

**Appendix B. SAR Measurement Plots**

Table of contents
GSM850 MHz Head
GSM850 MHz Body
GSM1900 MHz Head
GSM1900 MHz Body
UMTS Band V Head
UMTS Band V Body
UMTS Band IV Head
UMTS Band IV Body
UMTS Band II Head
UMTS Band II Body
WiFi 802.11b Head
WiFi 802.11b Body

Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 190CH Left hand touch cheek

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.499$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

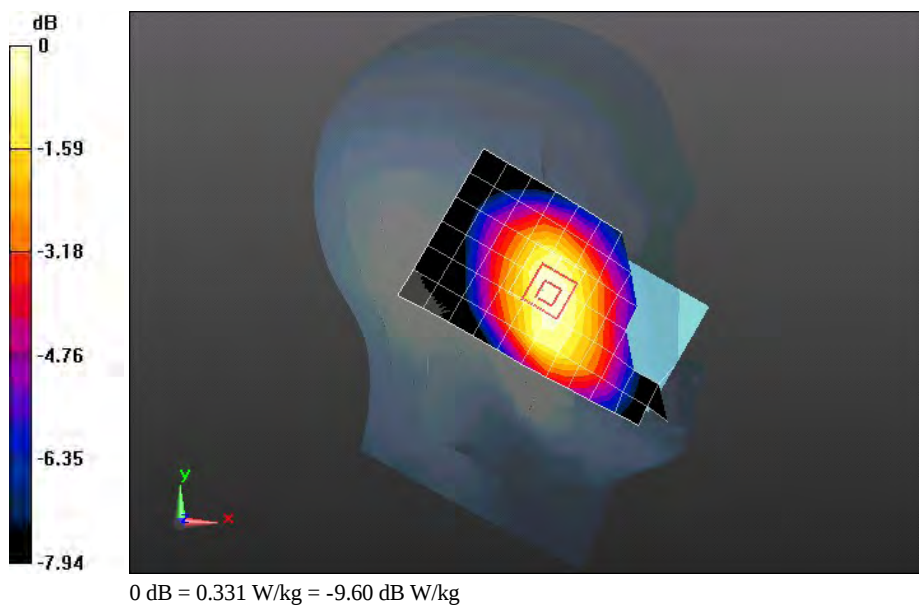
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.843 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.390 mW/g

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.331 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 190CH Left hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.499$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.228 W/kg

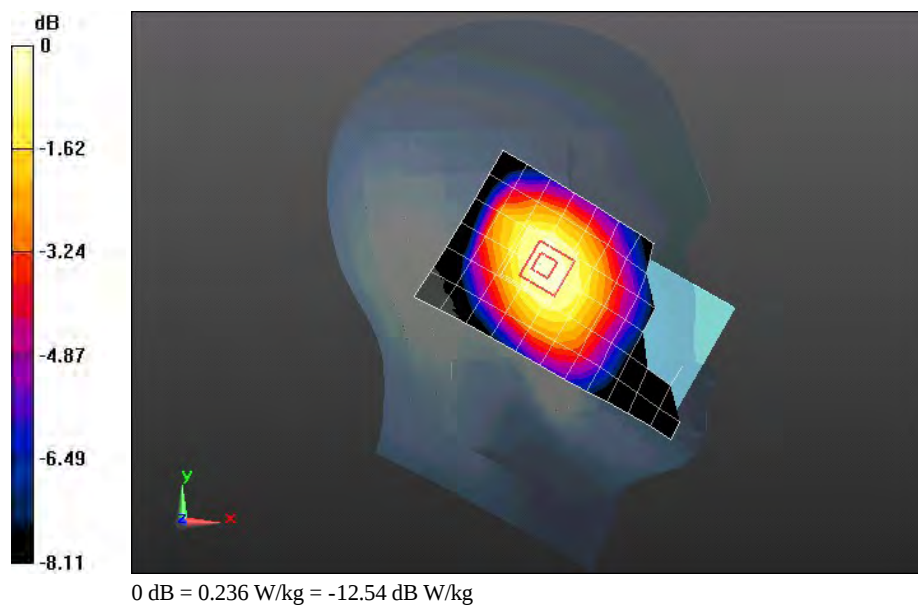
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.192 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.280 mW/g

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.174 mW/g

Maximum value of SAR (measured) = 0.236 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 190CH Right hand touch cheek**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.499$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.379 W/kg

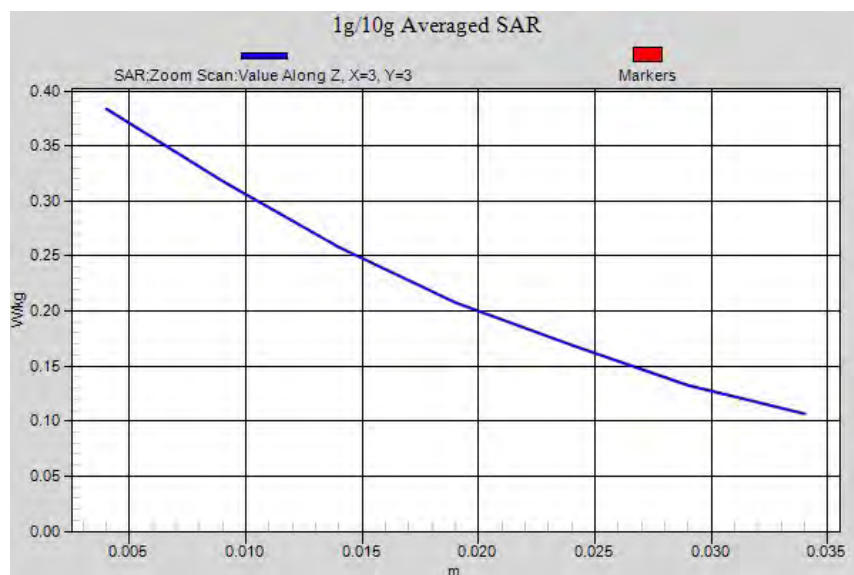
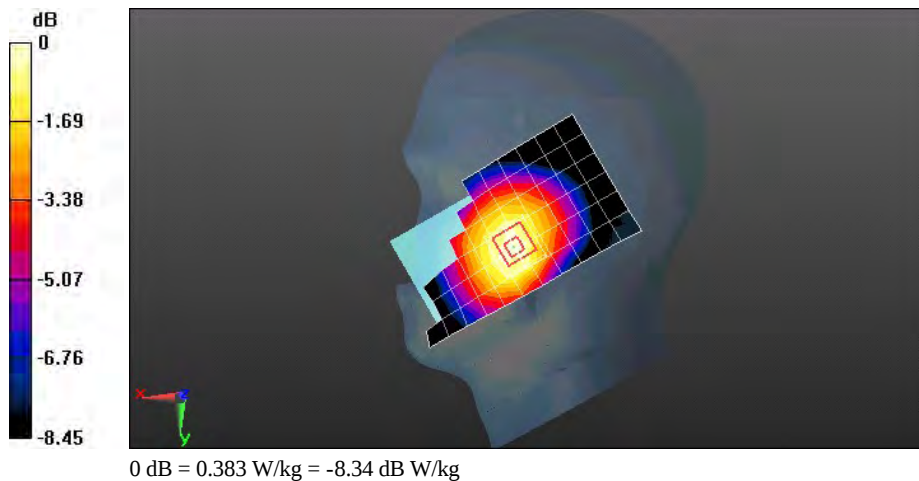
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.440 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.444 mW/g

SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.383 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 190CH Right hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.499$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.238 W/kg

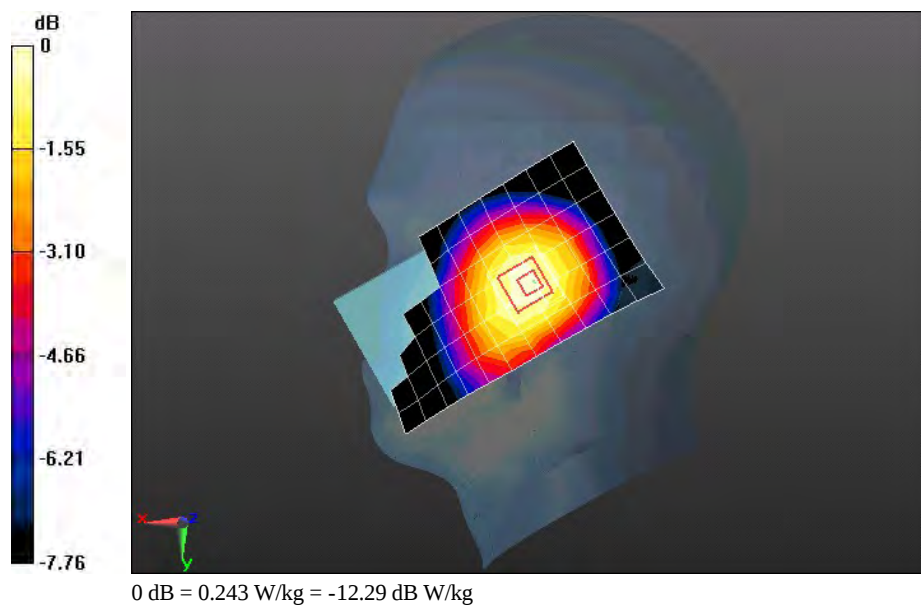
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.803 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.287 mW/g

SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.179 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 GPRS 1TS 190CH Towards Phantom 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

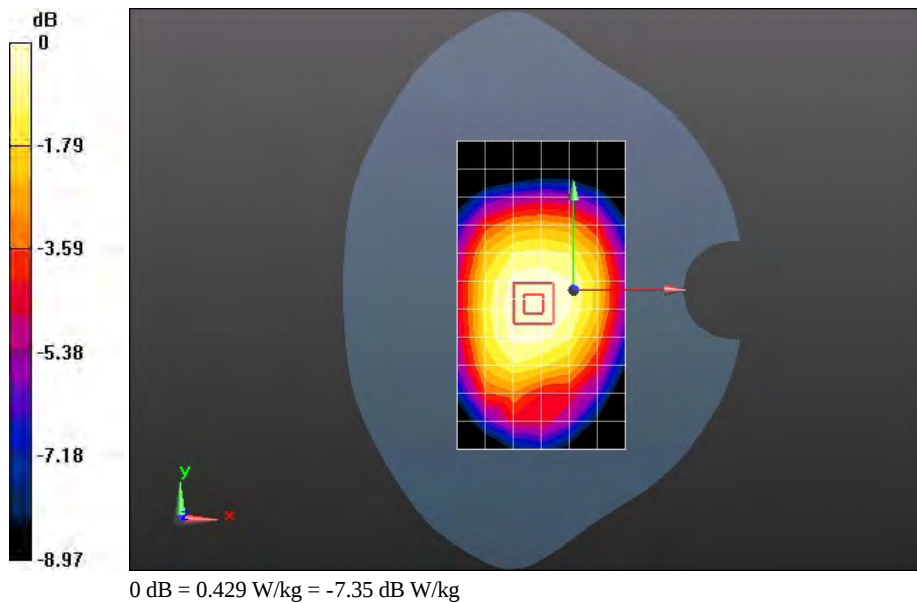
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.782 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.509 mW/g

SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.316 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 GPRS 2TS 190CH Towards Phantom 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

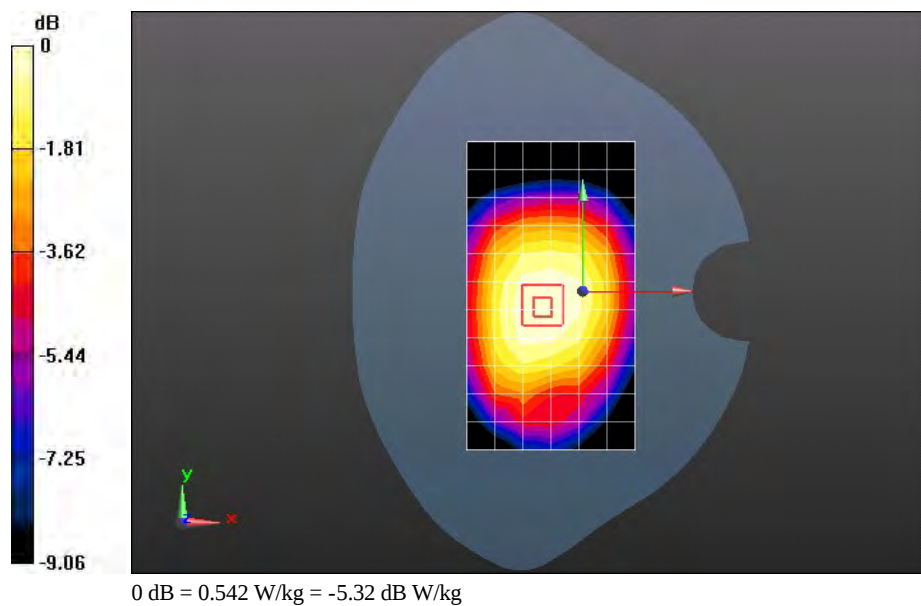
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.365 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.646 mW/g

SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.400 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 GPRS 2TS 190CH Towards Ground 10mm**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

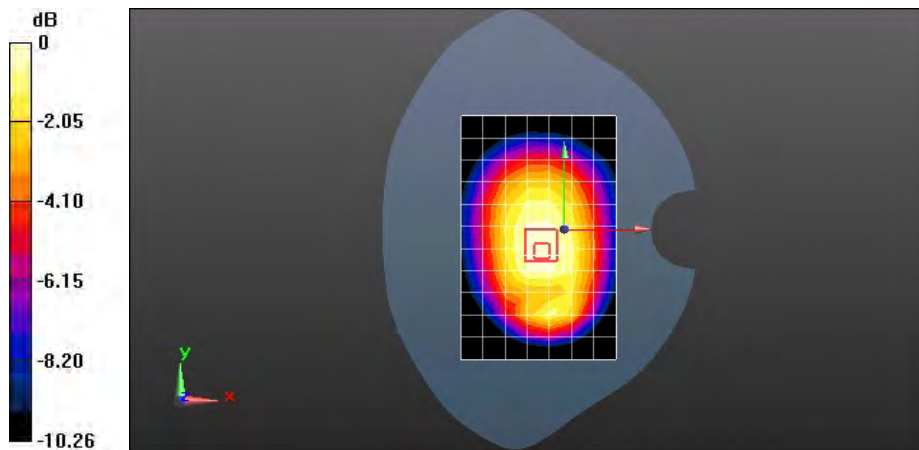
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.578 V/m; Power Drift = -0.04 dB

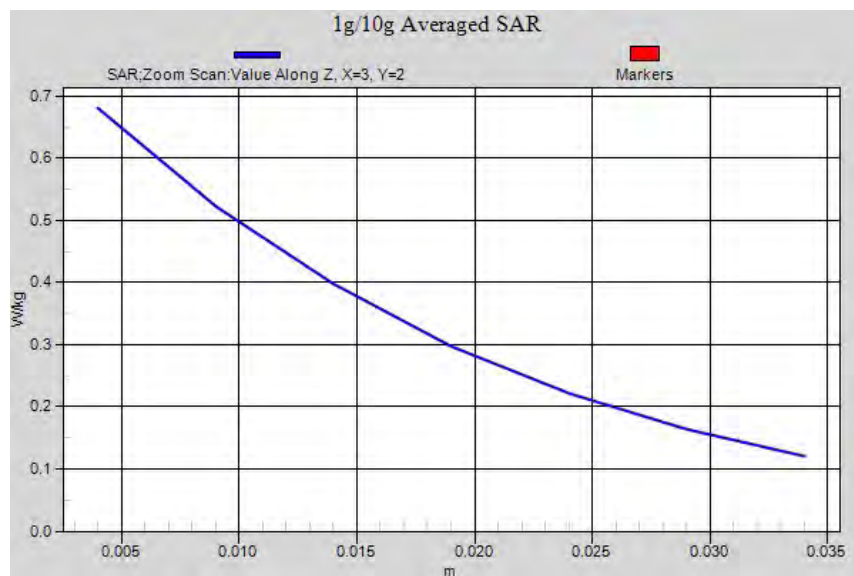
Peak SAR (extrapolated) = 0.819 mW/g

SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.484 mW/g

Maximum value of SAR (measured) = 0.681 W/kg



0 dB = 0.681 W/kg = -3.34 dB W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 GPRS 2TS 190CH Left edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

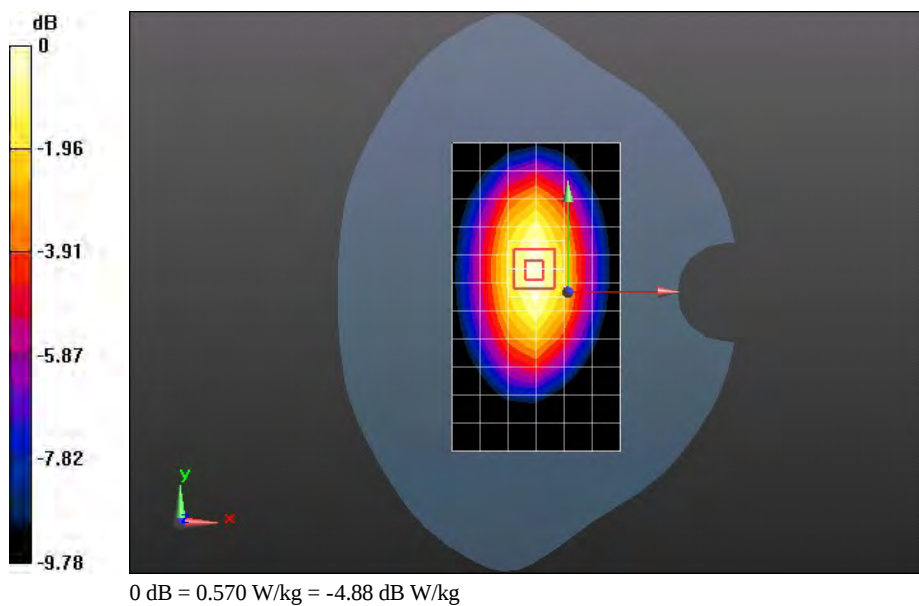
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.655 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.748 mW/g

SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.362 mW/g

Maximum value of SAR (measured) = 0.570 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 GPRS 2TS 190CH Right edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

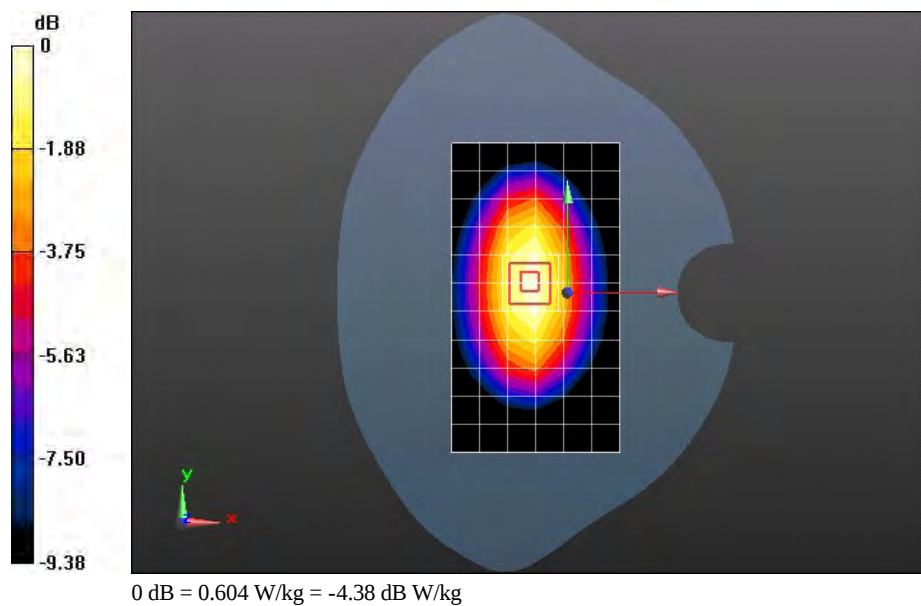
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.683 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.801 mW/g

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.388 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 GPRS 2TS 190CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.128 W/kg

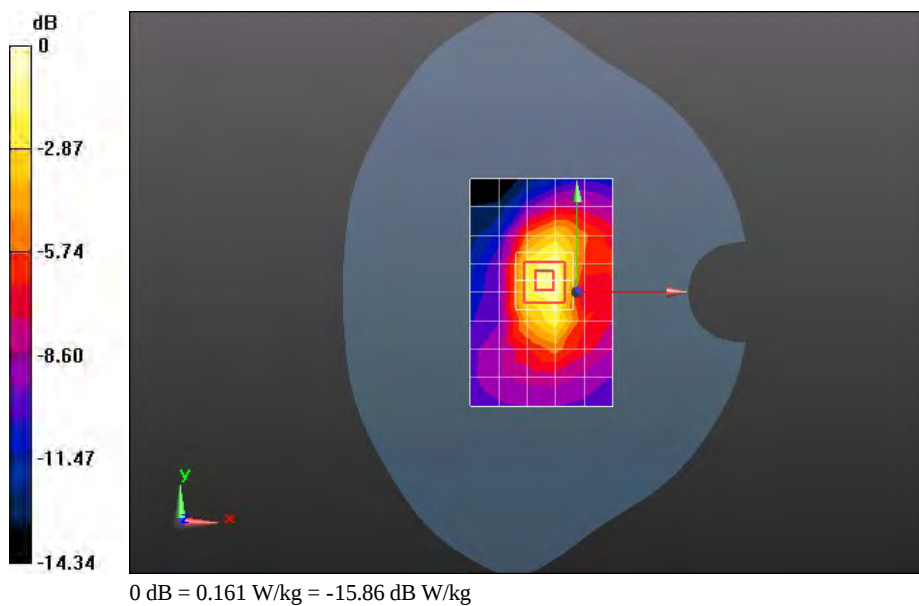
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.702 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.254 mW/g

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.161 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 EGPRS 1TS 190CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.478 W/kg

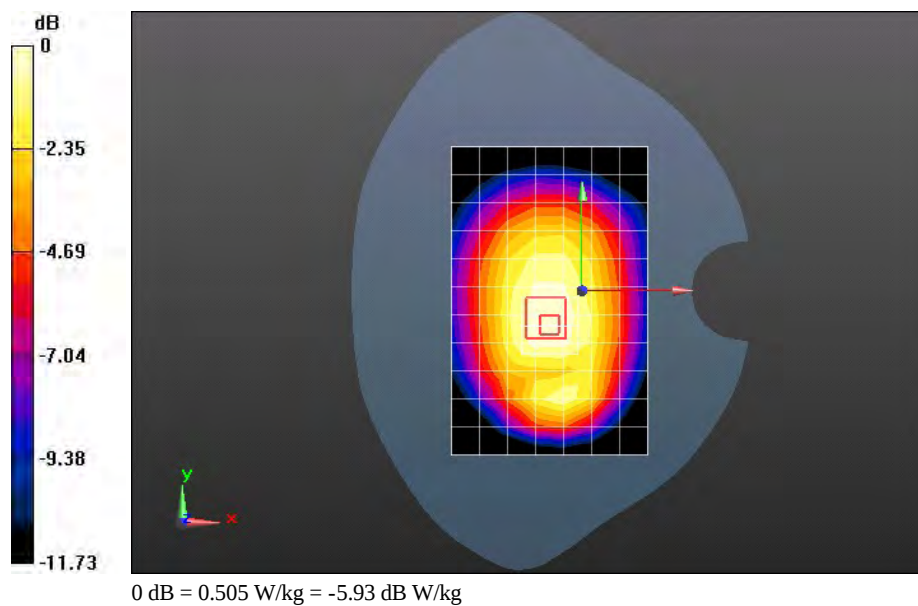
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.501 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.614 mW/g

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.355 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 EGPRS 2TS 190CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.601 W/kg

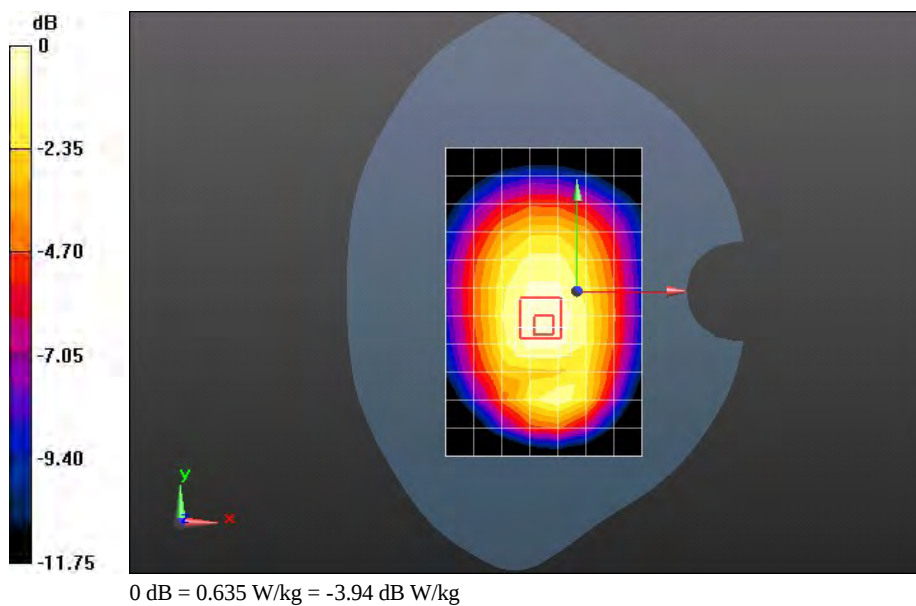
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.309 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.774 mW/g

SAR(1 g) = 0.602 mW/g; SAR(10 g) = 0.447 mW/g

Maximum value of SAR (measured) = 0.635 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM850 190CH Towards Ground 10mm with Headset

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.904$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

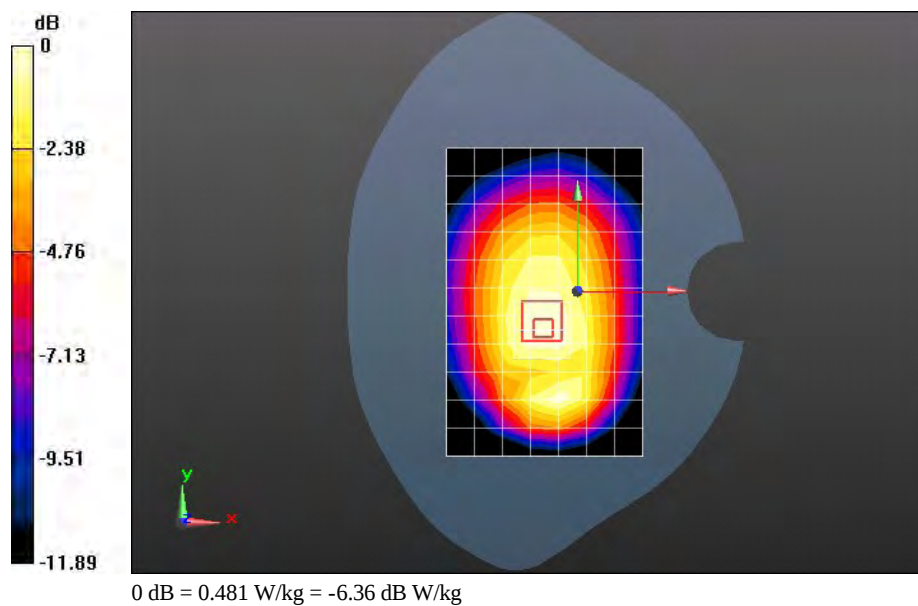
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.654 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.594 mW/g

SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.481 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 661CH Left hand touch cheek**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM/GPRS/EDGE 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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.257 W/kg

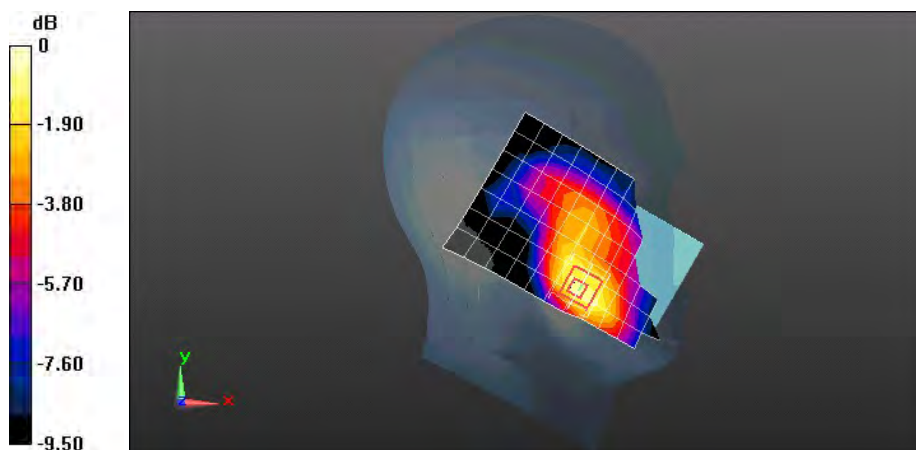
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.942 V/m; Power Drift = 0.11 dB

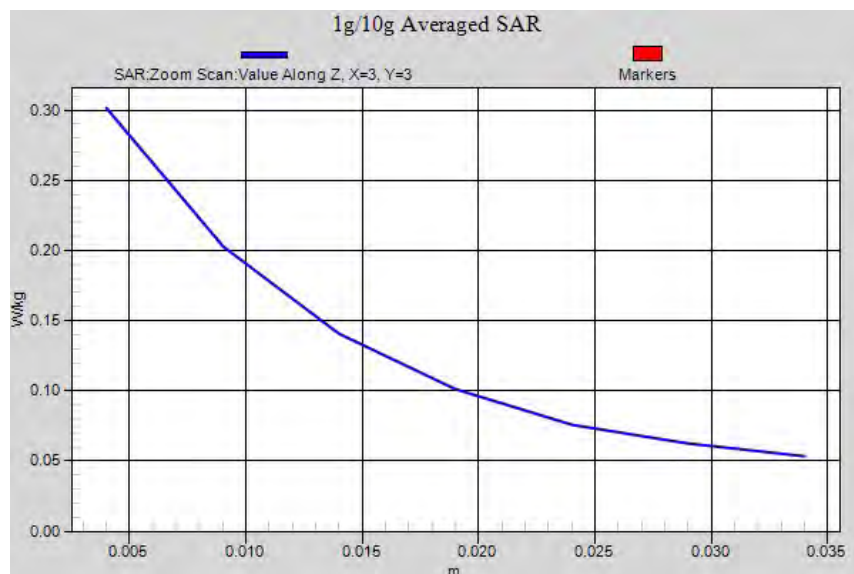
Peak SAR (extrapolated) = 0.420 mW/g

SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.167 mW/g

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



0 dB = 0.301 W/kg = -10.43 dB W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 661CH Left hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM/GPRS/EDGE 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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.0977 W/kg

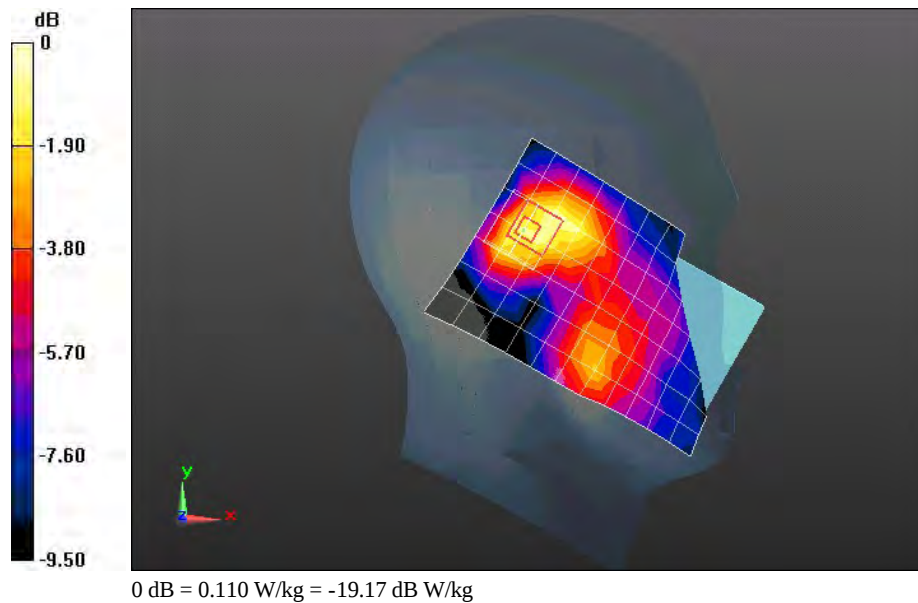
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.183 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.166 mW/g

SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.065 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 661CH Right hand touch cheek

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM/GPRS/EDGE 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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.238 W/kg

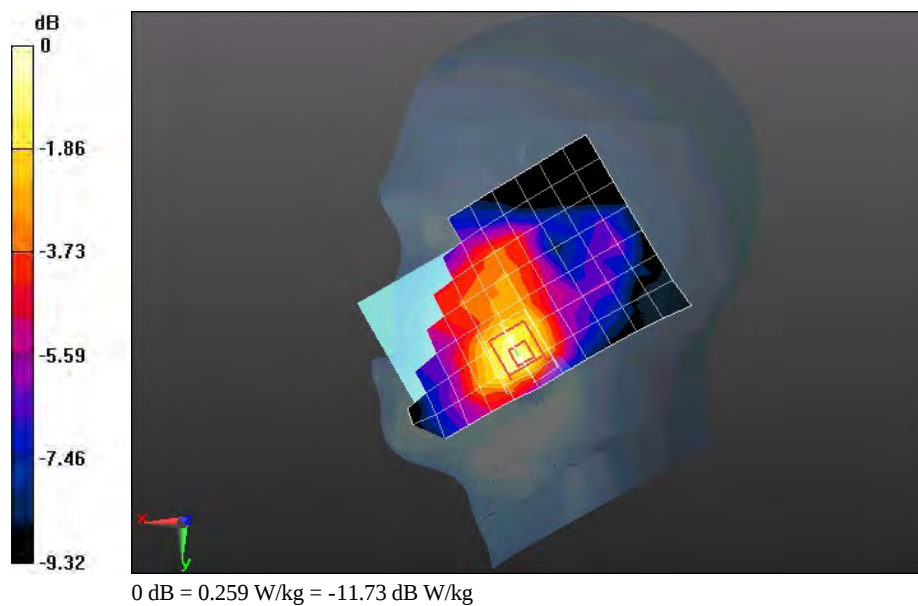
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.205 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.348 mW/g

SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.259 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 661CH Rigt hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM/GPRS/EDGE 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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.0857 W/kg

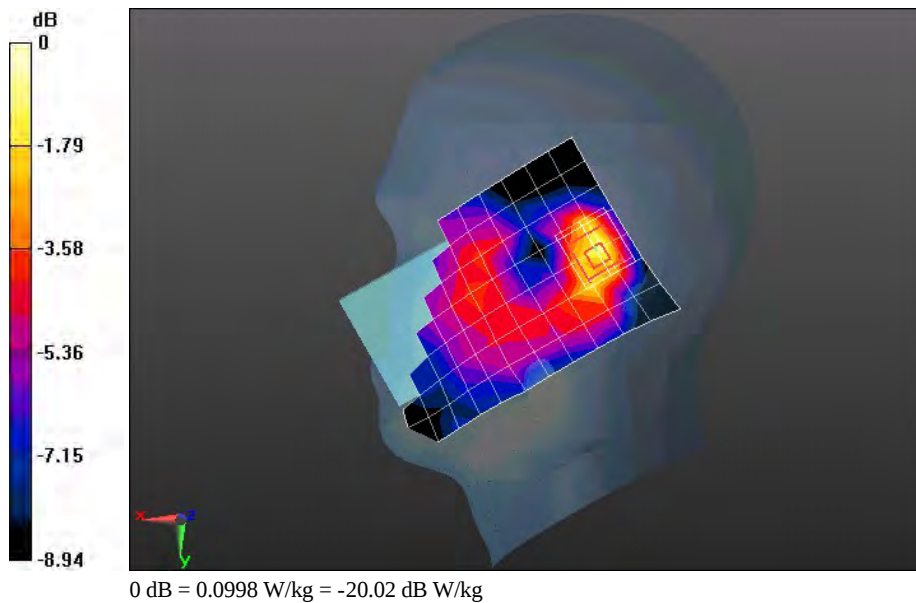
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.581 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.153 mW/g

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.055 mW/g

Maximum value of SAR (measured) = 0.0998 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 GPRS 1TS 661CH Towards Phantom 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

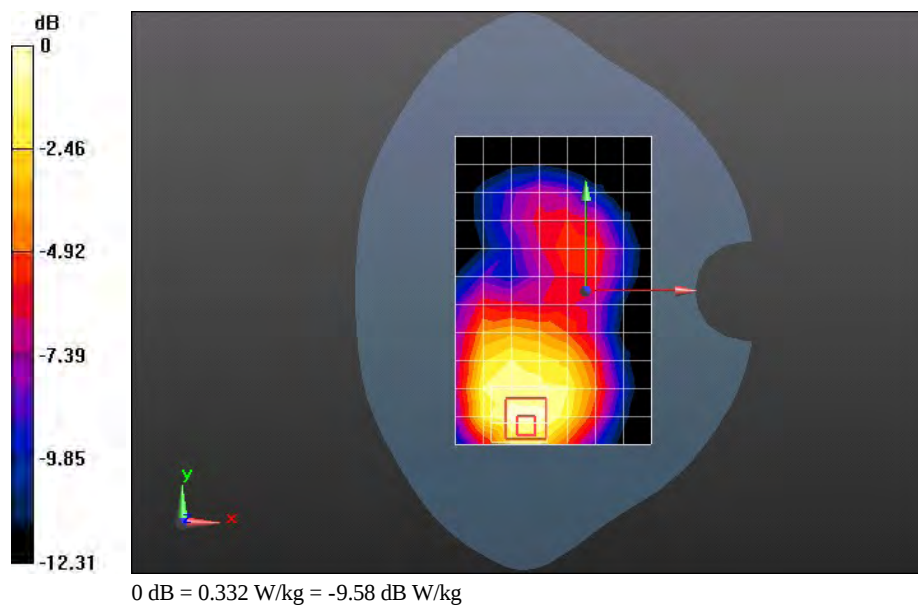
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.150 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.508 mW/g

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.175 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 GPRS 2TS 661CH Towards Phantom 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

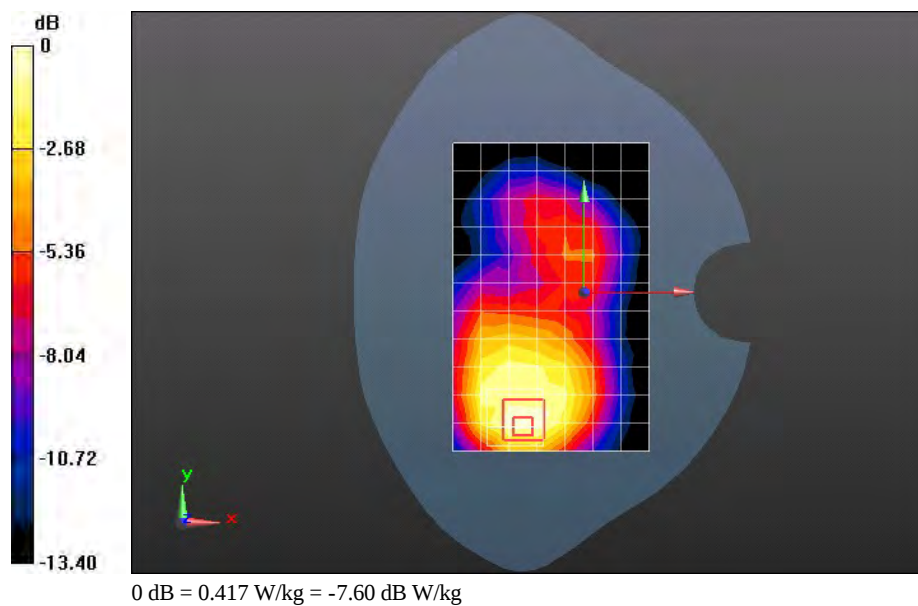
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.736 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.634 mW/g

SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 0.417 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 GPRS 2TS 661CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.464 W/kg

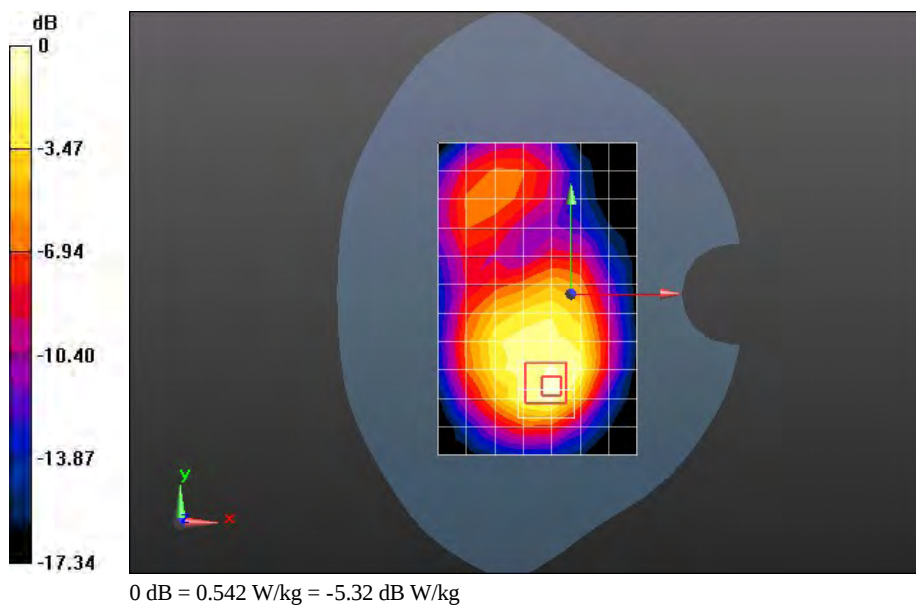
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.670 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.899 mW/g

SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.268 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 GPRS 2TS 661CH Left edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.190 W/kg

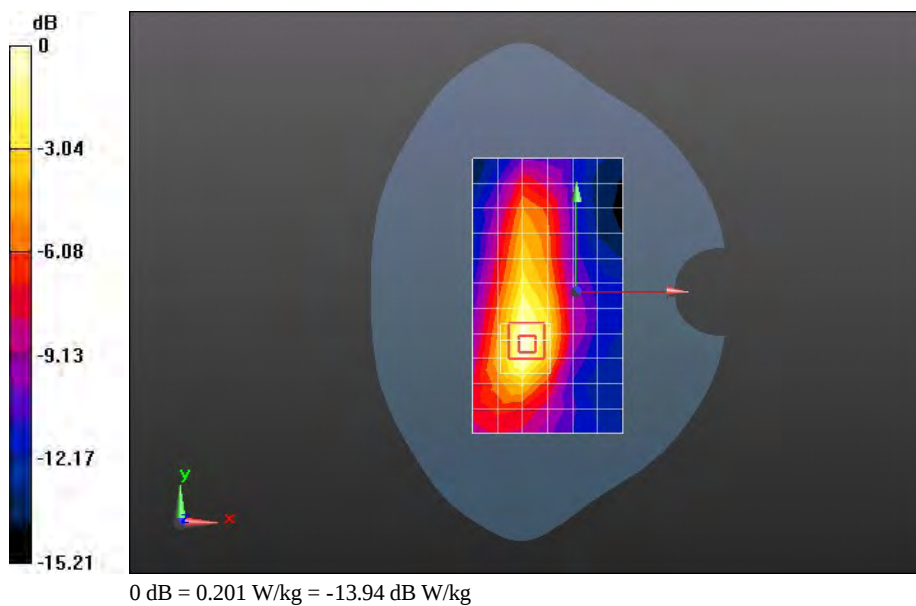
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.105 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.324 mW/g

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.097 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 GPRS 2TS 661CH Right edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0989 W/kg

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

Reference Value = 3.606 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.168 mW/g

SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.103 W/kg

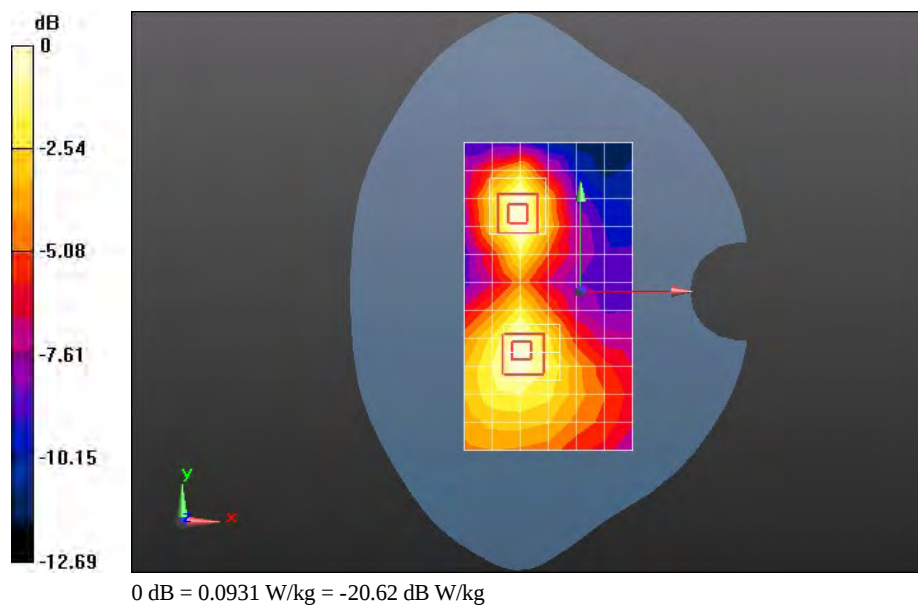
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.606 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.151 mW/g

SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.0931 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 GPRS 2TS 661CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.563 W/kg

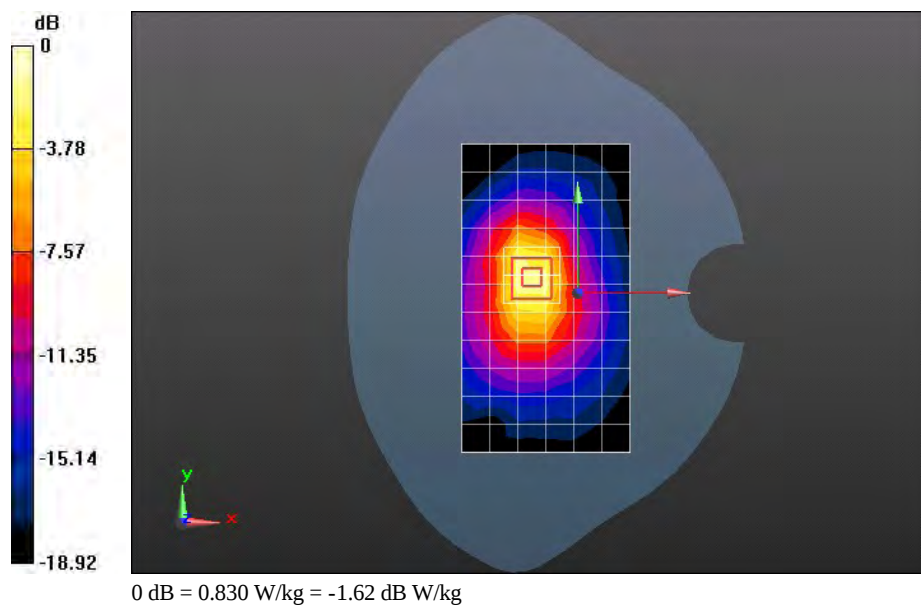
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.506 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.358 mW/g

SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.358 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 EGPRS 1TS 661CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

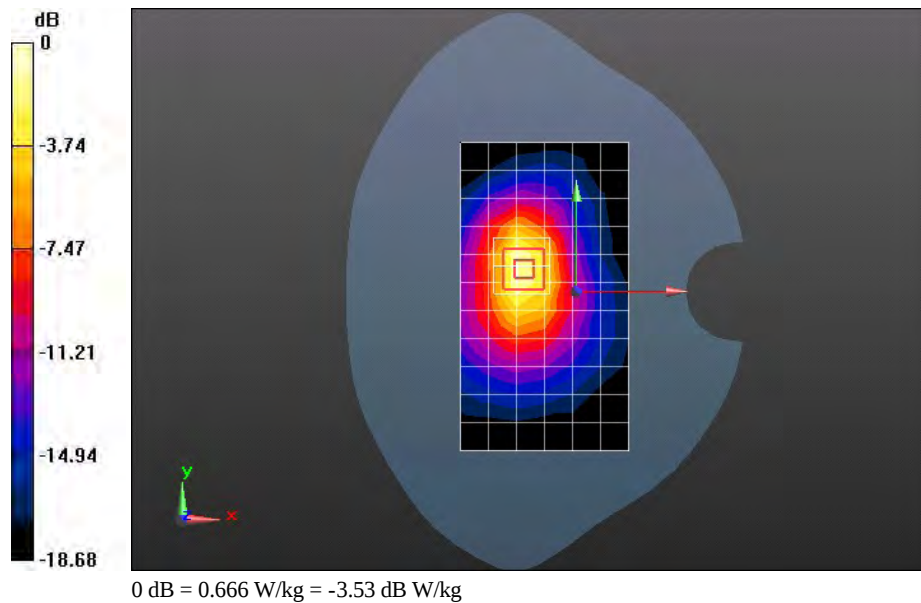
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.744 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.092 mW/g

SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.666 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 EGPRS 2TS 661CH Bottom edge 10mm**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.679 W/kg

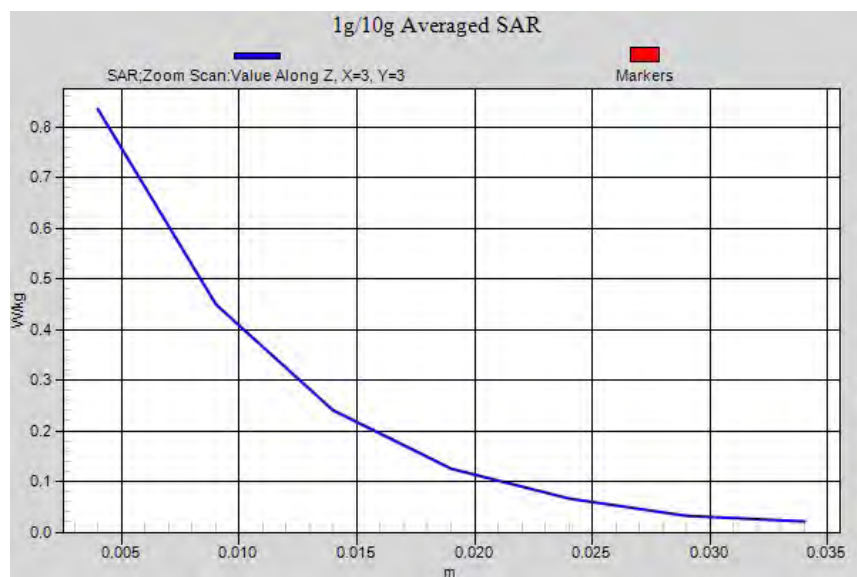
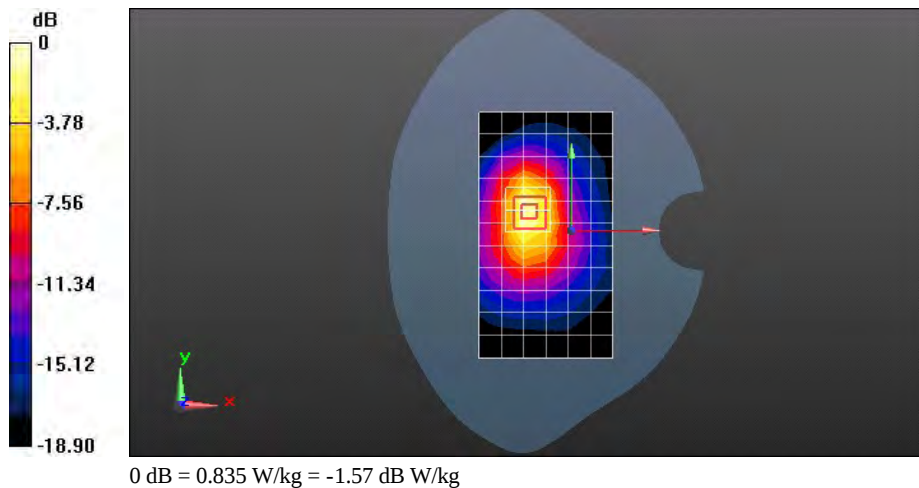
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.445 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.391 mW/g

SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.363 mW/g

Maximum value of SAR (measured) = 0.835 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 GSM1900 661CH Towards Ground 10mm with headset

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.411 W/kg

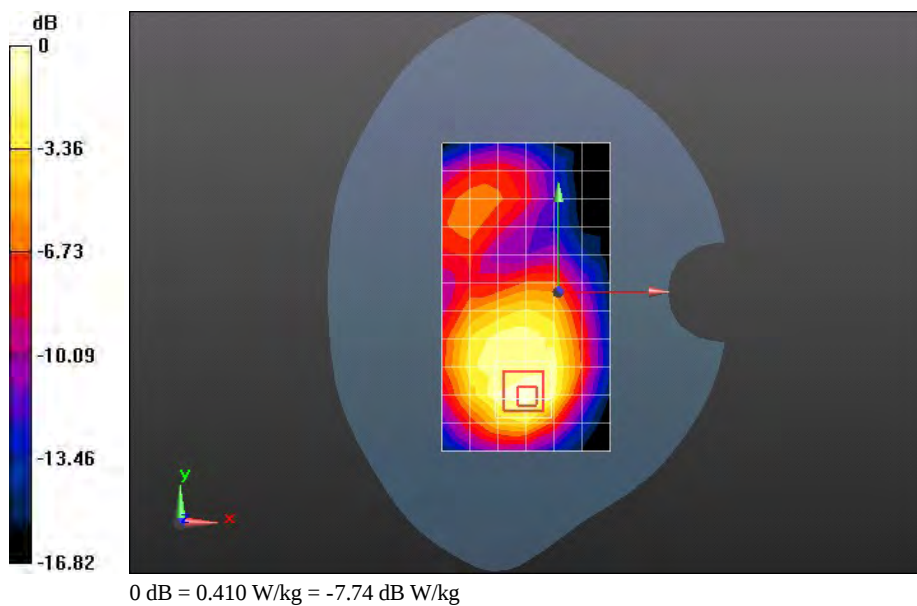
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.252 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.659 mW/g

SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.205 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Left hand touch cheek

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 41.47$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1); Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.395 W/kg

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

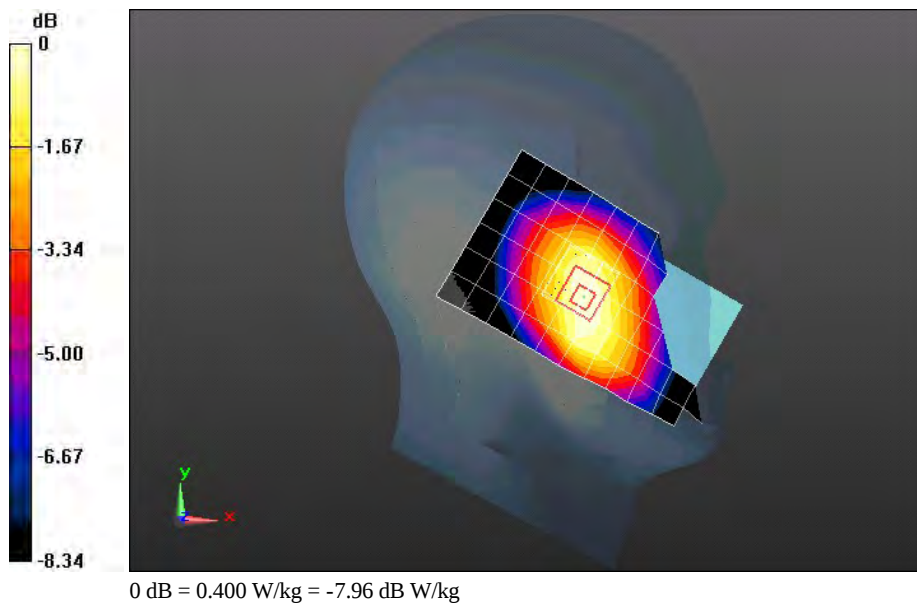
Reference Value = 11.062 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.478 mW/g

SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.289 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Left hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 41.47$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.284 W/kg

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

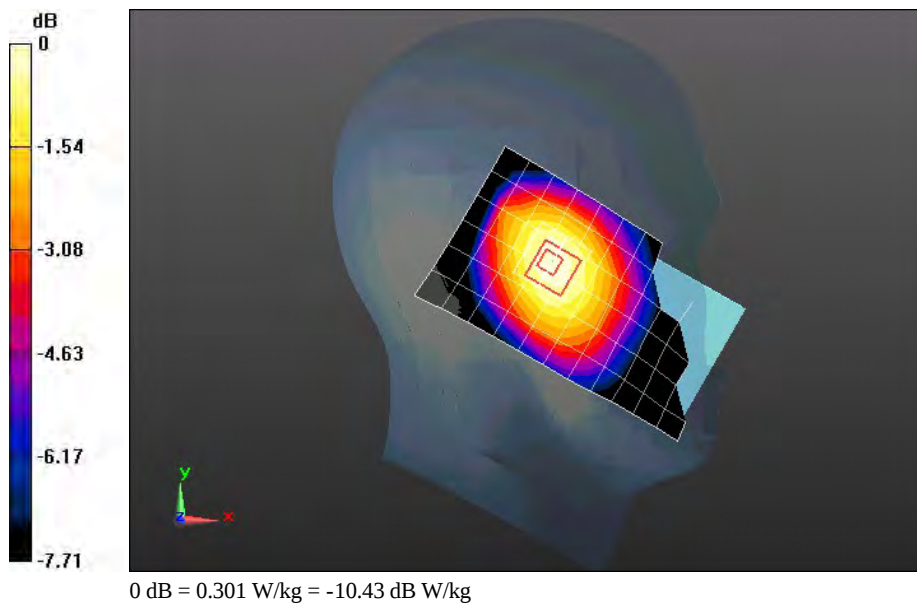
Reference Value = 15.450 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.355 mW/g

SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.220 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Right hand touch cheek**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 41.47$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1); Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.473 W/kg

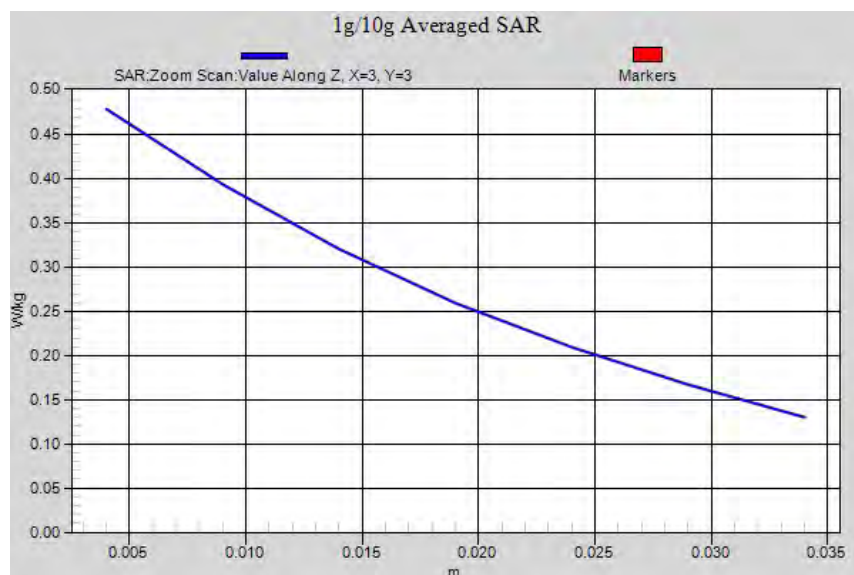
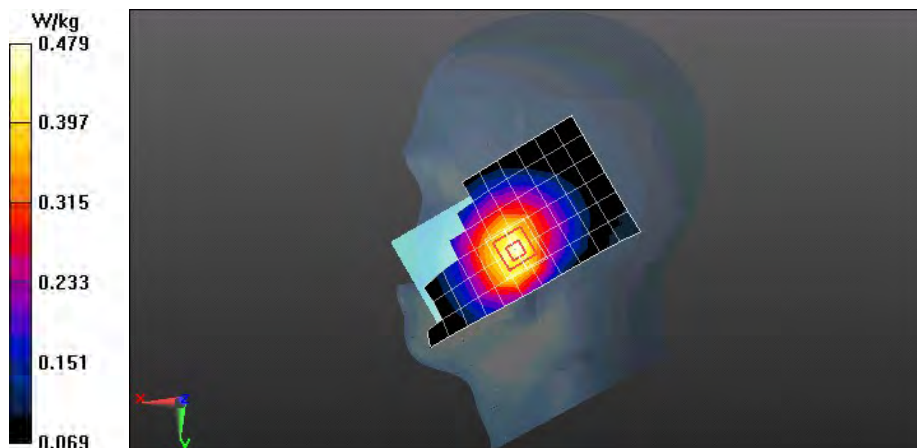
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.295 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.553 mW/g

SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.351 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.479 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Right hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 41.47$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.01, 9.01, 9.01); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1); Measurement grid: dx=15mm, dy=15mm

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

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

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

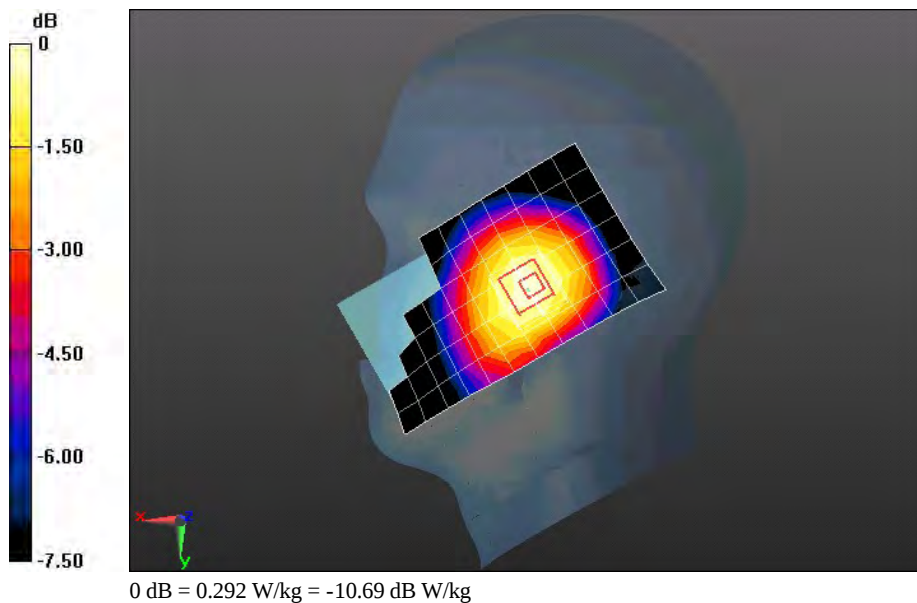
Reference Value = 14.052 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.347 mW/g

SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.217 mW/g

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

Maximum value of SAR (measured) = 0.292 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Towards Phantom 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 52.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

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

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

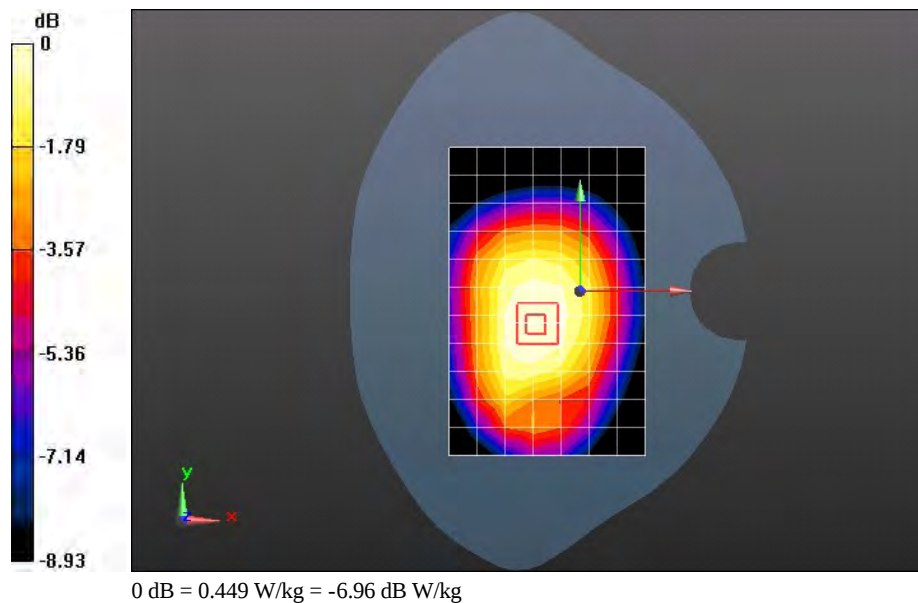
Reference Value = 20.788 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.531 mW/g

SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.334 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 52.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 0.629 W/kg

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

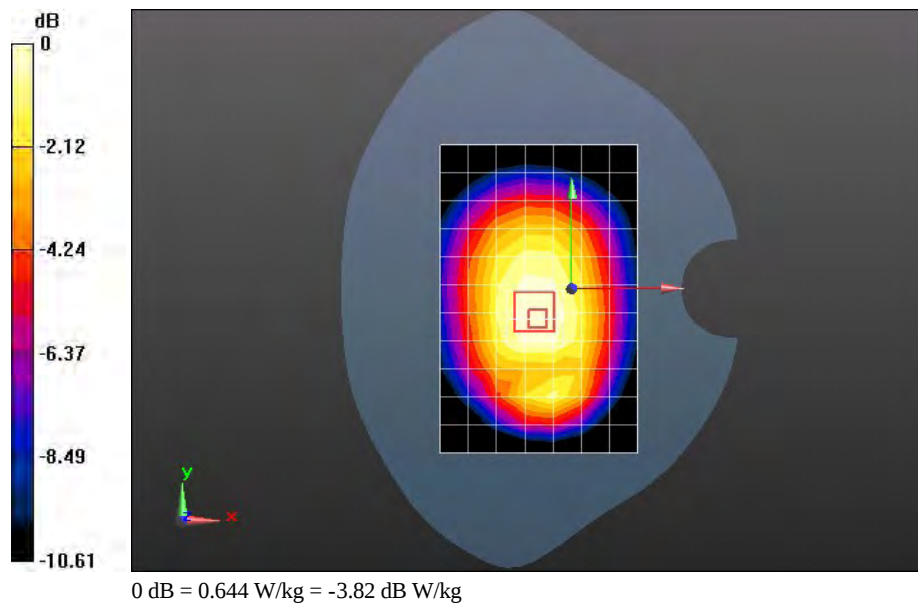
Reference Value = 24.831 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.778 mW/g

SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.460 mW/g

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

Maximum value of SAR (measured) = 0.644 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Left edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 52.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 0.549 W/kg

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

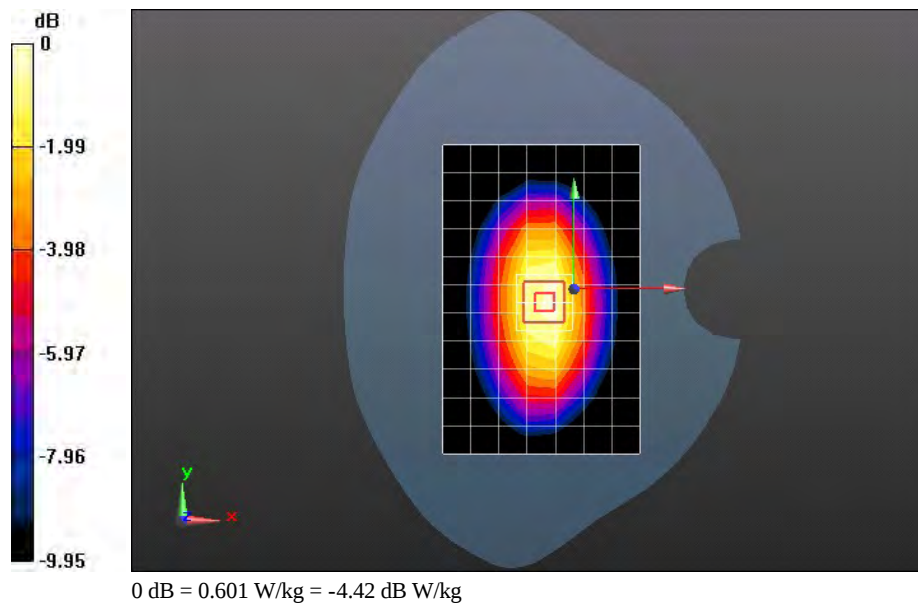
Reference Value = 24.600 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.803 mW/g

SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.377 mW/g

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

Maximum value of SAR (measured) = 0.601 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Right edge 10mm**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 52.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.732 W/kg

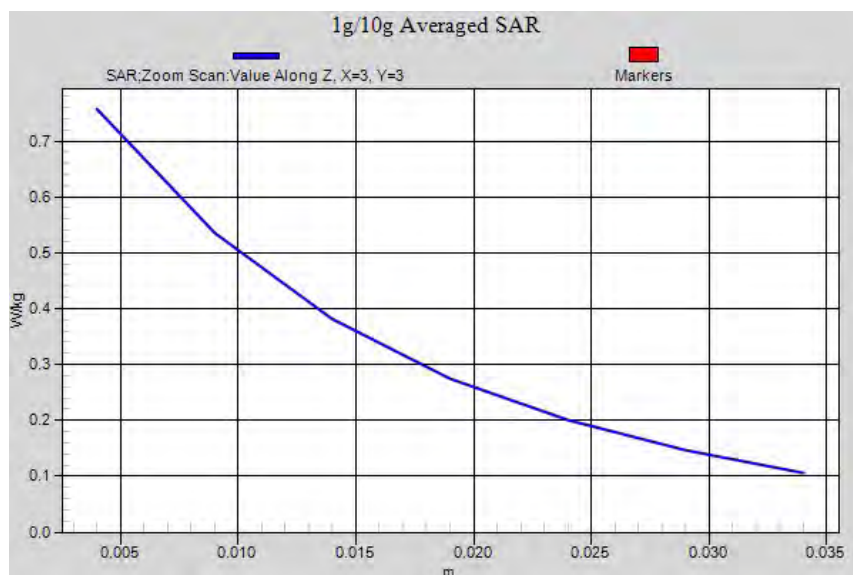
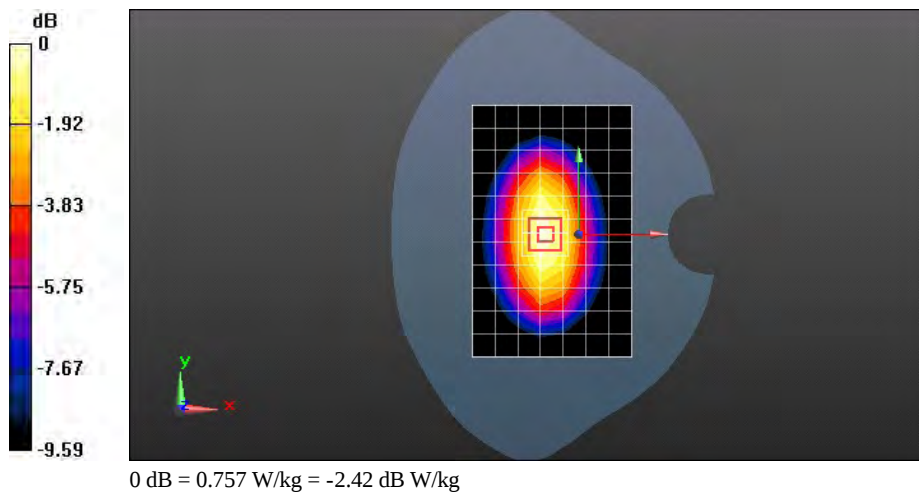
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.171 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.000 mW/g

SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.483 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 52.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 0.145 W/kg

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

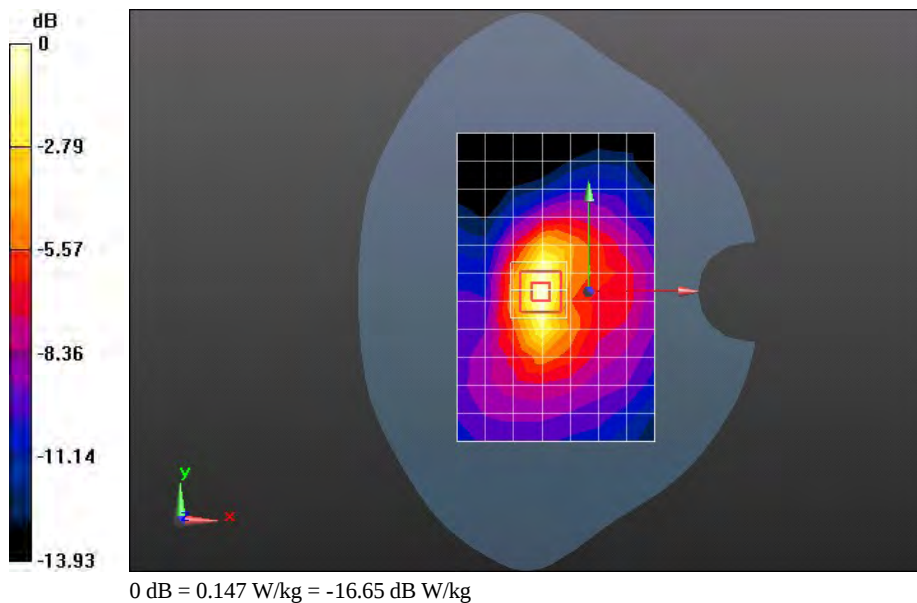
Reference Value = 9.948 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.232 mW/g

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.075 mW/g

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

Maximum value of SAR (measured) = 0.147 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Right edge 10mm with HSDPA

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 52.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

[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=5mm, dy=5mm, dz=5mm

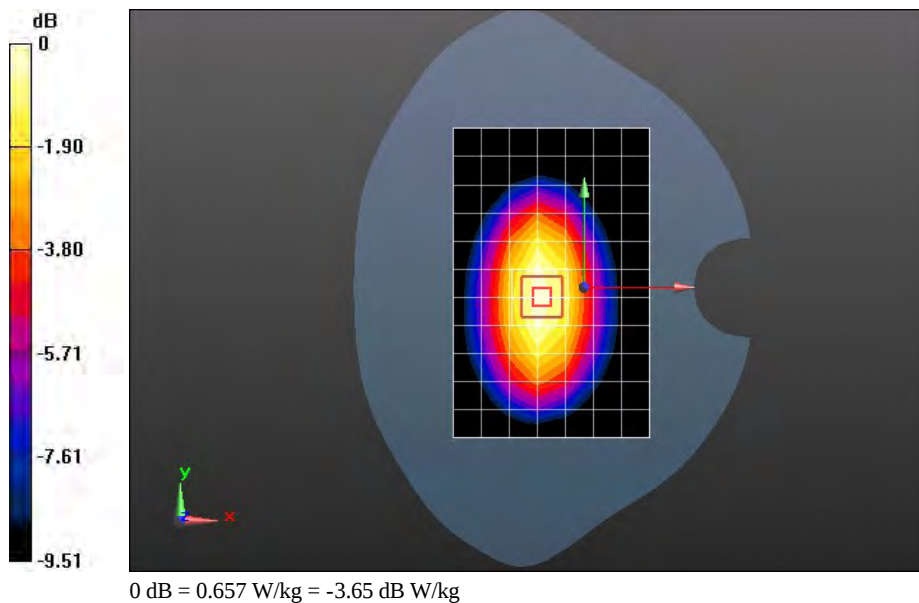
Reference Value = 24.990 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.867 mW/g

SAR(1 g) = 0.615 mW/g; SAR(10 g) = 0.422 mW/g

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

Maximum value of SAR (measured) = 0.657 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Right edge 10mm with HSUPA

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 52.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 0.557 W/kg

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

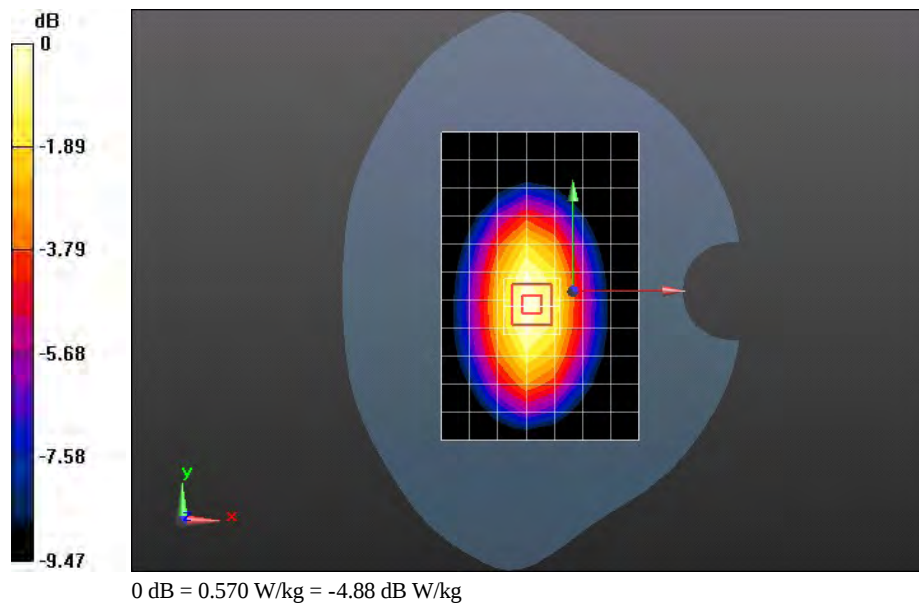
Reference Value = 23.278 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.754 mW/g

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.364 mW/g

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

Maximum value of SAR (measured) = 0.570 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band V 4182CH Towards Ground 10mm with headset

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 52.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 0.645 W/kg

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

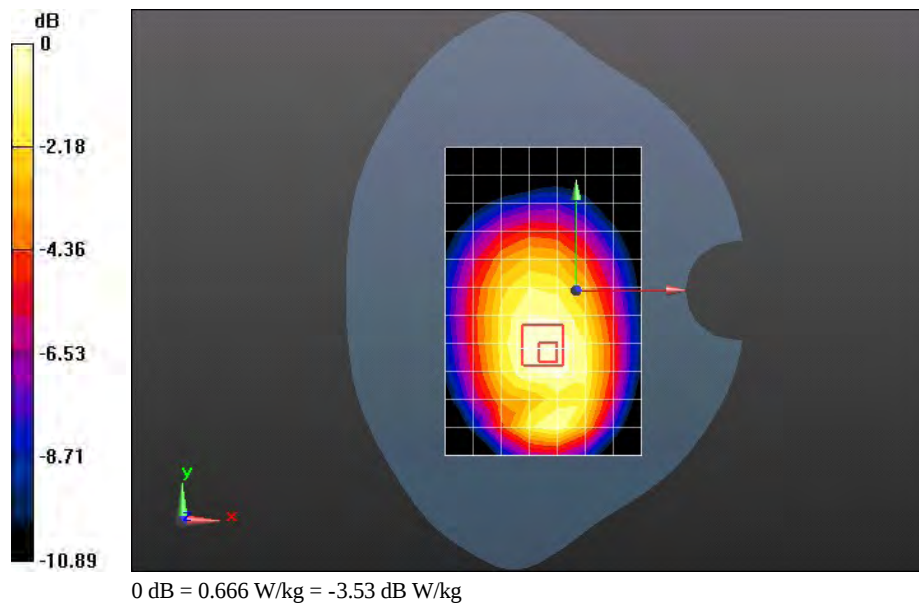
Reference Value = 22.403 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.834 mW/g

SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.464 mW/g

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

Maximum value of SAR (measured) = 0.666 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Left hand touch cheek**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.376$ mho/m; $\epsilon_r = 40.871$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.511 W/kg

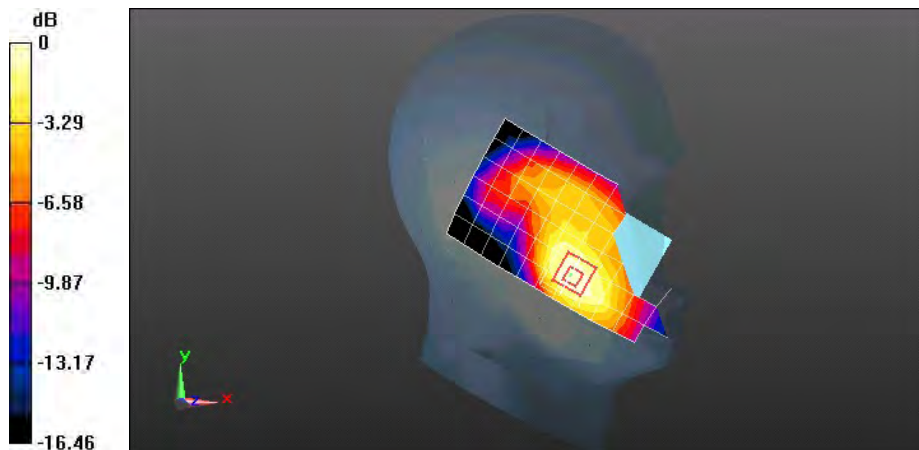
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.984 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.816 mW/g

SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.309 mW/g

Maximum value of SAR (measured) = 0.555 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Left hand title 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.376$ mho/m; $\epsilon_r = 40.871$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.265 W/kg

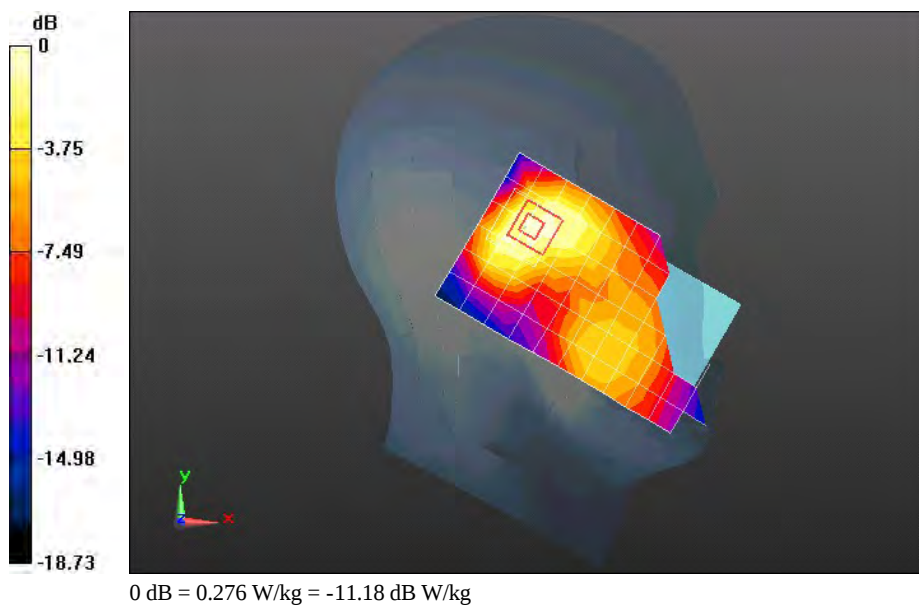
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.720 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.406 mW/g

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.154 mW/g

Maximum value of SAR (measured) = 0.276 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Right hand touch cheek

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.376$ mho/m; $\epsilon_r = 40.871$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.416 W/kg

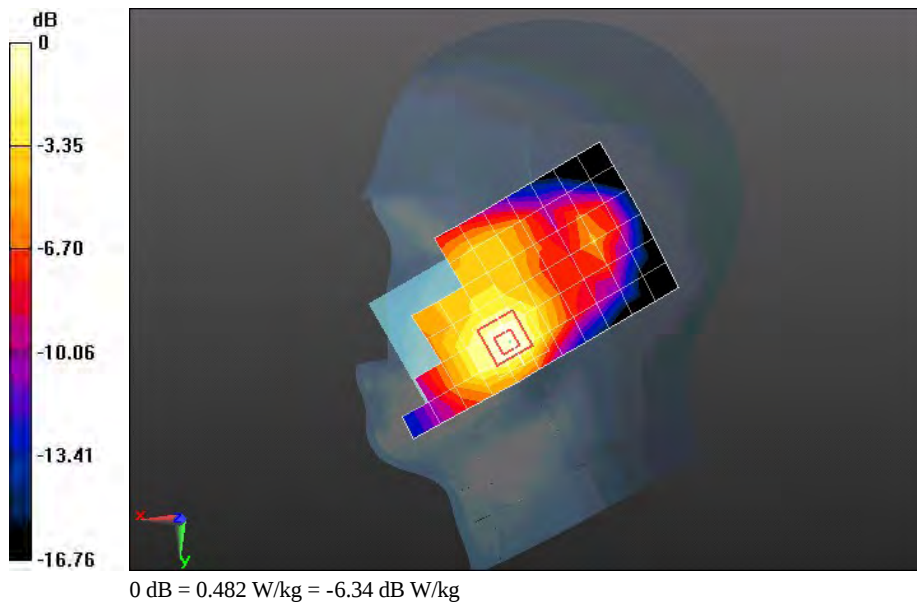
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.114 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.691 mW/g

SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.274 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Right hand title 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.376$ mho/m; $\epsilon_r = 40.871$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.94, 7.94, 7.94); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.248 W/kg

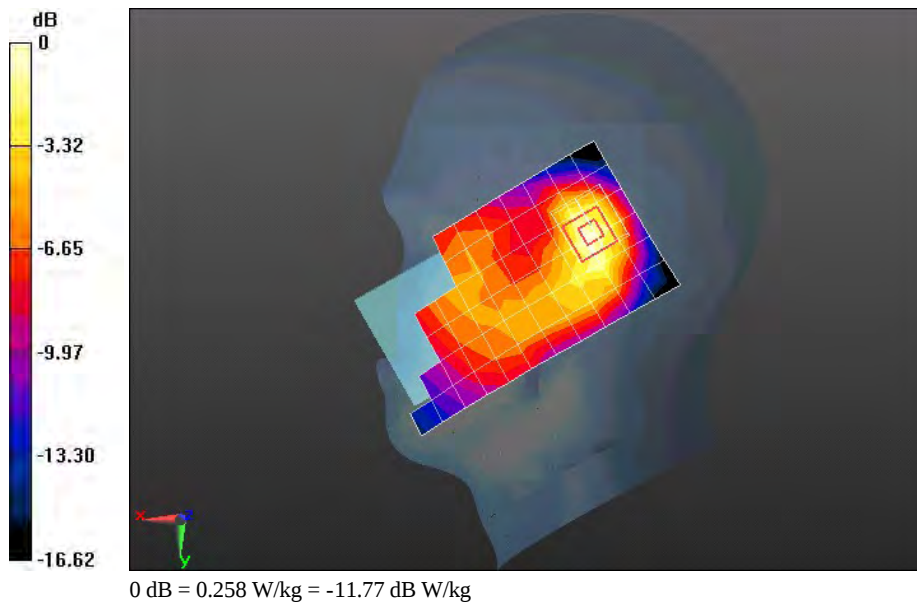
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.204 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.407 mW/g

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.132 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Towards Phantom 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 52.681$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.746 W/kg

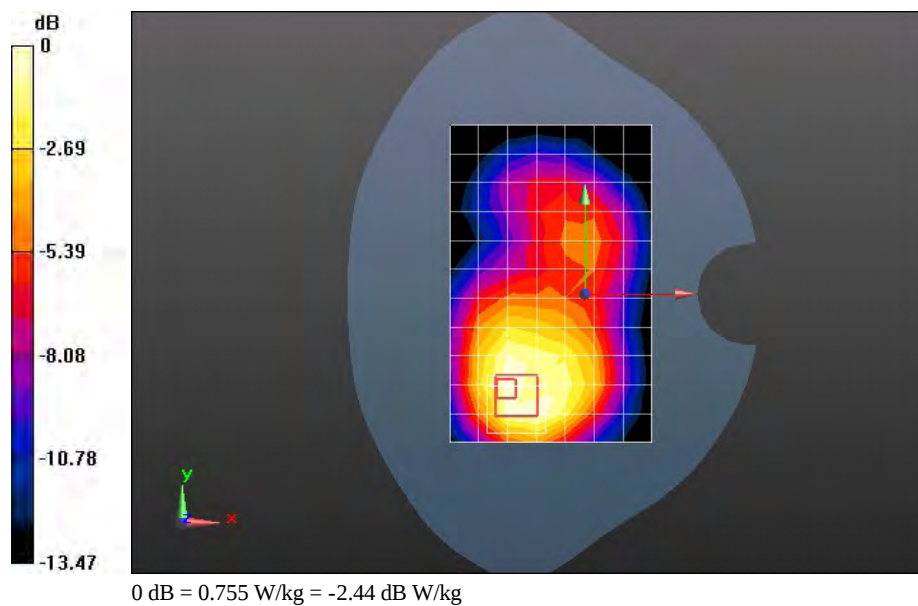
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.112 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.167 mW/g

SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.422 mW/g

Maximum value of SAR (measured) = 0.755 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1513CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 52.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

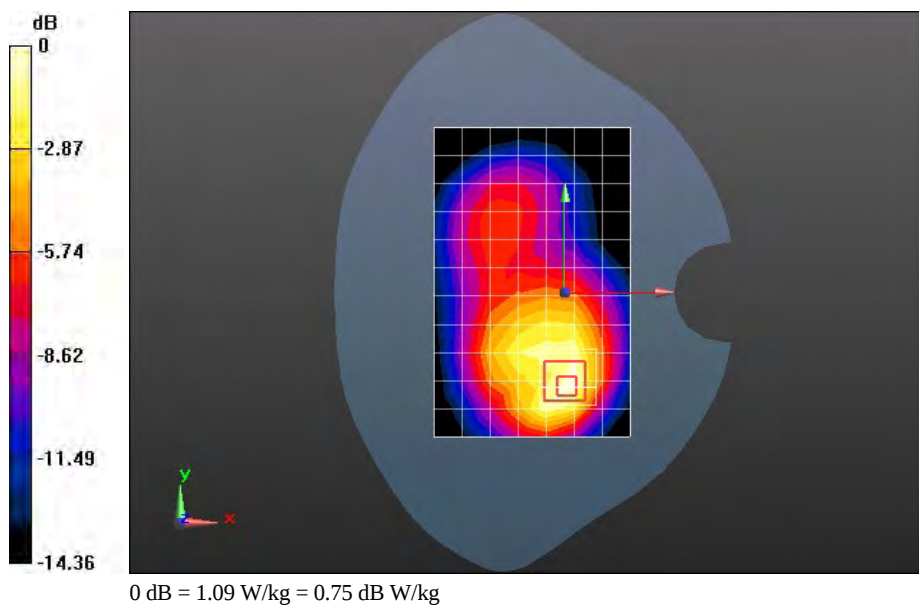
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.648 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.228 mW/g

SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.561 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 52.681$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

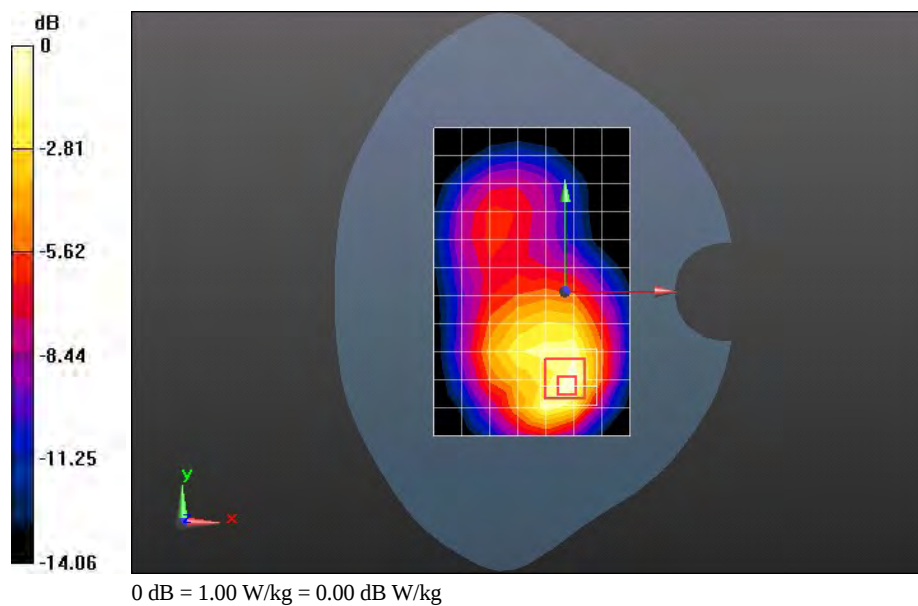
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.947 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.577 mW/g

SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.517 mW/g

Maximum value of SAR (measured) = 1.00 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1312CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.465$ mho/m; $\epsilon_r = 52.748$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 0.998 W/kg

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

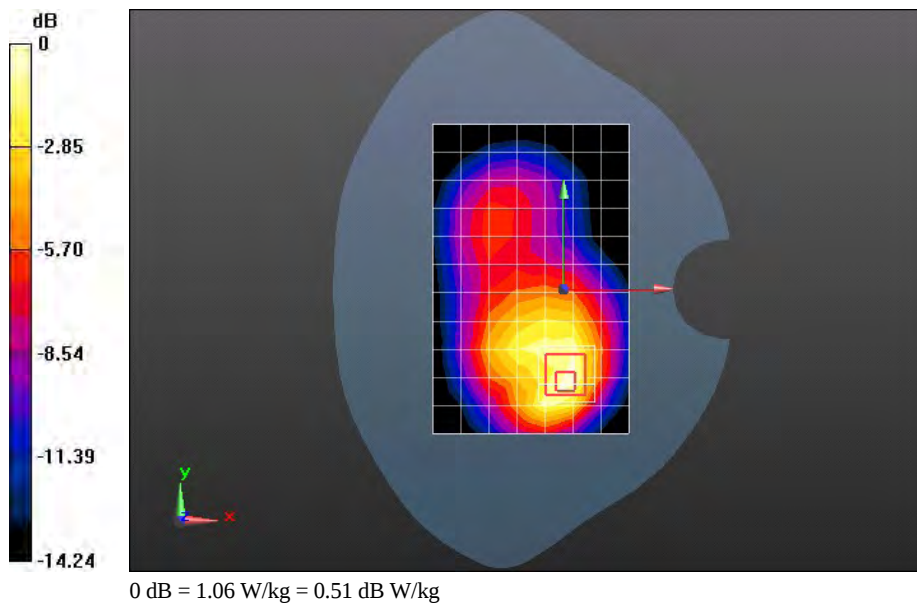
Reference Value = 14.495 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.645 mW/g

SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.549 mW/g

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

Maximum value of SAR (measured) = 1.06 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Left edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 52.681$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.323 W/kg

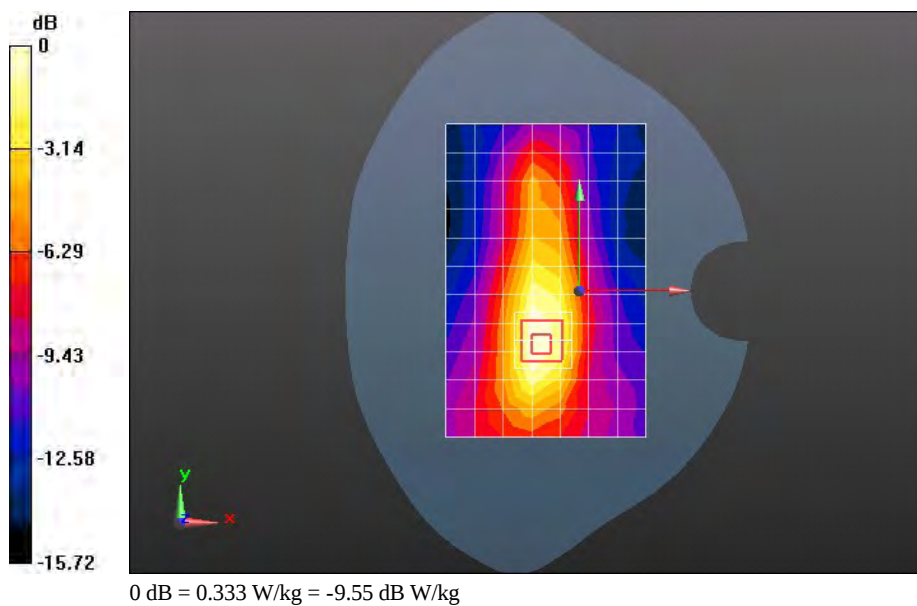
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.141 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.498 mW/g

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.176 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Right edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 52.681$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.178 W/kg

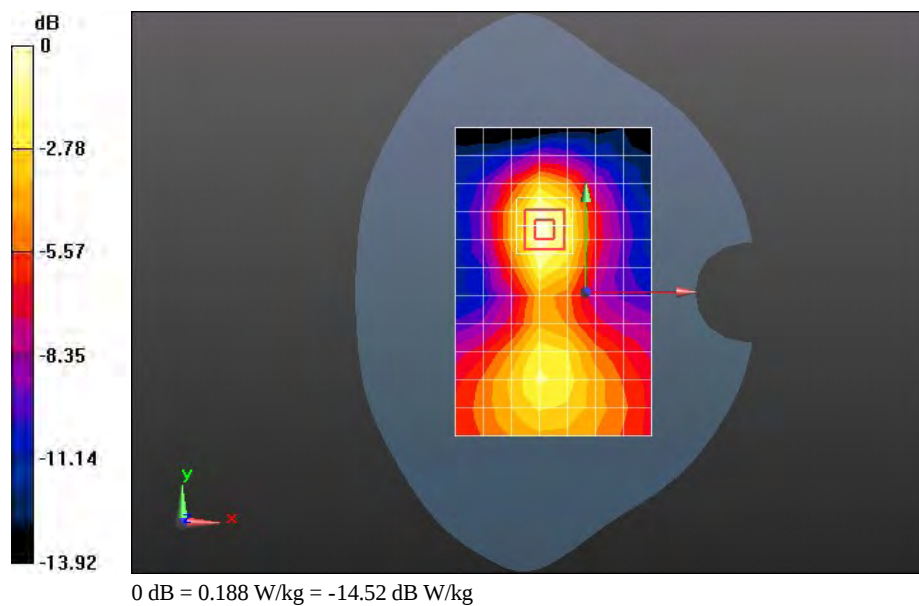
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.162 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.273 mW/g

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.103 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1513CH Bottom edge 10mm**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 52.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

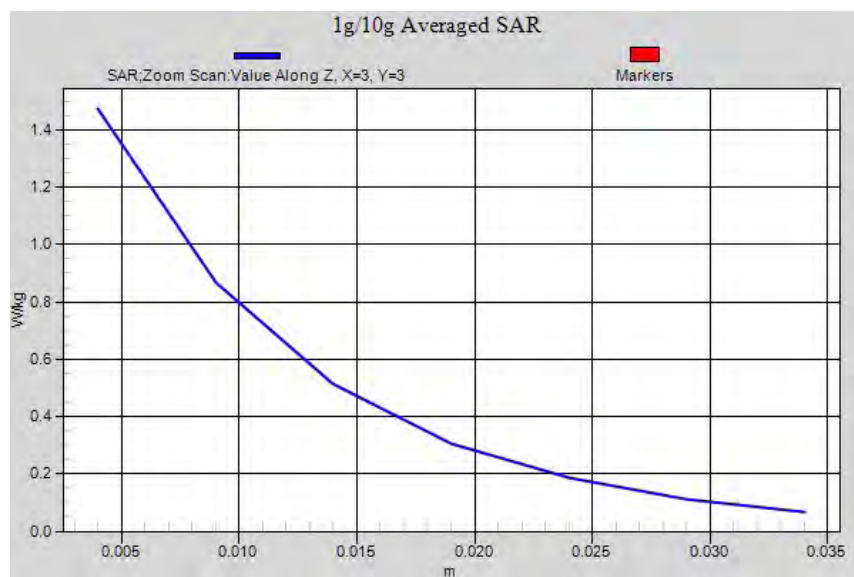
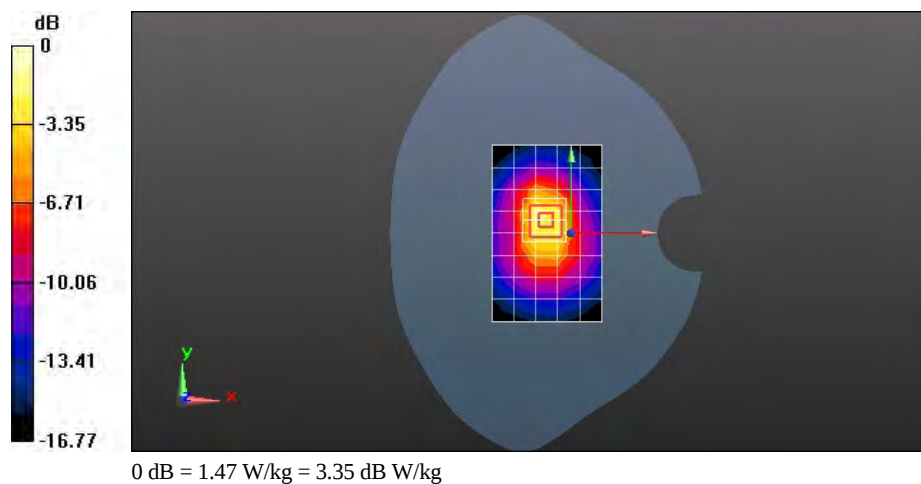
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.926 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.256 mW/g

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.664 mW/g

Maximum value of SAR (measured) = 1.47 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1413CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 52.681$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

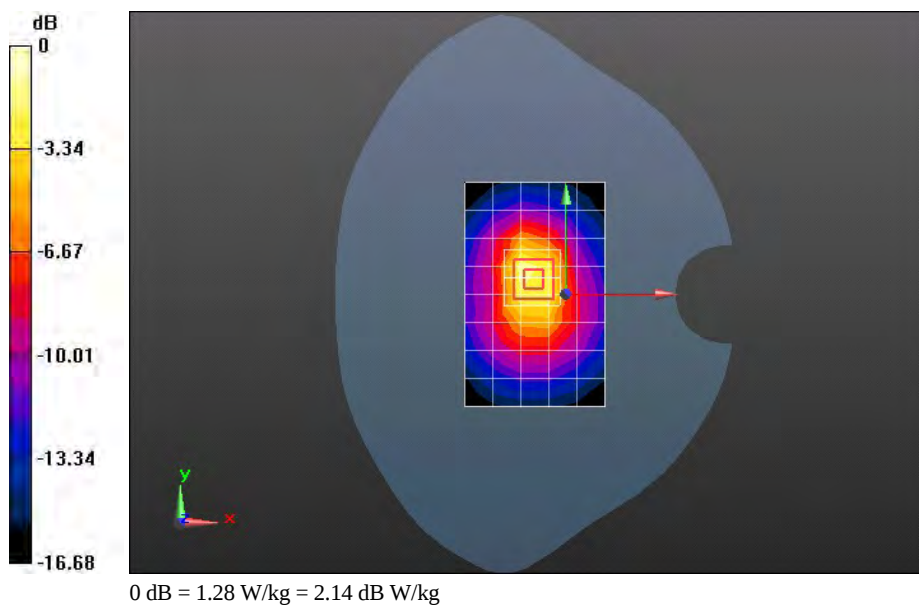
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.225 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.960 mW/g

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.577 mW/g

Maximum value of SAR (measured) = 1.28 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1312CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.465$ mho/m; $\epsilon_r = 52.748$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 0.920 W/kg

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

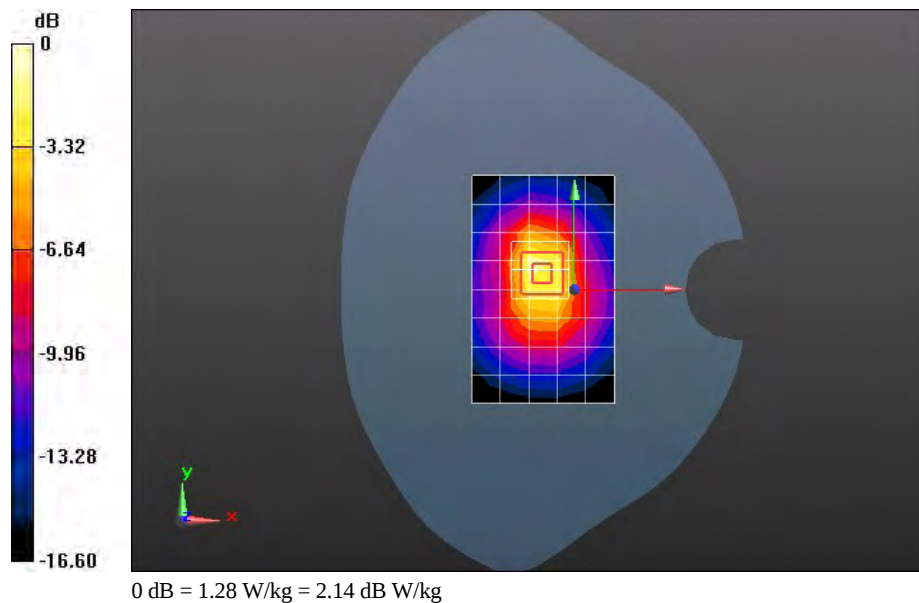
Reference Value = 27.003 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.957 mW/g

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.584 mW/g

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

Maximum value of SAR (measured) = 1.28 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1513CH Bottom edge 10mm with HSDPA

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 52.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 1.31 W/kg

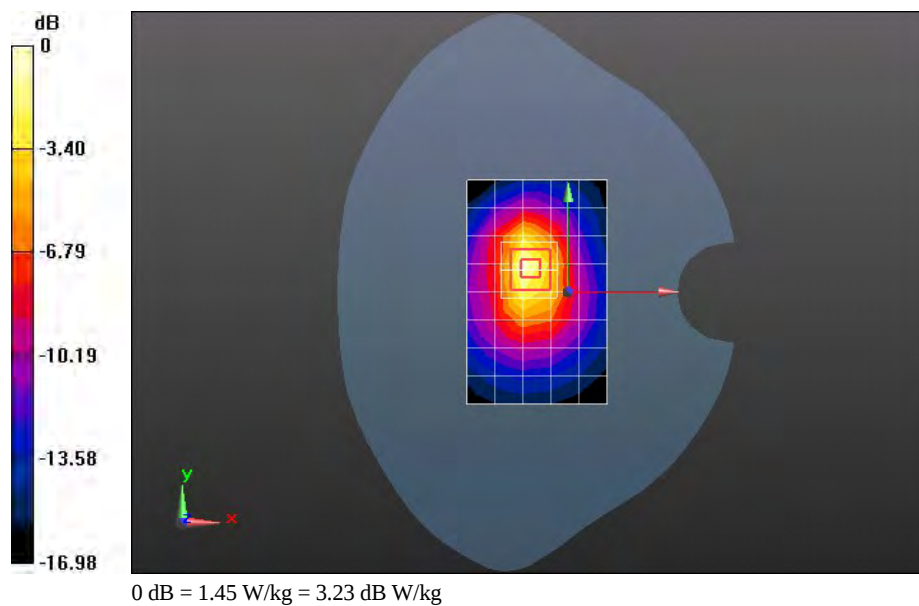
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.305 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.241 mW/g

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.651 mW/g

Maximum value of SAR (measured) = 1.45 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1513CH Bottom edge 10mm with HSUPA

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 52.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.983 W/kg

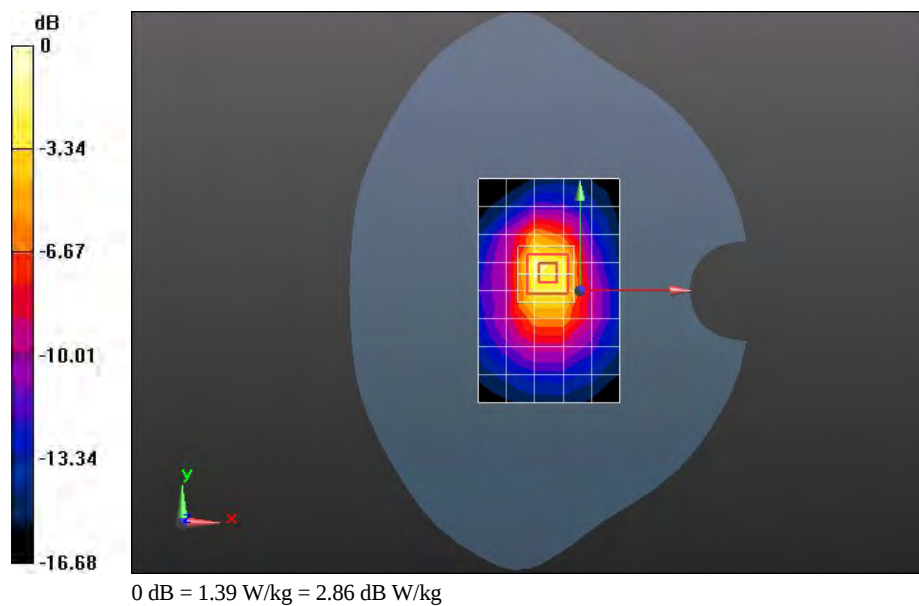
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.000 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.165 mW/g

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.610 mW/g

Maximum value of SAR (measured) = 1.39 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band IV 1513CH Towards Ground 10mm with headset

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 52.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.43, 7.43, 7.43); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 1.03 W/kg

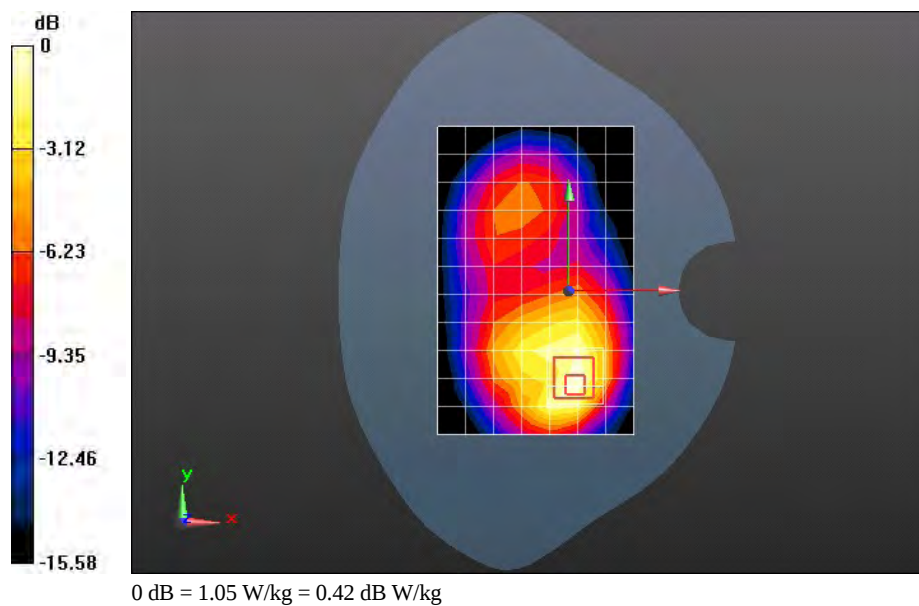
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.552 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.662 mW/g

SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.530 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Left hand touch cheek

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.403 W/kg

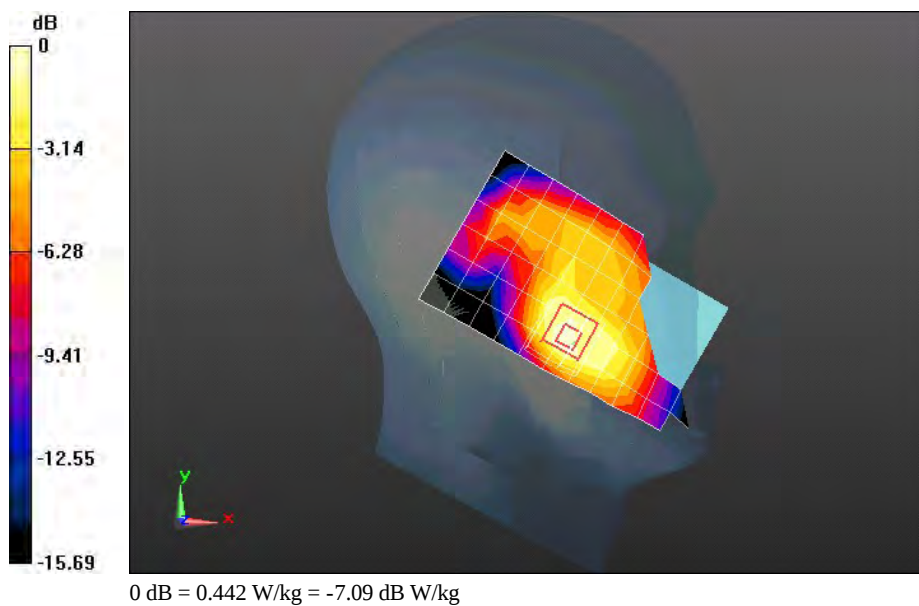
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.063 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.684 mW/g

SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.442 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Left hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.203 W/kg

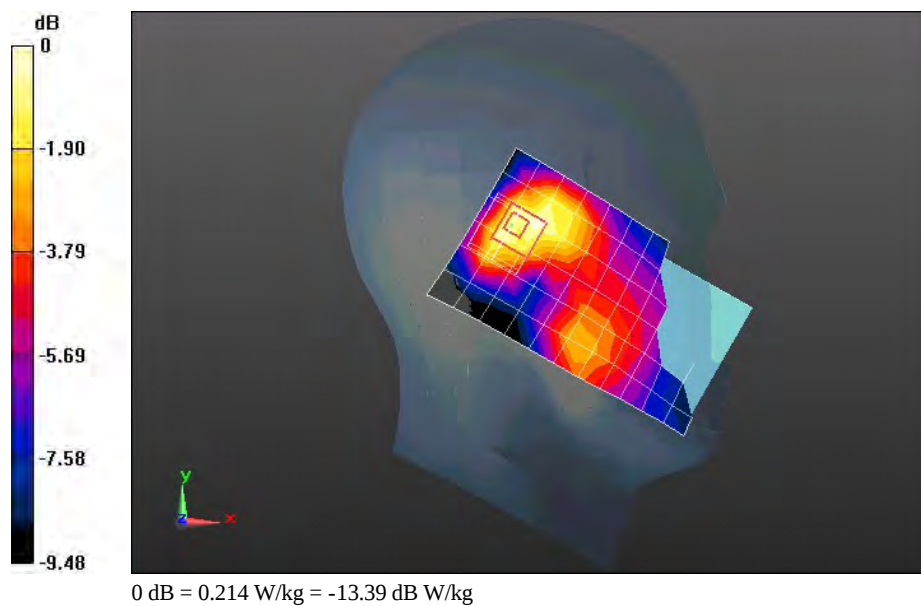
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.891 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.324 mW/g

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.125 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Right hand touch cheek**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.478 W/kg

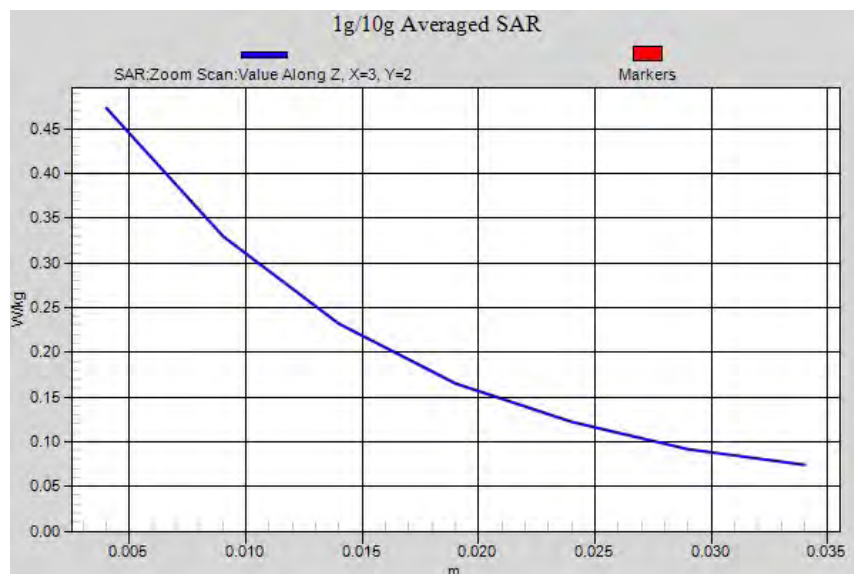
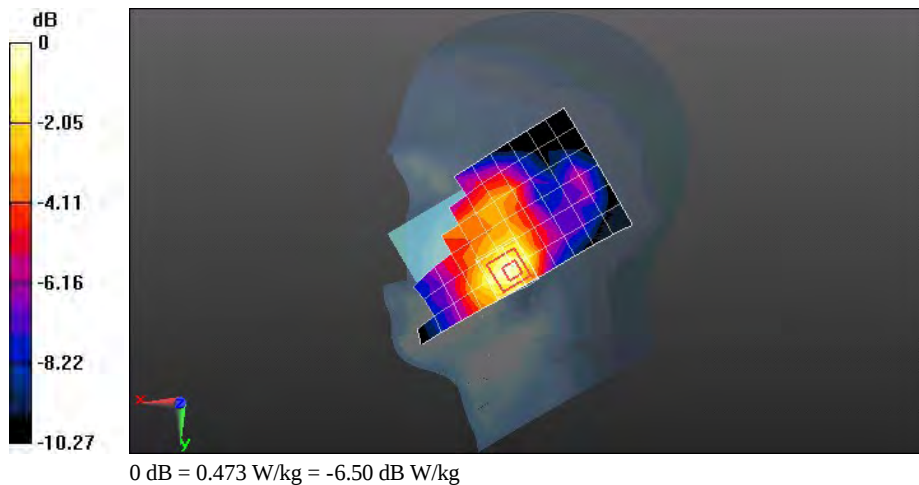
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.493 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.676 mW/g

SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.282 mW/g

Maximum value of SAR (measured) = 0.473 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Right hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.67, 7.67, 7.67); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.155 W/kg

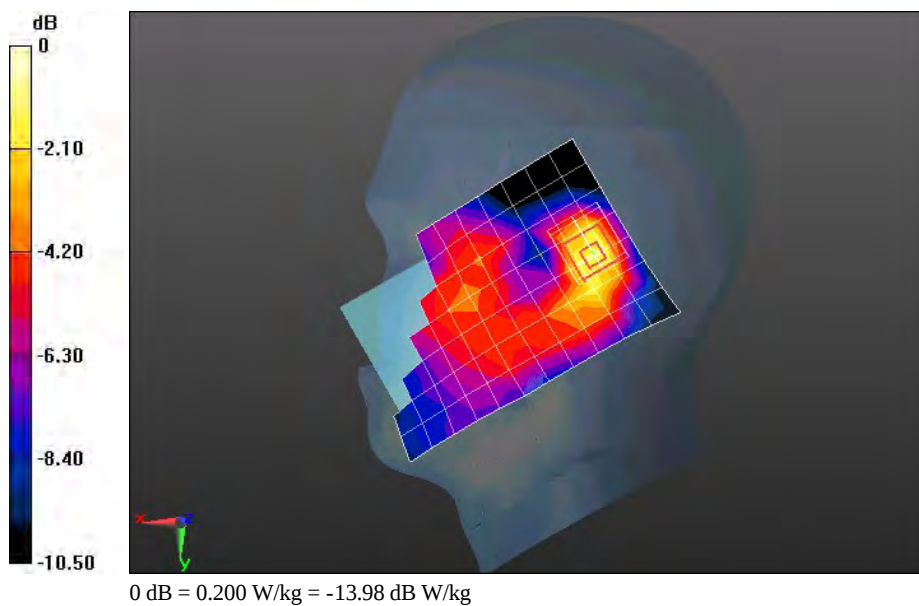
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.729 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.314 mW/g

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.200 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Towards Phantom 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.564 W/kg

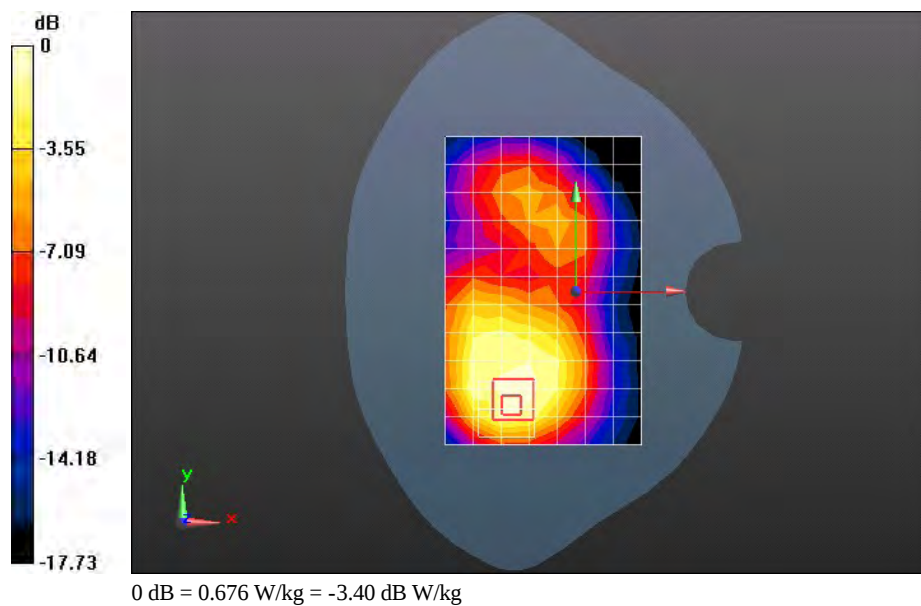
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.745 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.063 mW/g

SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.347 mW/g

Maximum value of SAR (measured) = 0.676 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.760 W/kg

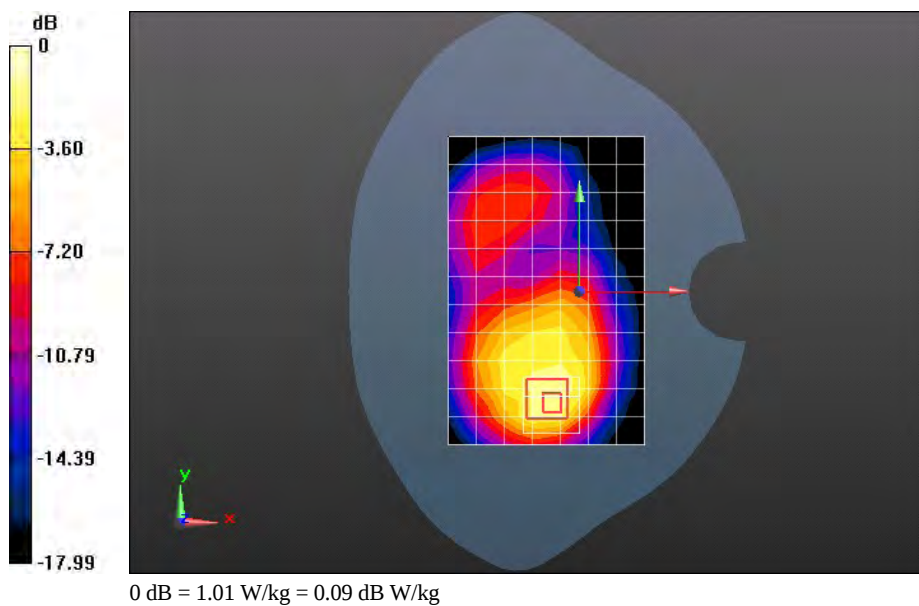
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.199 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.891 mW/g

SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.425 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Left edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

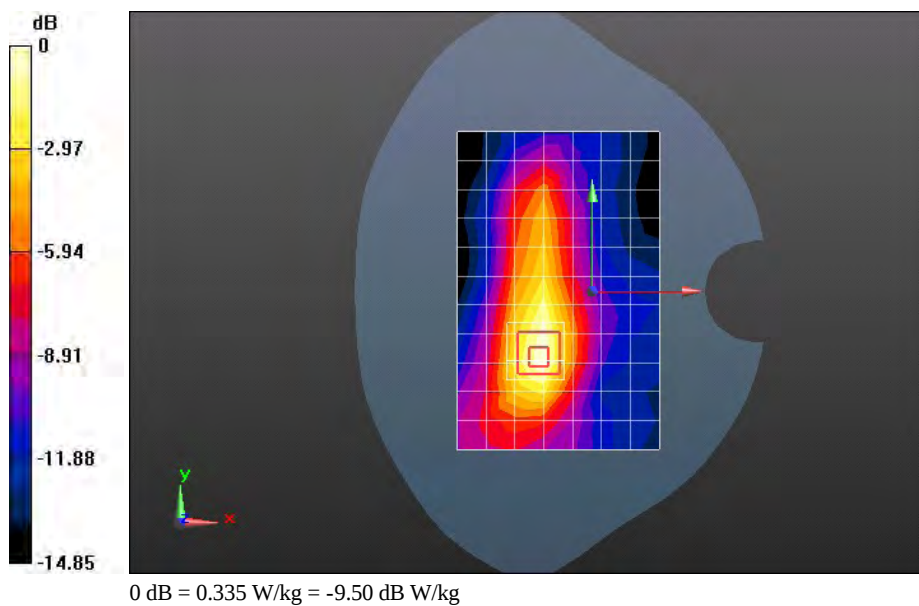
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.515 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.537 mW/g

SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.165 mW/g

Maximum value of SAR (measured) = 0.335 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Right edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.150 W/kg

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

Reference Value = 4.659 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.256 mW/g

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.079 mW/g

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

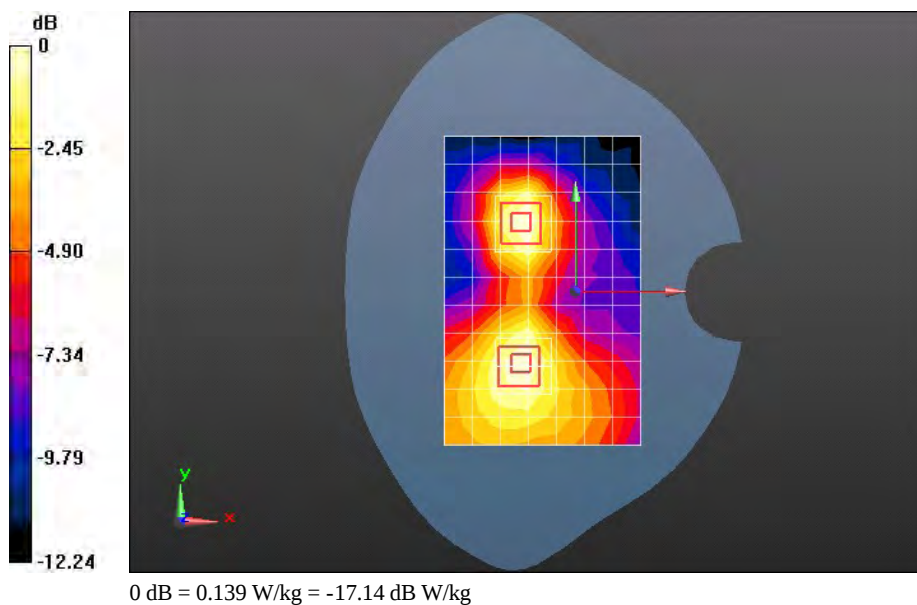
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.659 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.239 mW/g

SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.139 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9262CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.41$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 1.39 W/kg

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

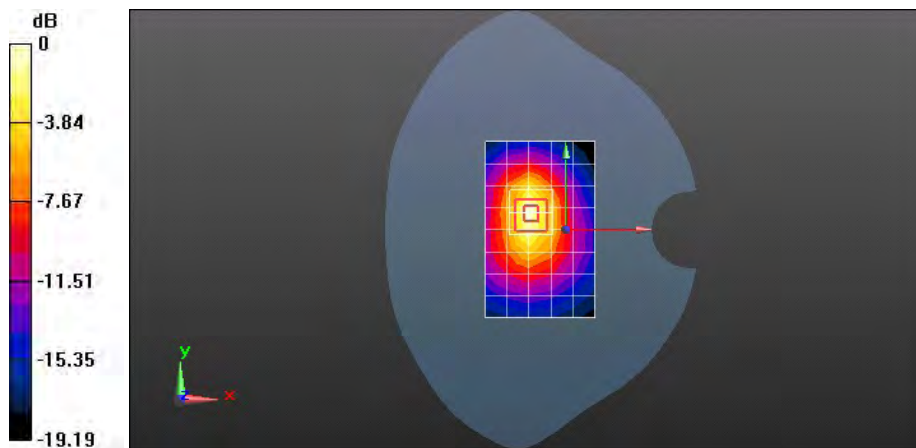
Reference Value = 24.877 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.272 mW/g

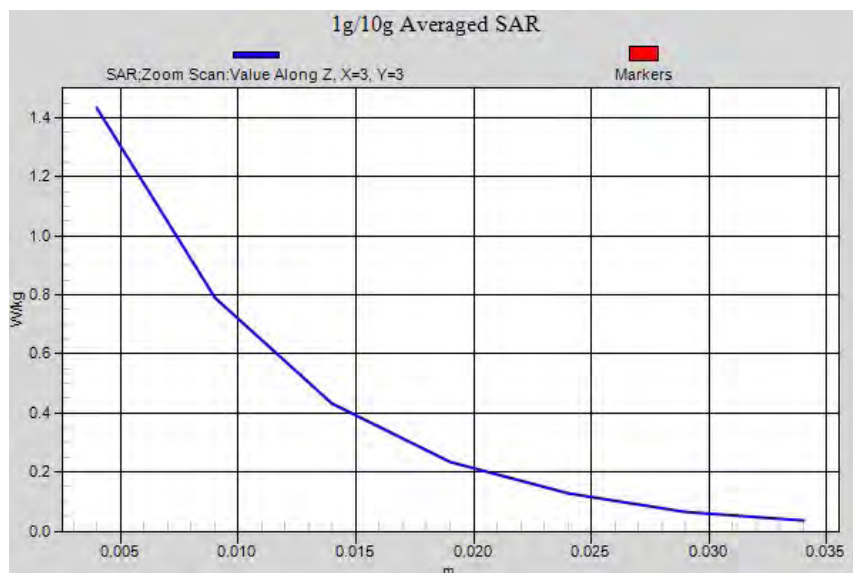
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.629 mW/g

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

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 3.11 dB W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9400CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.514$ mho/m; $\epsilon_r = 53.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 1.02 W/kg

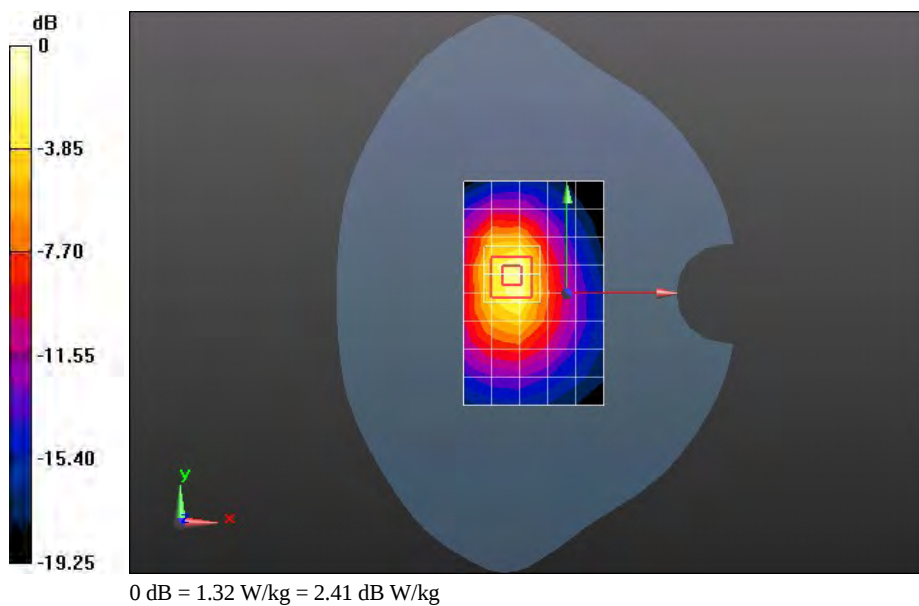
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.548 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.118 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.574 mW/g

Maximum value of SAR (measured) = 1.32 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9538CH Bottom edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.536$ mho/m; $\epsilon_r = 53.197$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 1.18 W/kg

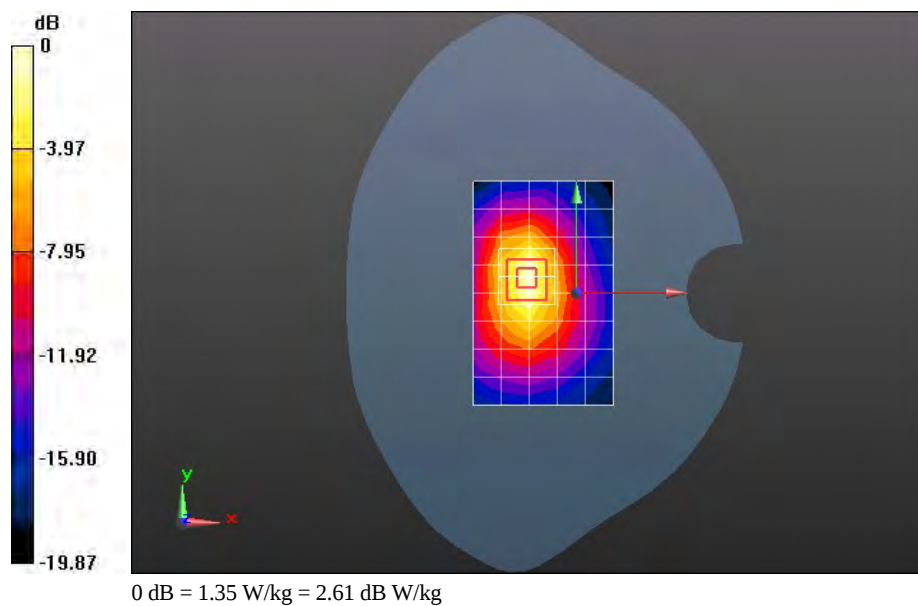
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.280 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.184 mW/g

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.583 mW/g

Maximum value of SAR (measured) = 1.35 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9262CH Bottom edge 10mm with HSDPA

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.41$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 1.35 W/kg

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

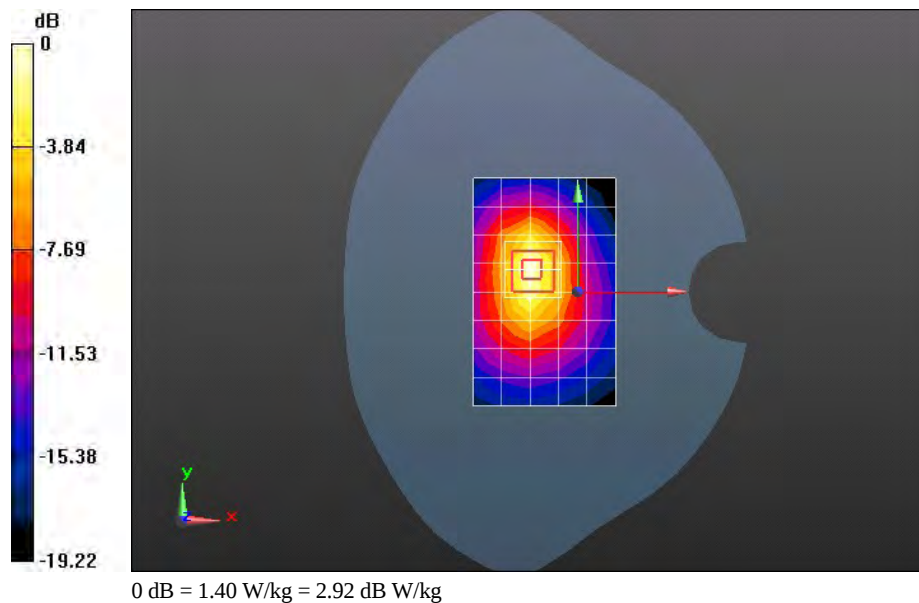
Reference Value = 23.888 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.214 mW/g

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.613 mW/g

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

Maximum value of SAR (measured) = 1.40 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9262CH Bottom edge 10mm with HSUPA

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.41$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

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

Maximum value of SAR (measured) = 0.977 W/kg

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

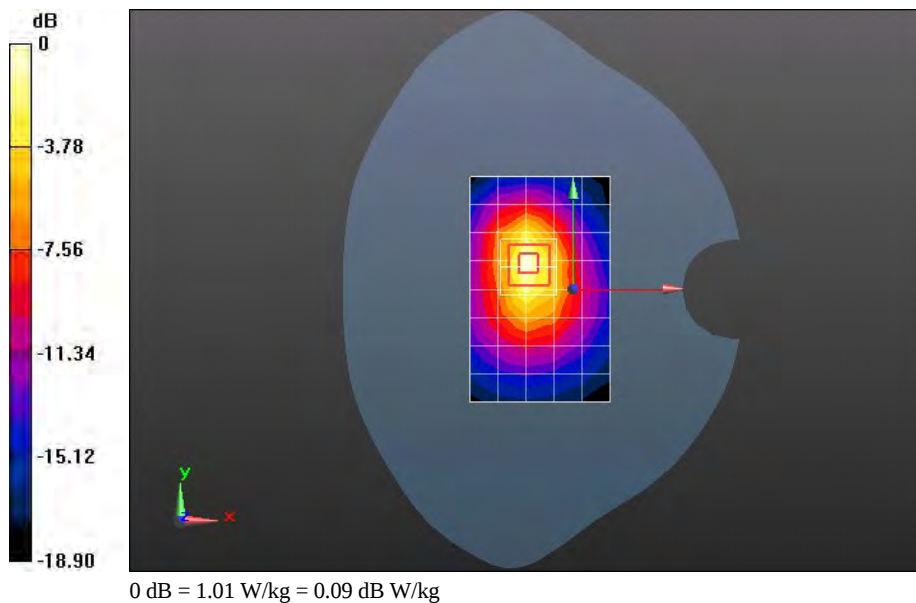
Reference Value = 20.284 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.613 mW/g

SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.443 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

U9510 UMTS Band II 9262CH Towards Ground 10mm with Headset

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.41$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

[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=5mm, dy=5mm, dz=5mm

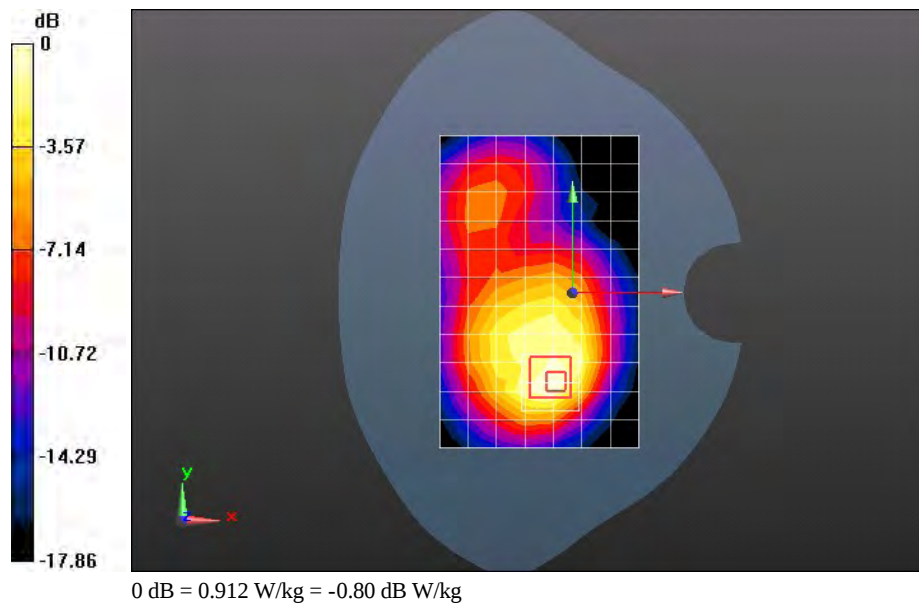
Reference Value = 15.921 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.009 mW/g

SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.449 mW/g

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

Maximum value of SAR (measured) = 0.912 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Left hand touch cheek

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.801$ mho/m; $\epsilon_r = 39.698$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.187 W/kg

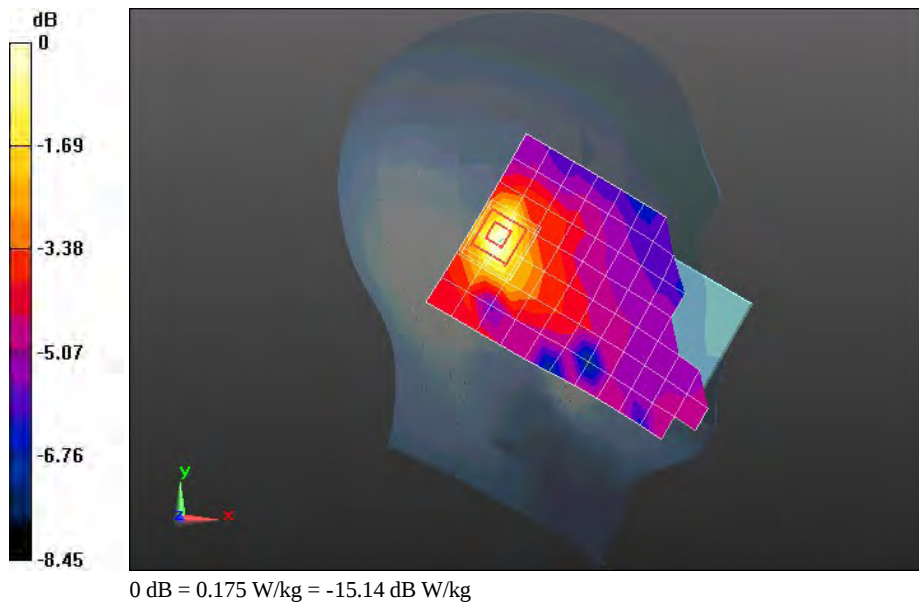
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.252 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.323 mW/g

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.175 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Left hand tilt 15 degree**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.801$ mho/m; $\epsilon_r = 39.698$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.174 W/kg

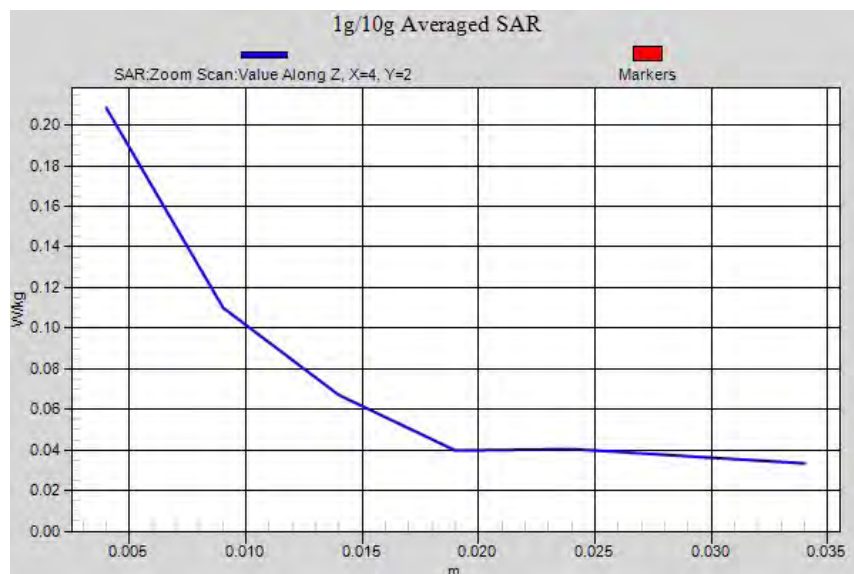
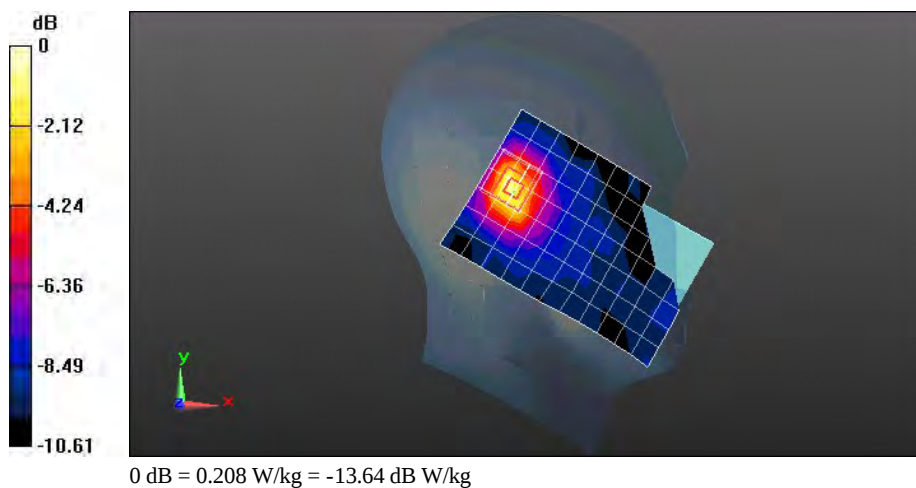
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.879 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.403 mW/g

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.208 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Right hand touch cheek

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.801$ mho/m; $\epsilon_r = 39.698$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.133 W/kg

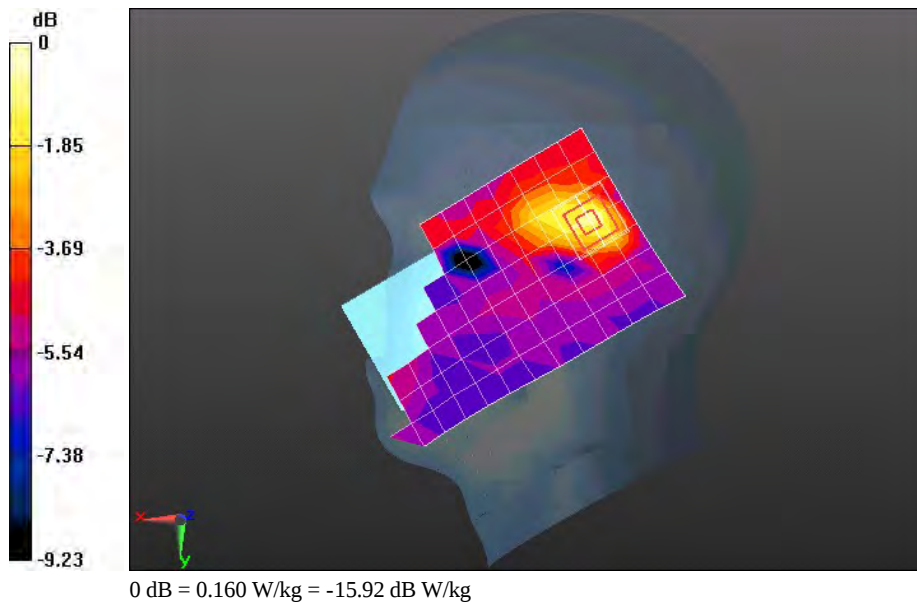
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.263 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.585 mW/g

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.103 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Right hand tilt 15 degree

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.801$ mho/m; $\epsilon_r = 39.698$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.78, 6.78, 6.78); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.130 W/kg

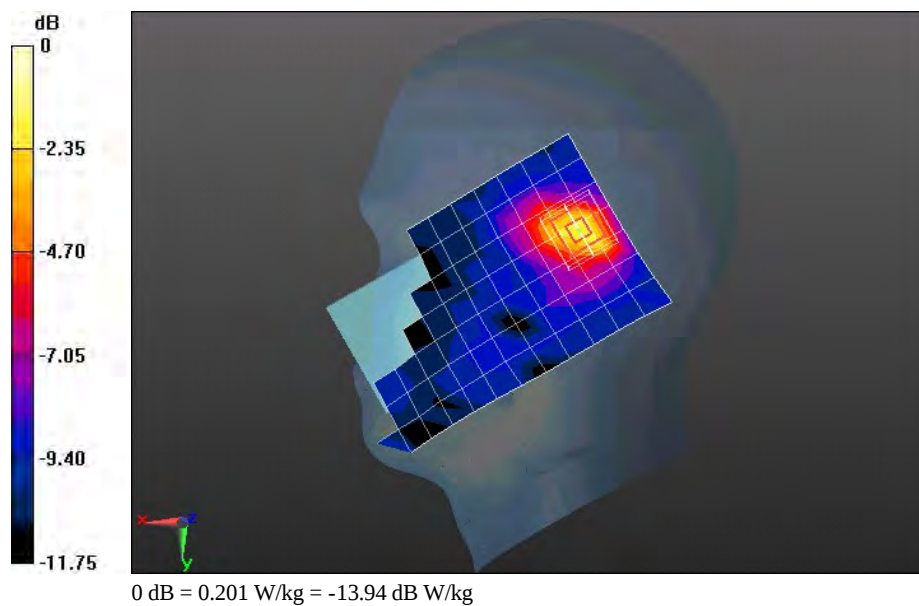
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.227 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.400 mW/g

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.089 mW/g

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



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Towards Phantom 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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; $\epsilon_r = 52.592$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.0454 W/kg

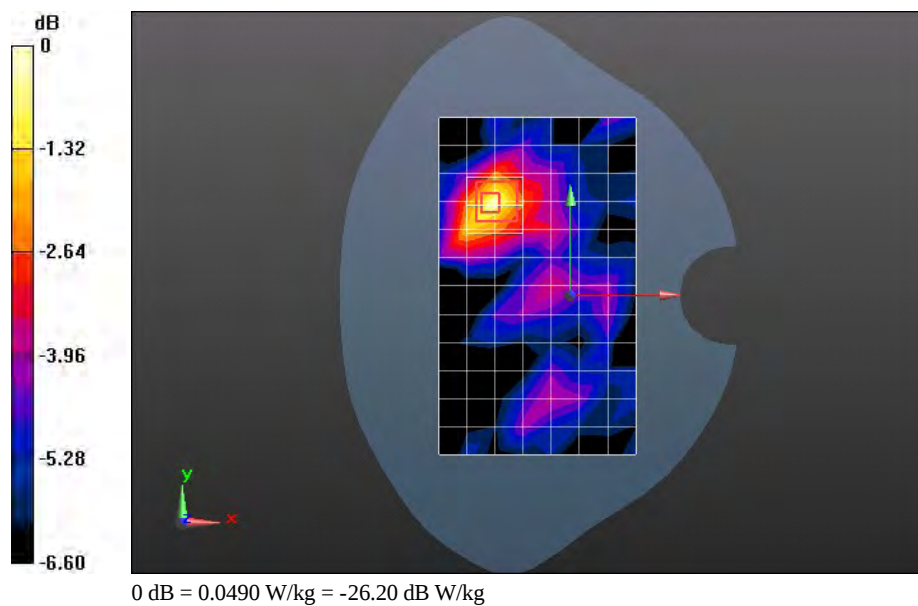
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.527 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.196 mW/g

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.0490 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Towards Ground 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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; $\epsilon_r = 52.592$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.120 W/kg

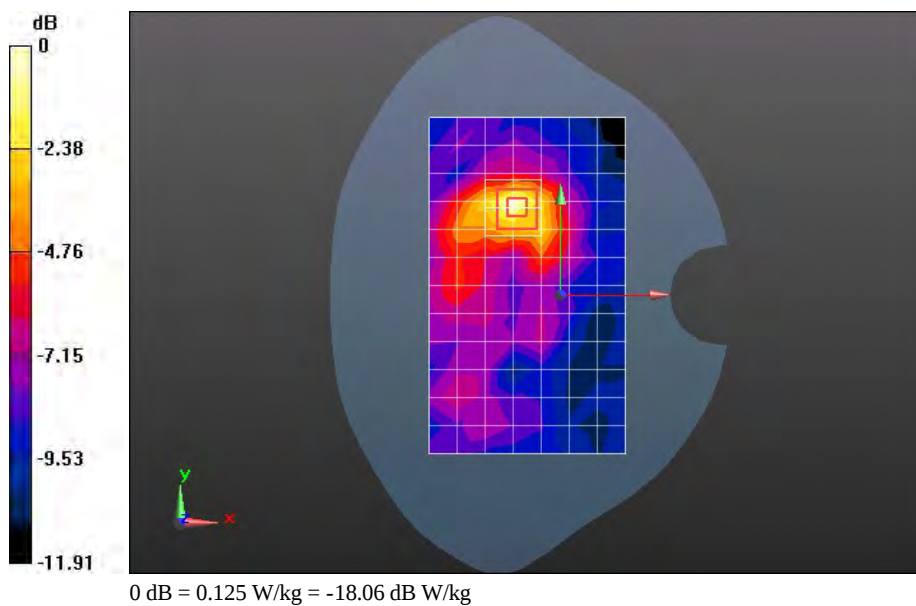
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.104 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.252 mW/g

SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (measured) = 0.125 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Left edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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; $\epsilon_r = 52.592$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.0147 W/kg

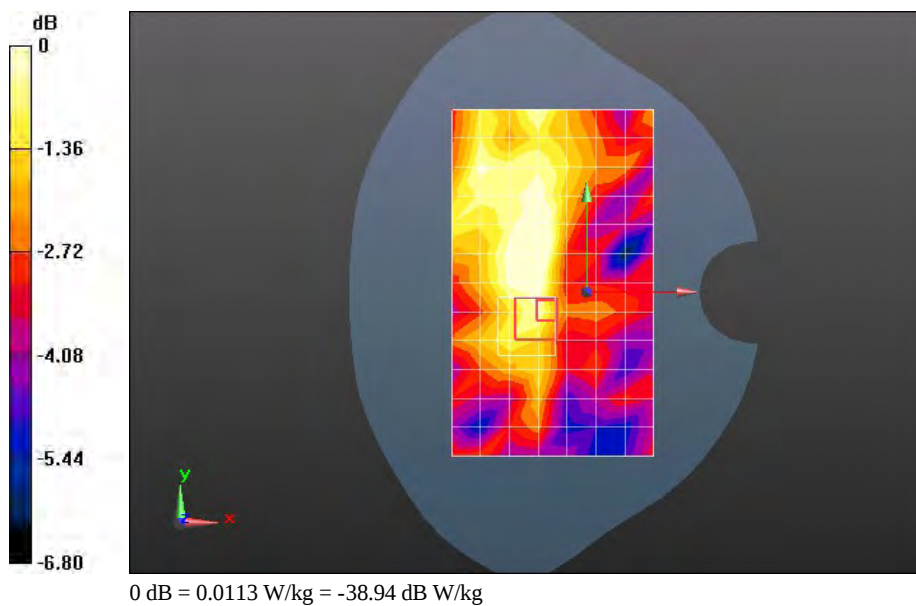
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.083 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.046 mW/g

SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00484 mW/g

Maximum value of SAR (measured) = 0.0113 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Right edge 10mm

DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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; $\epsilon_r = 52.592$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.0150 W/kg

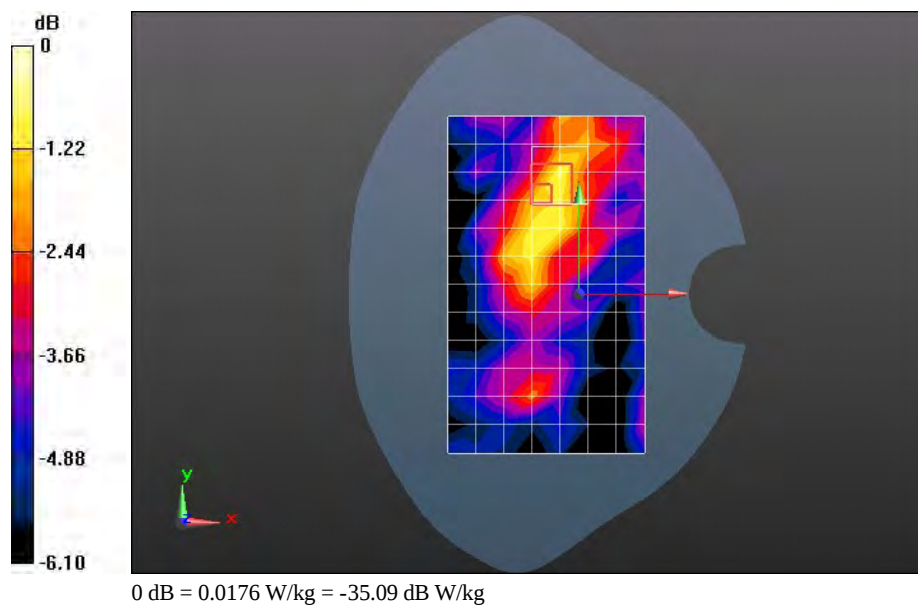
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.274 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.024 mW/g

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.0176 W/kg



Test Laboratory: HUAWEI SAR Lab

U9510 wifi 11b 6CH Top edge 10mm**DUT: HUAWEI U9510, U9510; Type: HSPA+/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; 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; $\epsilon_r = 52.592$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.85, 6.85, 6.85); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 0.116 W/kg

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

Reference Value = 4.171 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.309 mW/g

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.173 W/kg

