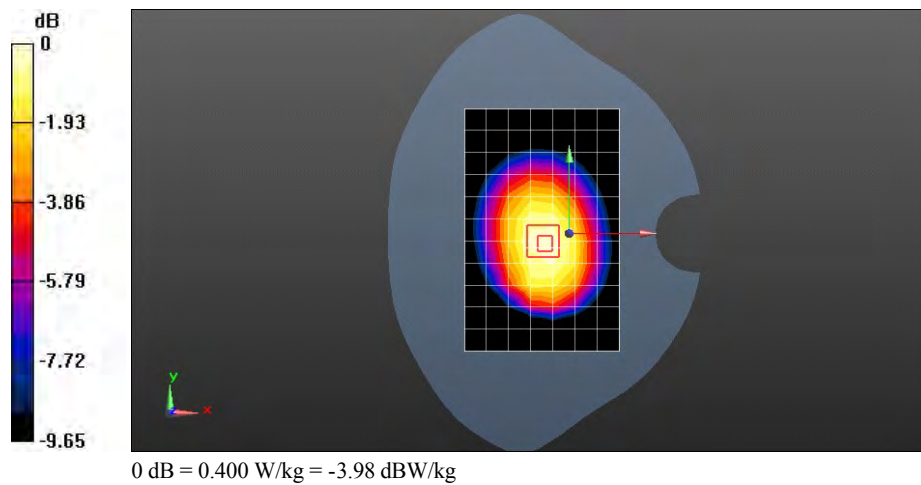
Reference Value = 20.533 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.280 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 10mm with HSUPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 53.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

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

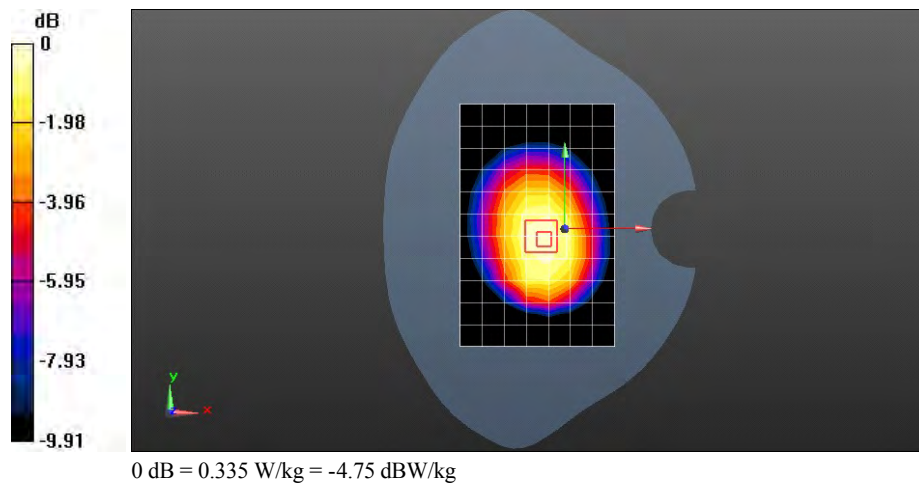
Reference Value = 19.023 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.233 W/kg

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

Maximum value of SAR (measured) = 0.335 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band V 4182CH Towards Ground 10mm with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 53.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

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

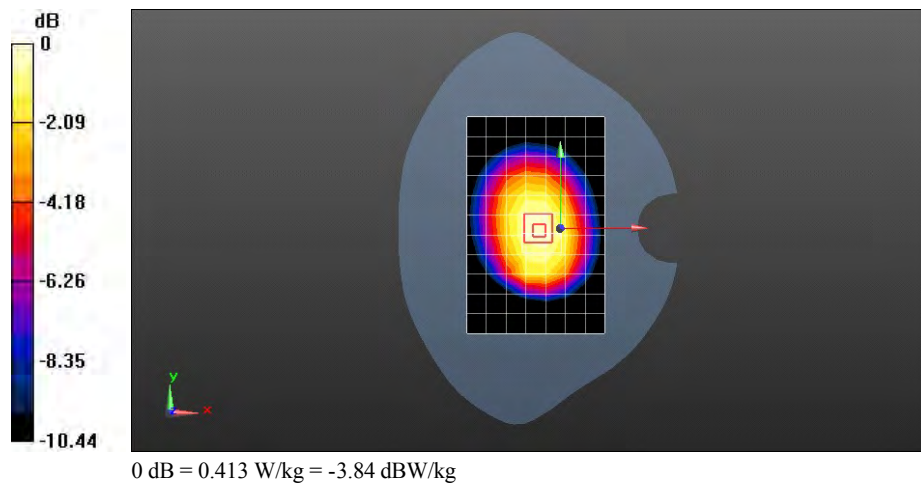
Reference Value = 21.101 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.511 W/kg

SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.288 W/kg

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

Maximum value of SAR (measured) = 0.413 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1513CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r = 39.535$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.26 W/kg

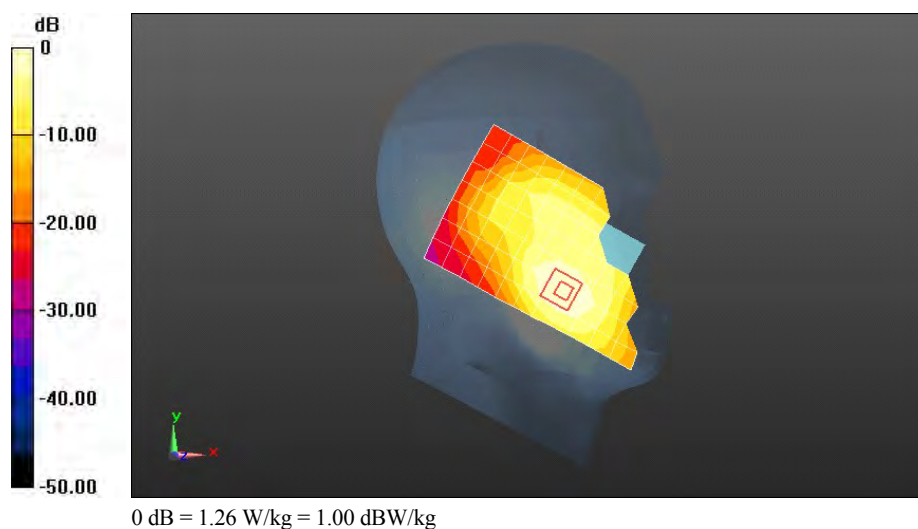
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.497 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.632 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1413CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.371$ mho/m; $\epsilon_r = 39.551$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.40 W/kg

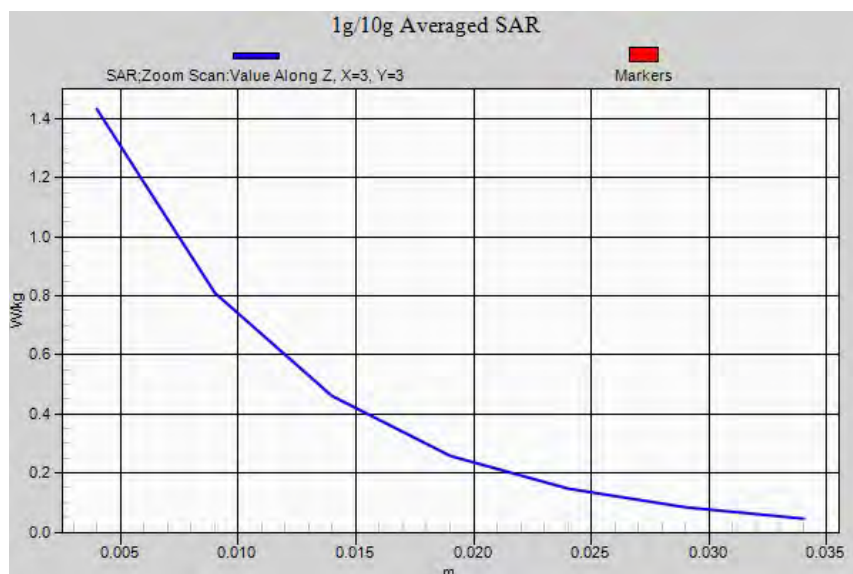
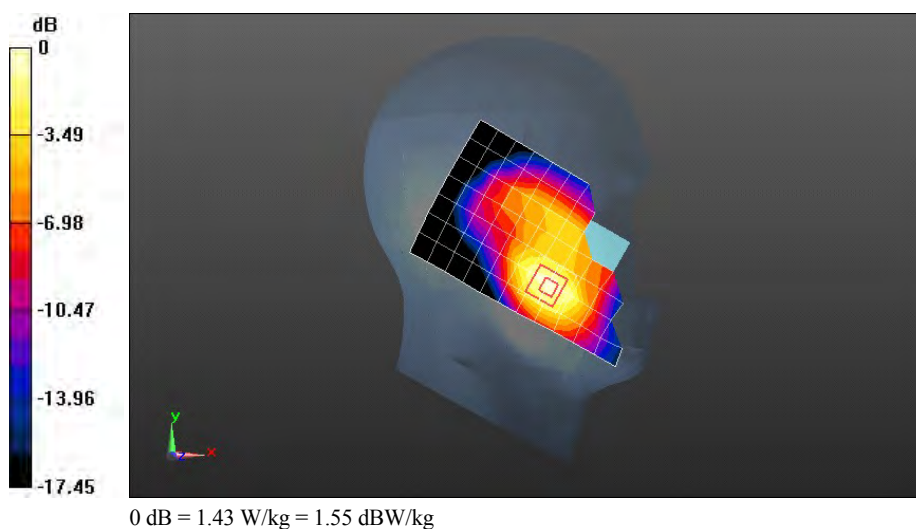
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.641 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.715 W/kg

Maximum value of SAR (measured) = 1.43 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1312CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.353$ mho/m; $\epsilon_r = 39.736$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 1.35 W/kg

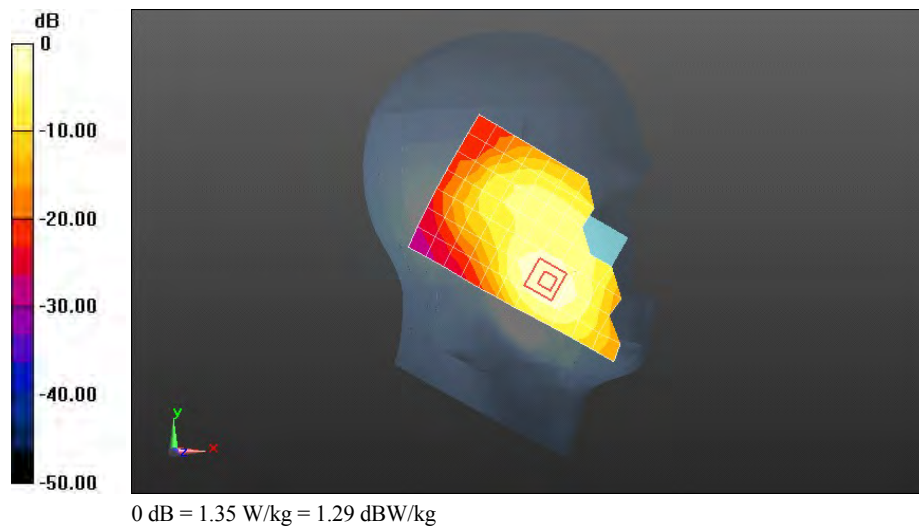
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.417 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.681 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1413CH Left hand touch cheek-repeated

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.371$ mho/m; $\epsilon_r = 39.551$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.31 W/kg

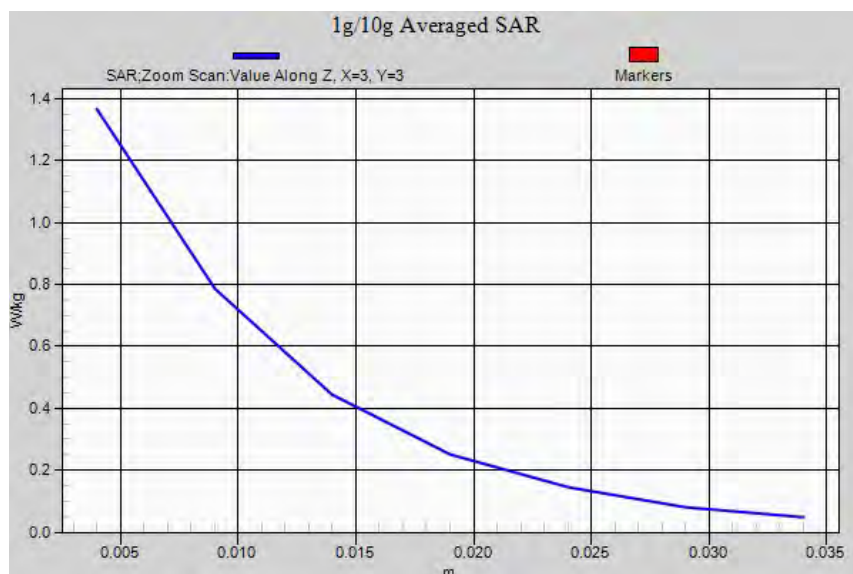
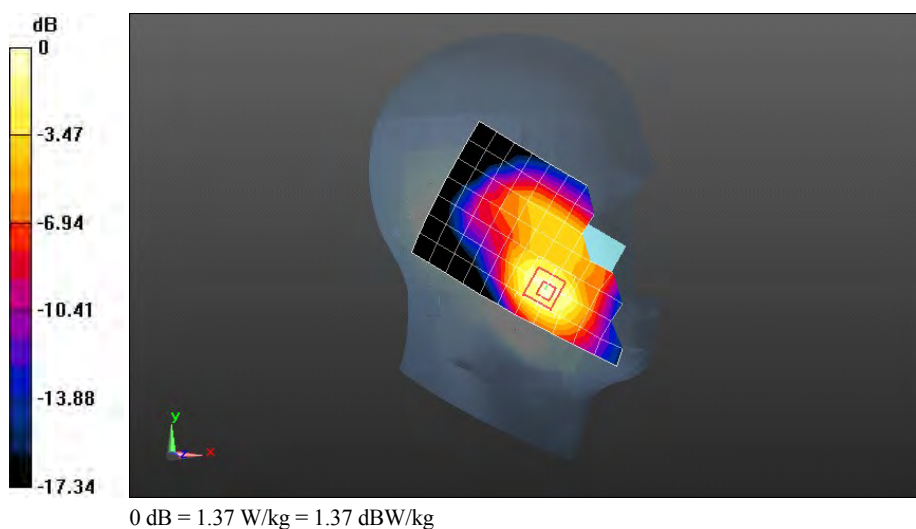
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.361 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.694 W/kg

Maximum value of SAR (measured) = 1.37 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1413CH Left hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.371$ mho/m; $\epsilon_r = 39.551$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

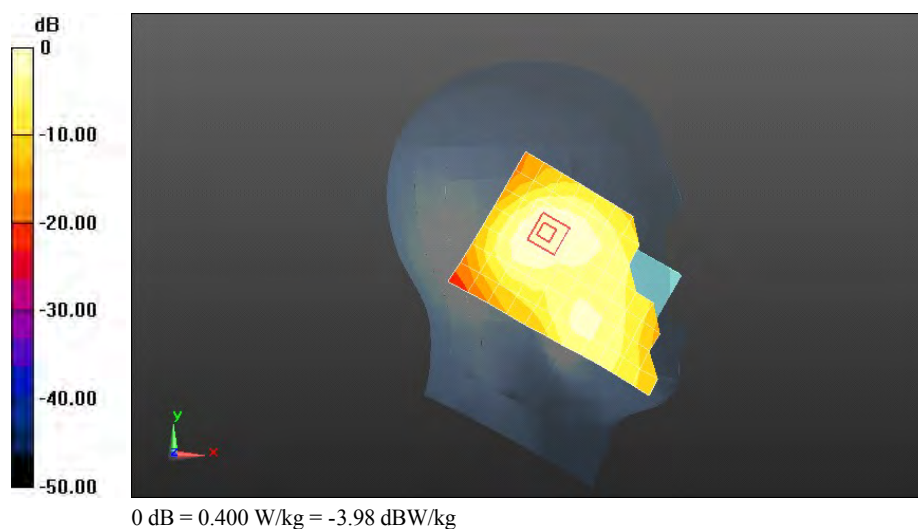
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.601 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.247 W/kg

Maximum value of SAR (measured) = 0.440 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1513CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r = 39.535$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.917 W/kg

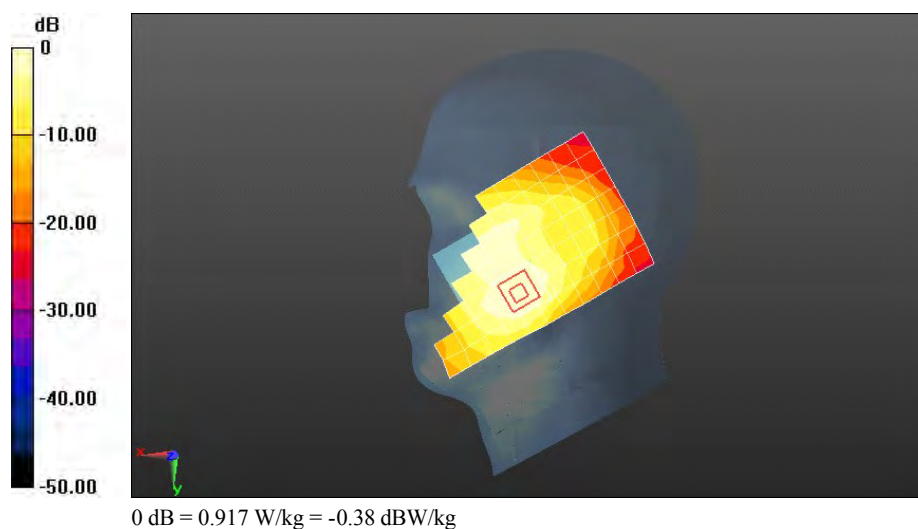
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.092 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.501 W/kg

Maximum value of SAR (measured) = 0.940 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1413CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.371$ mho/m; $\epsilon_r = 39.551$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.03 W/kg

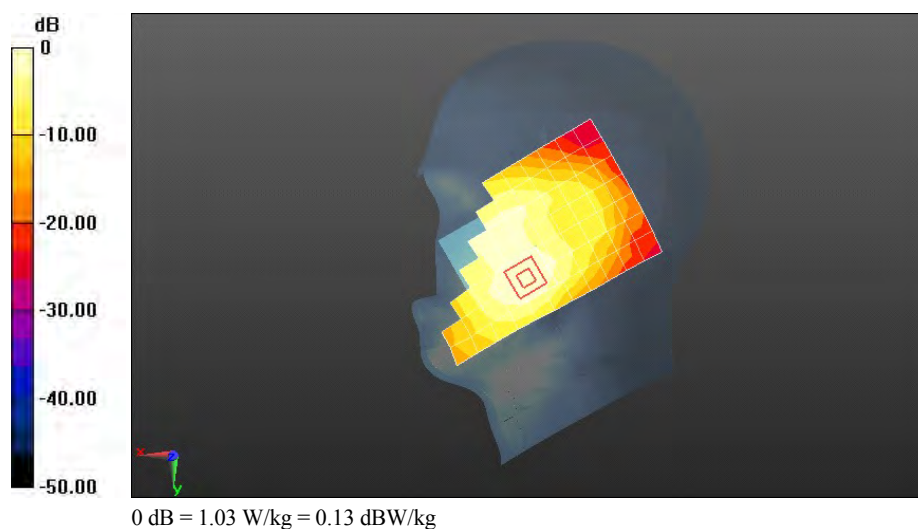
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.227 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.980 W/kg; SAR(10 g) = 0.574 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1312CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.353$ mho/m; $\epsilon_r = 39.736$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

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

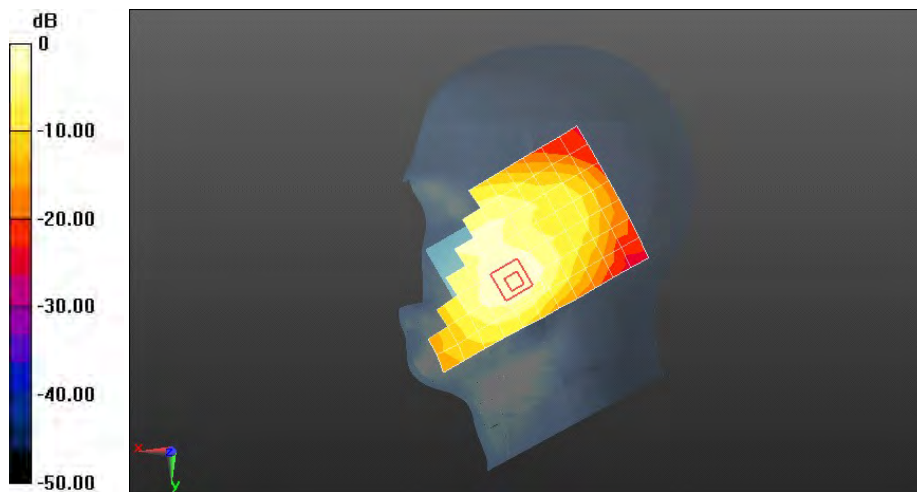
Reference Value = 11.171 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.555 W/kg

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

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



0 dB = 1.01 W/kg = 0.05 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1413CH Right hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.371$ mho/m; $\epsilon_r = 39.551$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

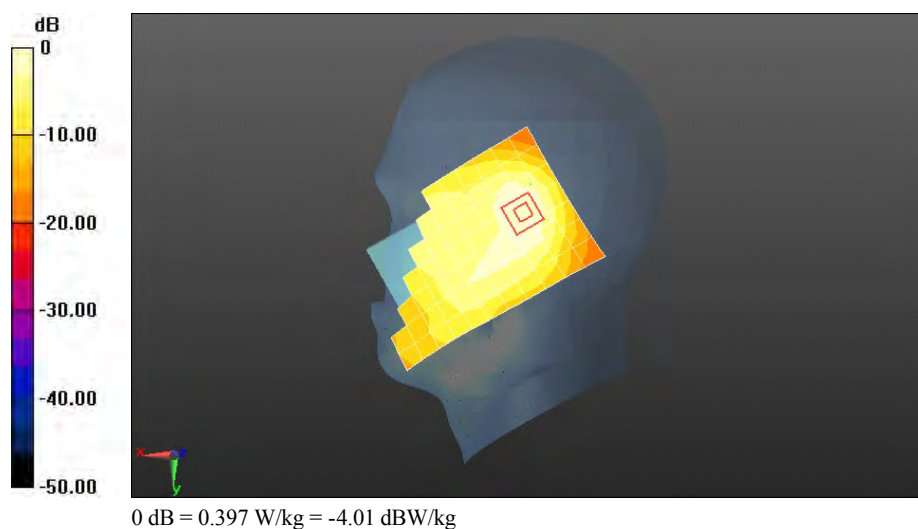
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.039 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 0.417 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Bnad IV 1413CH Left hand touch cheek with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.371$ mho/m; $\epsilon_r = 39.551$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.31 W/kg

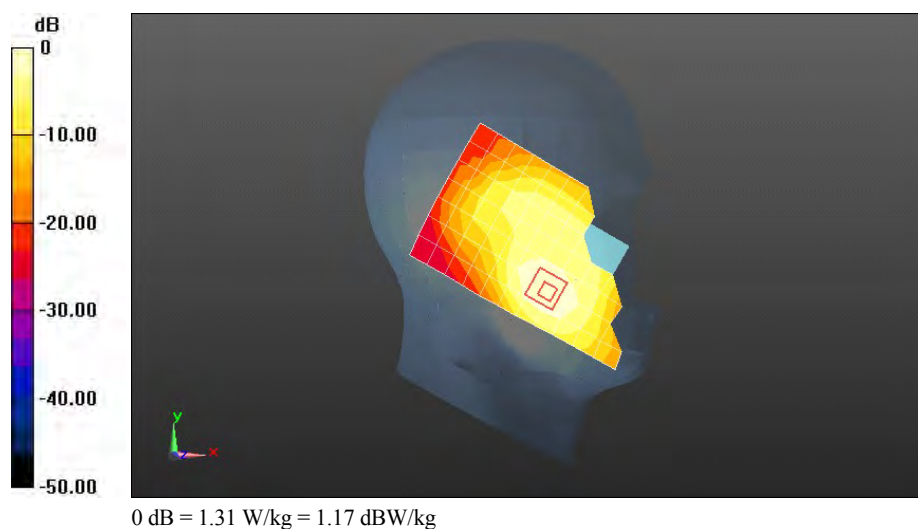
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.363 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.676 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Phantom 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 53.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.633 W/kg

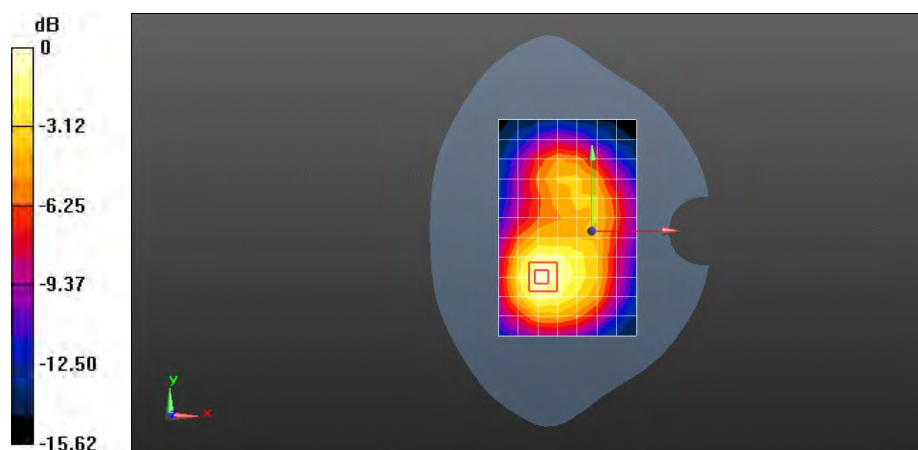
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.758 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.964 W/kg

SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.341 W/kg

Maximum value of SAR (measured) = 0.637 W/kg



0 dB = 0.633 W/kg = -1.99 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 53.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.619 W/kg

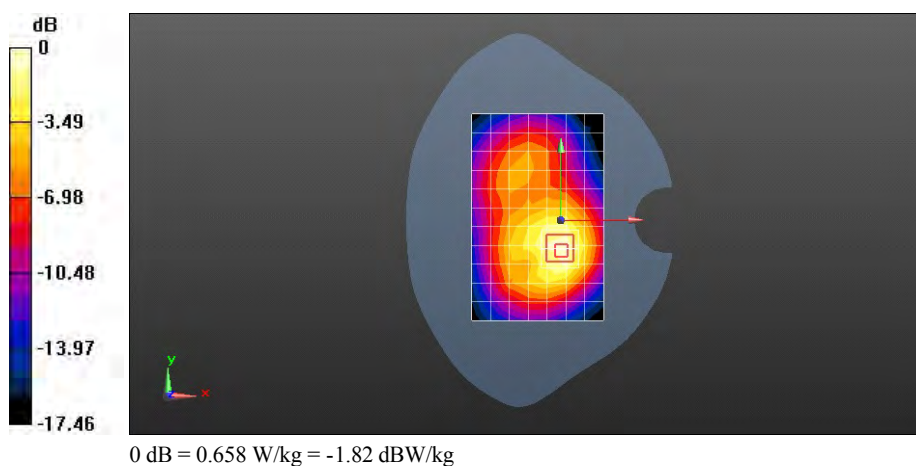
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.241 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.993 W/kg

SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.658 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 15mm with HSDPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 53.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.587 W/kg

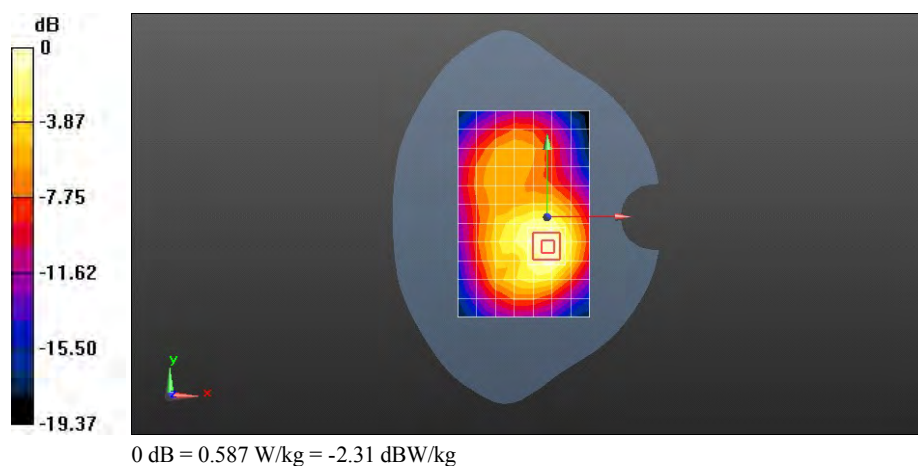
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.767 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.941 W/kg

SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 0.632 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 15mm with HSUPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 53.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.519 W/kg

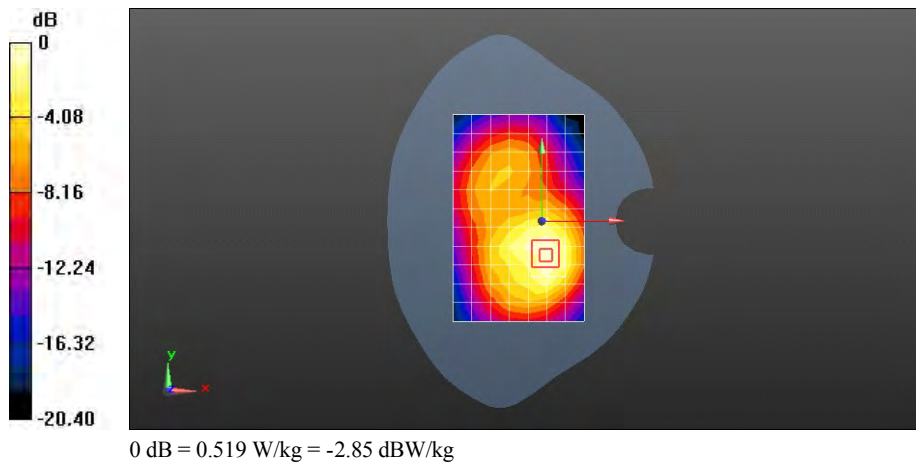
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.215 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.813 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.540 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 15mm with Headset

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 53.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.587 W/kg

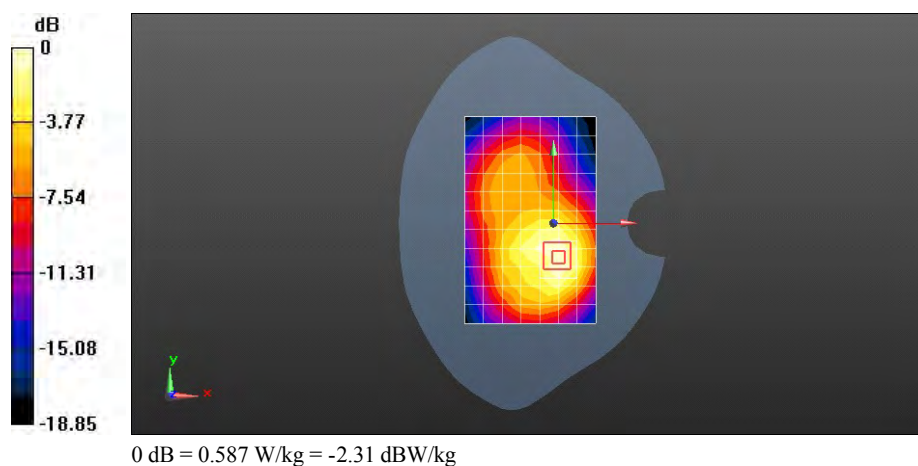
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.711 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.936 W/kg

SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.334 W/kg

Maximum value of SAR (measured) = 0.618 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 15mm with battery 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 53.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.633 W/kg

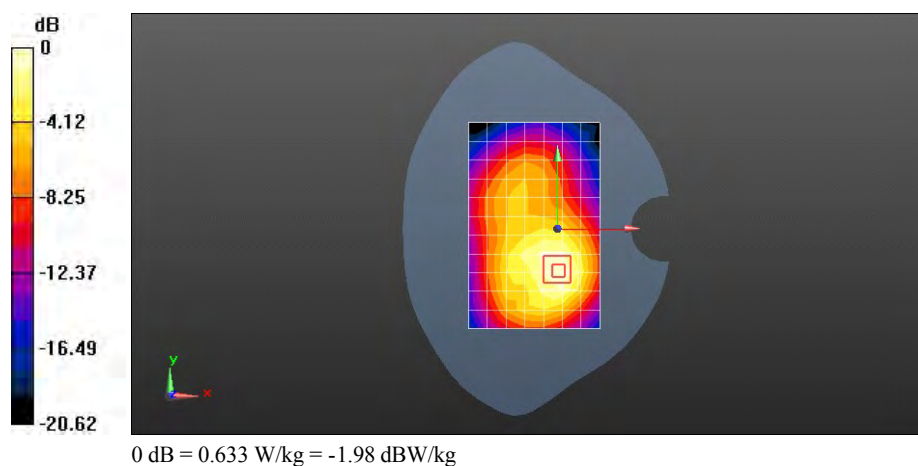
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.350 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.990 W/kg

SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.654 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.536 W/kg

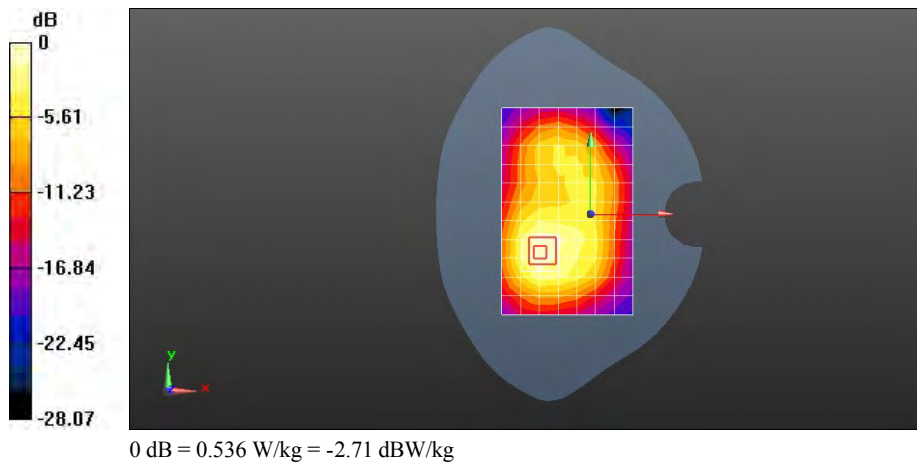
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.642 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.821 W/kg

SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 0.554 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.529 W/kg

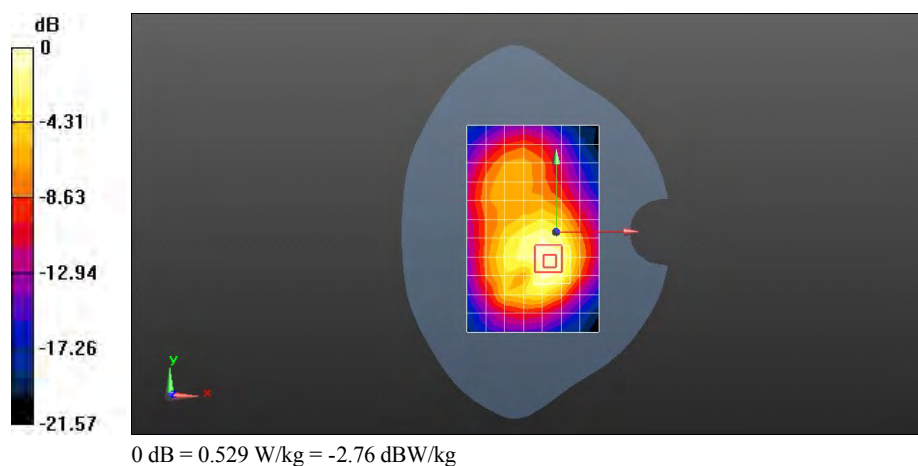
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.106 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.860 W/kg

SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.315 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Left edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

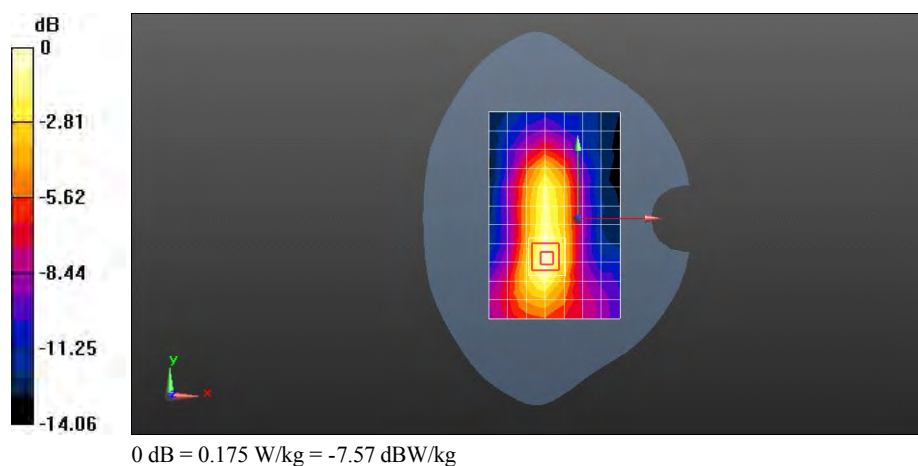
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.870 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.178 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Right edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

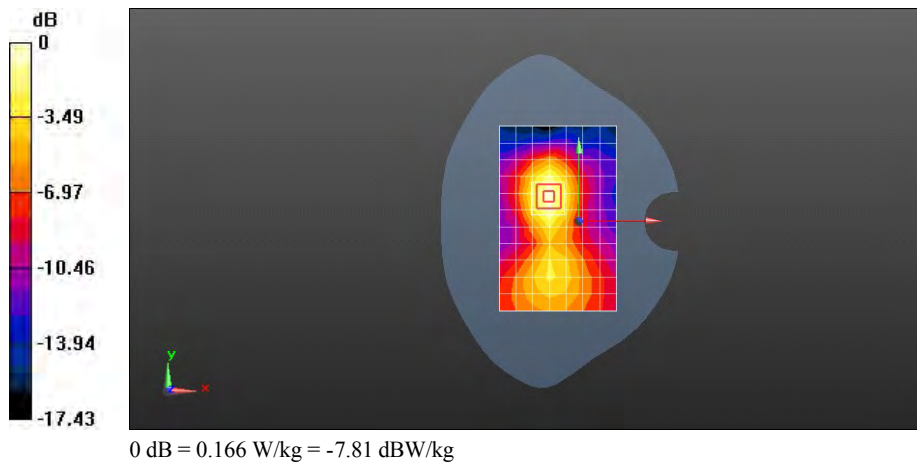
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.112 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.091 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Bottom edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.351 W/kg

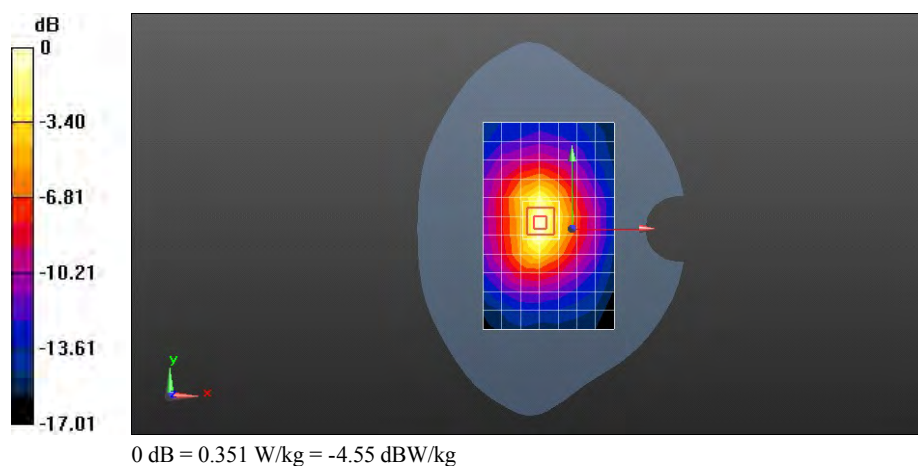
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.017 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.353 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 10mm with HSDPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.505 W/kg

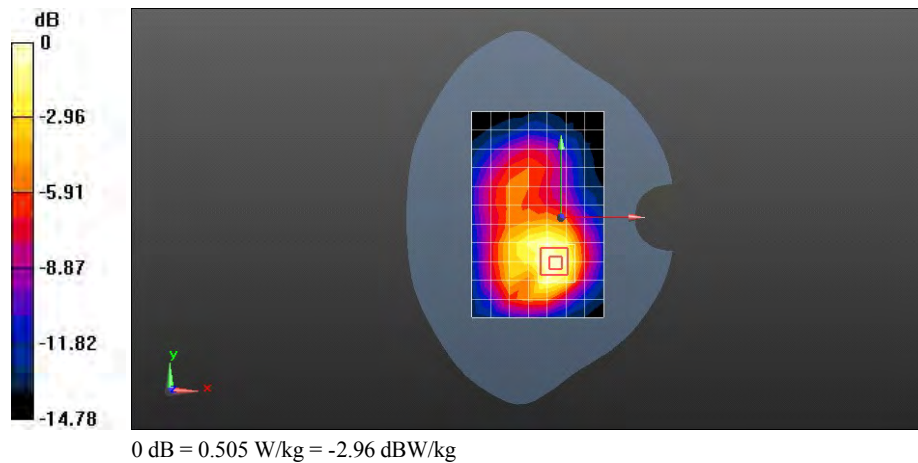
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.935 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.844 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.300 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 10mm with HSUPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.360 W/kg

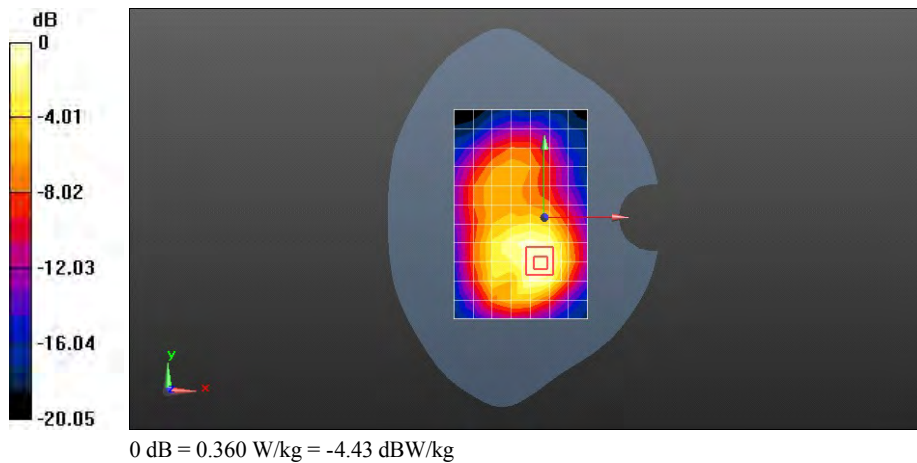
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.144 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.391 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band IV 1413CH Towards Ground 10mm with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.498 W/kg

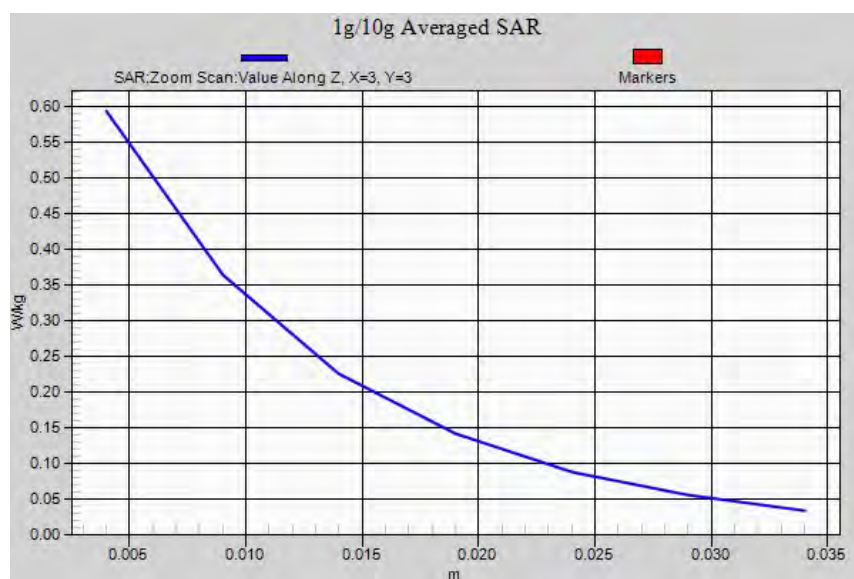
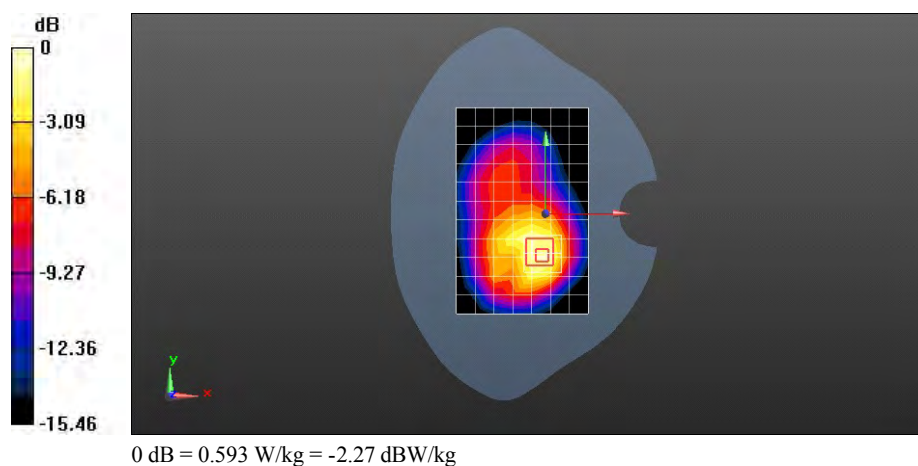
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.523 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.317 W/kg

Maximum value of SAR (measured) = 0.593 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9538CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 41.38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

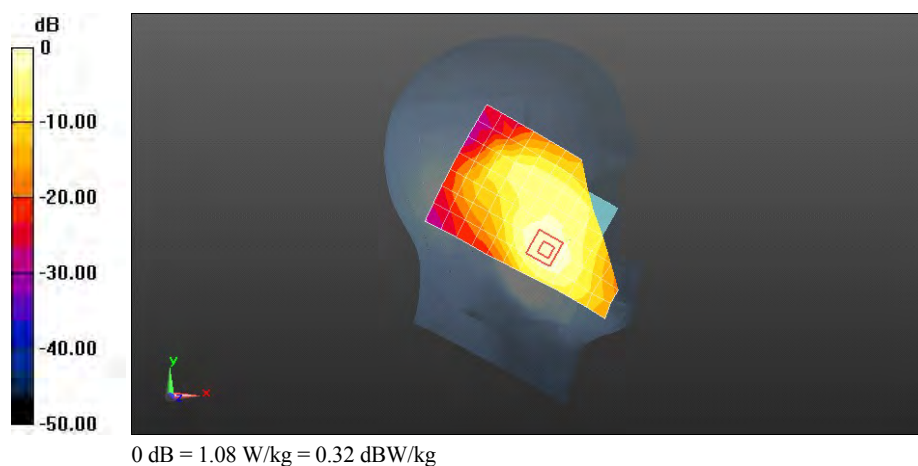
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.699 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.554 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 41.425$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.10 W/kg

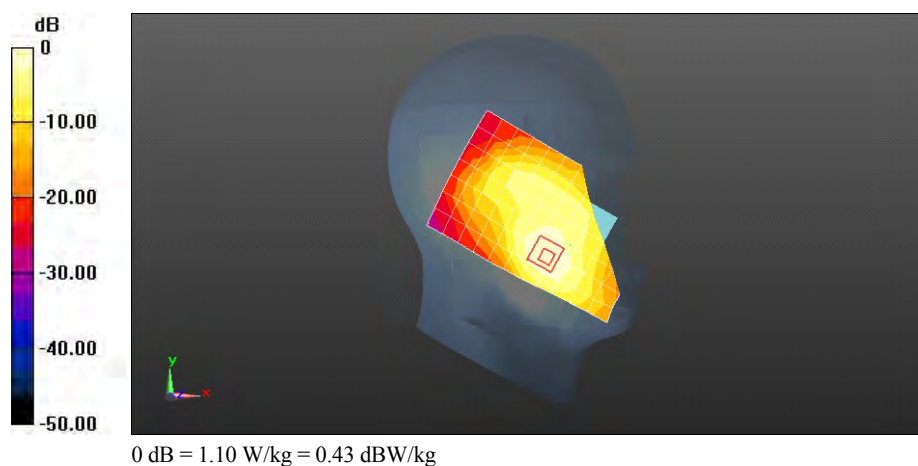
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.531 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.568 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9262CH Left hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.543$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 1.15 W/kg

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

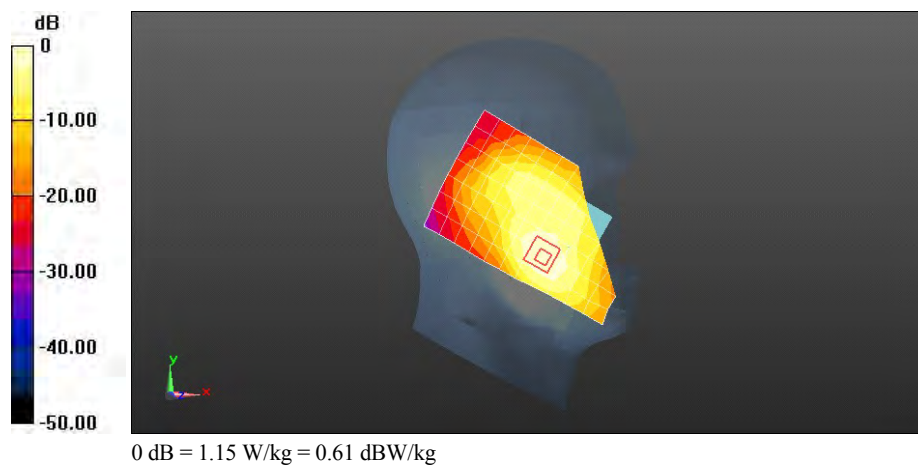
Reference Value = 8.749 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.580 W/kg

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

Maximum value of SAR (measured) = 1.17 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Left hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 41.425$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

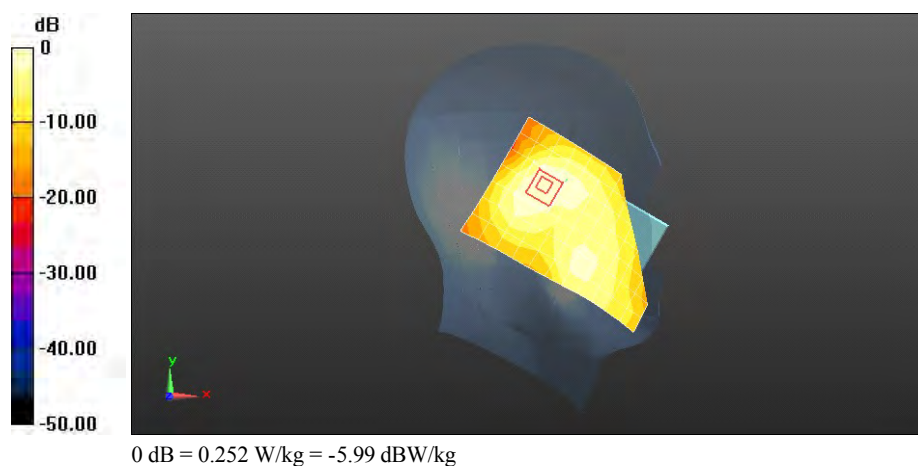
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.430 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.280 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9538CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 41.38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.754 W/kg

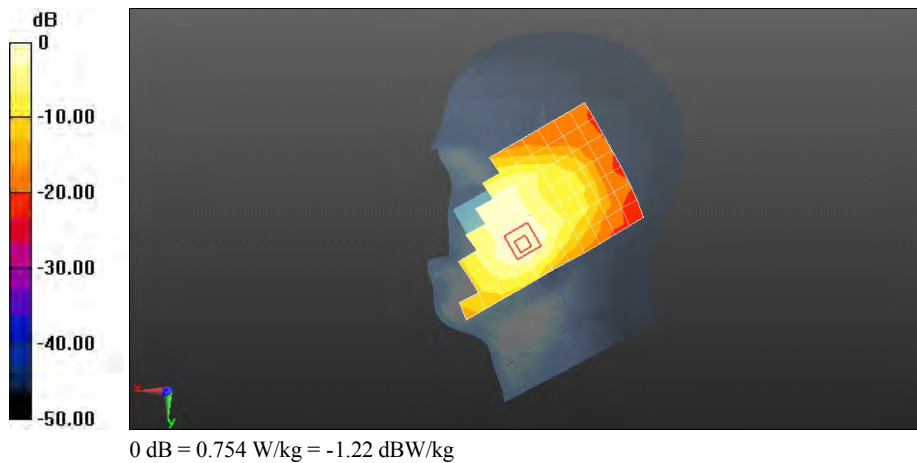
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.970 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 0.756 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 41.425$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.750 W/kg

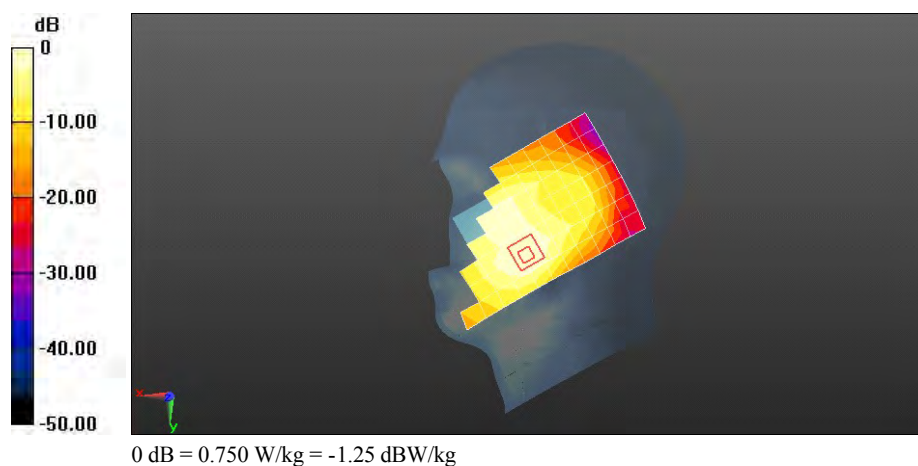
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.288 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.411 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9262CH Right hand touch cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.543$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.727 W/kg

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

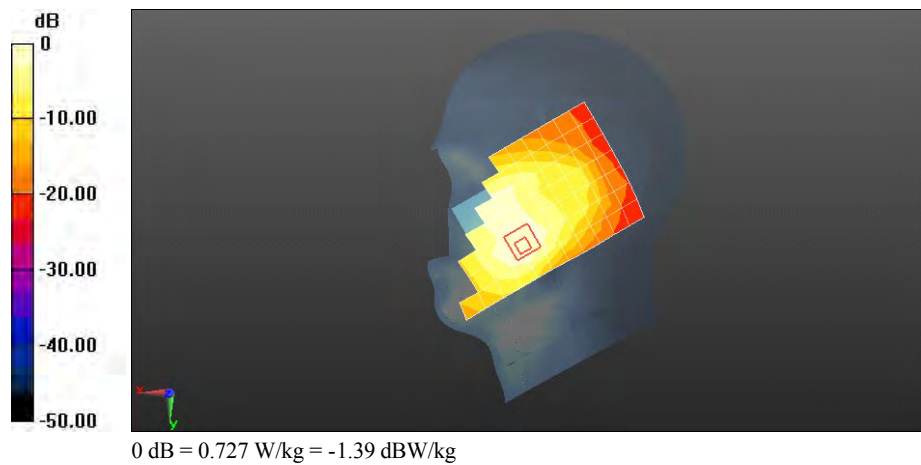
Reference Value = 7.121 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.412 W/kg

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

Maximum value of SAR (measured) = 0.734 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Right hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 41.425$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.211 W/kg

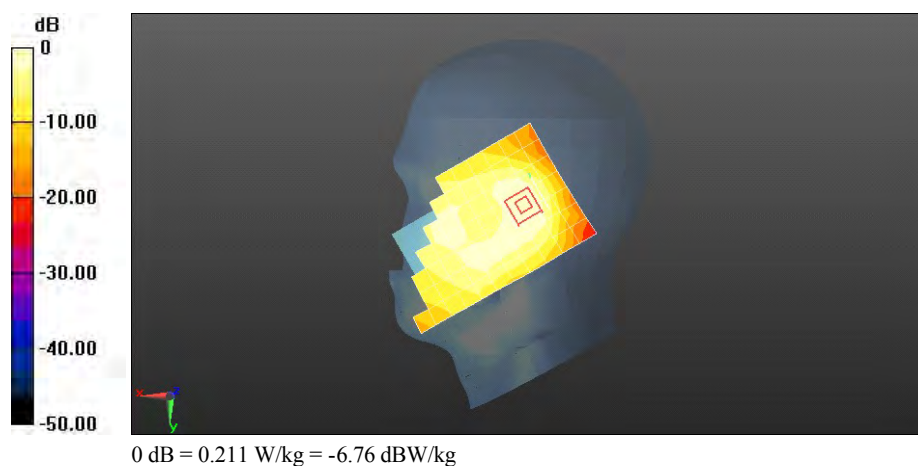
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.649 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.255 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9262CH Left hand touch cheek with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.543$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

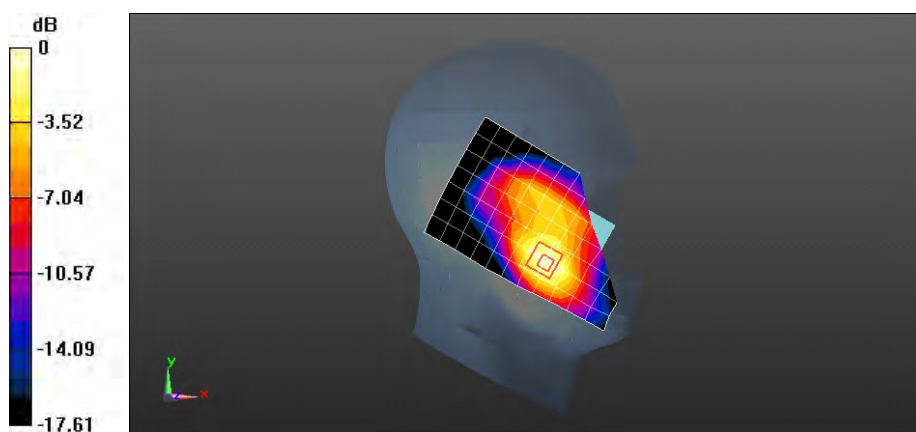
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.120 V/m; Power Drift = 0.04 dB

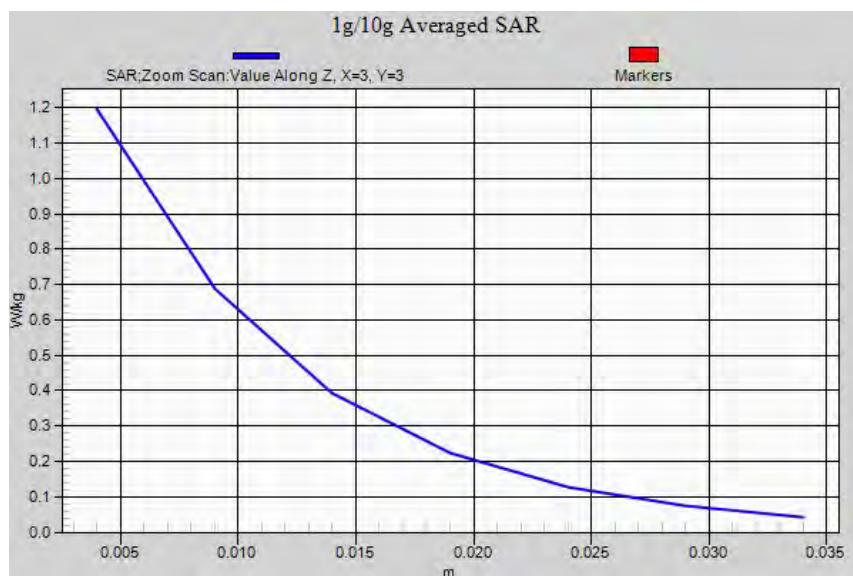
Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.593 W/kg

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



0 dB = 1.20 W/kg = 0.79 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9262CH Left hand touch cheek with batter 2#-repeated

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 41.543$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 1.17 W/kg

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

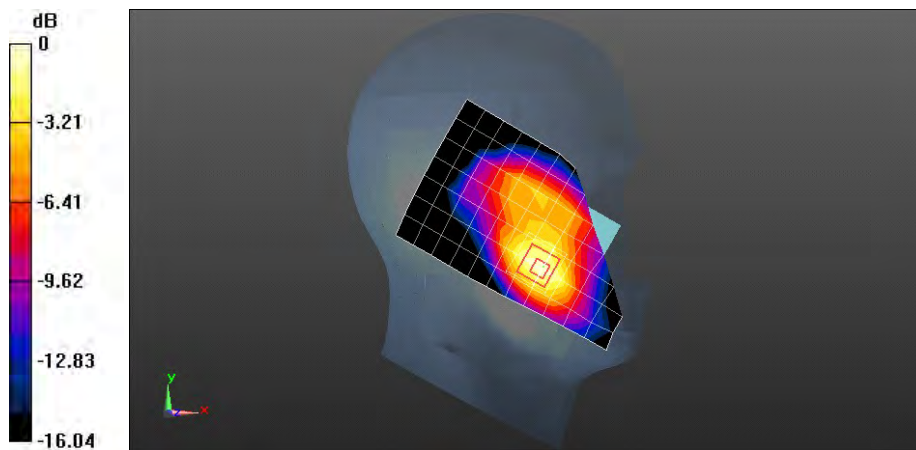
Reference Value = 8.478 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.78 W/kg

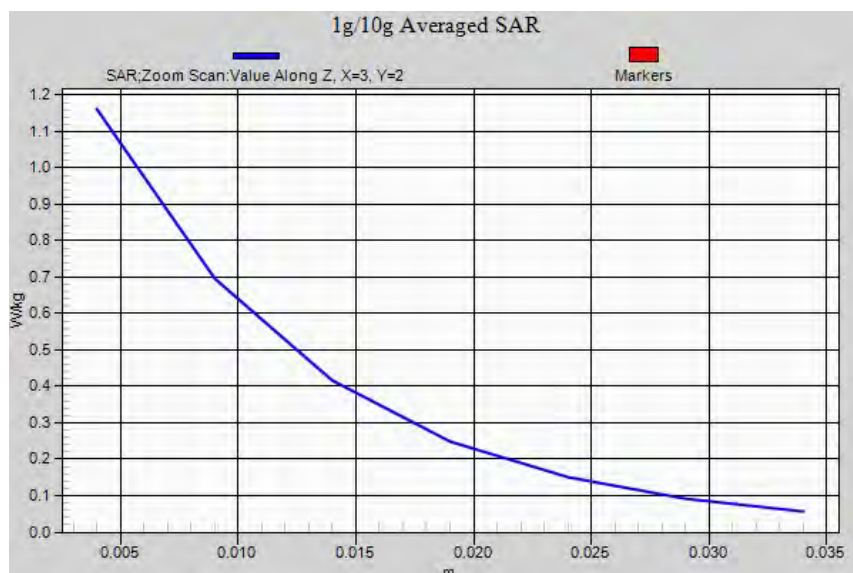
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.593 W/kg

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

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Phantom 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.643 W/kg

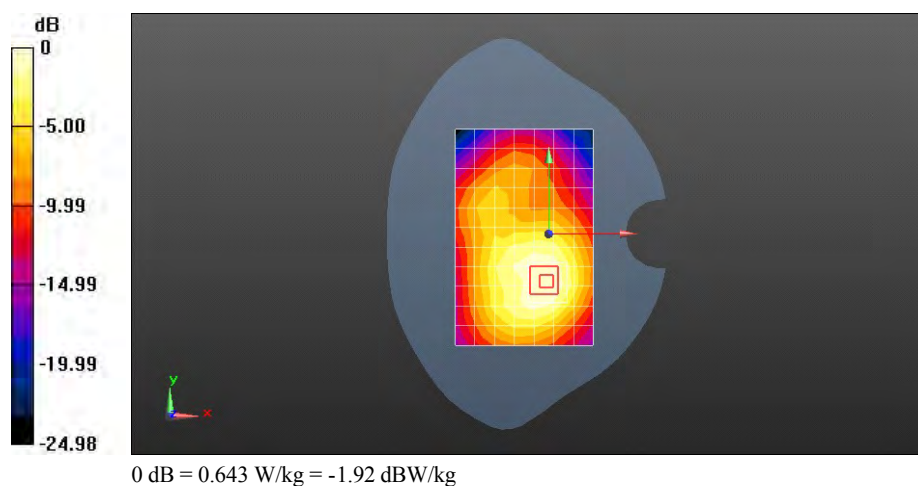
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.344 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.363 W/kg

Maximum value of SAR (measured) = 0.686 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9538CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 53.531$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.465 W/kg

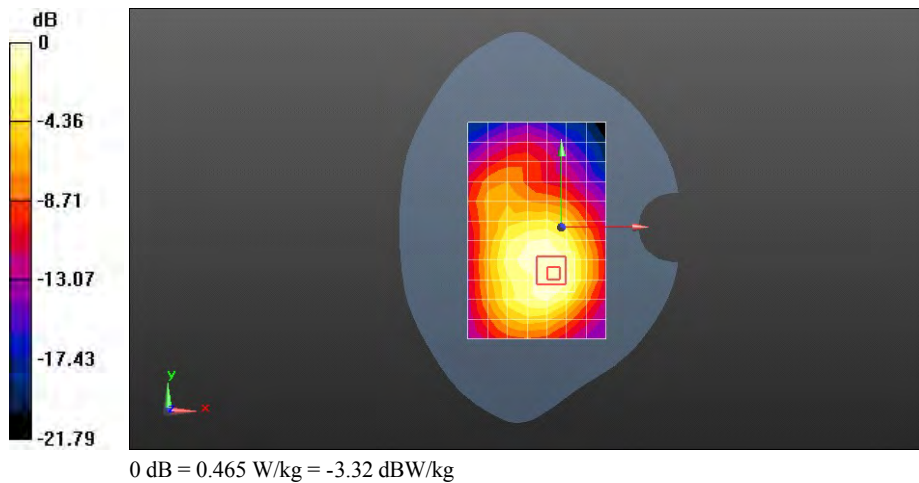
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.584 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.692 W/kg

SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.484 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.677 W/kg

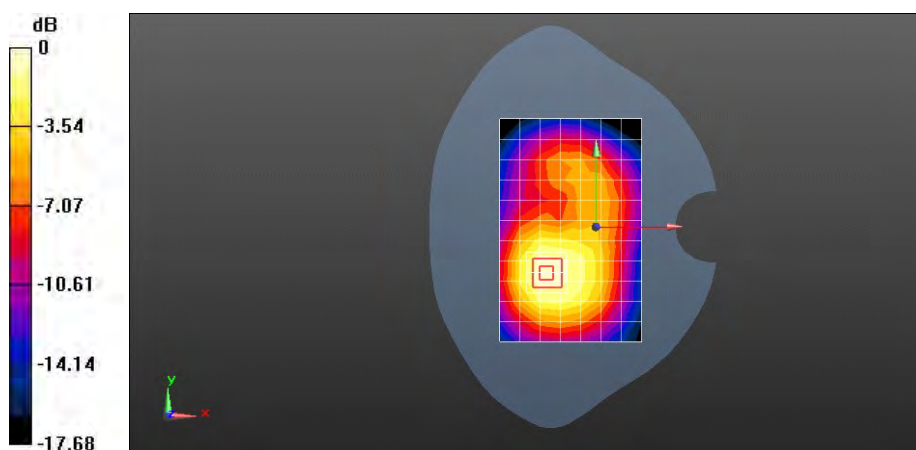
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.541 V/m; Power Drift = 0.10 dB

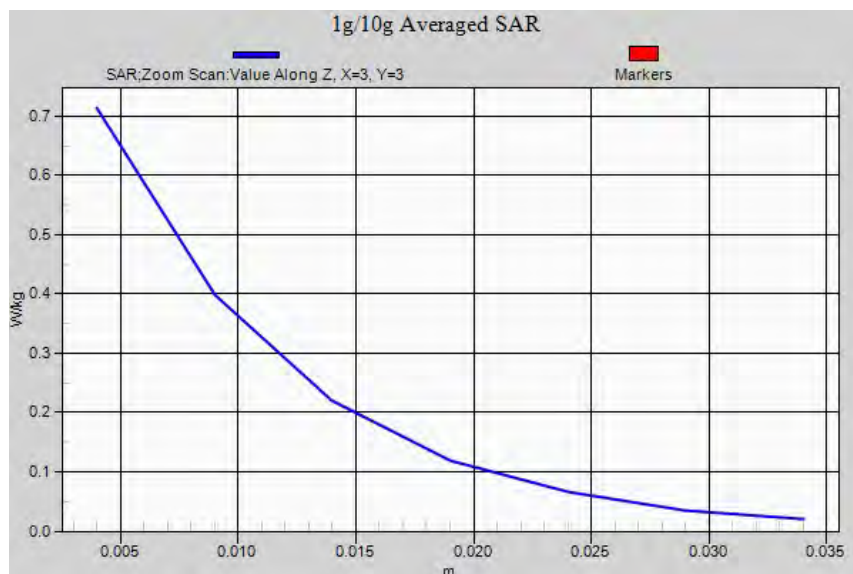
Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.381 W/kg

Maximum value of SAR (measured) = 0.713 W/kg



0 dB = 0.713 W/kg = -1.47 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9262CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.452$ mho/m; $\epsilon_r = 53.627$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.466 W/kg

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

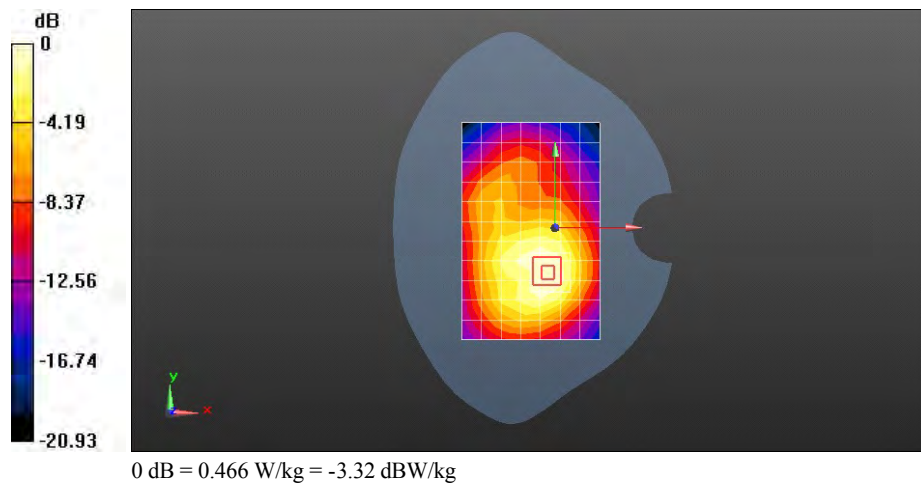
Reference Value = 11.117 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.706 W/kg

SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.288 W/kg

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

Maximum value of SAR (measured) = 0.502 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 15mm with HSDPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.620 W/kg

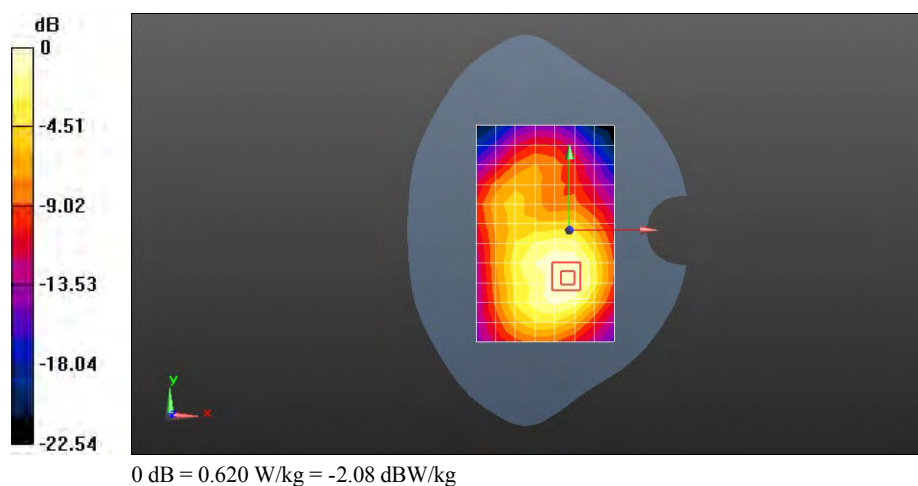
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.379 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.354 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 15mm with HSUPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.494 W/kg

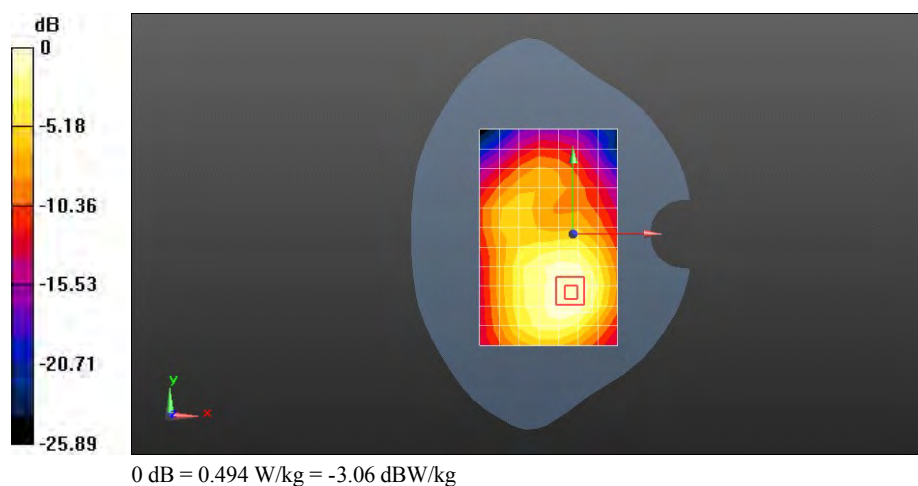
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.754 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.807 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.271 W/kg

Maximum value of SAR (measured) = 0.515 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 15mm with Headset

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.572 W/kg

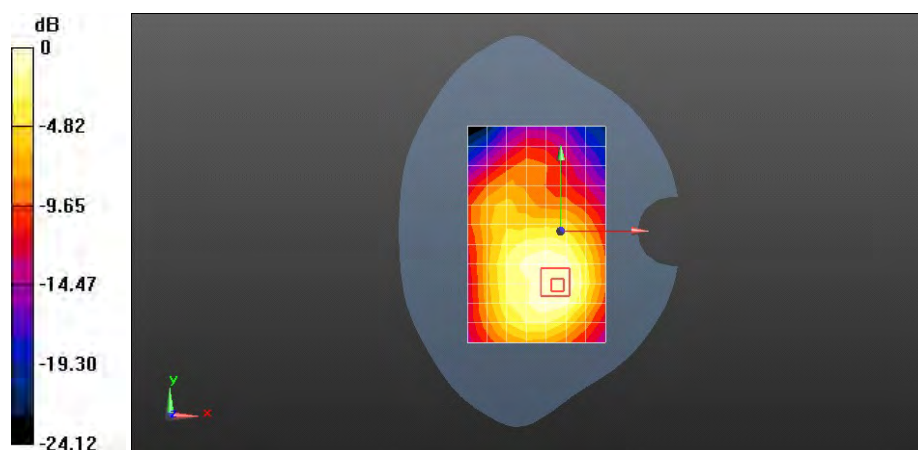
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.329 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.984 W/kg

SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.333 W/kg

Maximum value of SAR (measured) = 0.620 W/kg



0 dB = 0.572 W/kg = -2.43 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 15mm with battery 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.643 W/kg

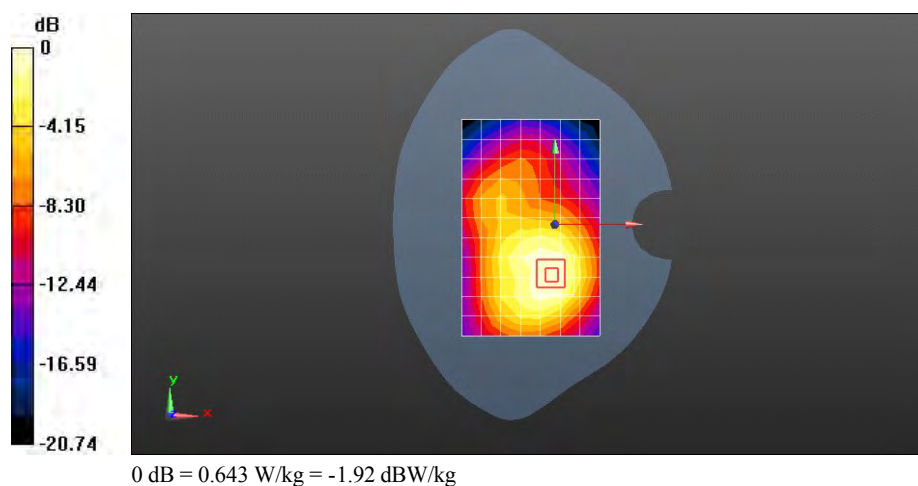
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.151 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.372 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.553 W/kg

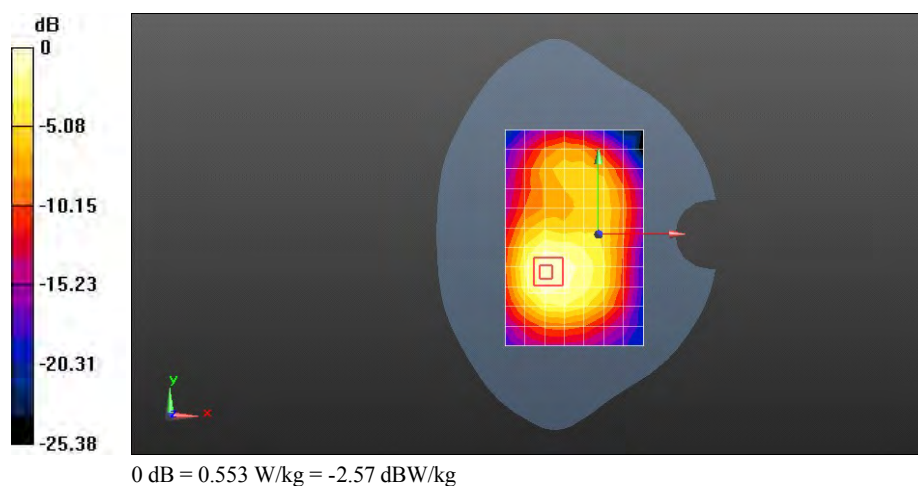
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.207 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.915 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 0.558 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.528 W/kg

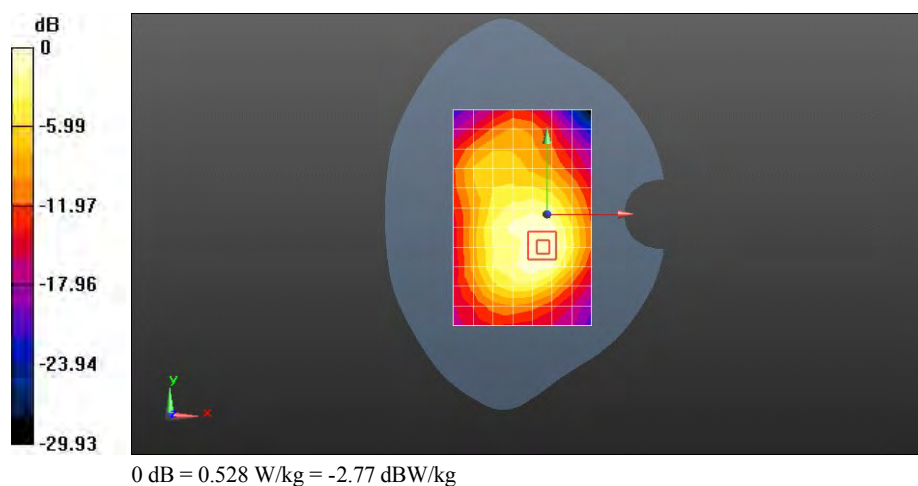
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.528 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.989 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.308 W/kg

Maximum value of SAR (measured) = 0.608 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Left edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.246 W/kg

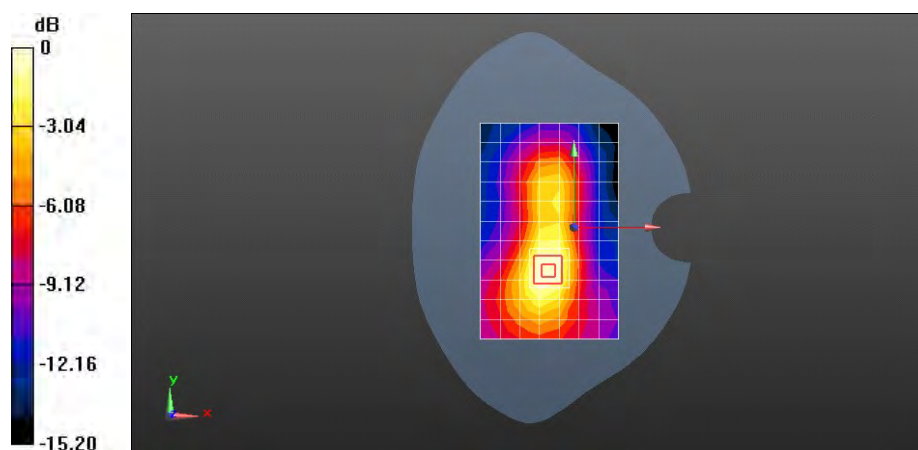
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.808 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.294 W/kg



0 dB = 0.246 W/kg = -6.09 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Right edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.149 W/kg

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

Reference Value = 7.034 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.235 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.151 W/kg

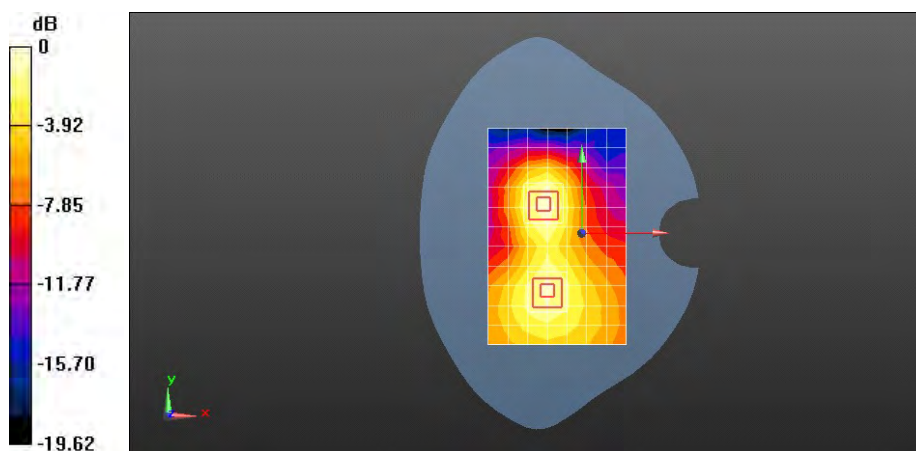
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.034 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.066 W/kg

Maximum value of SAR (measured) = 0.124 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Bottom edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.522 W/kg

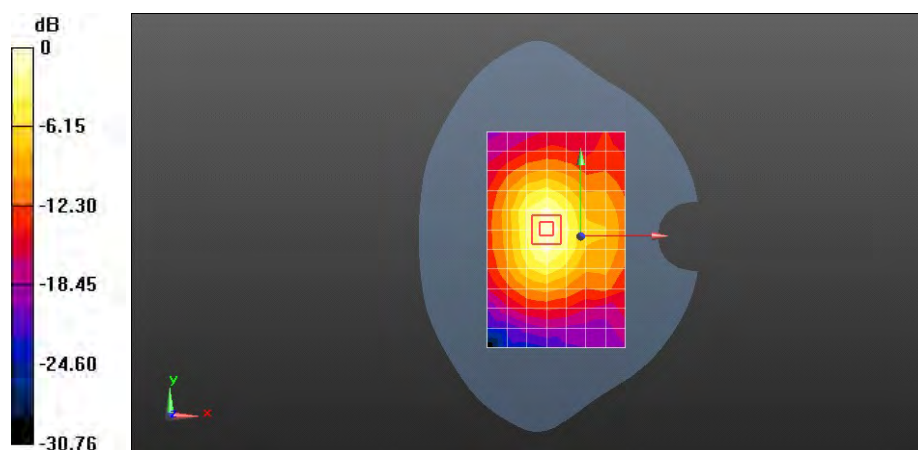
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.337 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.844 W/kg

SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.525 W/kg



0 dB = 0.522 W/kg = -2.82 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 10mm with HSDPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.533 W/kg

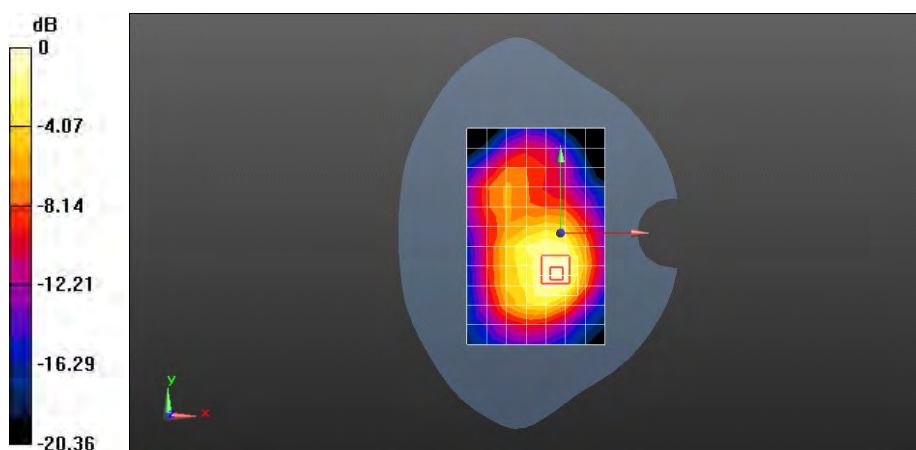
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.463 V/m; Power Drift = -0.03 dB

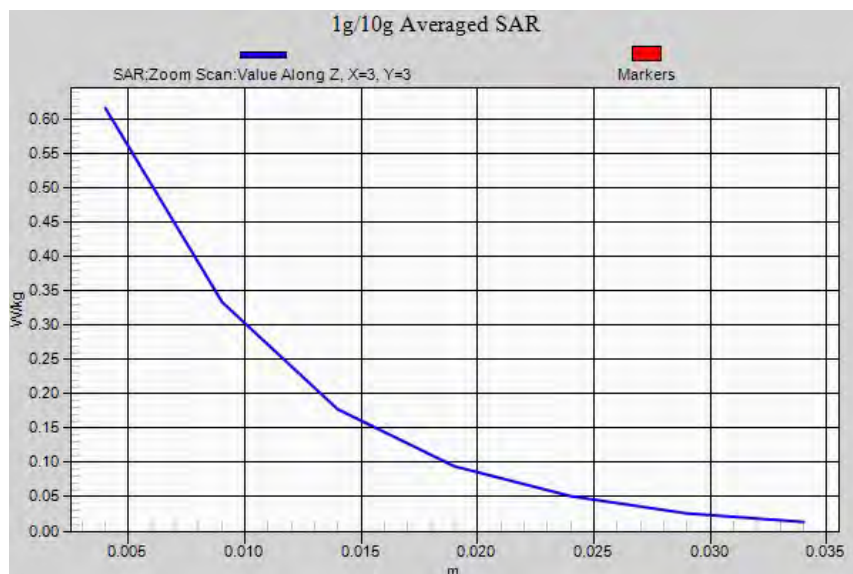
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.311 W/kg

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



0 dB = 0.617 W/kg = -2.10 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 10mm with HSUPA

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.358 W/kg

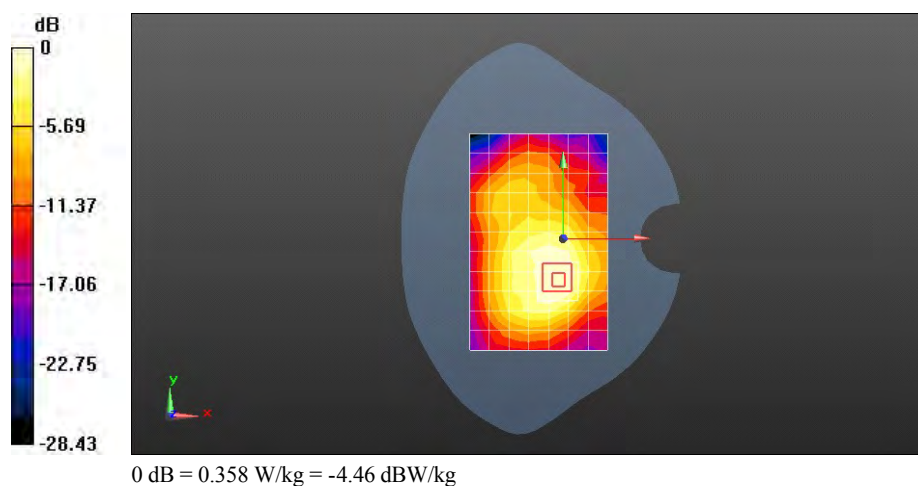
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.971 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.667 W/kg

SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.412 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 UMTS Band II 9400CH Towards Ground 10mm with HSDPA and battery 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.579$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.493 W/kg

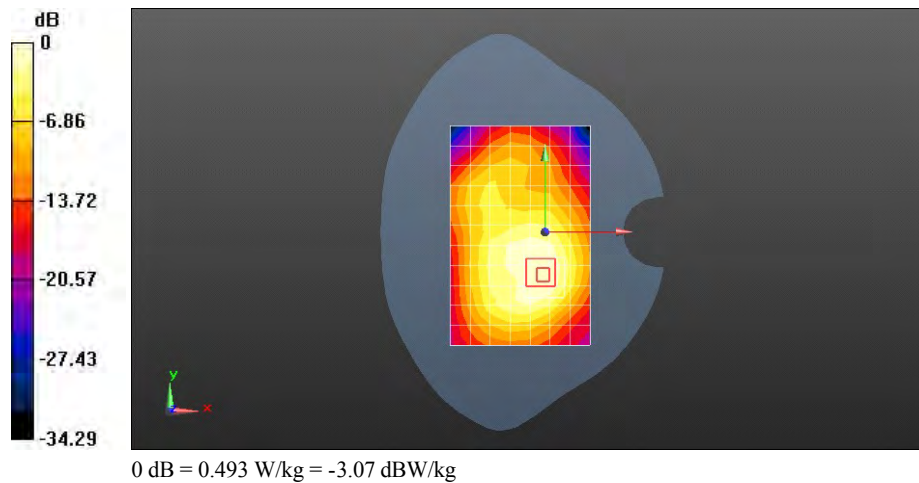
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.807 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.911 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 0.563 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WiFi 11b 6CH Left hand touched cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.844$ mho/m; $\epsilon_r = 38.23$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.672 W/kg

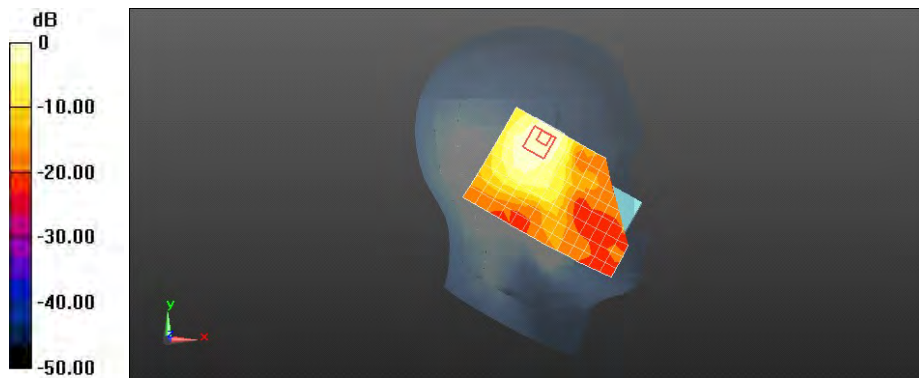
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.306 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.307 W/kg

Maximum value of SAR (measured) = 0.649 W/kg



0 dB = 0.672 W/kg = -1.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WiFi 11b 6CH Left hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.844$ mho/m; $\epsilon_r = 38.23$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

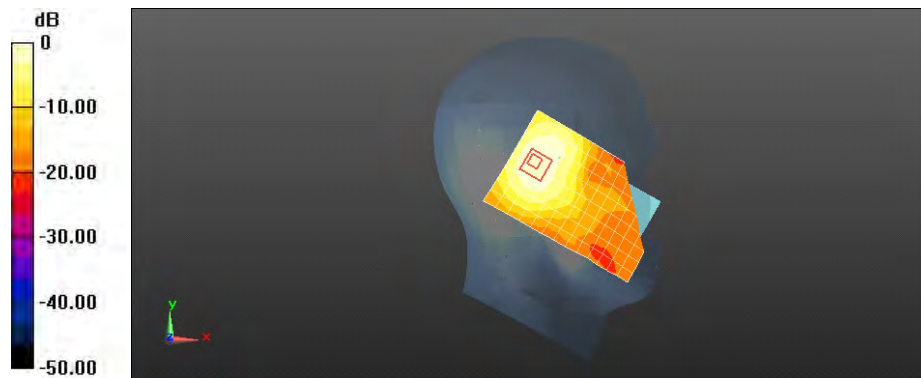
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.698 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.829 W/kg

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

Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.429 W/kg = -3.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WiFi 11b 6CH Right hand touched cheek

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.844$ mho/m; $\epsilon_r = 38.23$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.584 W/kg

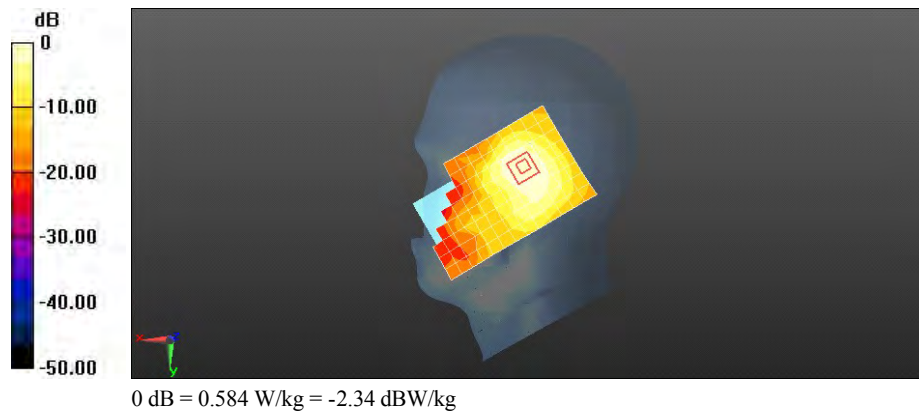
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.772 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.628 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WiFi 11b 6CH Right hand tilt 15 degree

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.844$ mho/m; $\epsilon_r = 38.23$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.464 W/kg

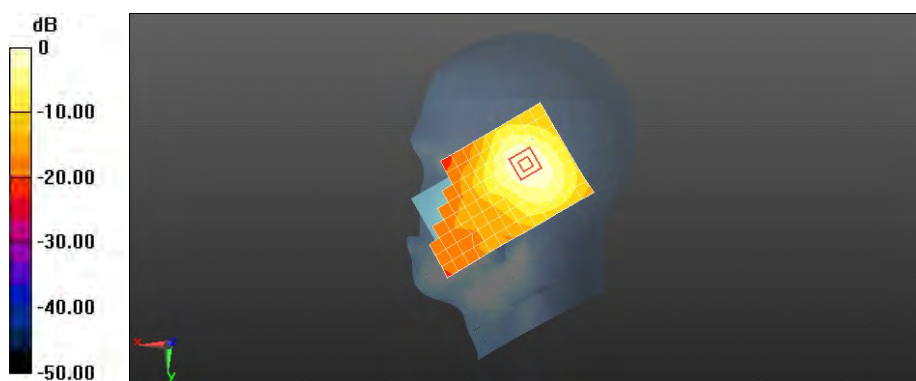
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.083 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.787 W/kg

SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.484 W/kg



0 dB = 0.464 W/kg = -3.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WiFi 11b 6CH Left hand touched cheek with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.844$ mho/m; $\epsilon_r = 38.23$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (9x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.704 W/kg

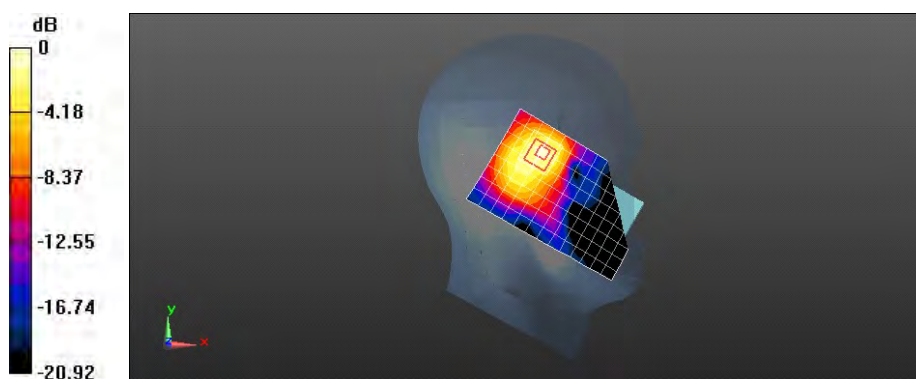
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.454 V/m; Power Drift = 0.06 dB

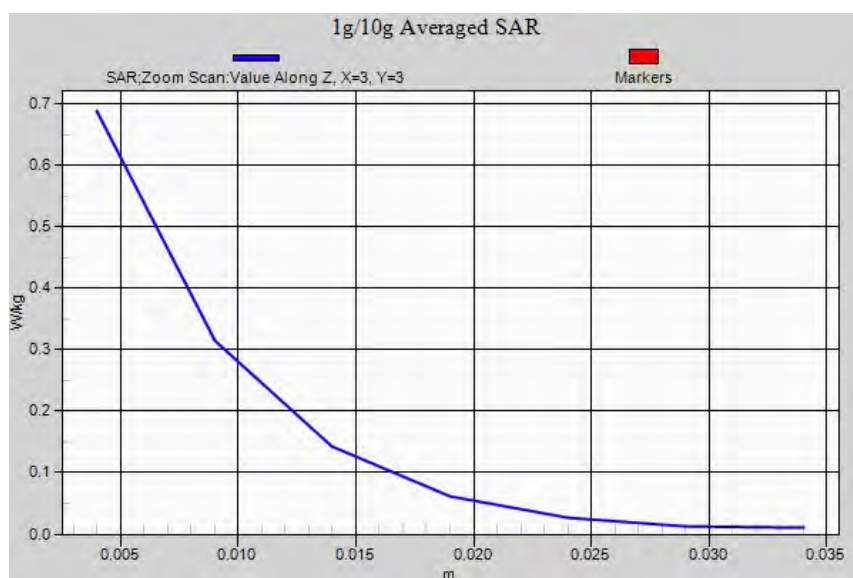
Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 0.688 W/kg



0 dB = 0.688 W/kg = -1.62 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WIFI 11b 6CH Towards Phantom 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

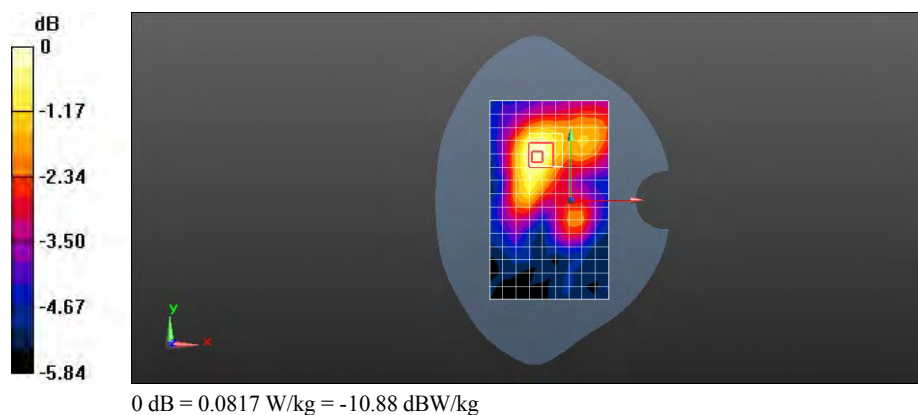
Maximum value of SAR (measured) = 0.0817 W/kg

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

Reference Value = 4.653 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.046 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WIFI 11b 6CH Towards Ground 15mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.192 W/kg

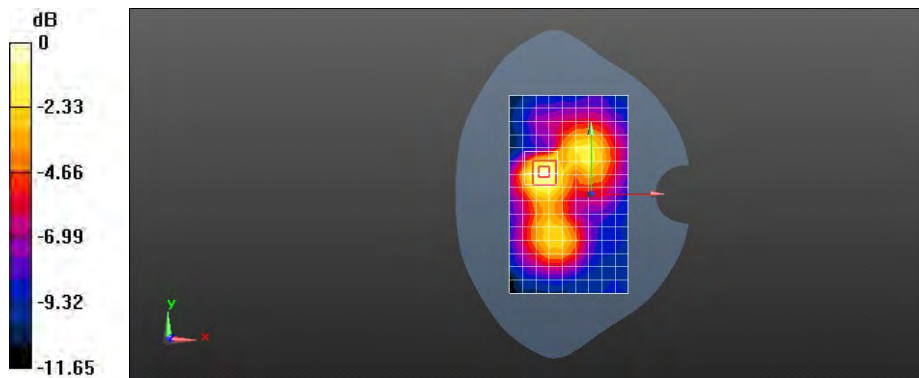
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.415 V/m; Power Drift = -0.03 dB

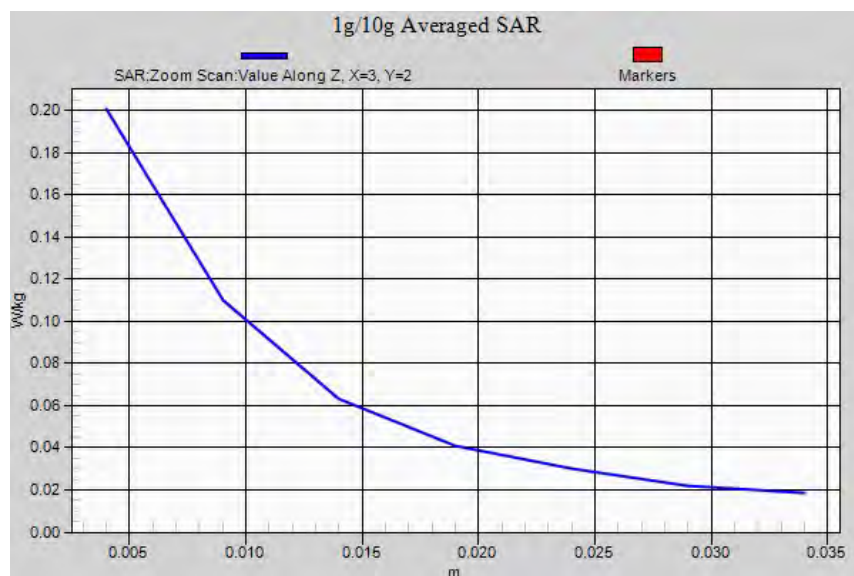
Peak SAR (extrapolated) = 0.820 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.102 W/kg

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



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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WIFI 11b 6CH Towards Ground 15mm with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

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

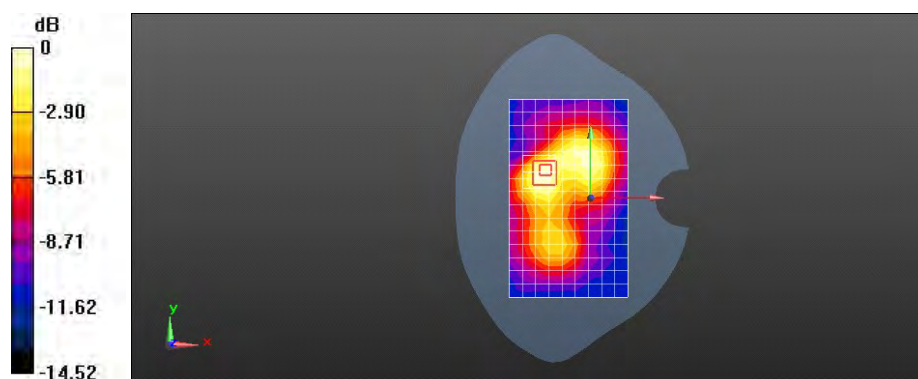
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.422 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.084 W/kg

Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg = -6.80 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WIFI 11b 6CH Towards Phantom 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

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

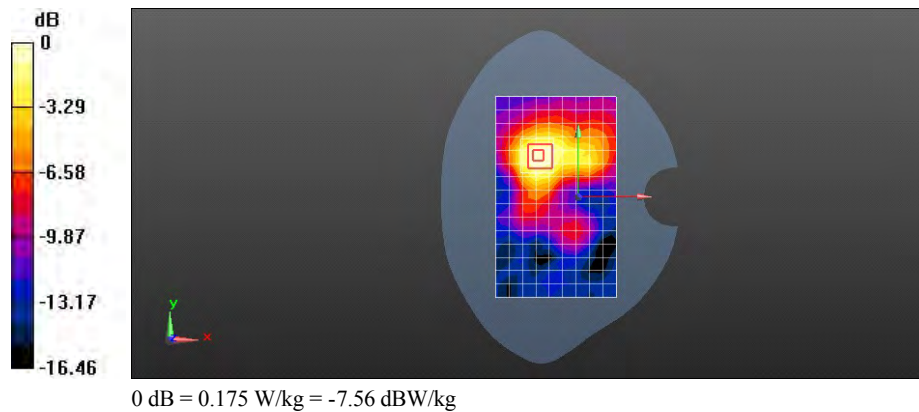
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.162 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.085 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WIFI 11b 6CH Towards Ground 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.485 W/kg

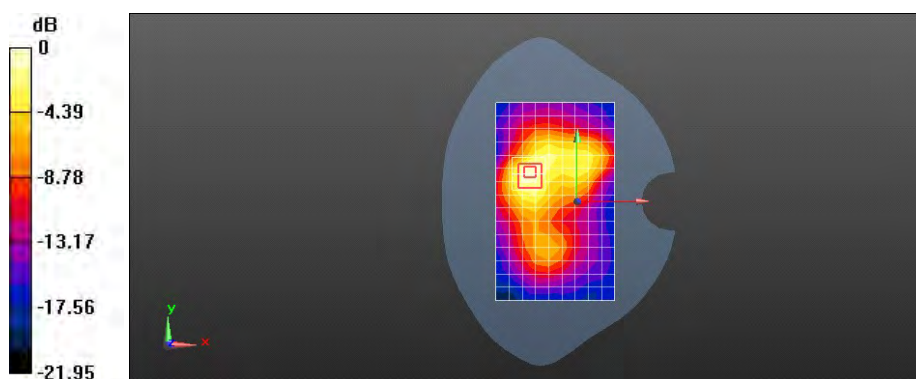
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.946 V/m; Power Drift = -0.03 dB

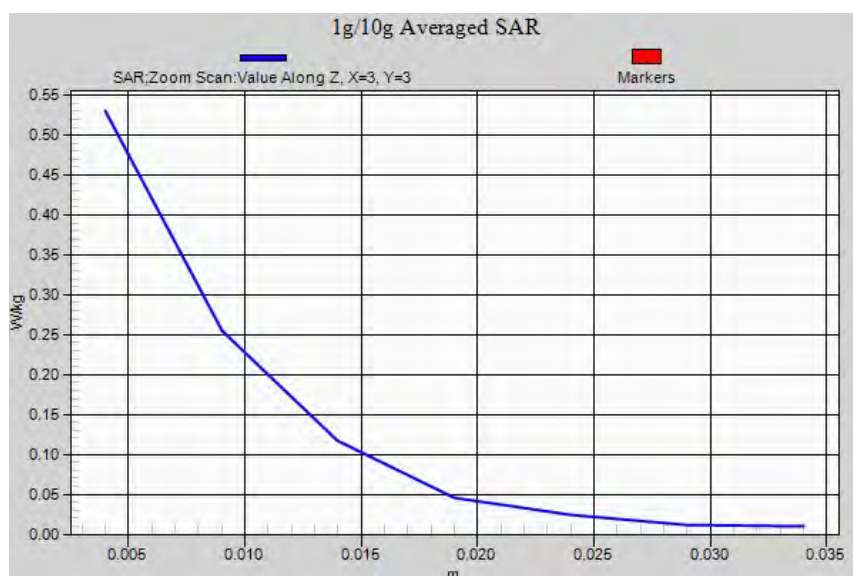
Peak SAR (extrapolated) = 0.961 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.224 W/kg

Maximum value of SAR (measured) = 0.530 W/kg



0 dB = 0.530 W/kg = -2.76 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WIFI 11b 6CH Right edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

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

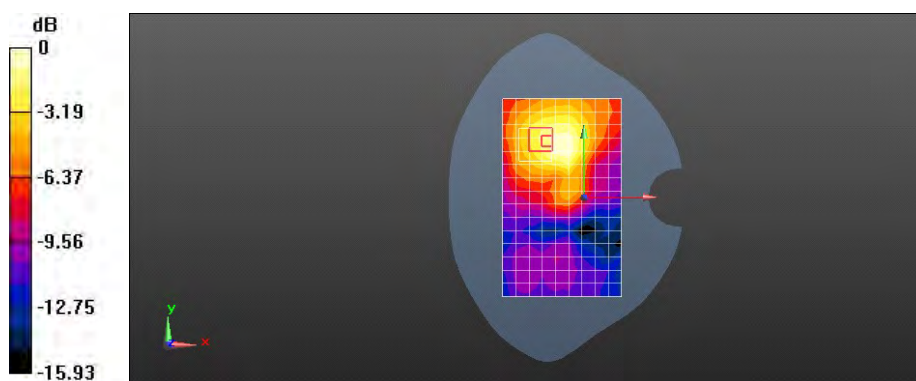
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.766 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.134 W/kg = -8.71 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WIFI 11b 6CH Top edge 10mm

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

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

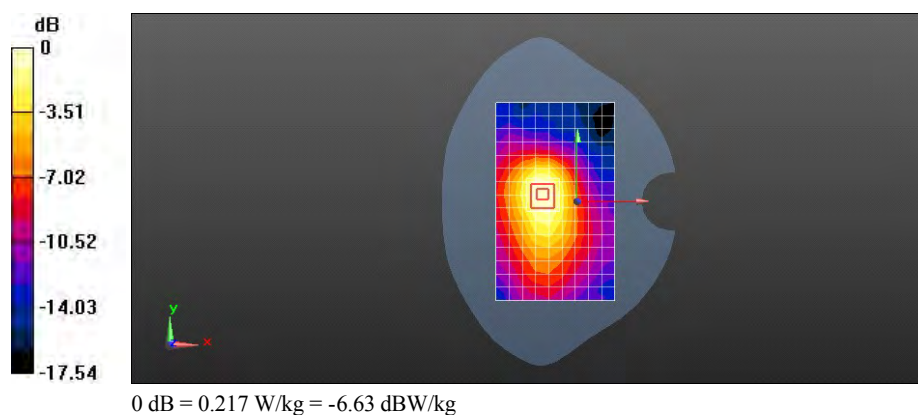
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.479 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.114 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

U8686 WIFI 11b 6CH Towards Ground 10mm with batter 2#

DUT: HUAWEI U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 2012-4-26;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Maximum value of SAR (measured) = 0.471 W/kg

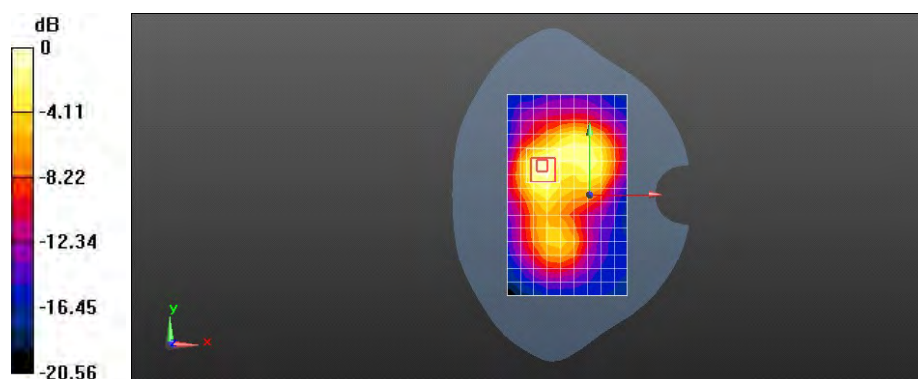
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.629 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.503 W/kg



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