



Appendix B. SAR Measurement Plots

Table of contents
GSM 850 MHz Head
GSM 850 MHz Body
GSM 1900 MHz Head
GSM 1900 MHz Body
WCDMA 850 MHz Head
WCDMA 850 MHz Body
WCDMA 1900 MHz Head
WCDMA 1900 MHz Body

D51-5 GSM850 190CH Left Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

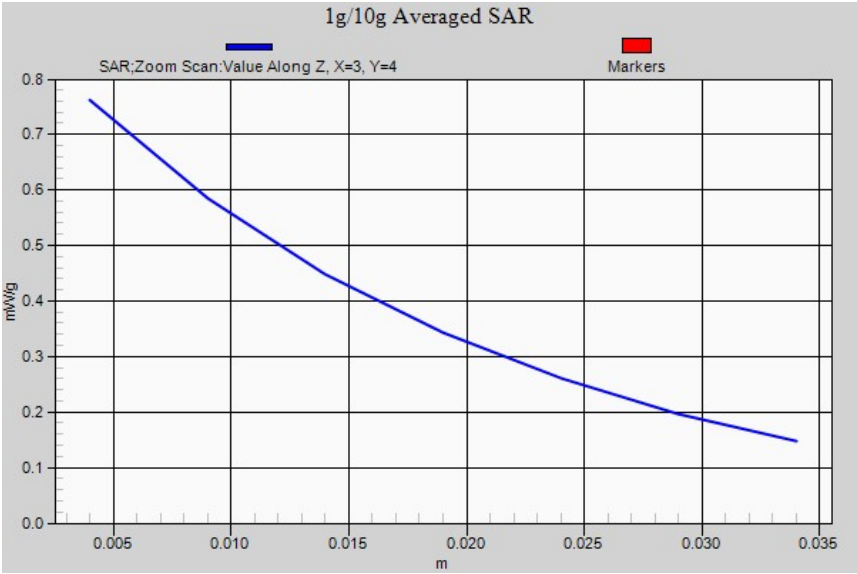
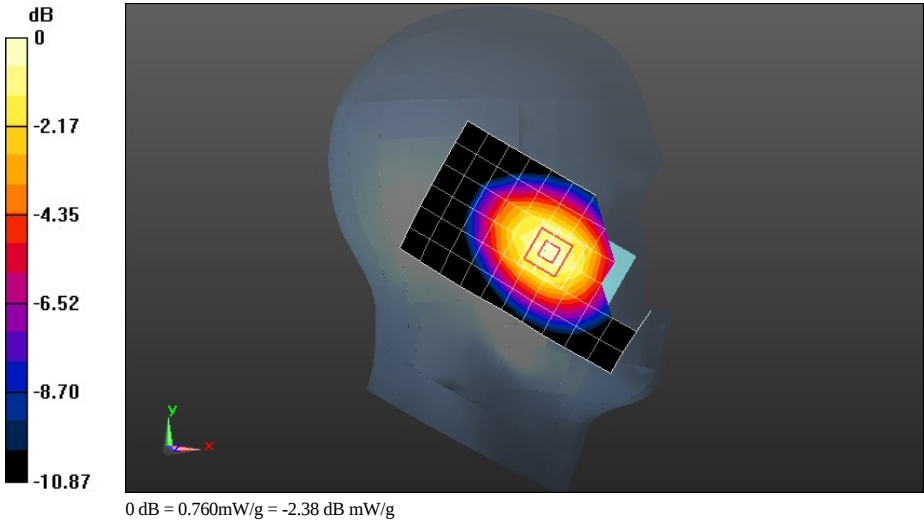
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz
Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.916 \text{ mho/m}$; $\epsilon_r = 42.001$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.751 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 7.976 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.9390
SAR(1 g) = 0.716 mW/g; SAR(10 g) = 0.510 mW/g
Maximum value of SAR (measured) = 0.761 mW/g



D51-5 GSM850 190CH Left hand tilt 15 degree

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

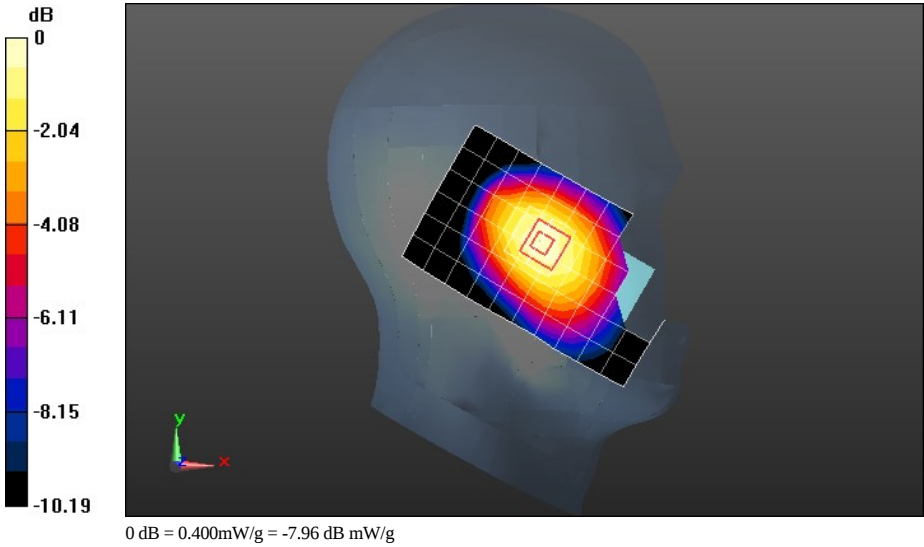
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz
Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.916 \text{ mho/m}$; $\epsilon_r = 42.001$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.380 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 11.528 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.4960
SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 0.401 mW/g



D51-5 GSM850 190CH Right Hand Touch Cheek**DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 42.001$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.682 mW/g

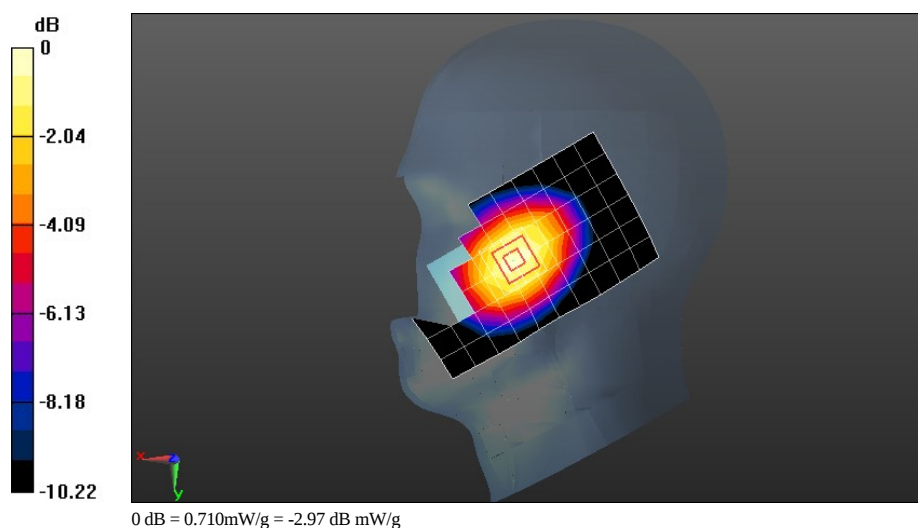
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.067 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.8830

SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.471 mW/g

Maximum value of SAR (measured) = 0.713 mW/g



D51-5 GSM850 190CH Right hand tilt 15 degree**DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 42.001$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.33, 8.56, 8.97); Calibrated: 2010-11-16
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.381 mW/g

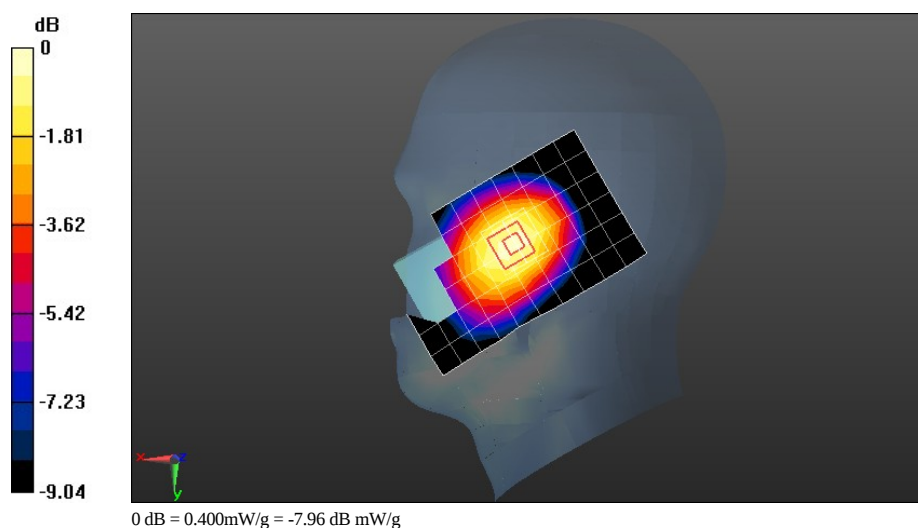
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.078 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.4730

SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.278 mW/g

Maximum value of SAR (measured) = 0.401 mW/g



D51-5 GSM850 190CH Left Hand Touch Cheek with battery SN-UNDB922XE3937369

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

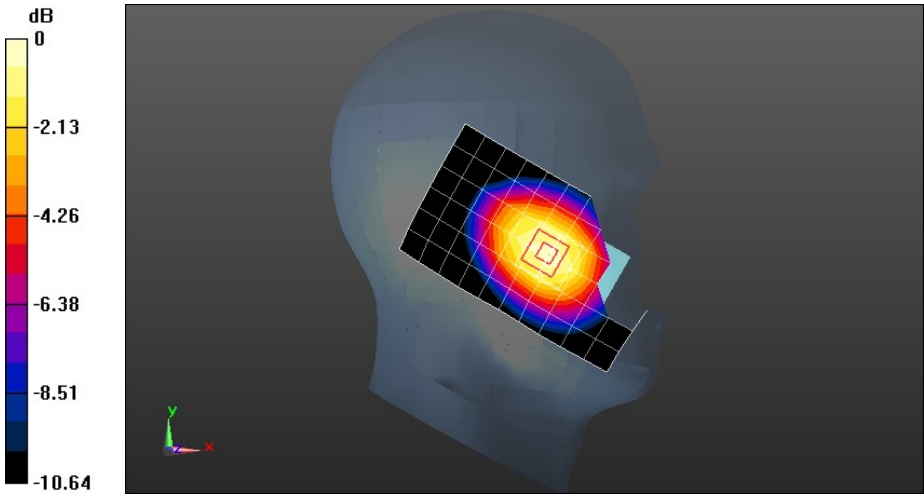
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz
Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.916 \text{ mho/m}$; $\epsilon_r = 42.001$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.742 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 7.456 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.9110
SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.502 mW/g



0 dB = 0.740mW/g = -2.62 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-5 GSM850 GPRS 1TS 190CH Towards Phantom 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.397 mW/g

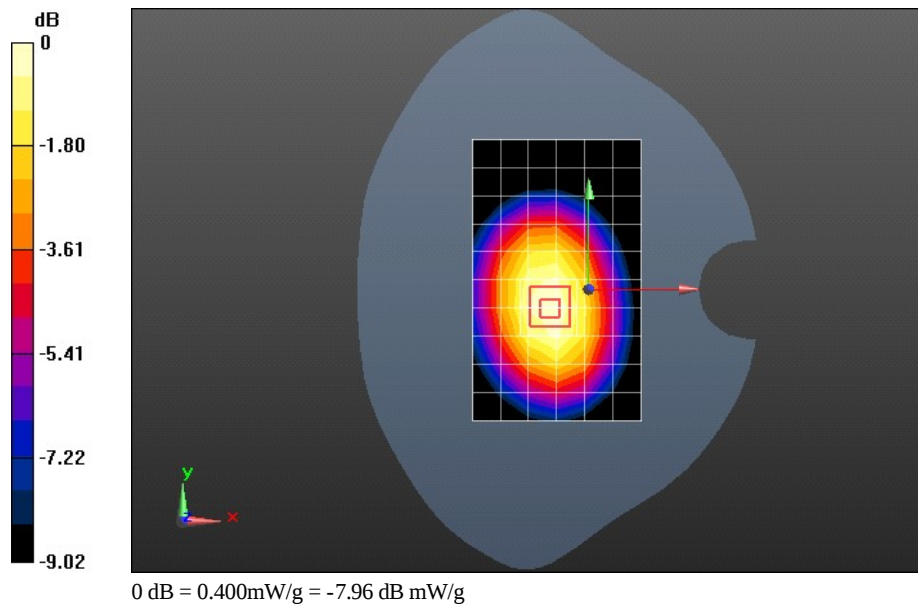
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 20.112 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.5070

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.279 mW/g

Maximum value of SAR (measured) = 0.404 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM850 GPRS 2TS 190CH Towards Phantom 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.419 mW/g

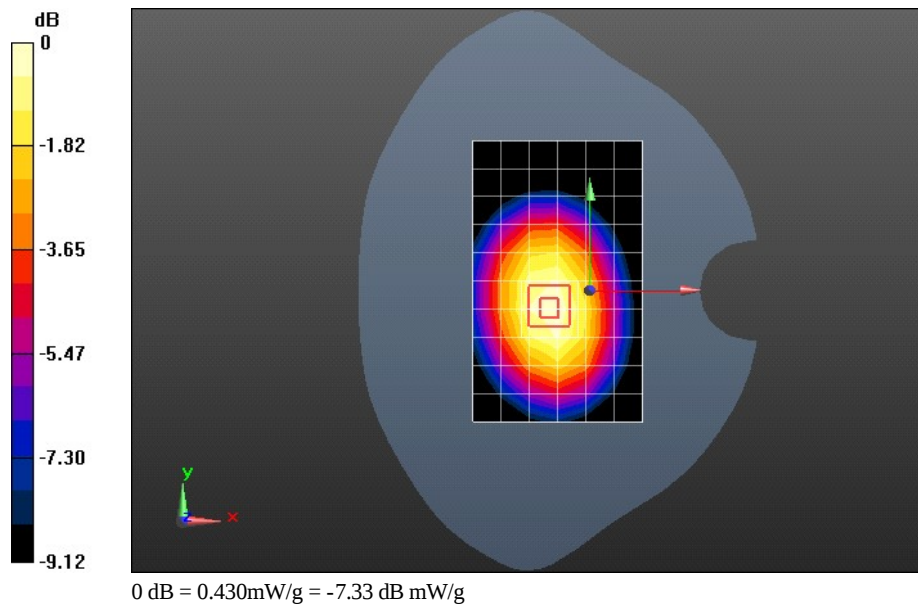
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 20.766 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.5330

SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.290 mW/g

Maximum value of SAR (measured) = 0.426 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM850 GPRS 2TS 190CH Towards Ground 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.503 mW/g

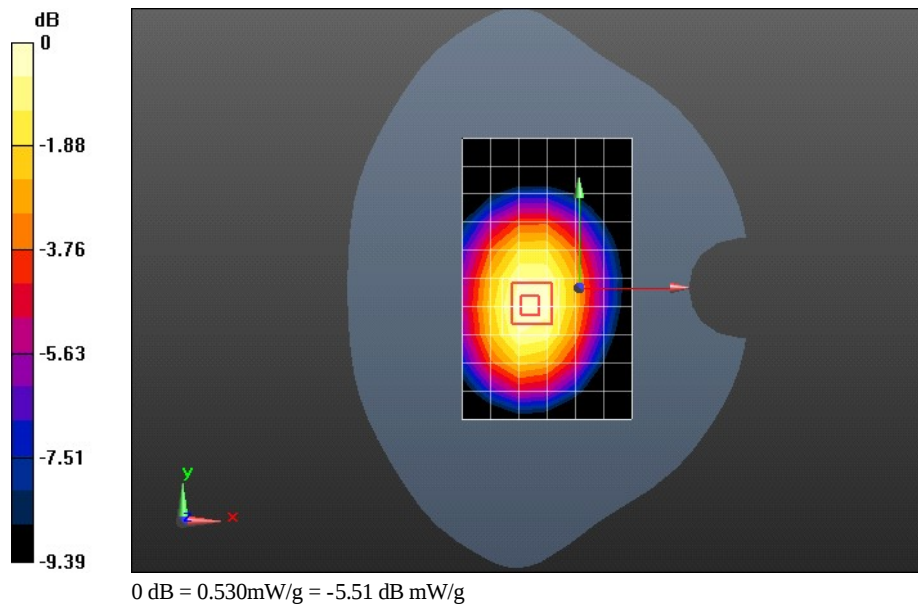
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.557 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.6590

SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.525 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM850 EGPRS 1TS 190CH Towards Ground 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.476 mW/g

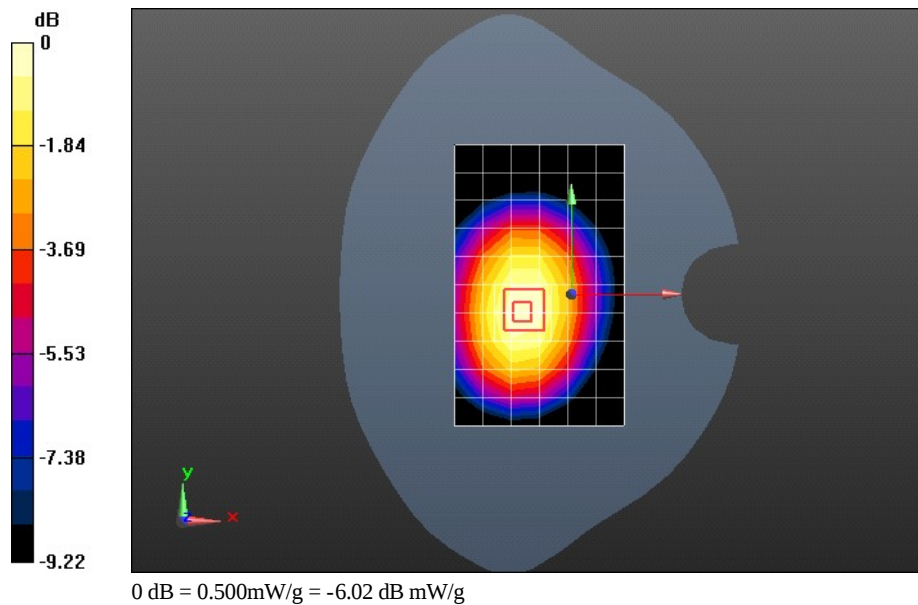
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 21.895 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.6110

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.345 mW/g

Maximum value of SAR (measured) = 0.498 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM850 EGPRS 2TS 190CH Towards Ground 15 mm**DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196**

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.507 mW/g

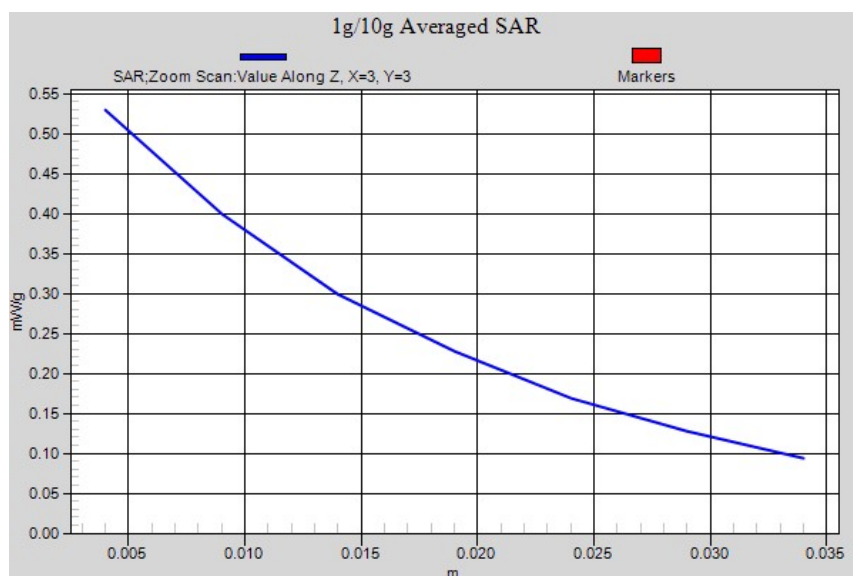
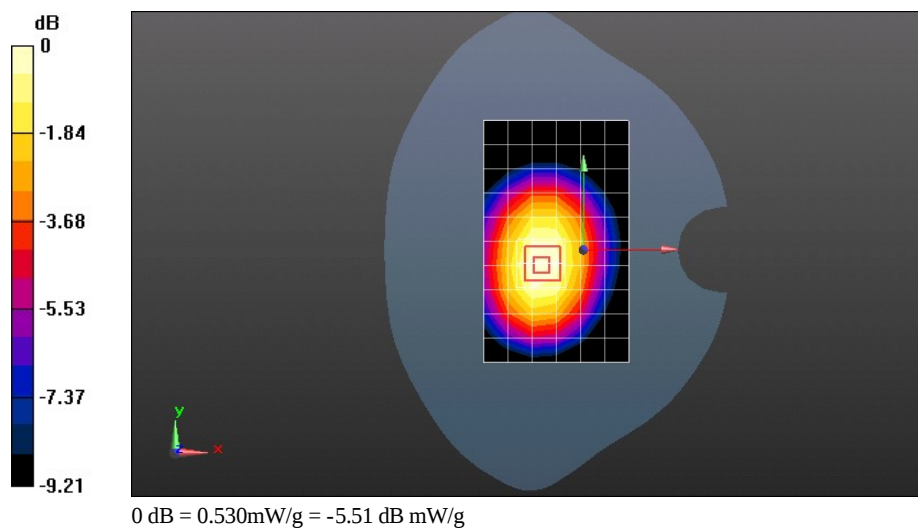
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.655 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.6500

SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.362 mW/g

Maximum value of SAR (measured) = 0.530 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM850 190CH Towards Ground with Headset 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.327 mW/g

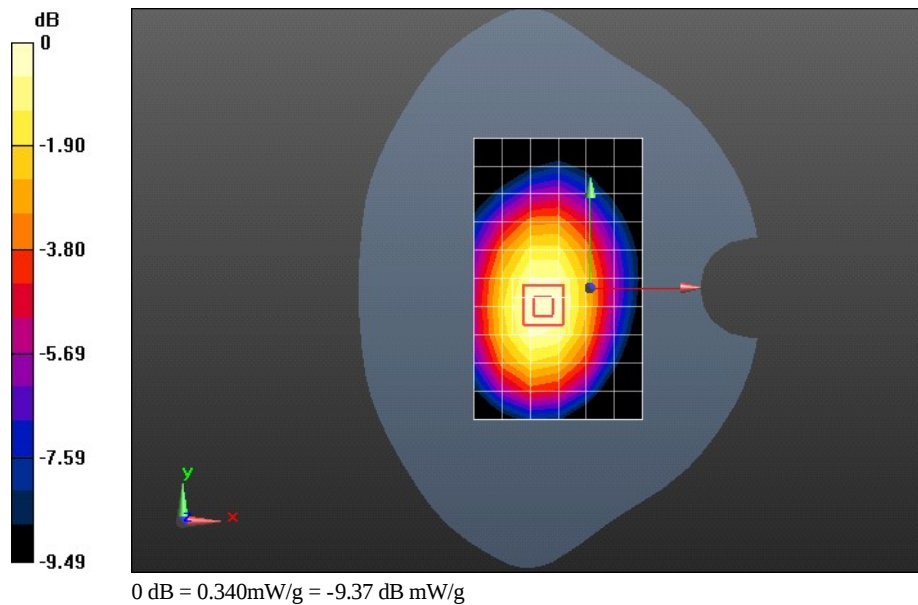
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 18.114 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.4210

SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.335 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM850 EGPRS 2TS 190CH Towards Ground 15 mm with battery SN-UNDB922XE3937369

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.506 mW/g

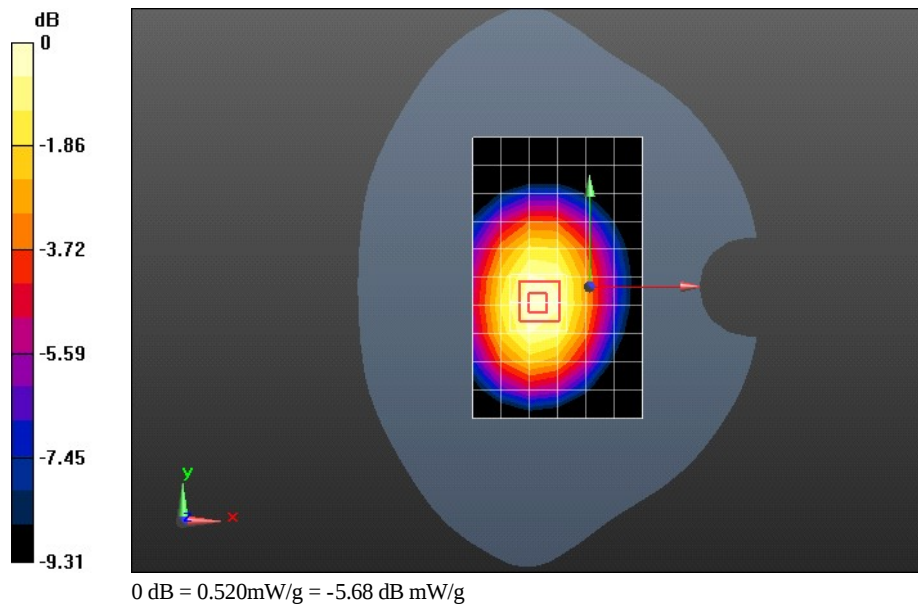
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.124 V/m; Power Drift = 0.0091 dB

Peak SAR (extrapolated) = 0.6490

SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.355 mW/g

Maximum value of SAR (measured) = 0.518 mW/g



D51-5 GSM1900 661CH Left Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

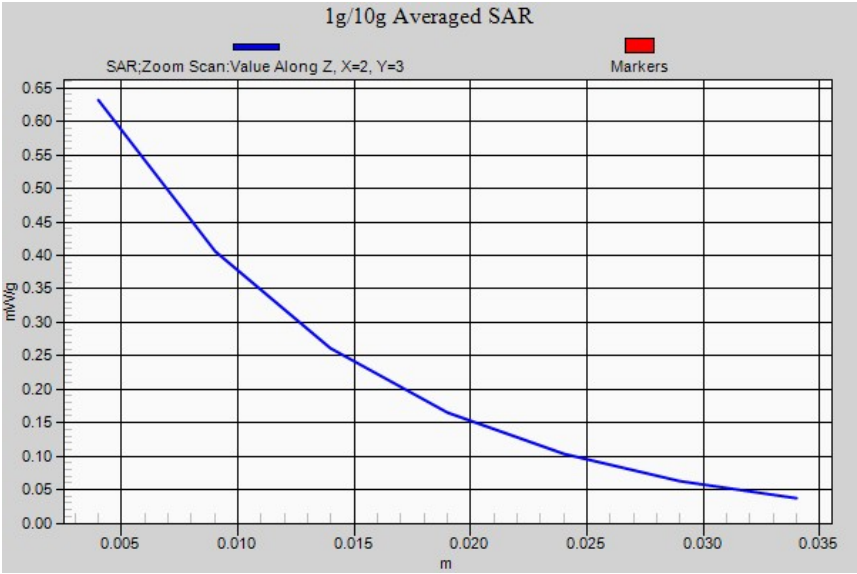
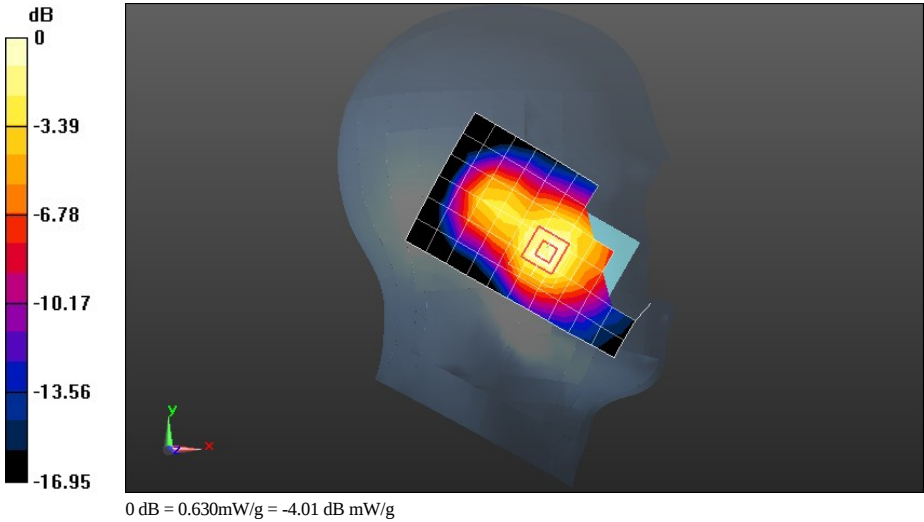
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.408 \text{ mho/m}$; $\epsilon_r = 38.277$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.535 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 11.322 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.8910
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (measured) = 0.632 mW/g



D51-5 GSM1900 661CH Left Hand tilt 15 degree

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

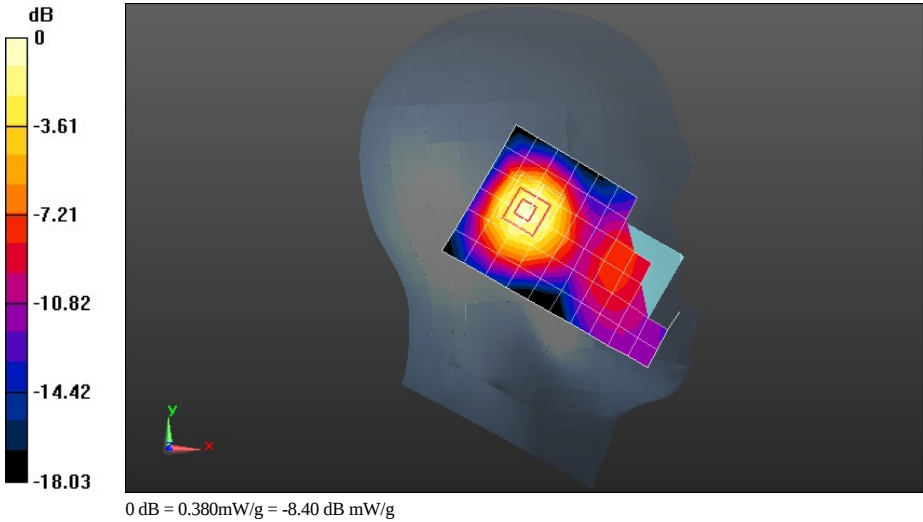
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.408 \text{ mho/m}$; $\epsilon_r = 38.277$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.371 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 14.870 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.5500
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.382 mW/g



D51-5 GSM1900 661CH Right Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

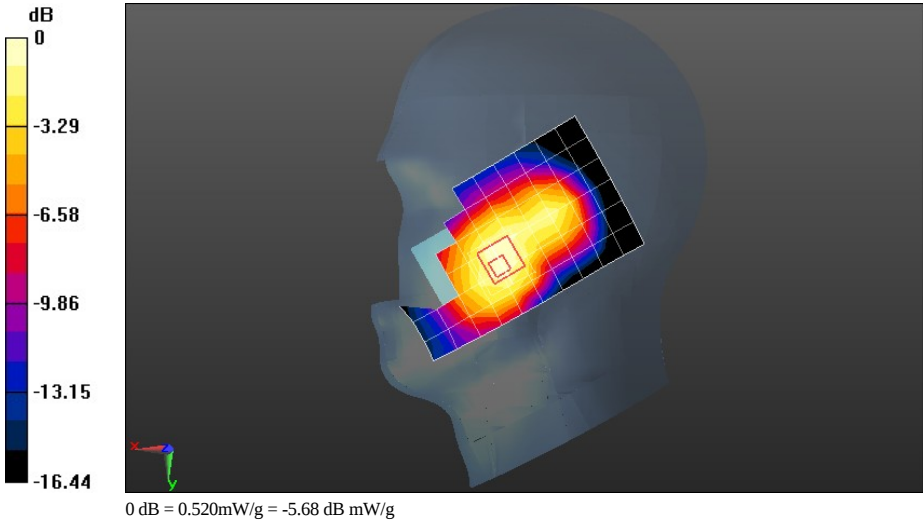
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.408 \text{ mho/m}$; $\epsilon_r = 38.277$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.513 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 9.446 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.7880
SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.292 mW/g
Maximum value of SAR (measured) = 0.520 mW/g



D51-5 GSM1900 661CH Right Hand tilt 15 degree**DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 38.277$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.354 mW/g

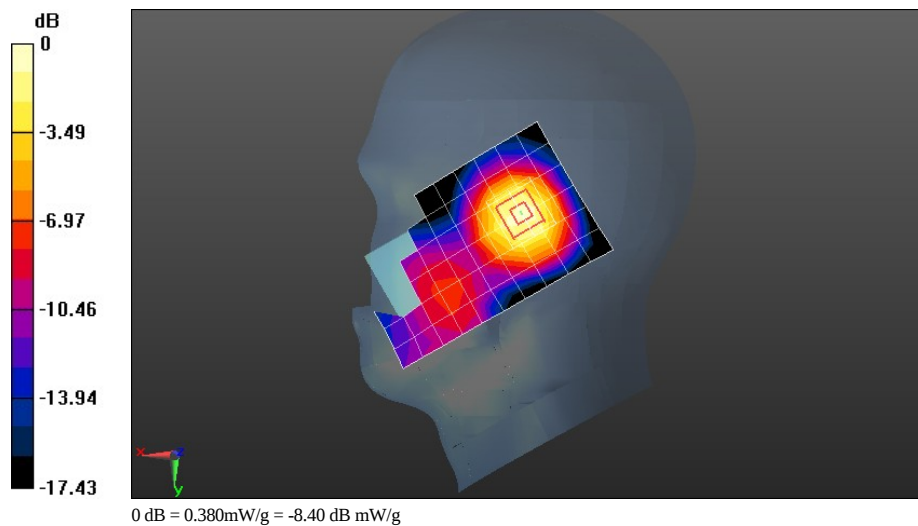
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.695 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.5390

SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.206 mW/g

Maximum value of SAR (measured) = 0.381 mW/g



D51-5 GSM1900 661CH Left Hand Touch Cheek with battery SN-UNDB922XE3937369**DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 38.277$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.496 mW/g

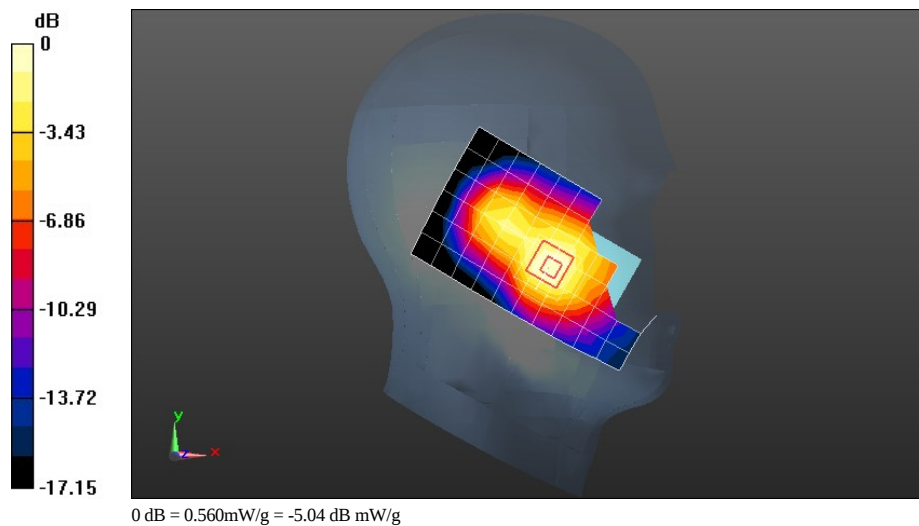
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.073 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.8110

SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 0.562 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM1900 GPRS 1TS 661CH Towards Phantom 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.236 mW/g

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

Reference Value = 6.737 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.3470

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.132 mW/g

Maximum value of SAR (measured) = 0.233 mW/g

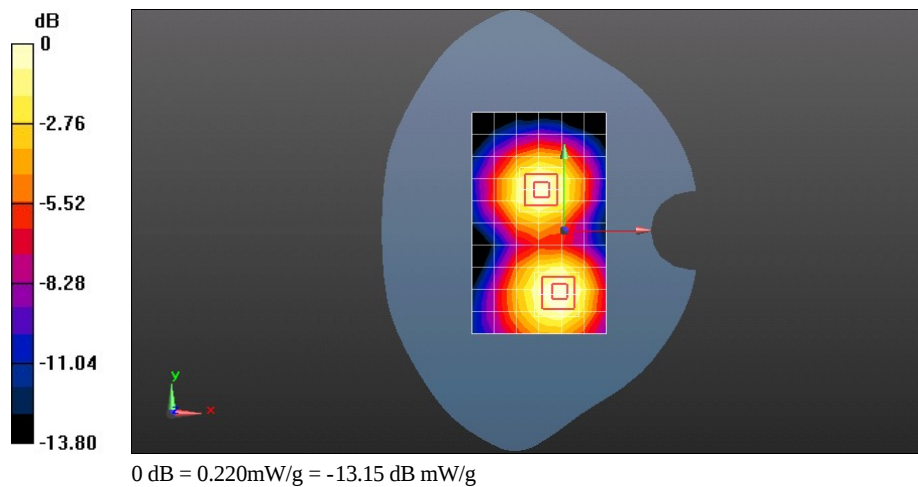
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.737 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.3100

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.221 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM1900 GPRS 2TS 661CH Towards Phantom 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.244 mW/g

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

Reference Value = 6.749 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.3630

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.241 mW/g

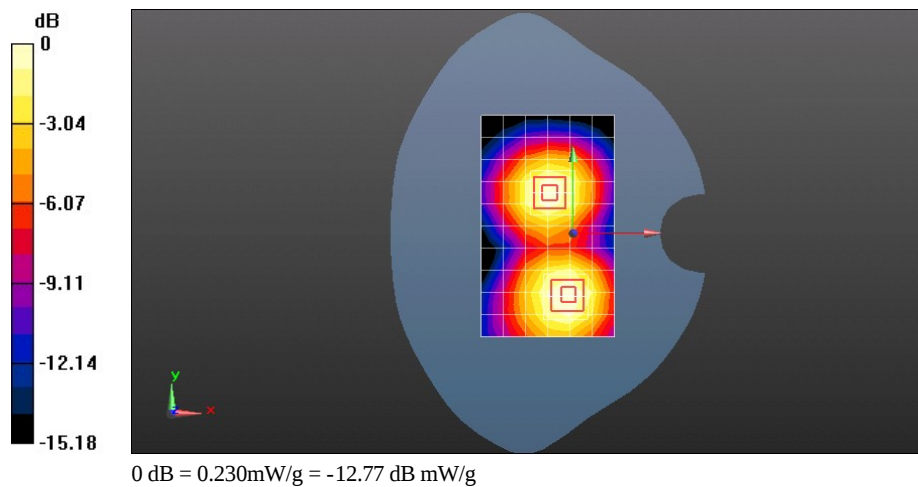
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.749 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.3210

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.132 mW/g

Maximum value of SAR (measured) = 0.228 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM1900 GPRS 2TS 661CH Towards Ground 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.262 mW/g

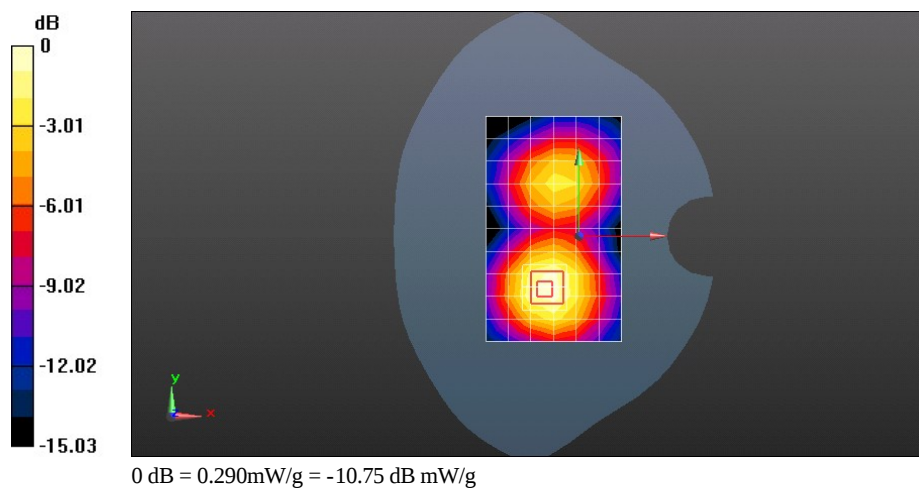
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.178 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.4350

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.288 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM1900 EDGE 1TS 661CH Towards Ground 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.251 mW/g

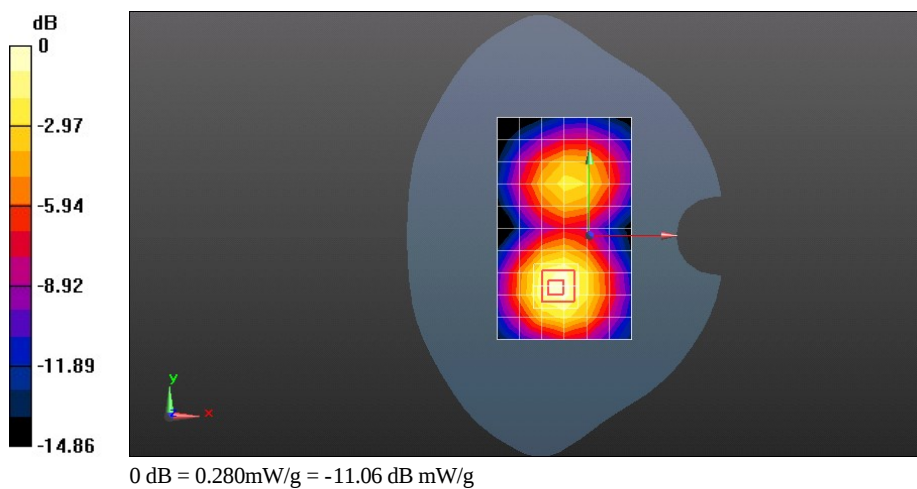
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.099 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.4140

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.154 mW/g

Maximum value of SAR (measured) = 0.278 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM1900 EDGE 2TS 661CH Towards Ground 15 mm**DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196**

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.272 mW/g

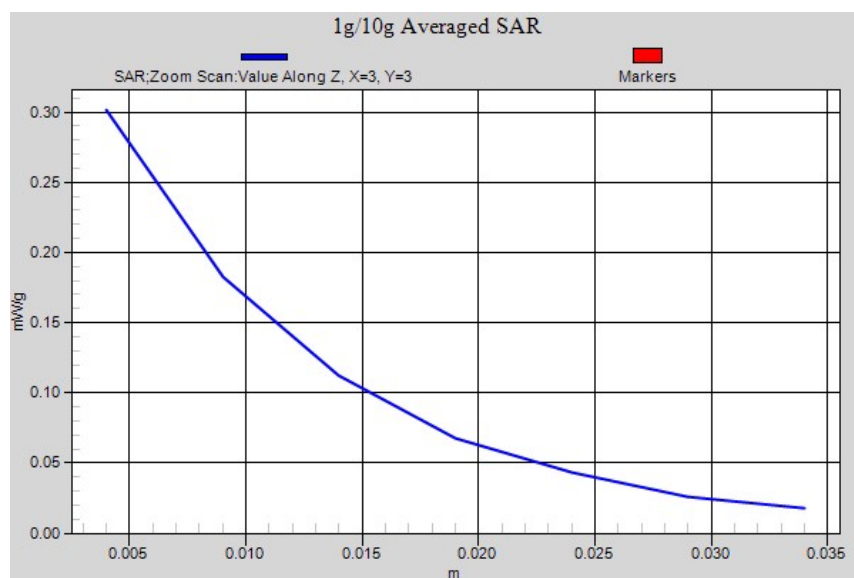
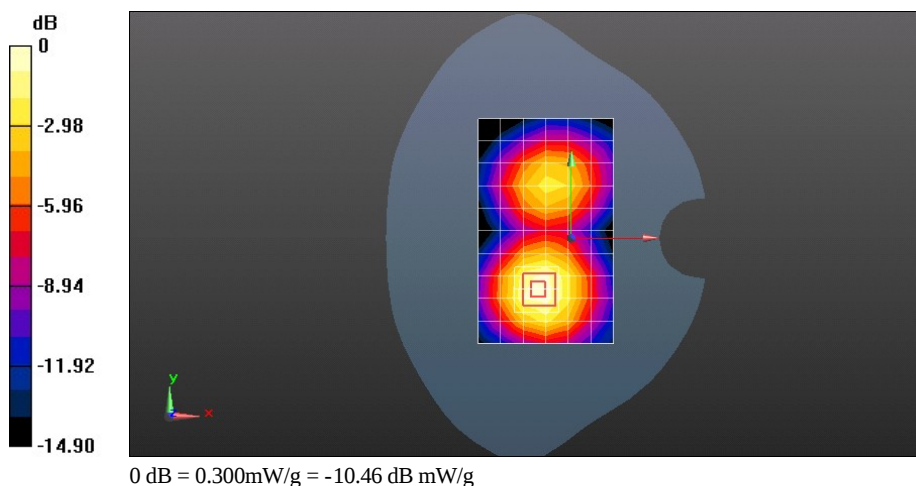
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.274 V/m; Power Drift = 0.0034 dB

Peak SAR (extrapolated) = 0.4550

SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.301 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM1900 661CH Towards Ground with Headset 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.228 mW/g

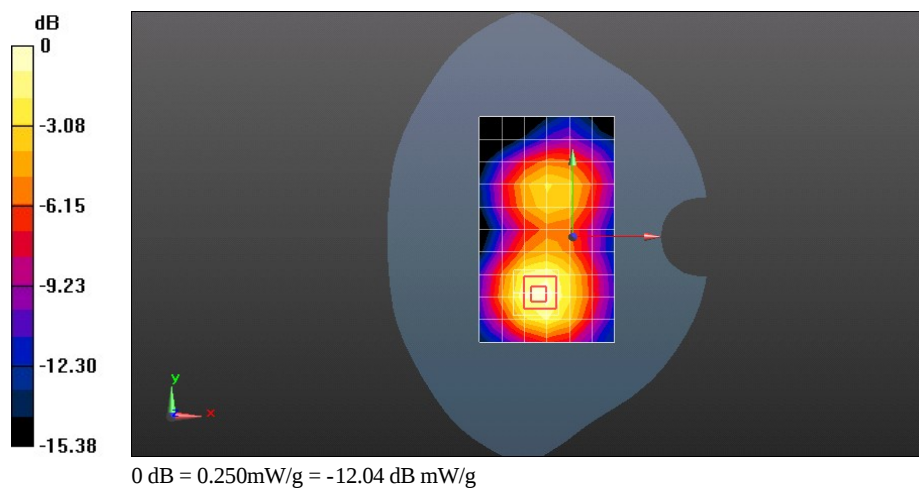
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.621 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.3760

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.245 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 GSM1900 EDGE 2TS 661CH Towards Ground with battery SN-UNDB922XE3937369 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.280 mW/g

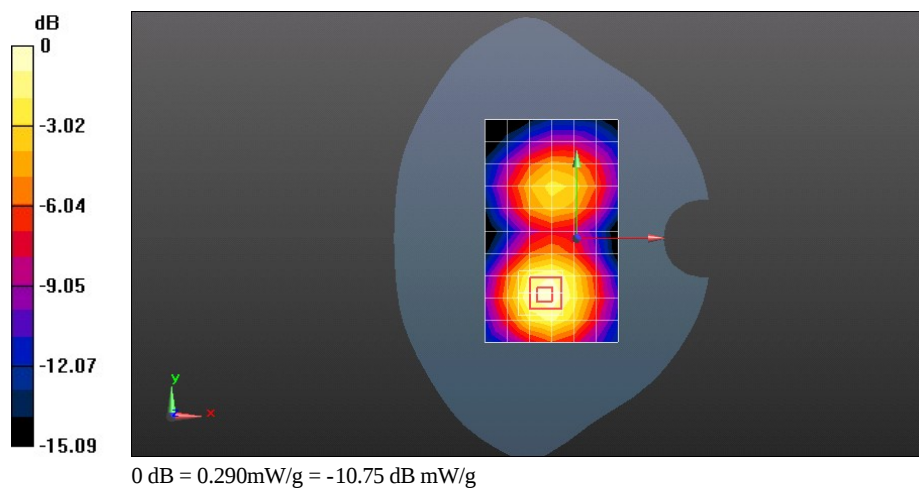
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.691 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.4460

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 0.291 mW/g



D51-5 WCDMA850 4182CH Left Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4 \text{ MHz}$; $\sigma = 0.935 \text{ mho/m}$; $\epsilon_r = 43.512$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

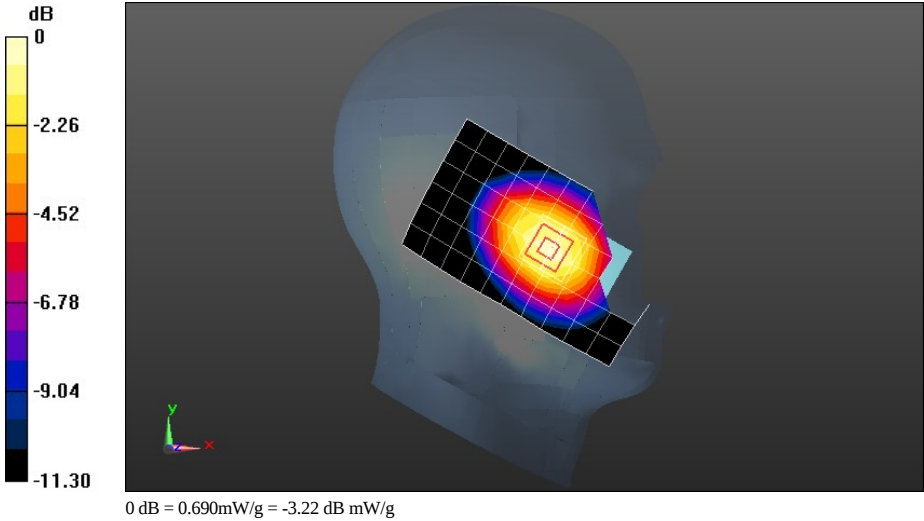
- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)
Maximum value of SAR (measured) = 0.678 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.397 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.8710
SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.449 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)
Maximum value of SAR (measured) = 0.687 mW/g



D51-5 WCDMA850 4182CH Left hand tilt 15 degree**DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 43.512$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.332 mW/g

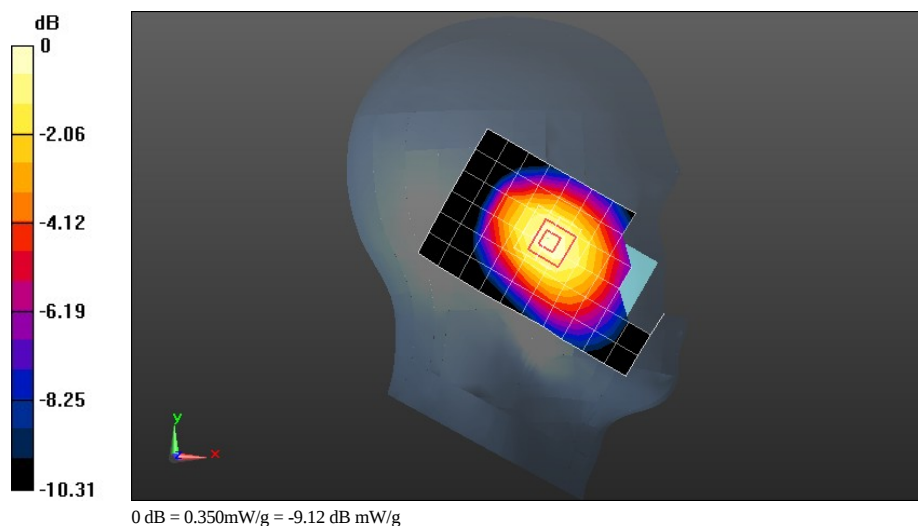
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.448 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.4360

SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.237 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.348 mW/g



D51-5 WCDMA850 4182CH Right Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4 \text{ MHz}$; $\sigma = 0.935 \text{ mho/m}$; $\epsilon_r = 43.512$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY Configuration:

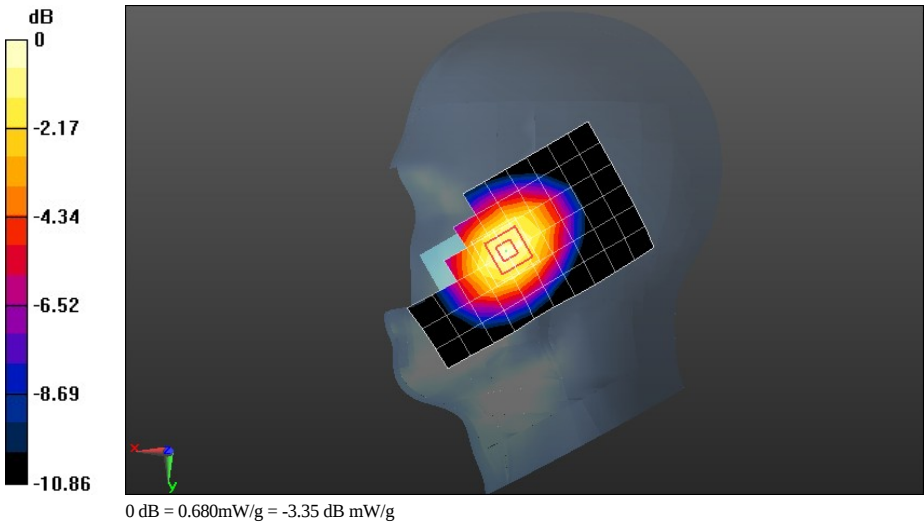
- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)
Maximum value of SAR (measured) = 0.654 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 7.121 V/m ; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.8630
SAR(1 g) = 0.629 mW/g ; SAR(10 g) = 0.434 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)
Maximum value of SAR (measured) = 0.681 mW/g



D51-5 WCDMA850 4182CH Right hand tilt 15 degree**DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 43.512$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.336 mW/g

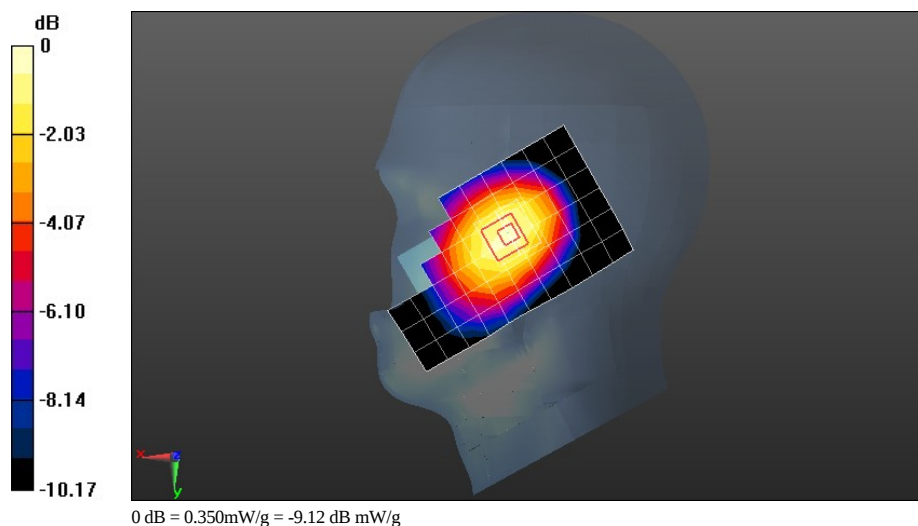
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.516 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.4280

SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.235 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.346 mW/g



D51-5 WCDMA850 4182CH Left Hand Touch Cheek with battery SN-UNDB922XE3937369

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4 \text{ MHz}$; $\sigma = 0.935 \text{ mho/m}$; $\epsilon_r = 43.512$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

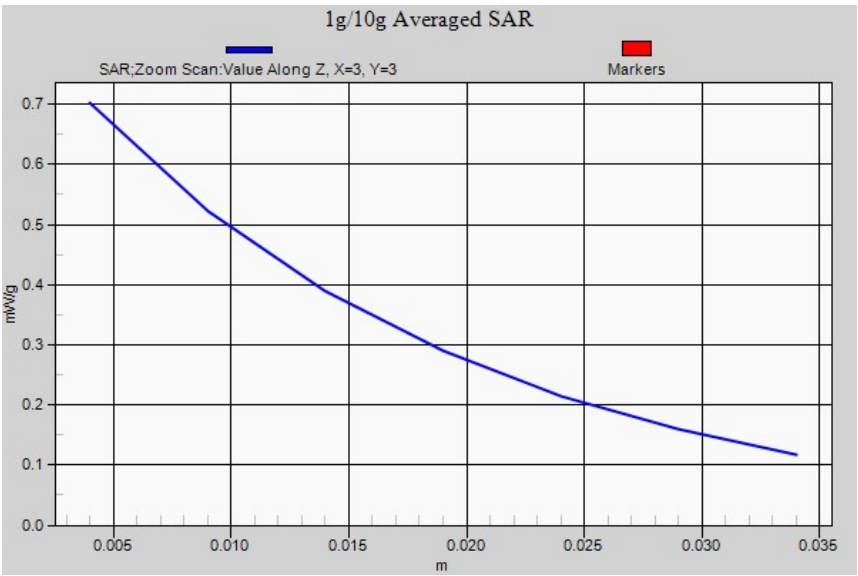
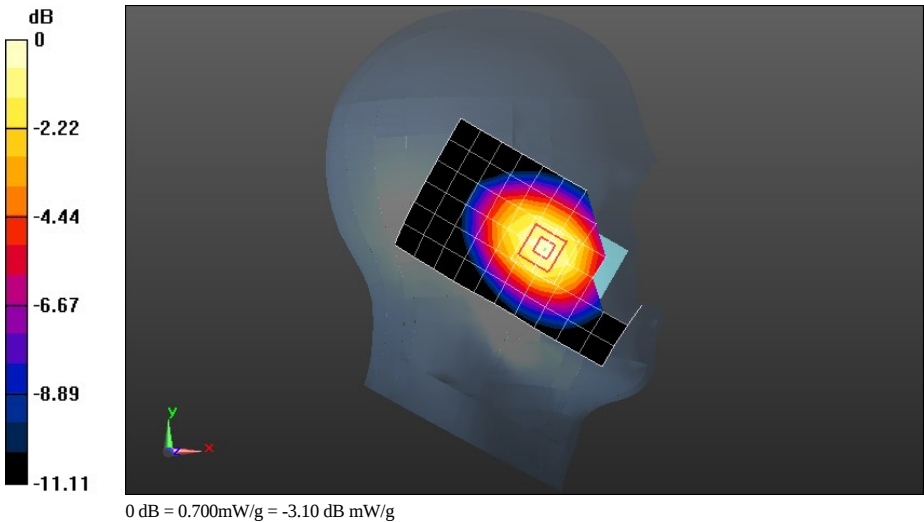
- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)
Maximum value of SAR (measured) = 0.701 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.670 V/m; Power Drift = -0.0066 dB
Peak SAR (extrapolated) = 0.8850
SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.456 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)
Maximum value of SAR (measured) = 0.702 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA850 4182CH Towards Phantom 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.426 mW/g

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

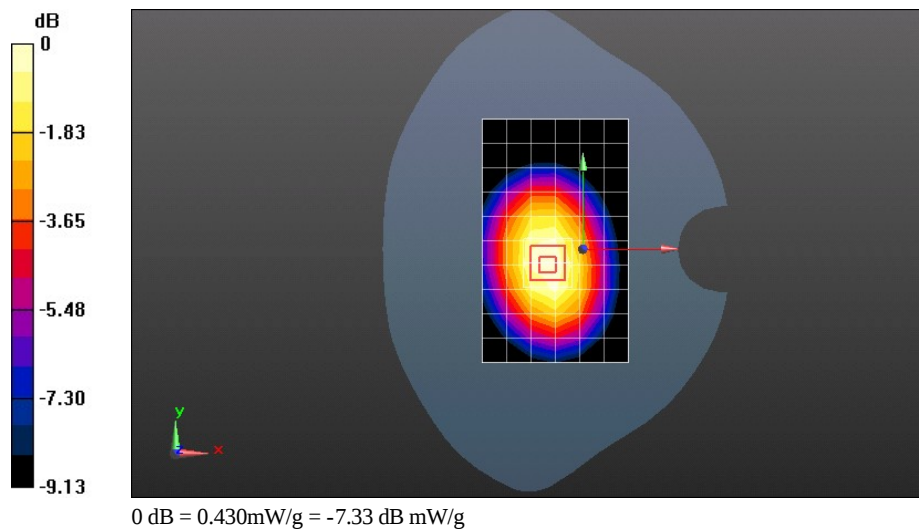
Reference Value = 20.892 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.5450

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.293 mW/g

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

Maximum value of SAR (measured) = 0.434 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA850 4182CH Towards Ground 15 mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.526 mW/g

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

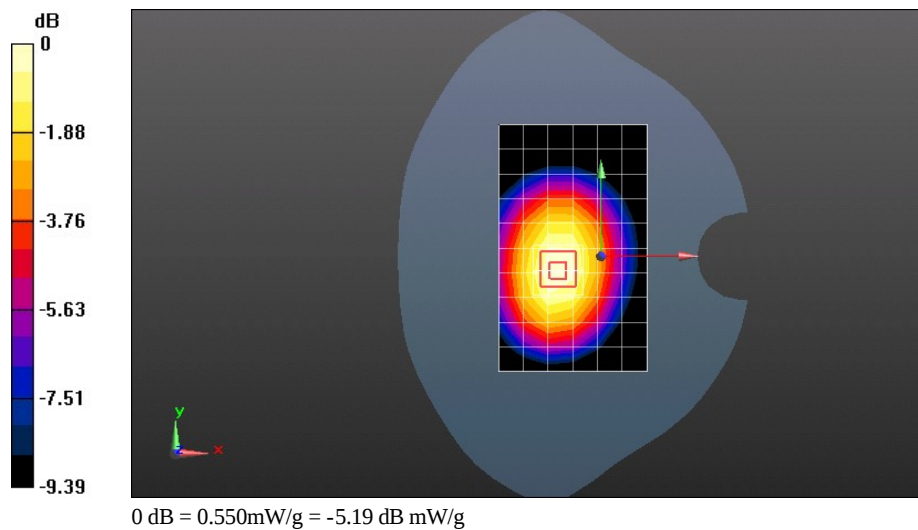
Reference Value = 23.110 V/m; Power Drift = 0.0034 dB

Peak SAR (extrapolated) = 0.6890

SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.374 mW/g

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

Maximum value of SAR (measured) = 0.549 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA850 4182CH Towards Ground 15 mm with HSDPA

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.522 mW/g

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

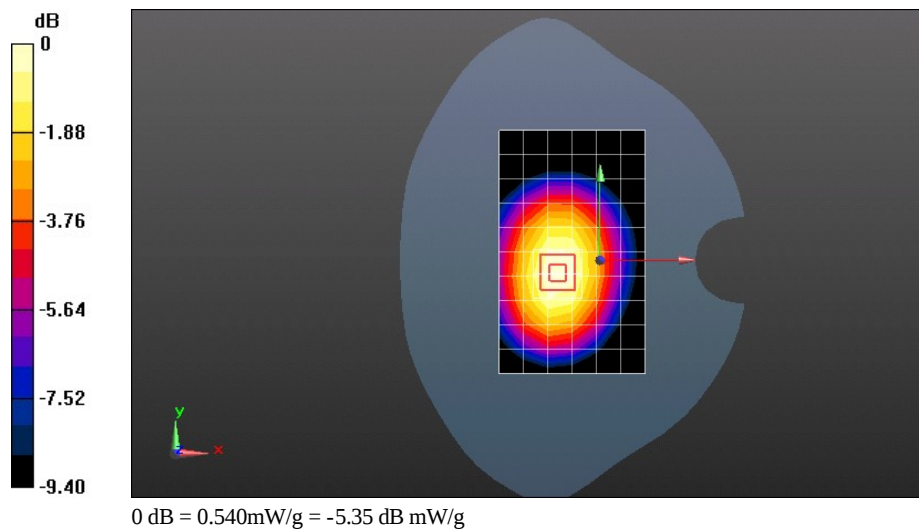
Reference Value = 22.762 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.6790

SAR(1 g) = 0.509 mW/g; SAR(10 g) = 0.367 mW/g

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

Maximum value of SAR (measured) = 0.538 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA850 4182CH Towards Ground 15 mm with Headset

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.223 mW/g

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

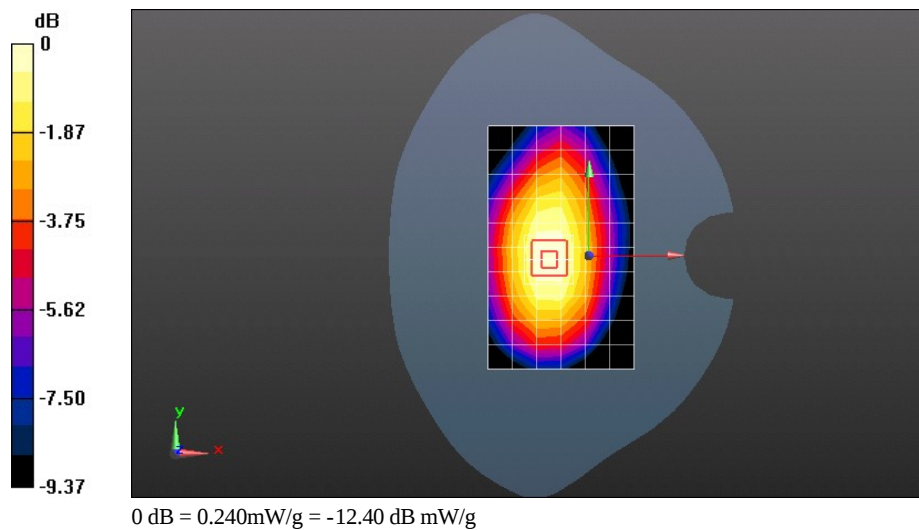
Reference Value = 15.535 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.2980

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.163 mW/g

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

Maximum value of SAR (measured) = 0.236 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA850 4182CH Towards Ground 15 mm with battery SN-UNDB922XE3937369

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.407$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.527 mW/g

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

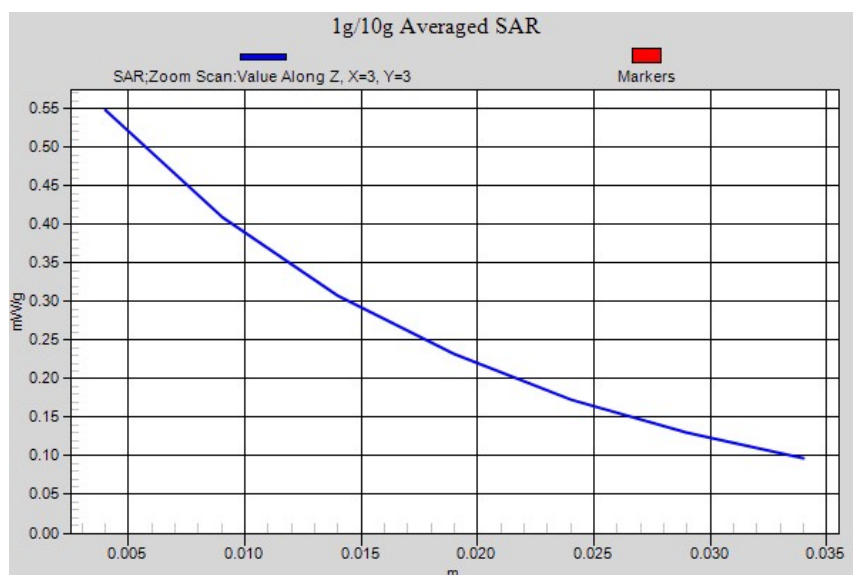
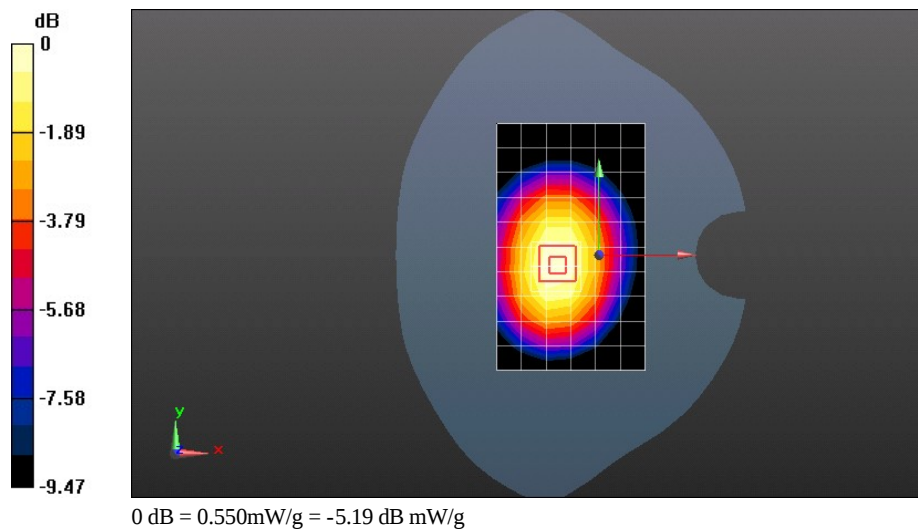
Reference Value = 23.235 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.6910

SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.375 mW/g

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

Maximum value of SAR (measured) = 0.548 mW/g



D51-5 WCDMA1900 9400CH Left hand touch cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

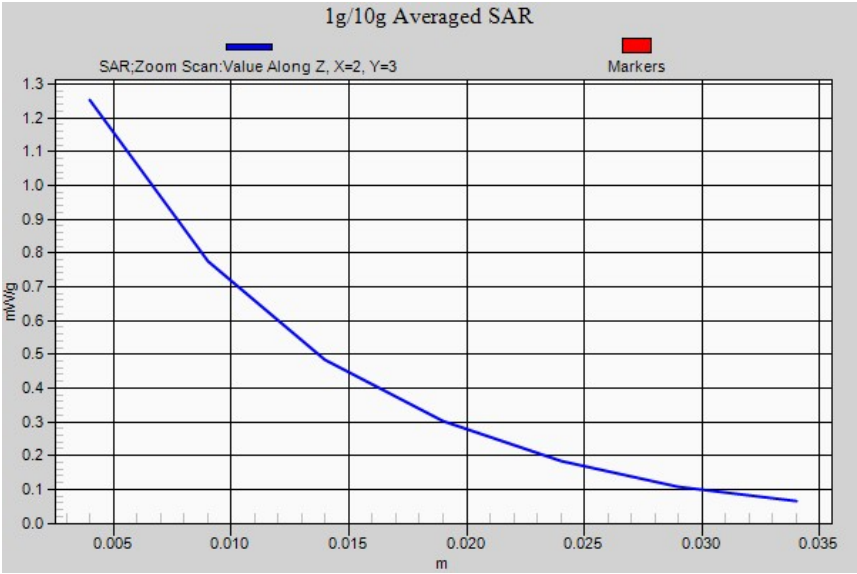
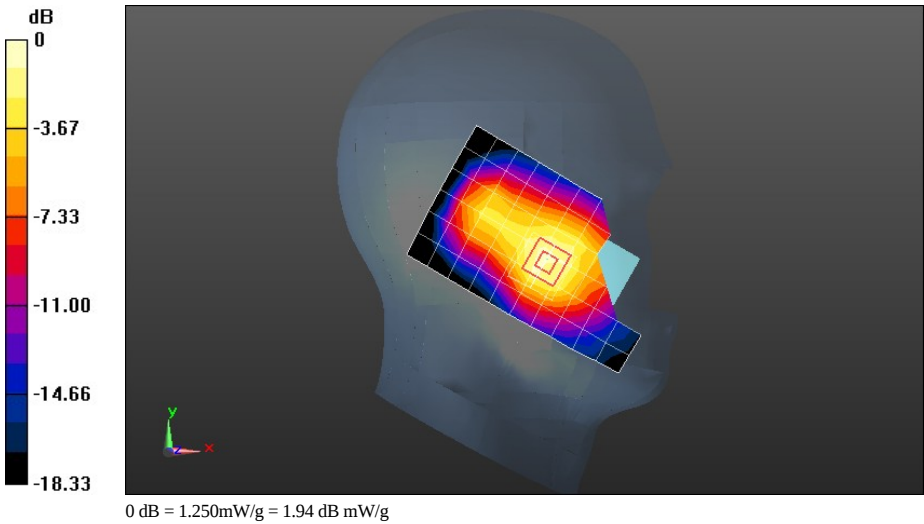
Communication System: HW-UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.408 \text{ mho/m}$; $\epsilon_r = 38.277$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 1.025 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 16.759 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.8250
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.654 mW/g
Maximum value of SAR (measured) = 1.252 mW/g



D51-5 WCDMA1900 9400CH Left hand tilt 15 degree

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

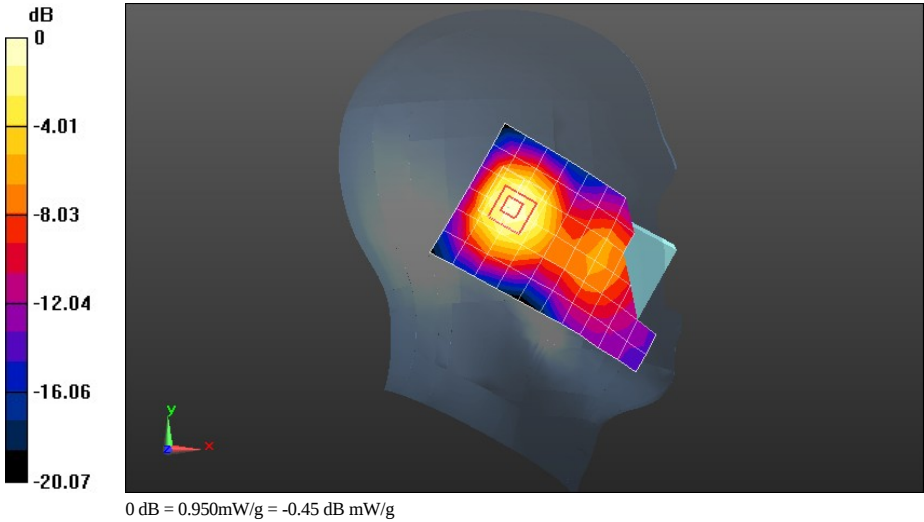
Communication System: HW-UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.408 \text{ mho/m}$; $\epsilon_r = 38.277$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.939 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 23.795 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.3660
SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.521 mW/g
Maximum value of SAR (measured) = 0.948 mW/g



D51-5 WCDMA1900 9400CH Right hand touch cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

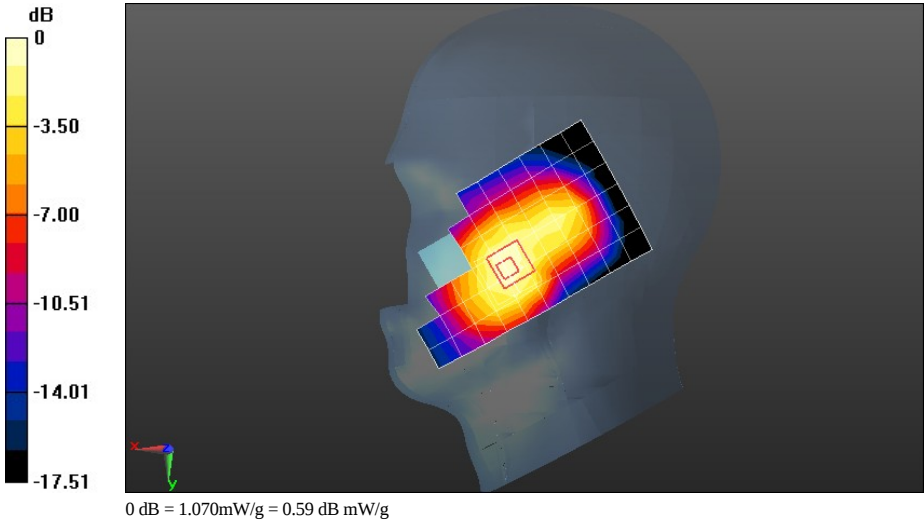
Communication System: HW-UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.408 \text{ mho/m}$; $\epsilon_r = 38.277$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -29.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 1.041 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.512 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.6260
SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.583 mW/g
Maximum value of SAR (measured) = 1.069 mW/g



D51-5 WCDMA1900 9400CH Right hand tilt 15 degree

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

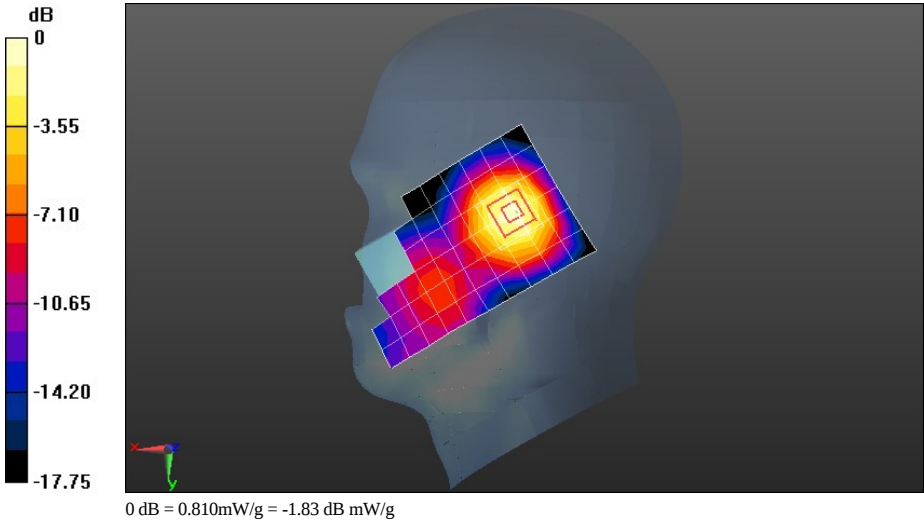
Communication System: HW-UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.408 \text{ mho/m}$; $\epsilon_r = 38.277$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = -29.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.820 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 20.372 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.1870
SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.444 mW/g
Maximum value of SAR (measured) = 0.808 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9538CH Left Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1907.6 MHz

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.444$ mho/m; $\epsilon_r = 38.328$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.132 mW/g

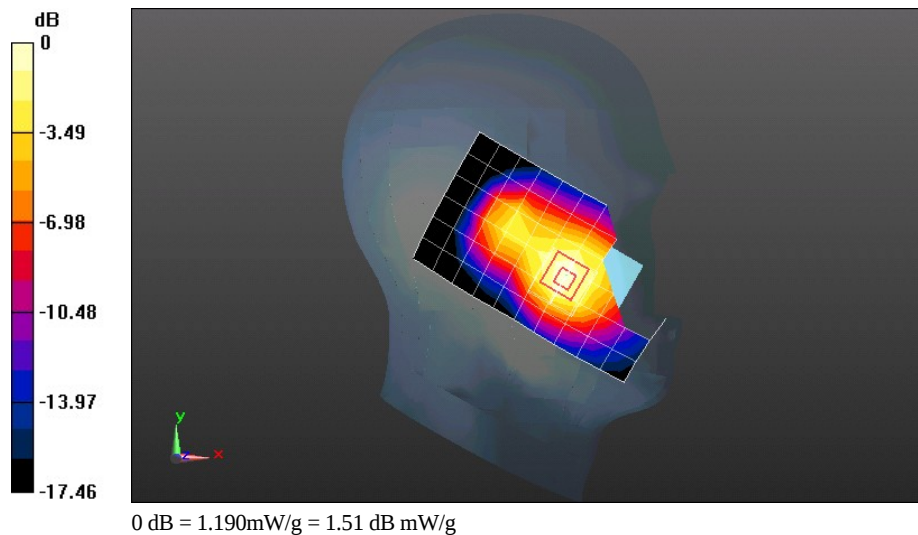
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.486 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.7310

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.637 mW/g

Maximum value of SAR (measured) = 1.193 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9262CH Left Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 38.367$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 1.033 mW/g

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

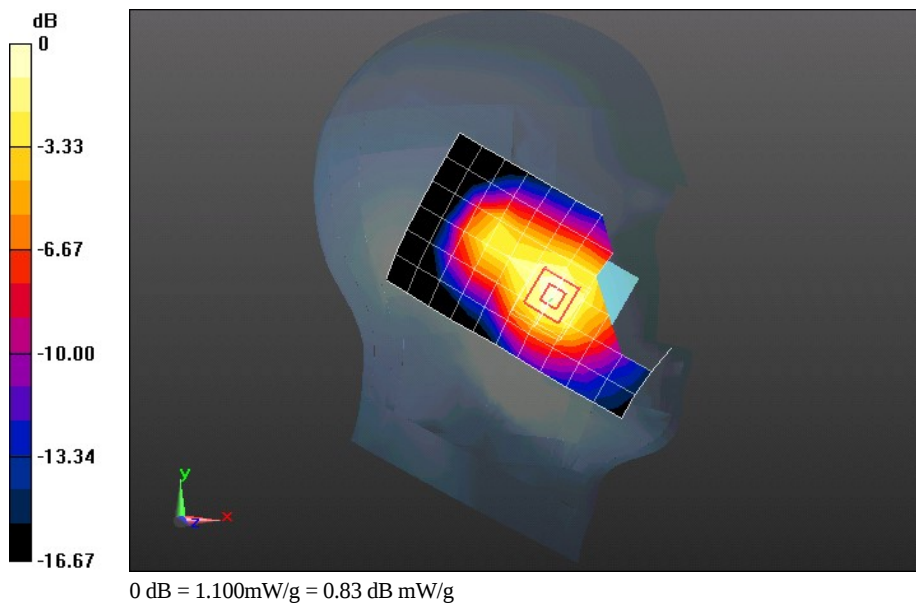
Reference Value = 7.229 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.5640

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.608 mW/g

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

Maximum value of SAR (measured) = 1.102 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9538CH Left Hand tilt 15 degree

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1907.6 MHz

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.444$ mho/m; $\epsilon_r = 38.328$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.670 mW/g

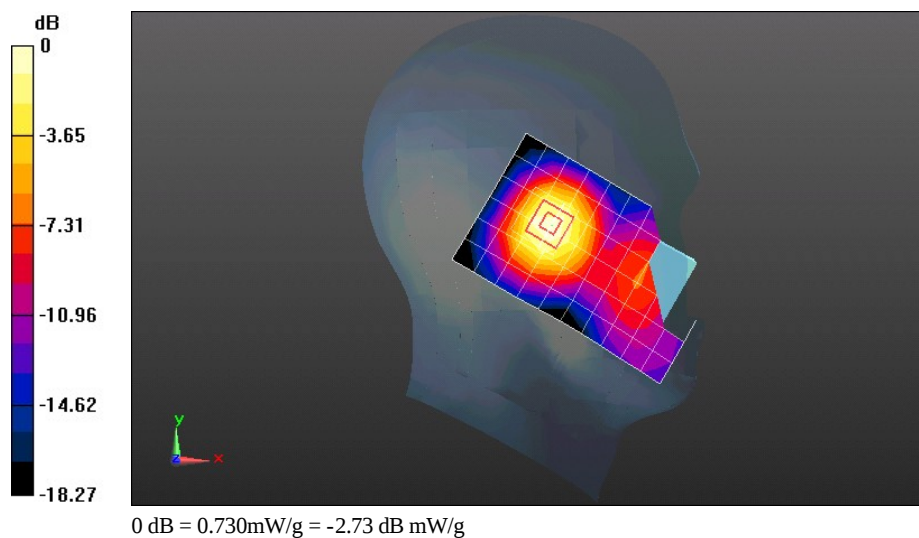
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.344 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.0580

SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.409 mW/g

Maximum value of SAR (measured) = 0.735 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9262CH Left Hand tilt 15 degree

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 38.367$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1); Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.701 mW/g

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

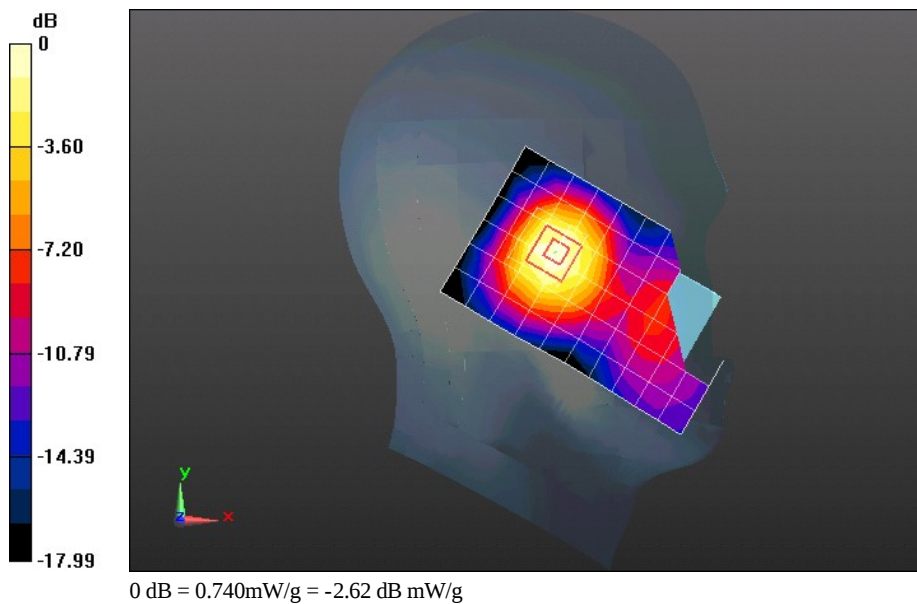
Reference Value = 13.107 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.0310

SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.416 mW/g

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

Maximum value of SAR (measured) = 0.740 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9538CH Right Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1907.6 MHz

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.444$ mho/m; $\epsilon_r = 38.328$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.942 mW/g

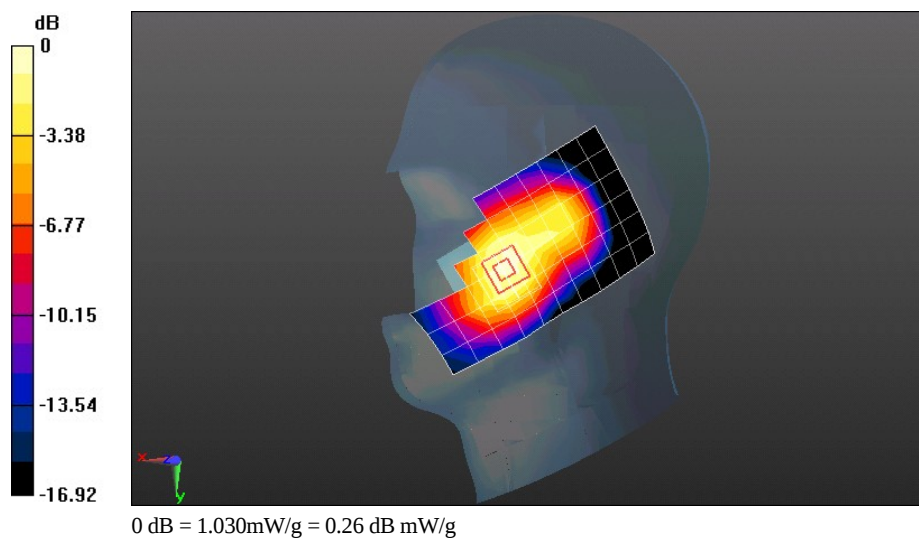
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.785 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.5930

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.570 mW/g

Maximum value of SAR (measured) = 1.032 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9262CH Right Hand Touch Cheek

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 38.367$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1); Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.877 mW/g

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

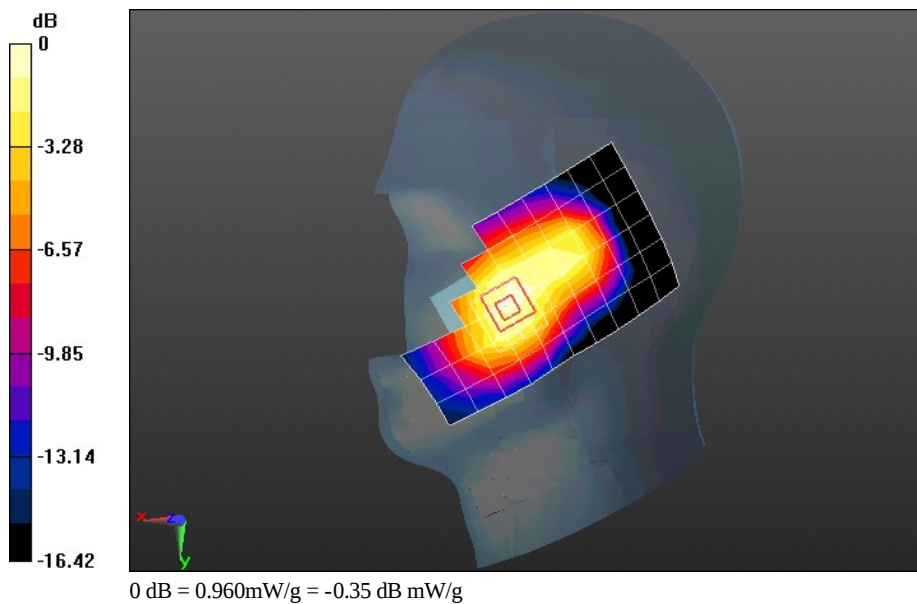
Reference Value = 8.007 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.4320

SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.531 mW/g

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

Maximum value of SAR (measured) = 0.956 mW/g



D51-5 WCDMA1900 9400CH Left Hand Touch Cheek with battery SN-UNDB922XE3937369

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

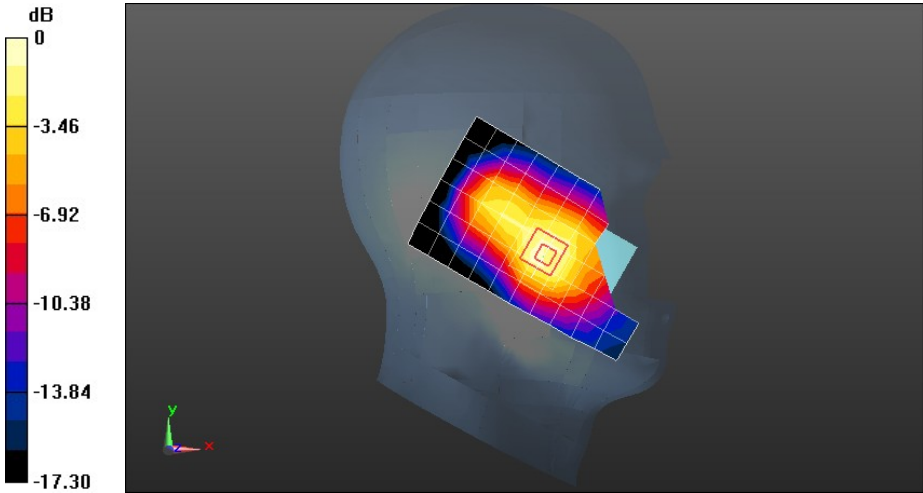
Communication System: HW-UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.408 \text{ mho/m}$; $\epsilon_r = 38.277$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.929 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 13.613 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.6410
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.619 mW/g
Maximum value of SAR (measured) = 1.139 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9400CH Towards Phantom 15mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.506 mW/g

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

Reference Value = 9.826 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.7340

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.519 mW/g

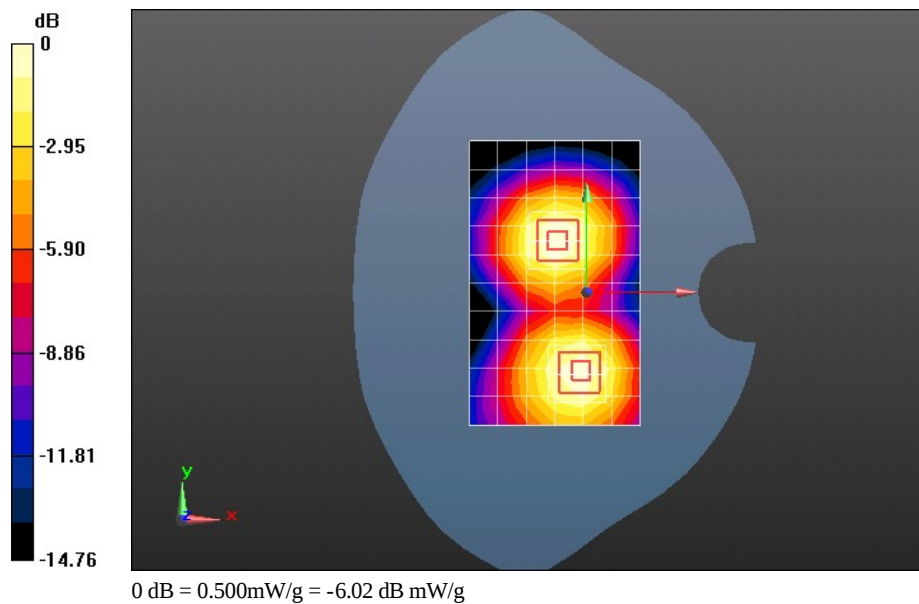
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.826 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.7660

SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.503 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9400CH Towards Ground 15mm

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.644 mW/g

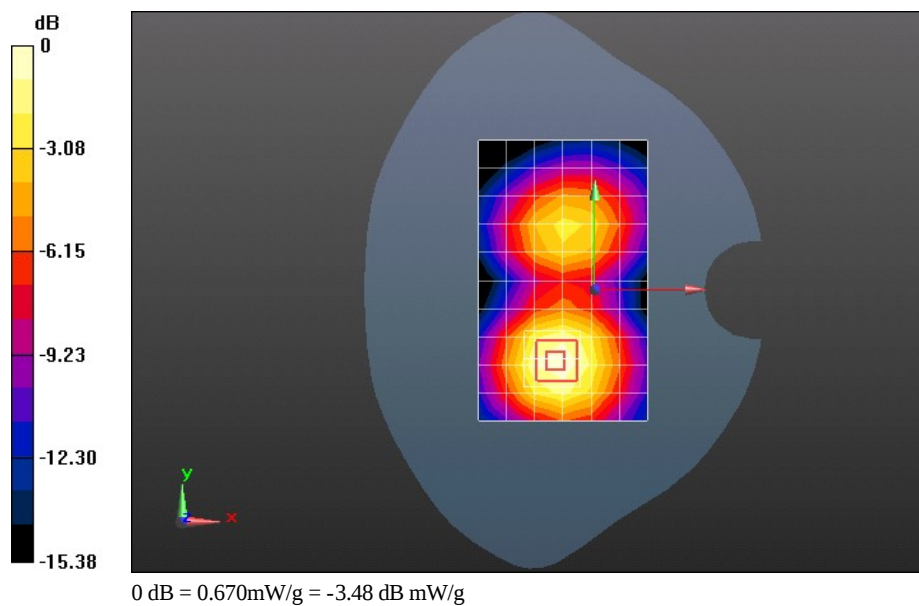
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.492 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.0180

SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.369 mW/g

Maximum value of SAR (measured) = 0.671 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9400CH Towards Ground 15mm with HSDPA

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.614 mW/g

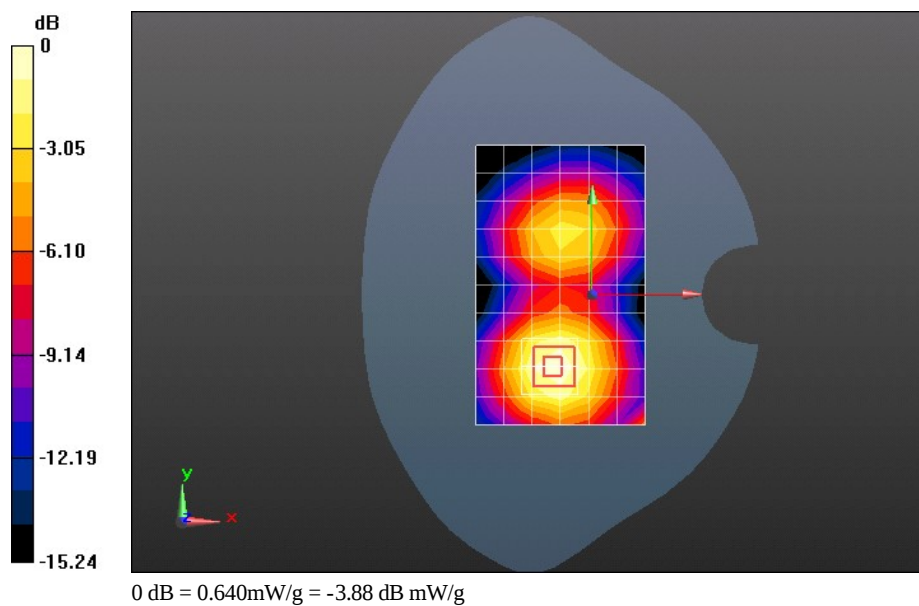
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.348 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.9680

SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.354 mW/g

Maximum value of SAR (measured) = 0.637 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9400CH Towards Ground 15mm with Headset

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.590 mW/g

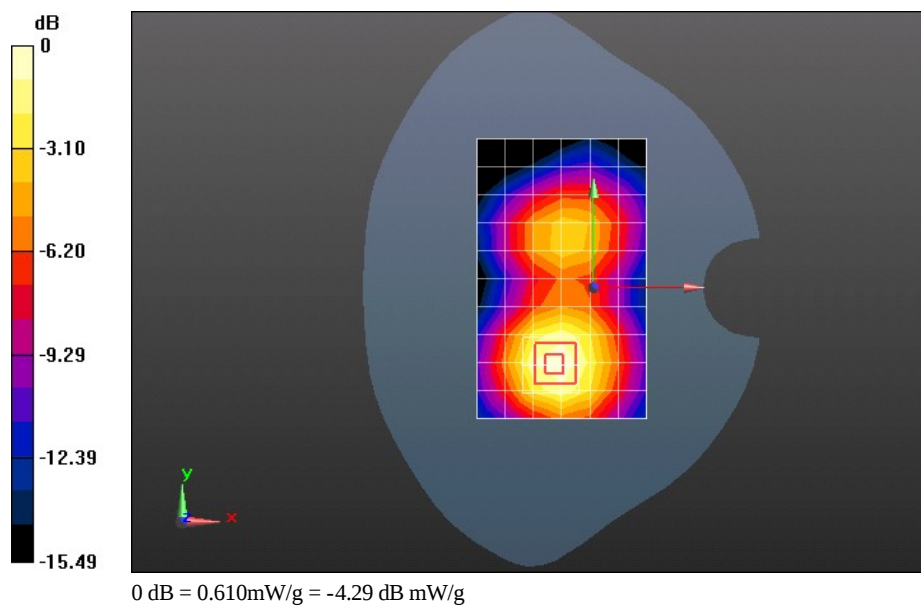
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.563 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.9500

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.335 mW/g

Maximum value of SAR (measured) = 0.614 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-5 WCDMA1900 9400CH Towards Ground 15mm with battery SN-UNDB922XE3937369

DUT: D51-5; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: L2P2B11162200196

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP:1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.691 mW/g

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

Reference Value = 8.418 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.0770

SAR(1 g) = 0.653 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 0.702 mW/g

