



Appendix B. SAR Measurement Plots

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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: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 42.001$; $\rho = 1000$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.751 mW/g

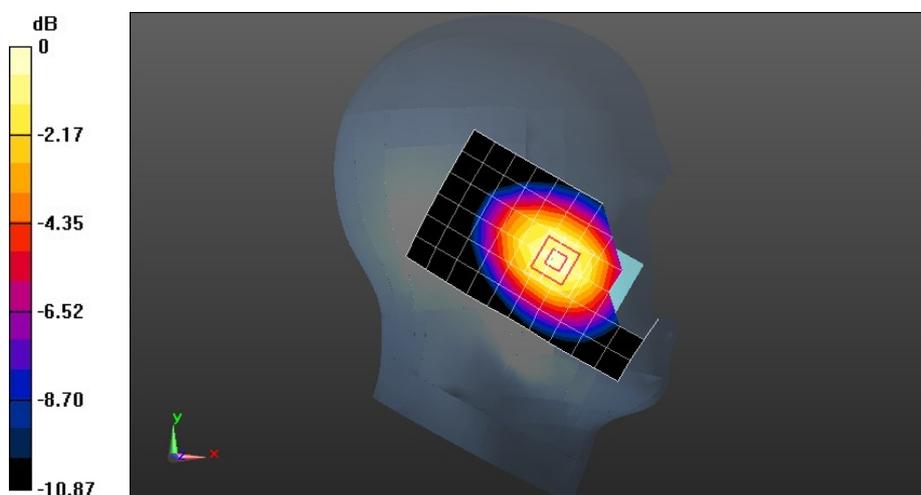
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.976 V/m; Power Drift = -0.06 dB

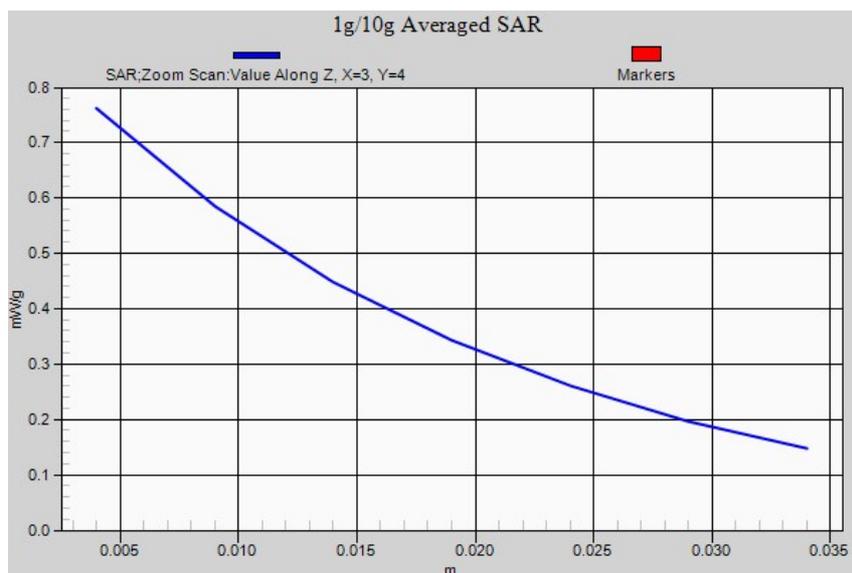
Peak SAR (extrapolated) = 0.9390

SAR(1 g) = 0.716 mW/g; SAR(10 g) = 0.510 mW/g

Maximum value of SAR (measured) = 0.761 mW/g



0 dB = 0.760mW/g = -2.38 dB 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: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 42.001$; $\rho = 1000$ 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

Maximum value of SAR (measured) = 0.380 mW/g

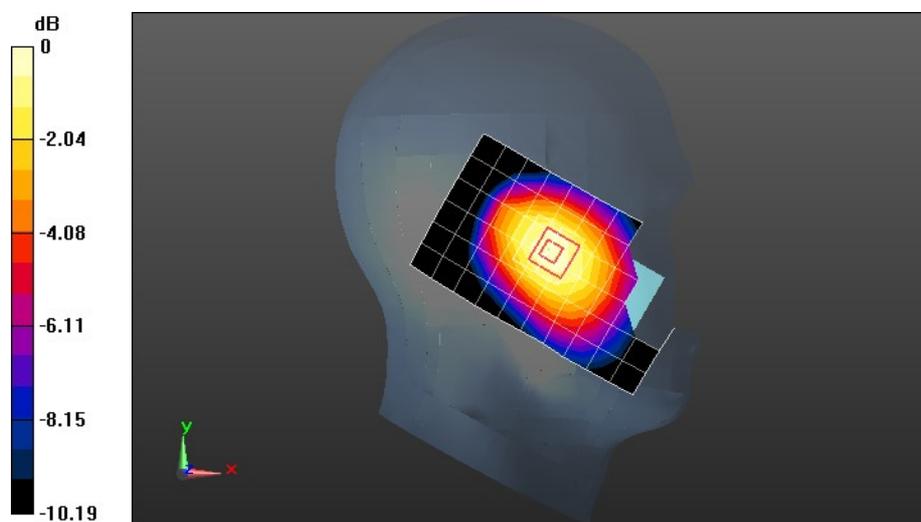
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



0 dB = 0.400mW/g = -7.96 dB mW/g

D51-5 GSM850 190CH Right Hand Touch Check**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

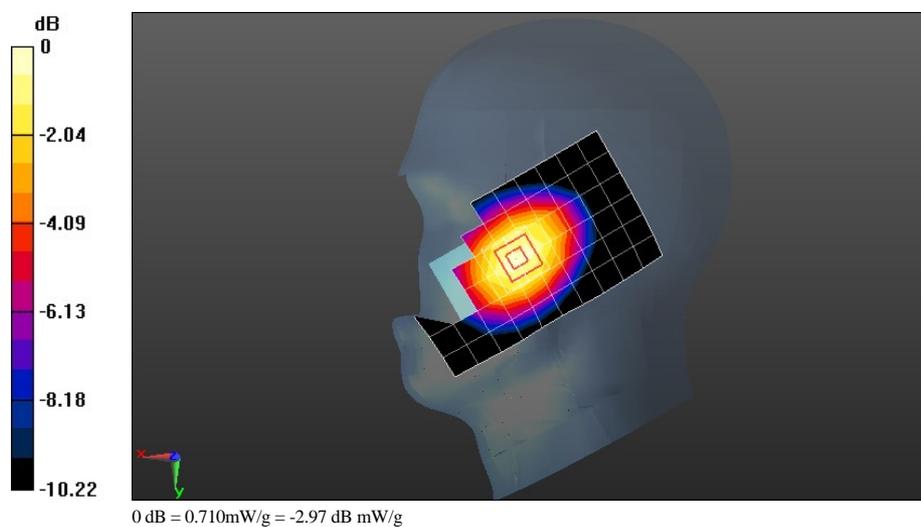
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

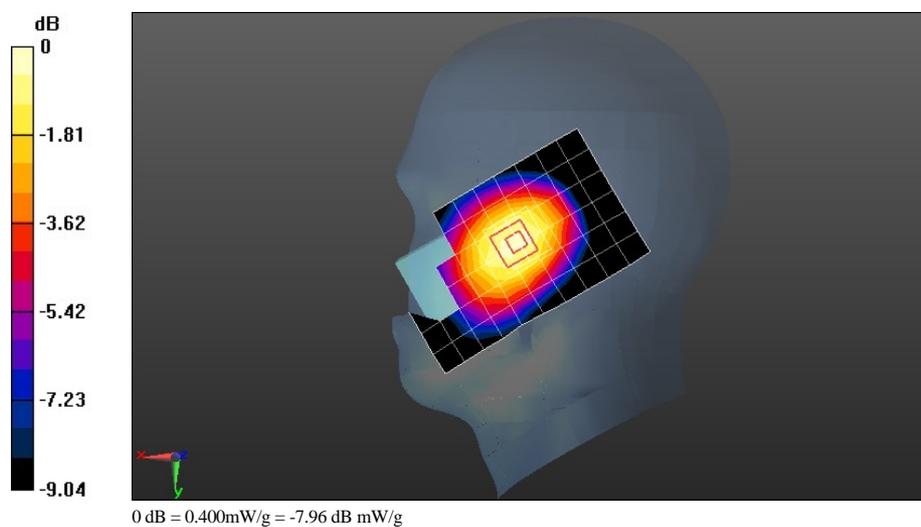
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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 Check 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: $f = 837$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 42.001$; $\rho = 1000$ 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)

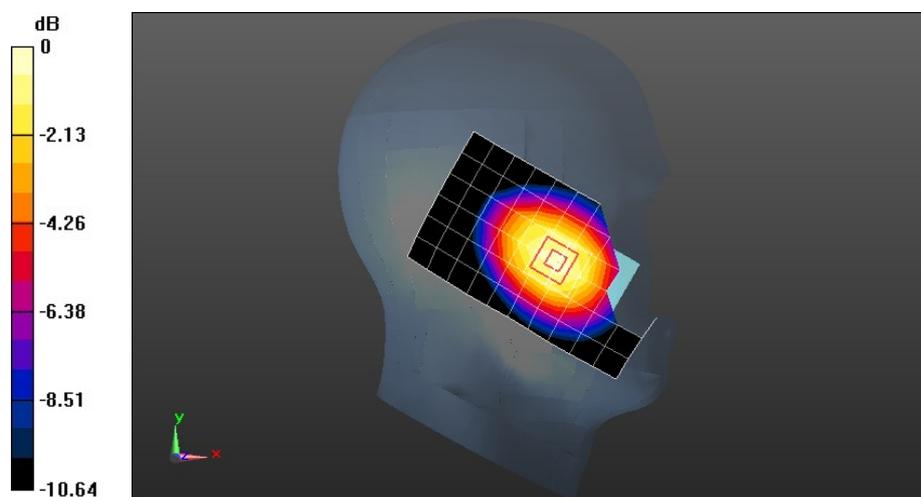
Configuration/Head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.742 mW/g

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

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: DASYS (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

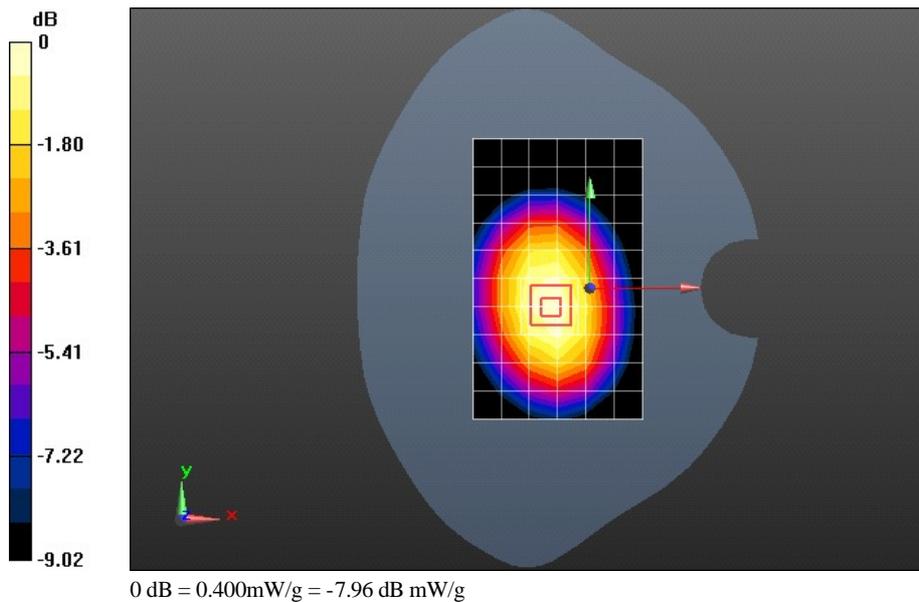
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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: DASYS (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

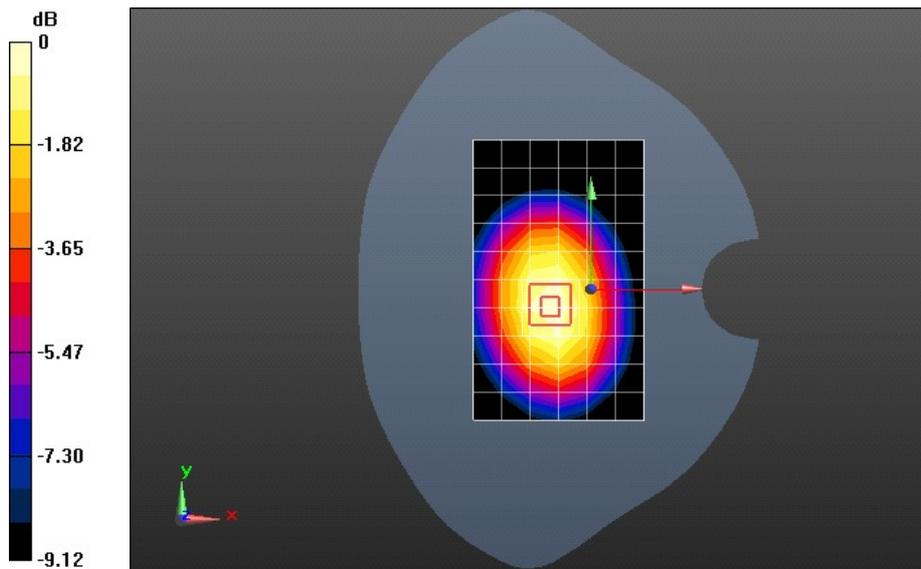
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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: DASYS (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

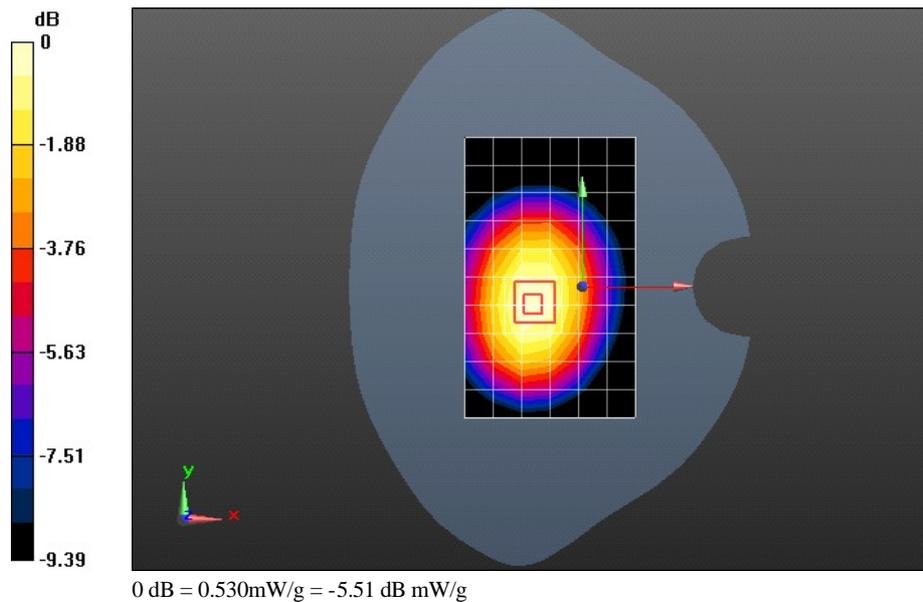
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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: DASYS (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

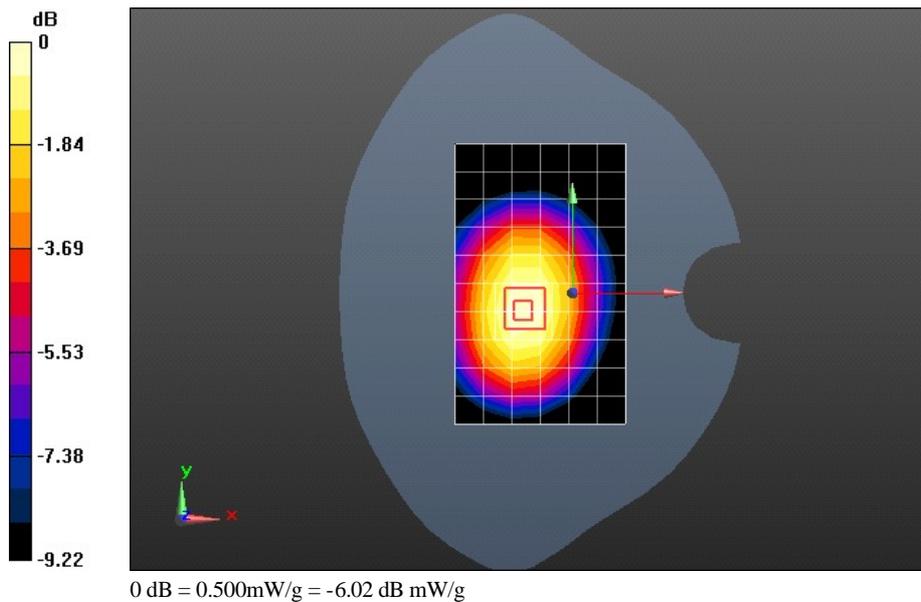
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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: $dx=15$ mm, $dy=15$ mm

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

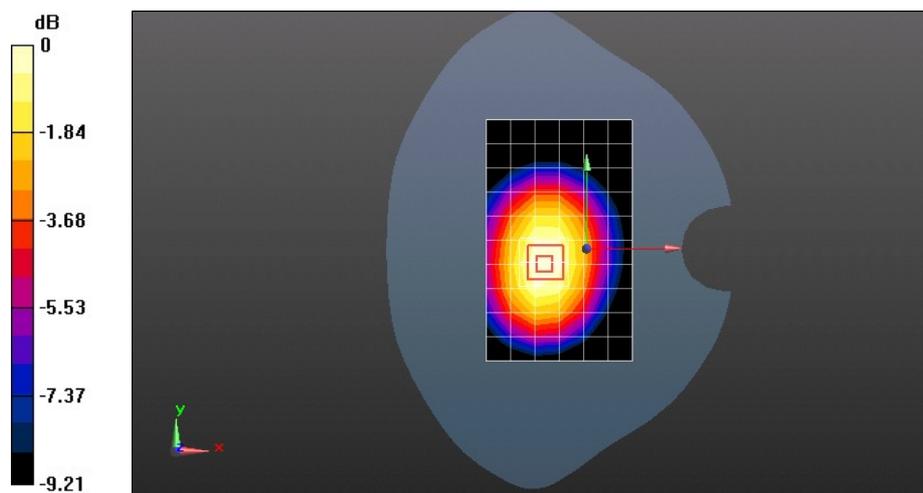
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

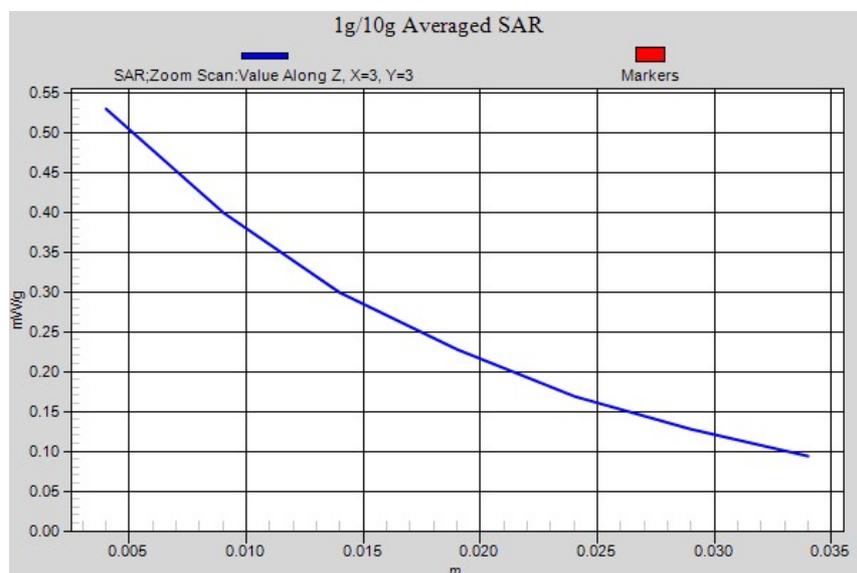
Peak SAR (extrapolated) = 0.6500

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

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



0 dB = 0.530mW/g = -5.51 dB 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: DASYS (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

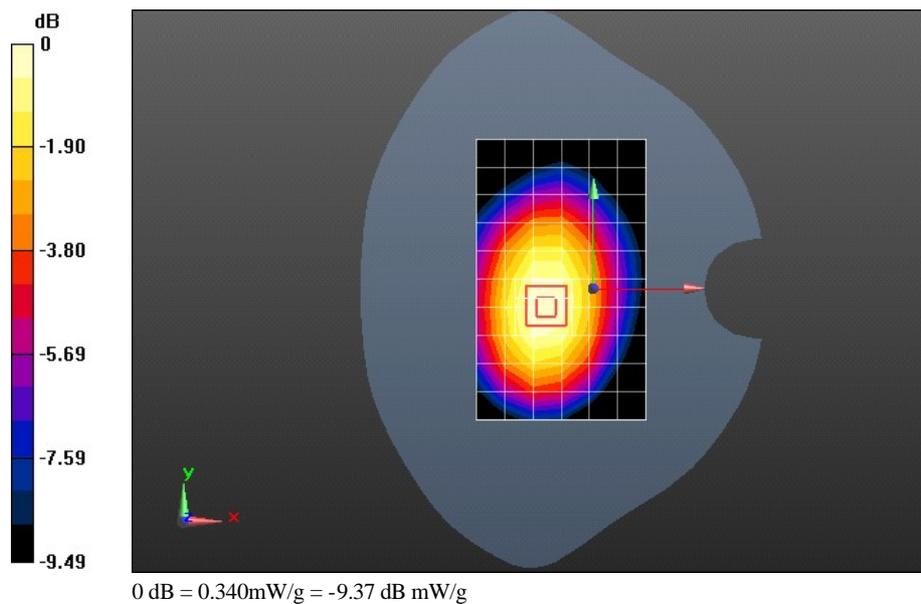
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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: DASYS (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

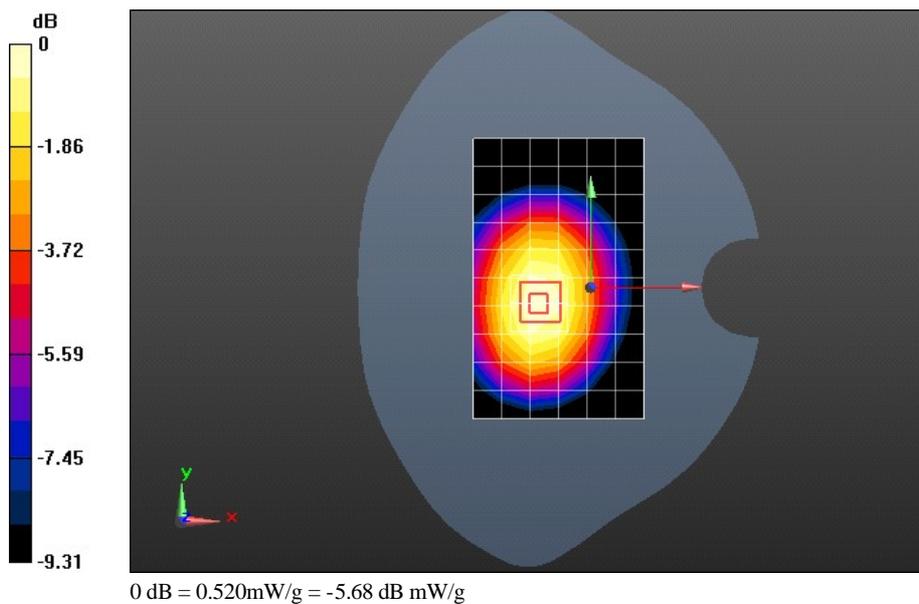
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

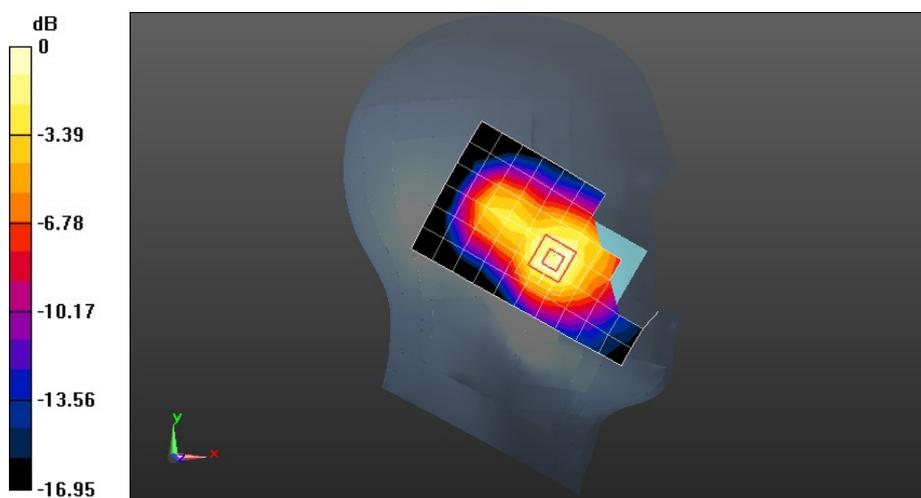
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 38.277$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY Configuration:

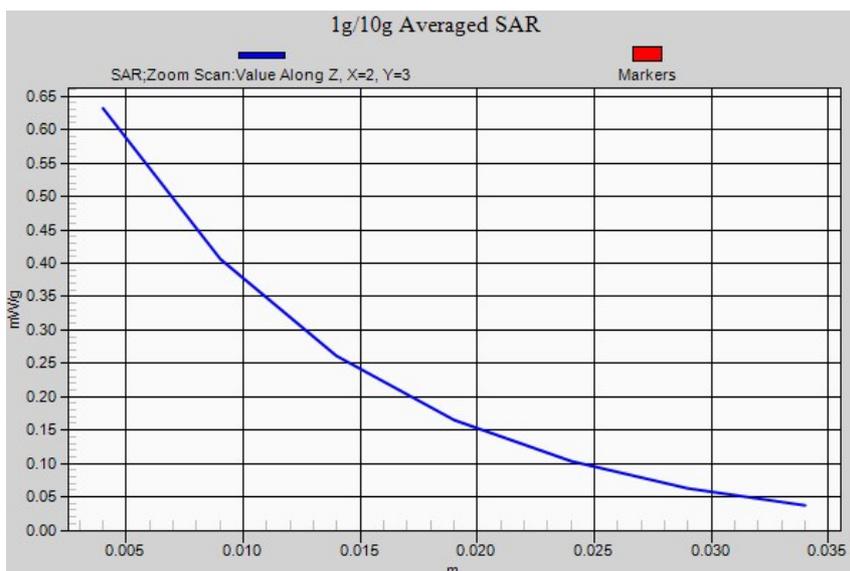
- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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



0 dB = 0.630mW/g = -4.01 dB 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: $f = 1880$ 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=15mm, dy=15mm

Maximum value of SAR (measured) = 0.371 mW/g

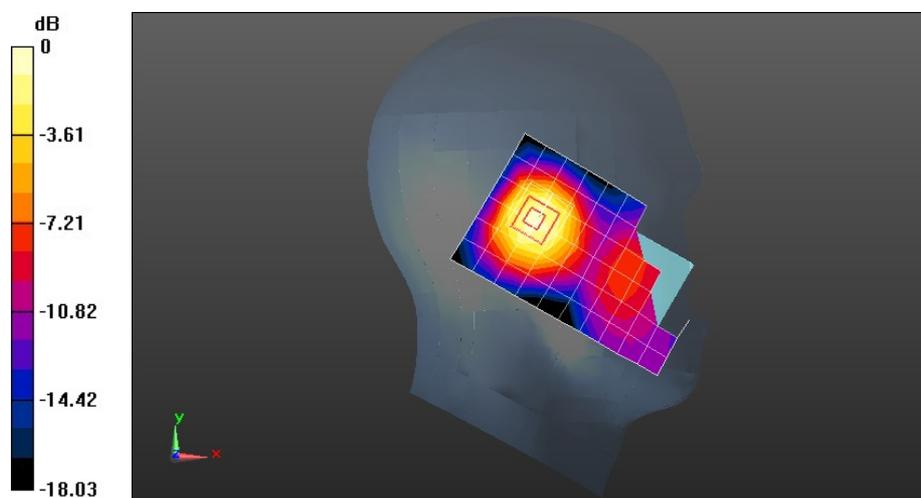
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



0 dB = 0.380mW/g = -8.40 dB mW/g

D51-5 GSM1900 661CH Right Hand Touch Check**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) = 0.513 mW/g

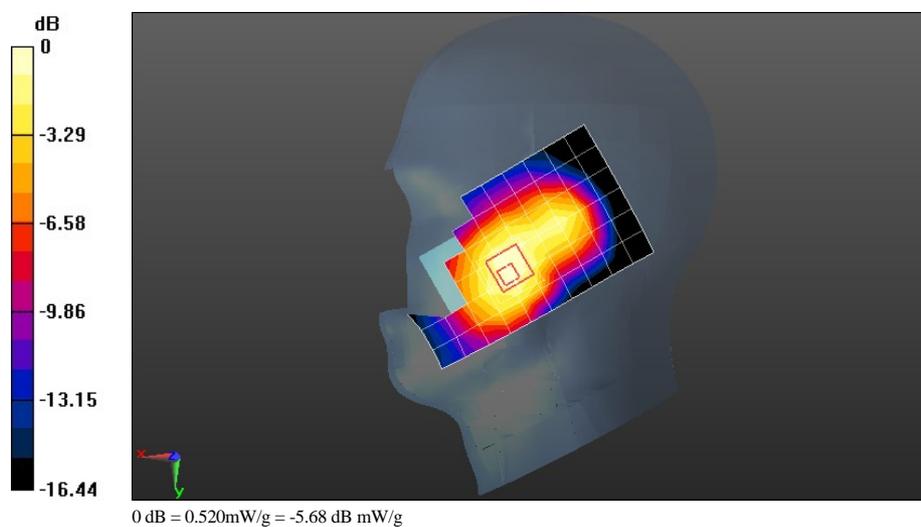
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

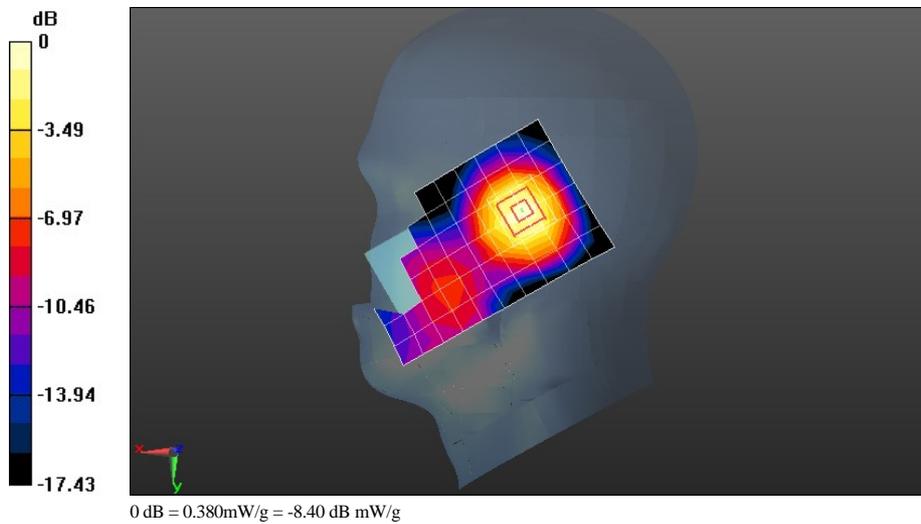
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

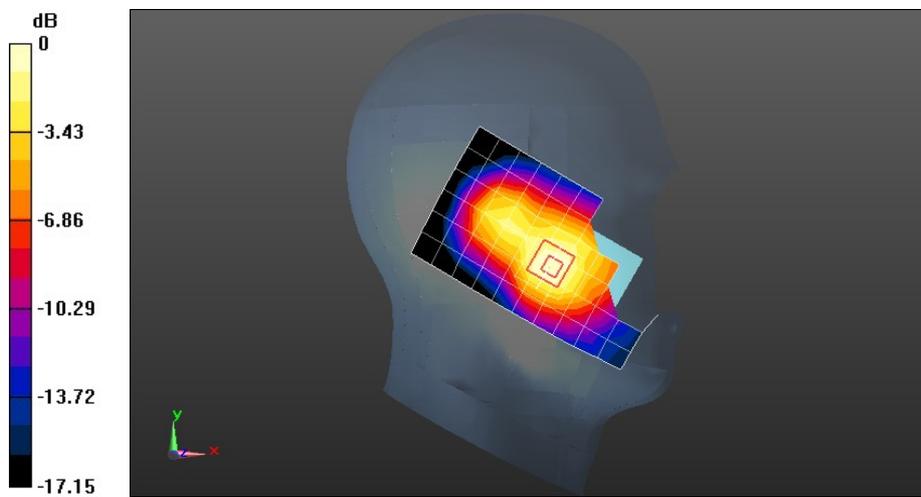
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 0.560mW/g = -5.04 dB 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

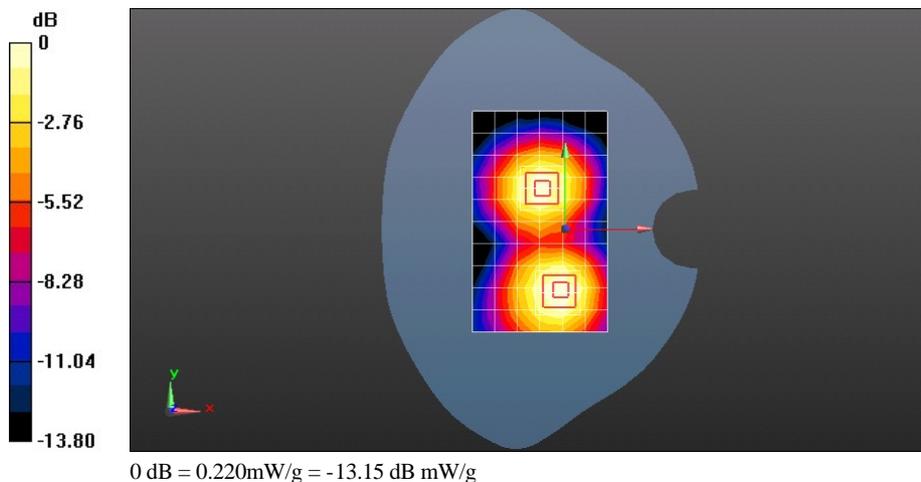
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

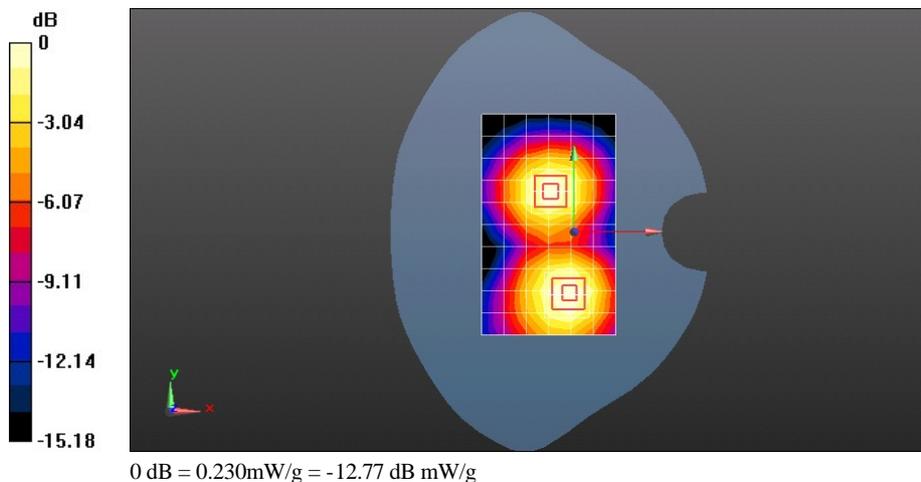
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

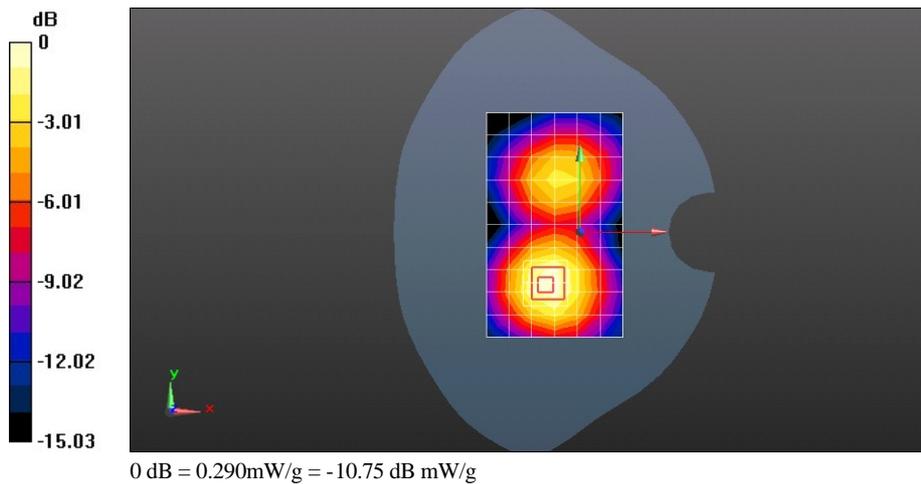
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

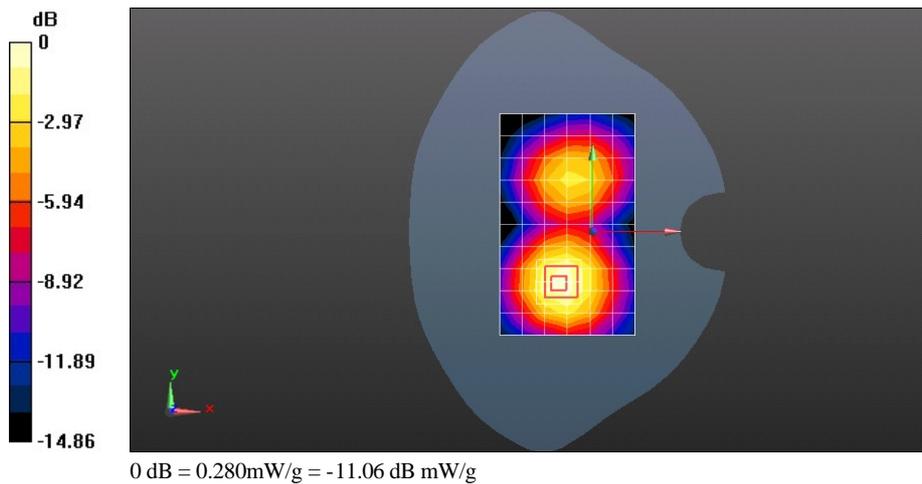
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

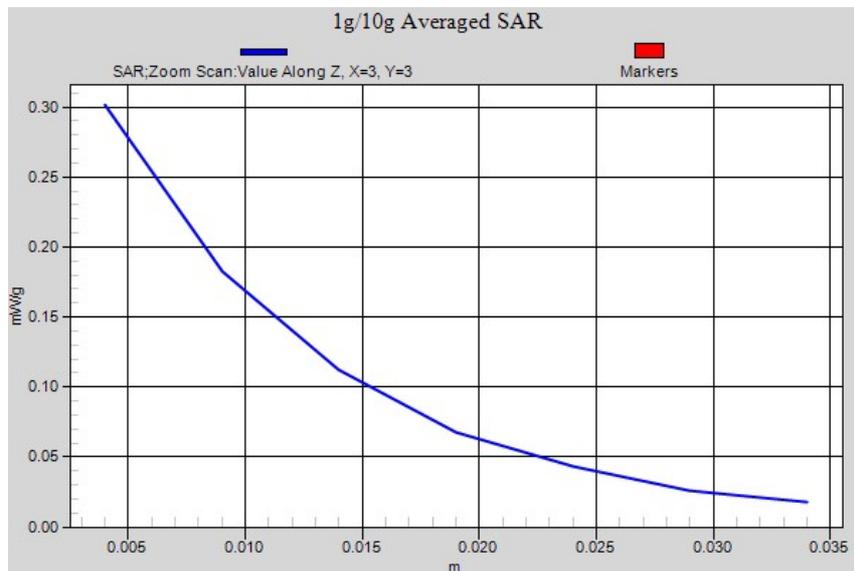
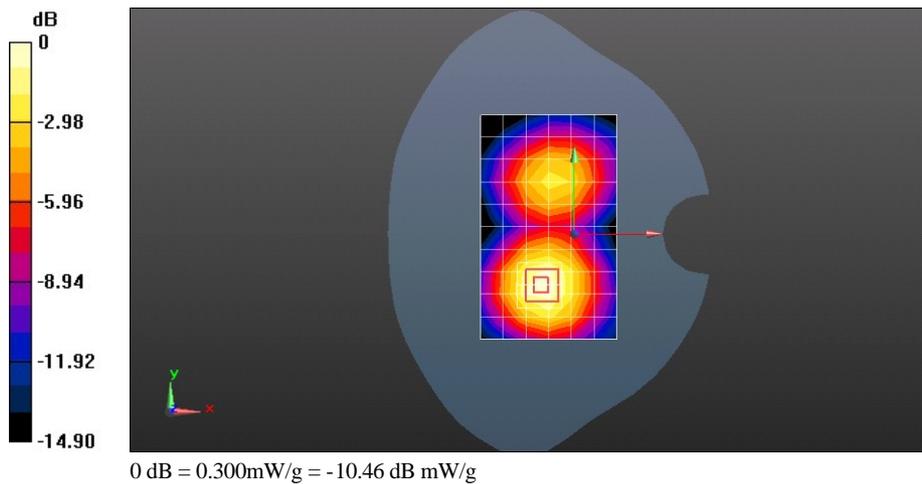
Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

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

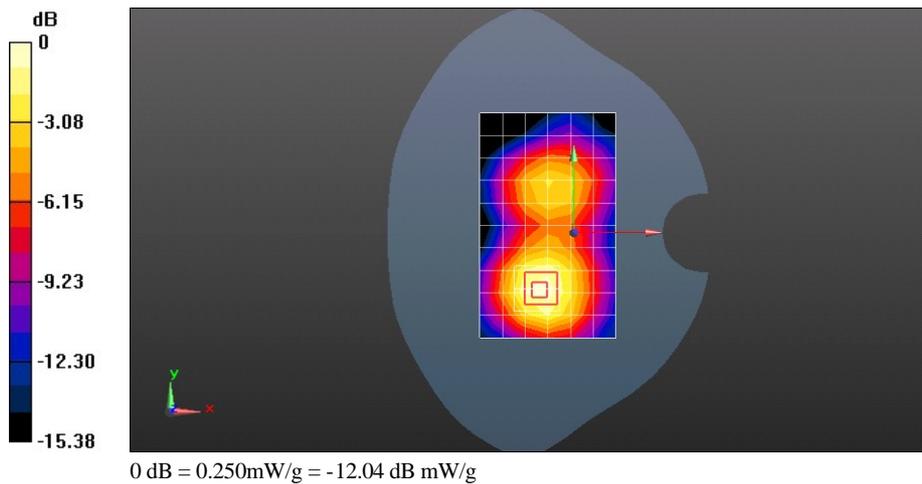
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

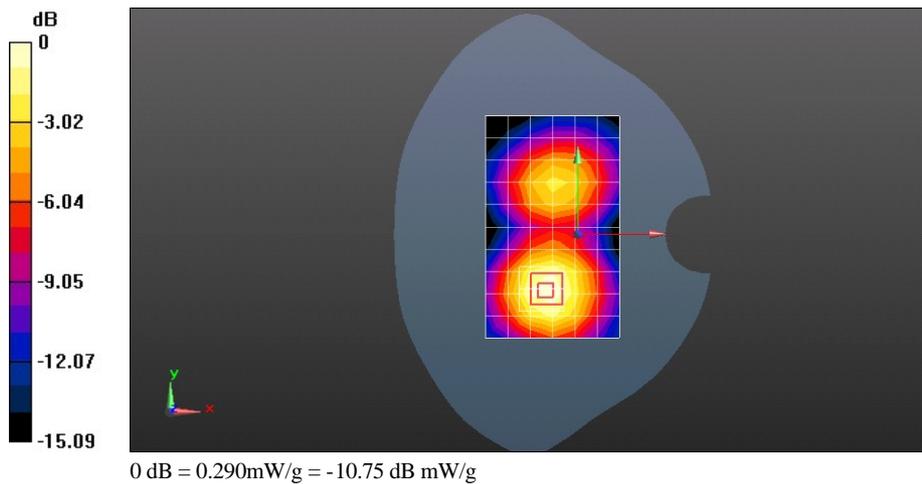
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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 Check**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) = 0.678 mW/g

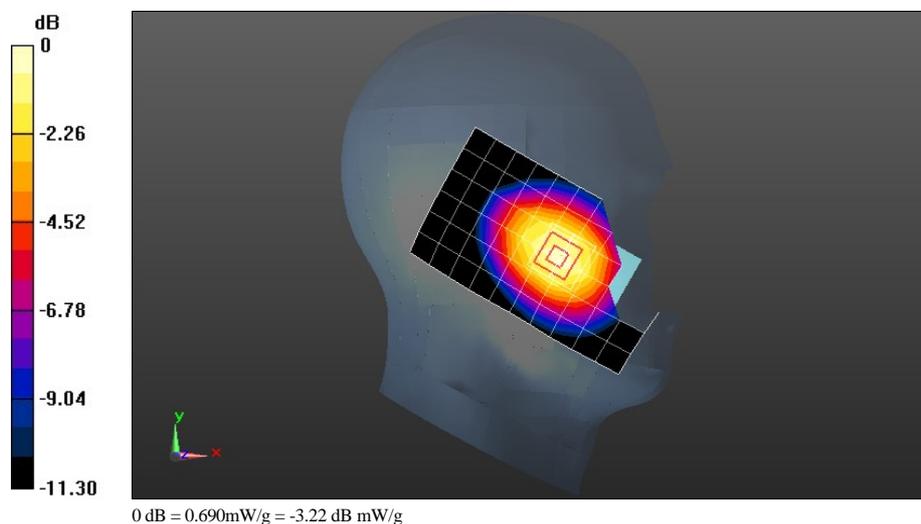
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

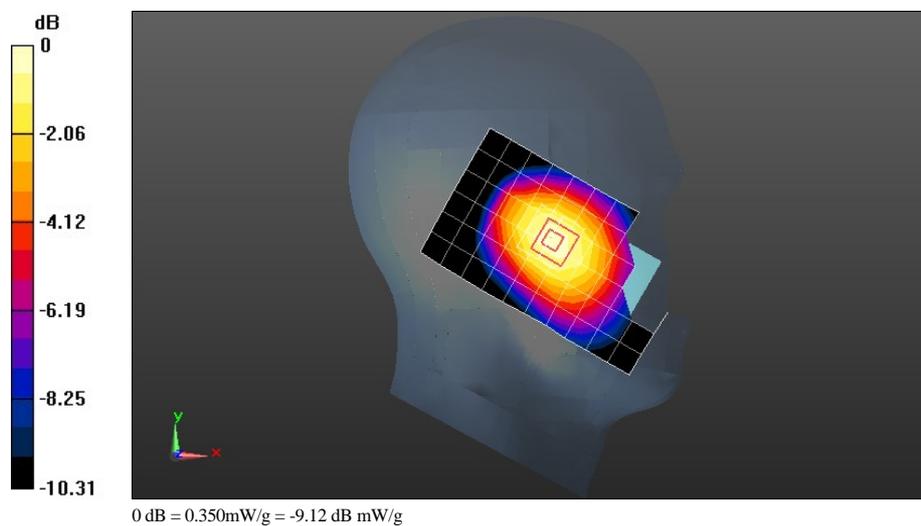
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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): $f = 836.4$ 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=15mm, dy=15mm**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.654 mW/g

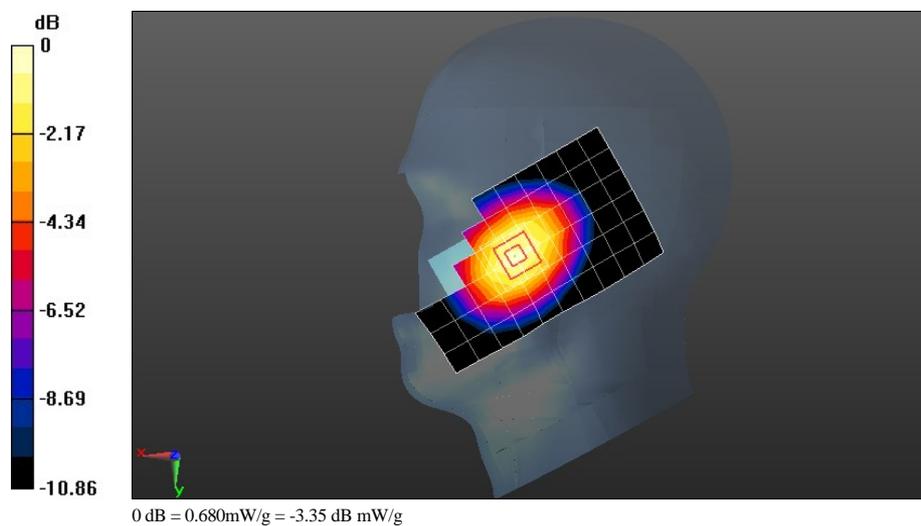
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

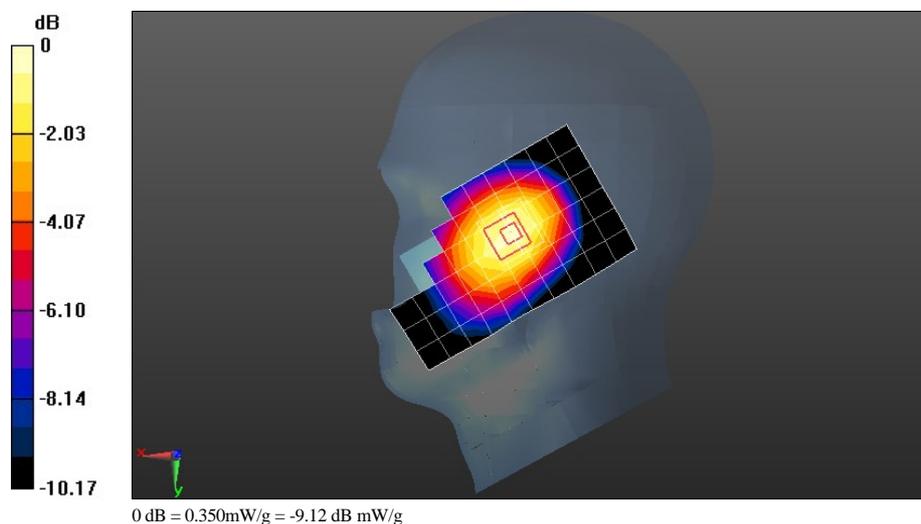
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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): $f = 836.4$ 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)

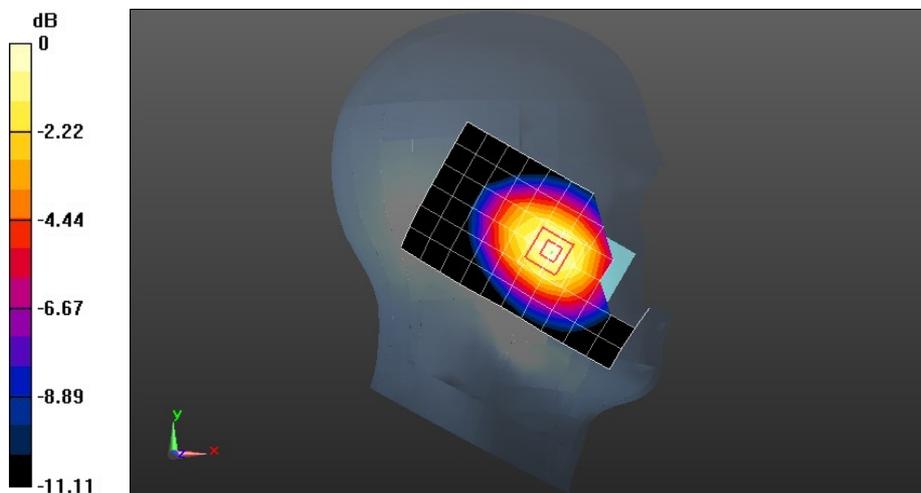
Configuration/Head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

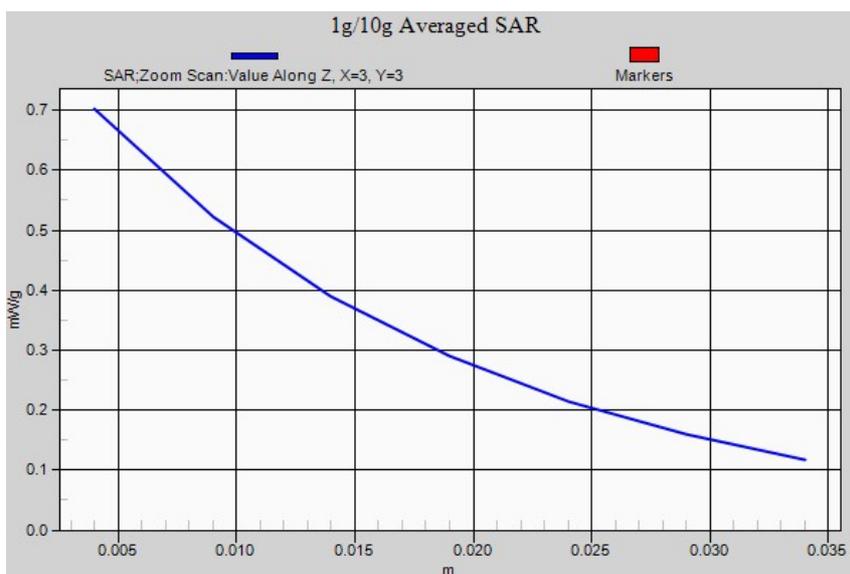
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



0 dB = 0.700mW/g = -3.10 dB 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

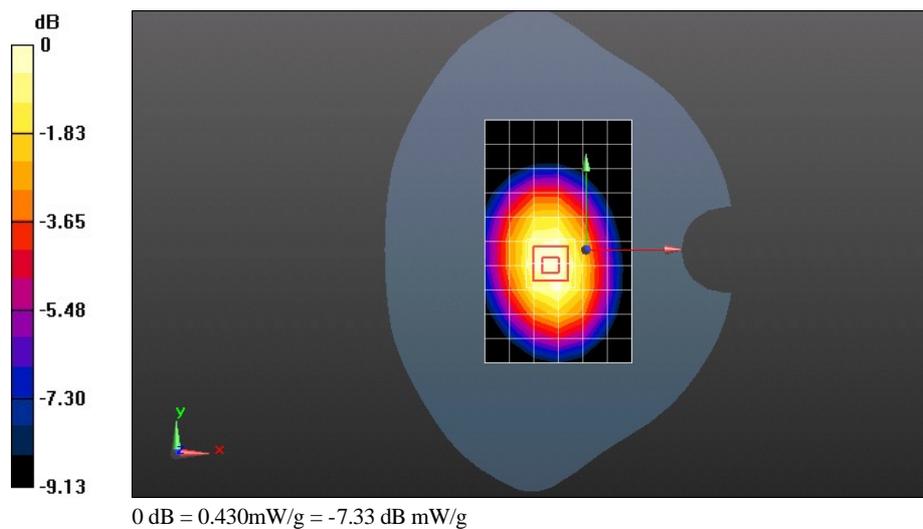
Reference Value = 20.892 V/m; Power Drift = -0.05 dB

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

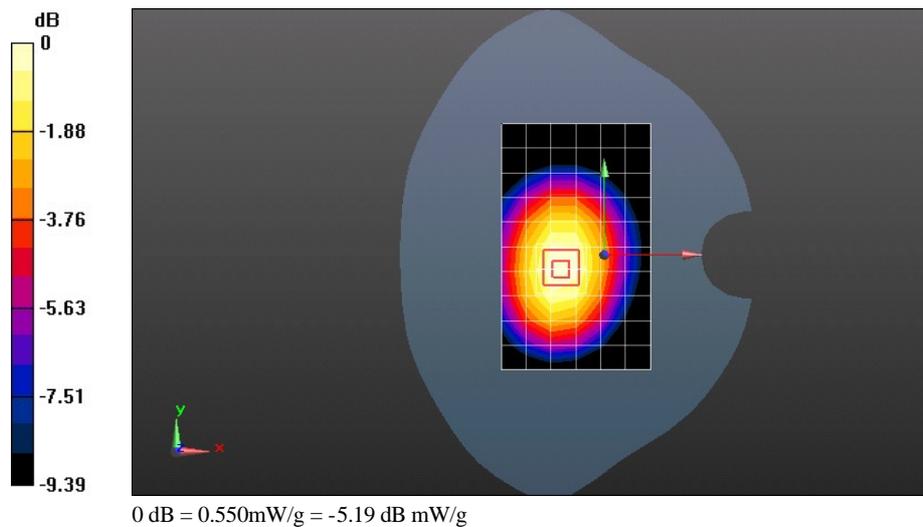
Reference Value = 23.110 V/m; Power Drift = 0.0034 dB

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

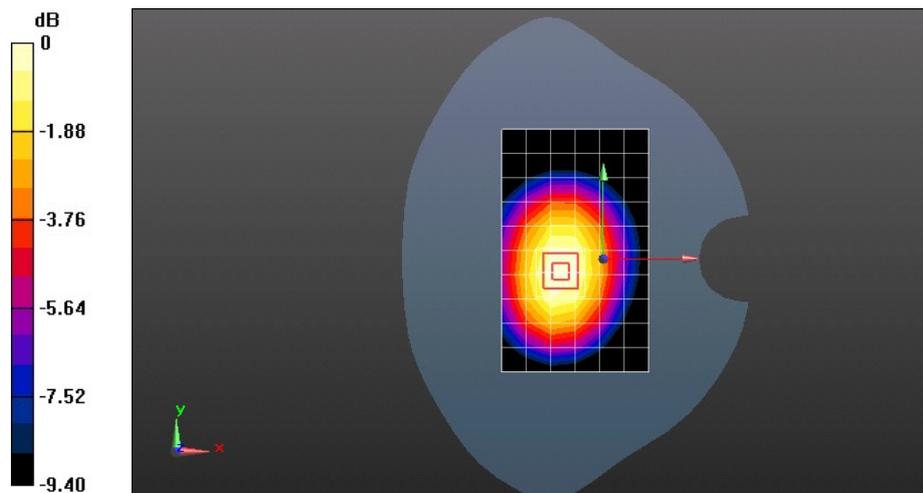
Reference Value = 22.762 V/m; Power Drift = 0.06 dB

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



0 dB = 0.540mW/g = -5.35 dB 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

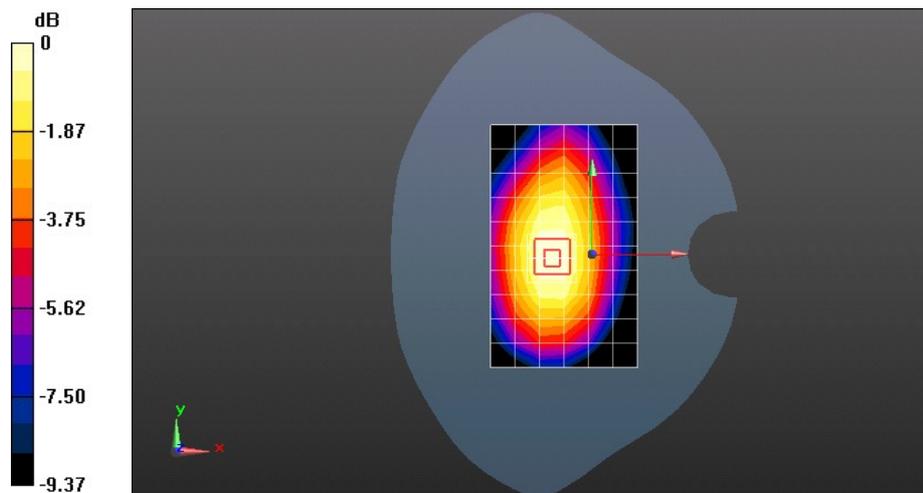
Reference Value = 15.535 V/m; Power Drift = -0.06 dB

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



0 dB = 0.240mW/g = -12.40 dB 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

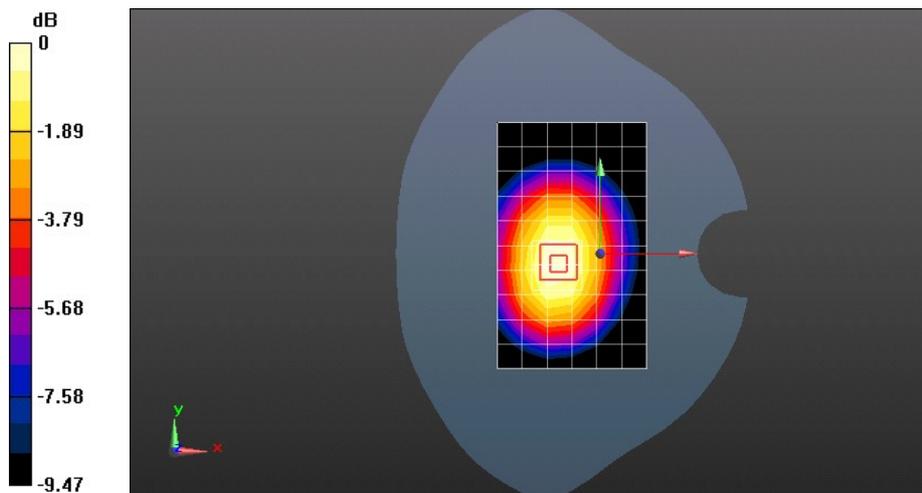
Reference Value = 23.235 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.6910

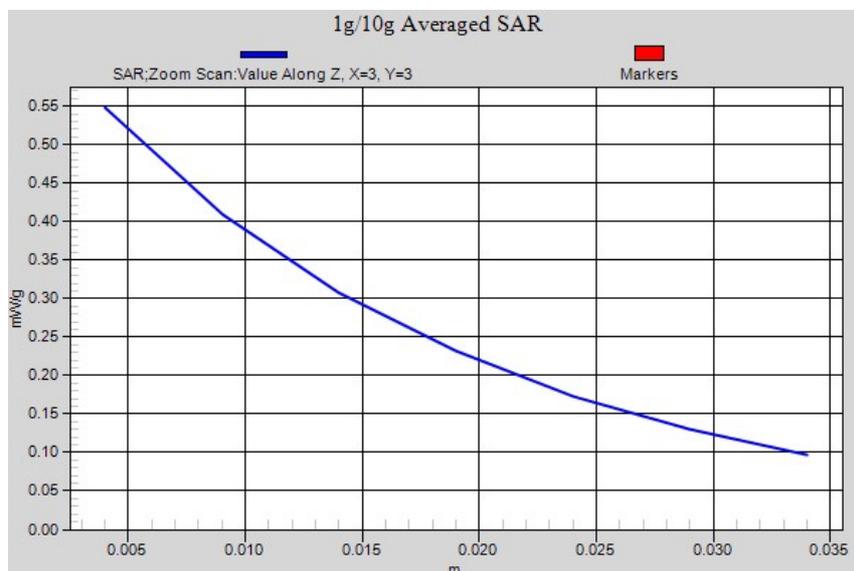
SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.375 mW/g

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

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



0 dB = 0.550mW/g = -5.19 dB 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

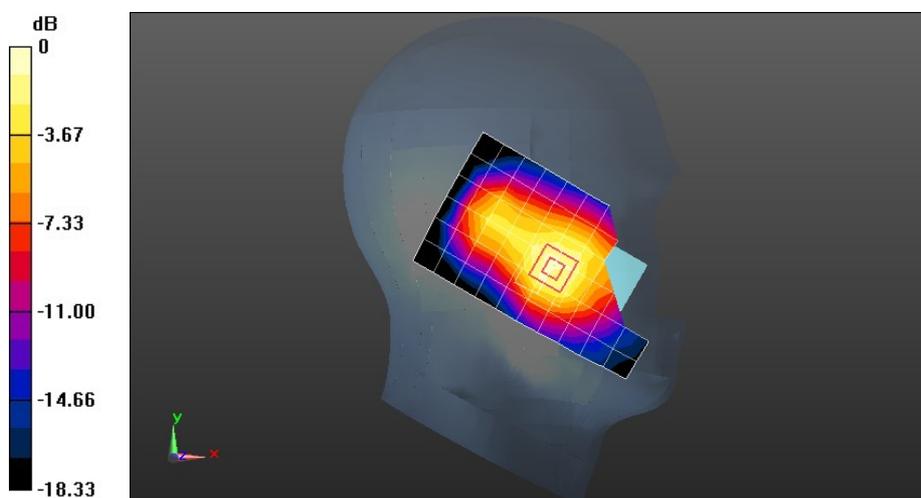
Communication System: HW-UMTS-FDD; Frequency: 1880 MHz
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 38.277$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY Configuration:

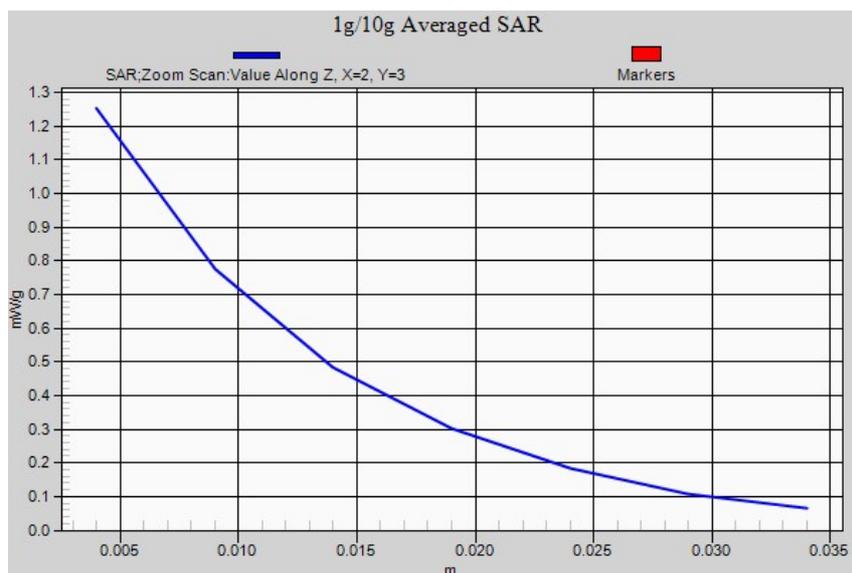
- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 2011-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2011-11-16
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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



0 dB = 1.250mW/g = 1.94 dB 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: $f = 1880$ 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=15mm, dy=15mm

Maximum value of SAR (measured) = 0.939 mW/g

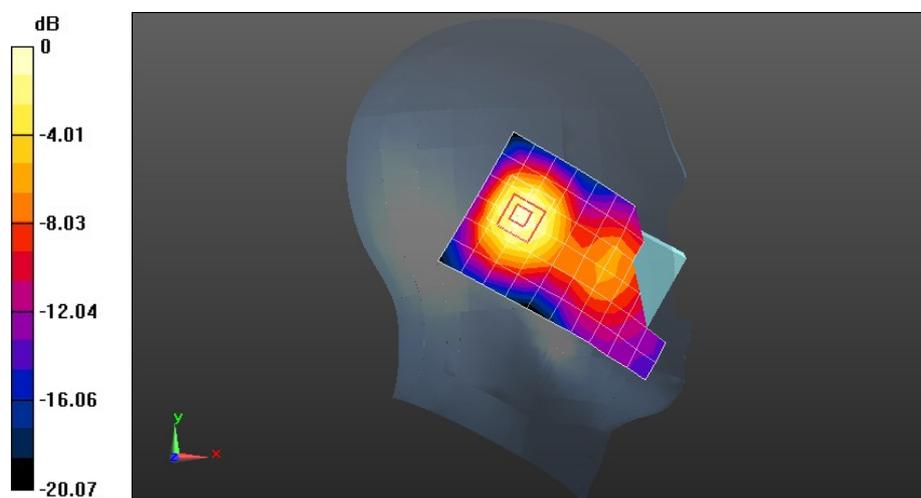
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



0 dB = 0.950mW/g = -0.45 dB 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: $f = 1880$ 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), $z = -29.0, 31.0$
- 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.041 mW/g

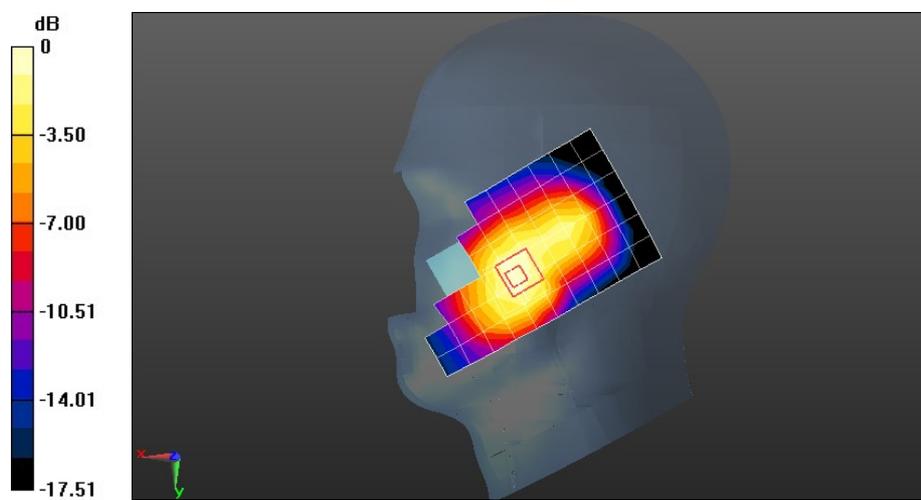
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 1.070mW/g = 0.59 dB 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: $f = 1880$ 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), $z = -29.0, 31.0$
- 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.820 mW/g

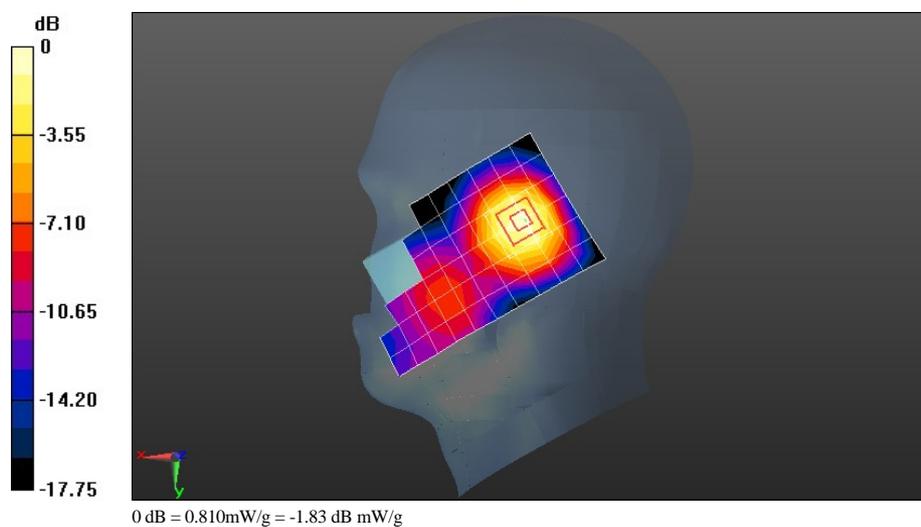
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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 Check

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

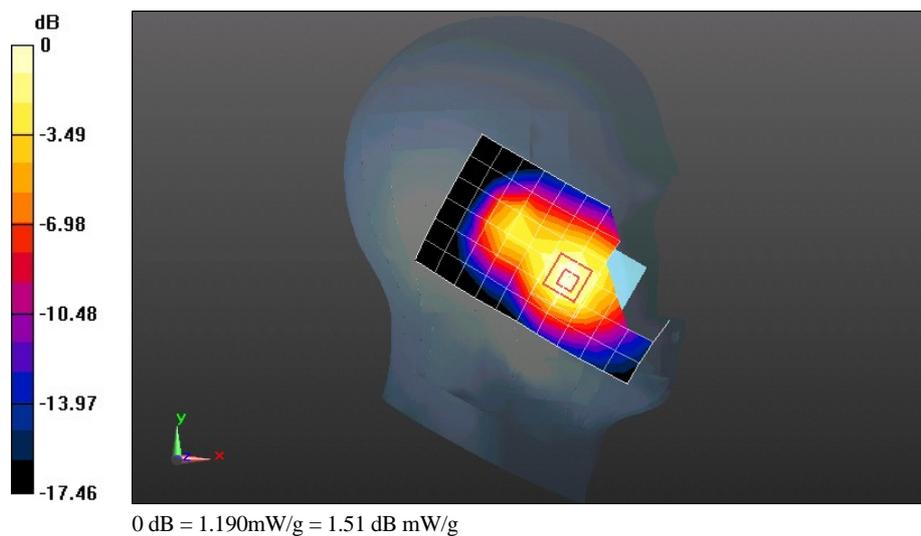
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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 Check

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

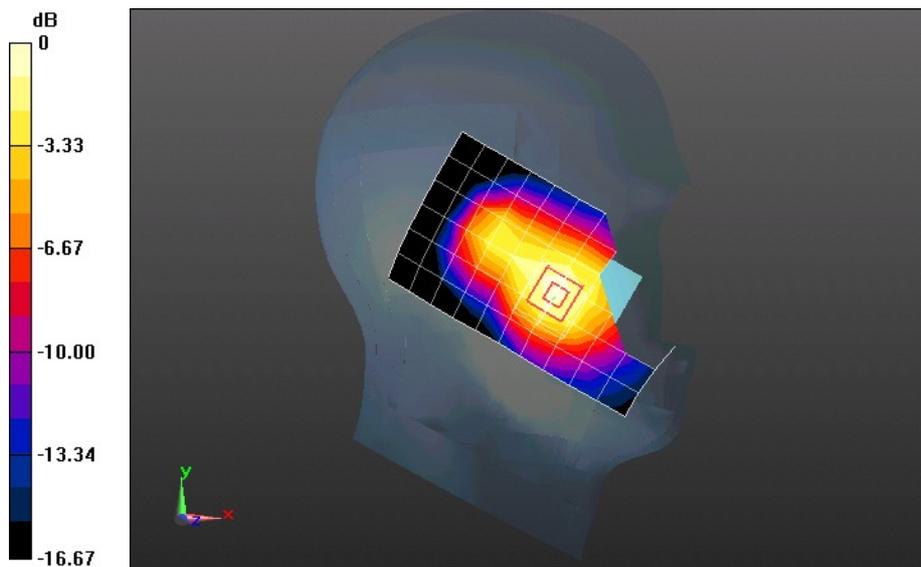
Reference Value = 7.229 V/m; Power Drift = 0.12 dB

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



0 dB = 1.100mW/g = 0.83 dB 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

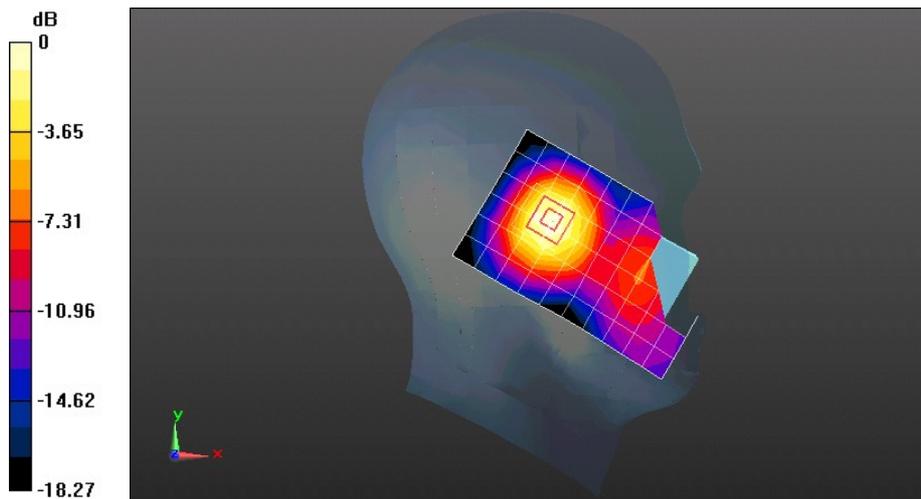
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 0.730mW/g = -2.73 dB 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

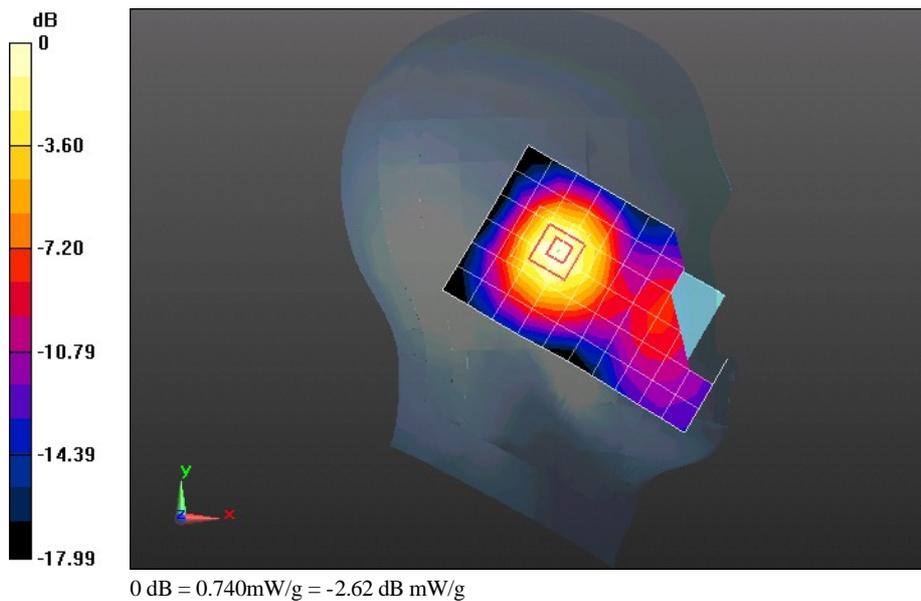
Reference Value = 13.107 V/m; Power Drift = 0.04 dB

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 Check

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

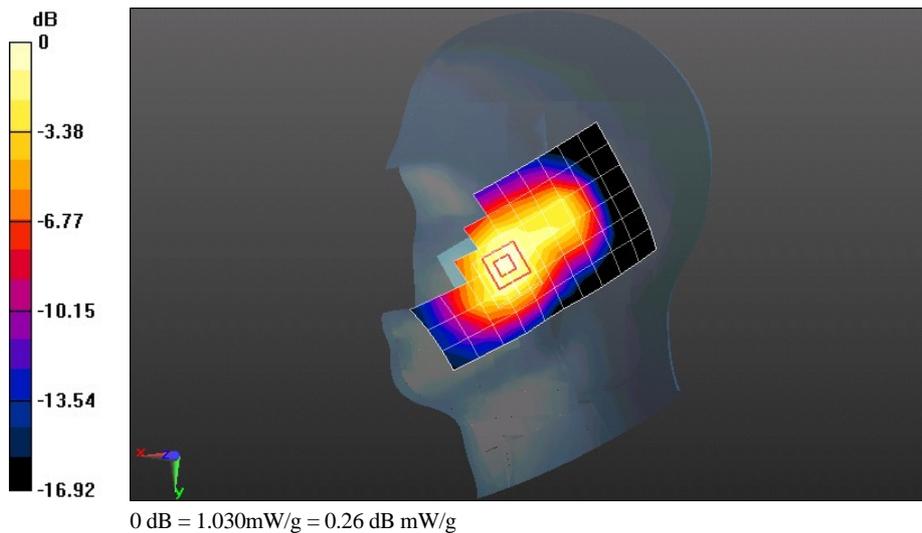
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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 Check

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

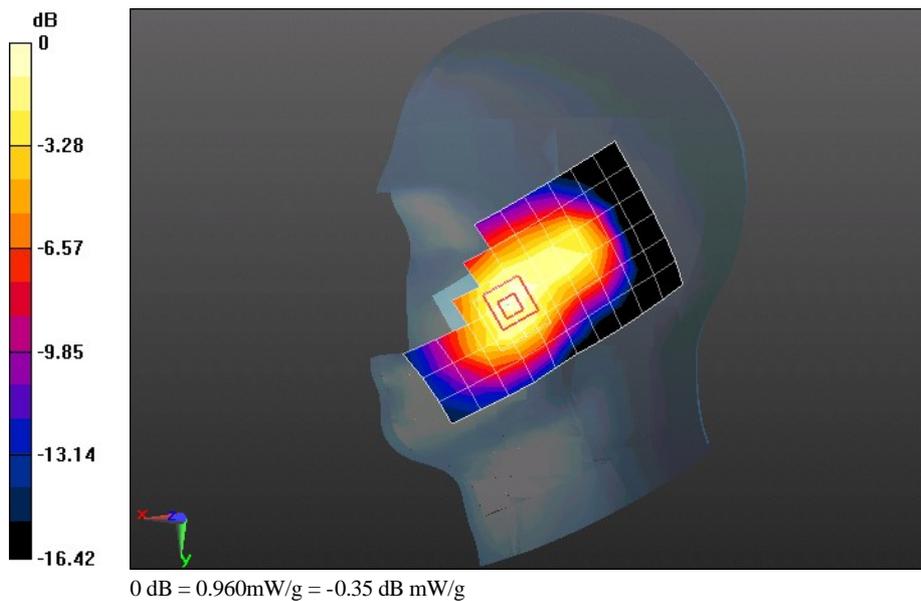
Reference Value = 8.007 V/m; Power Drift = 0.12 dB

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: $f = 1880$ 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) = 0.929 mW/g

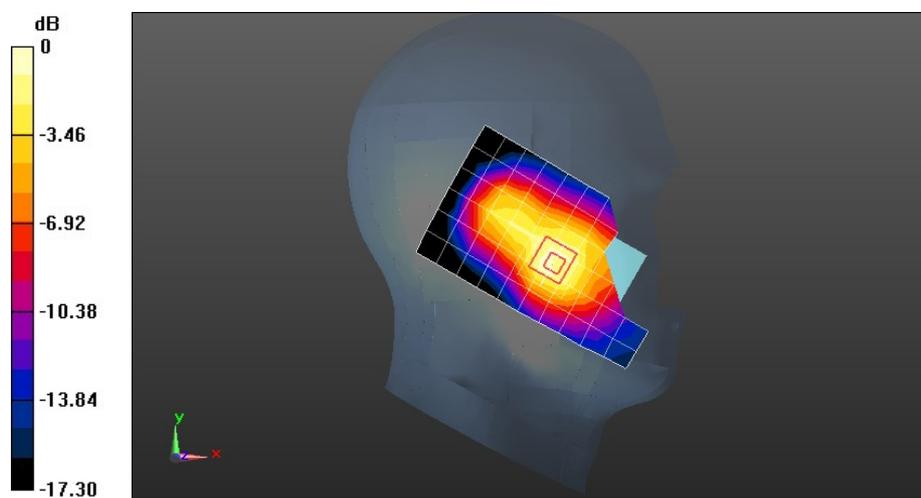
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 1.140mW/g = 1.14 dB 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

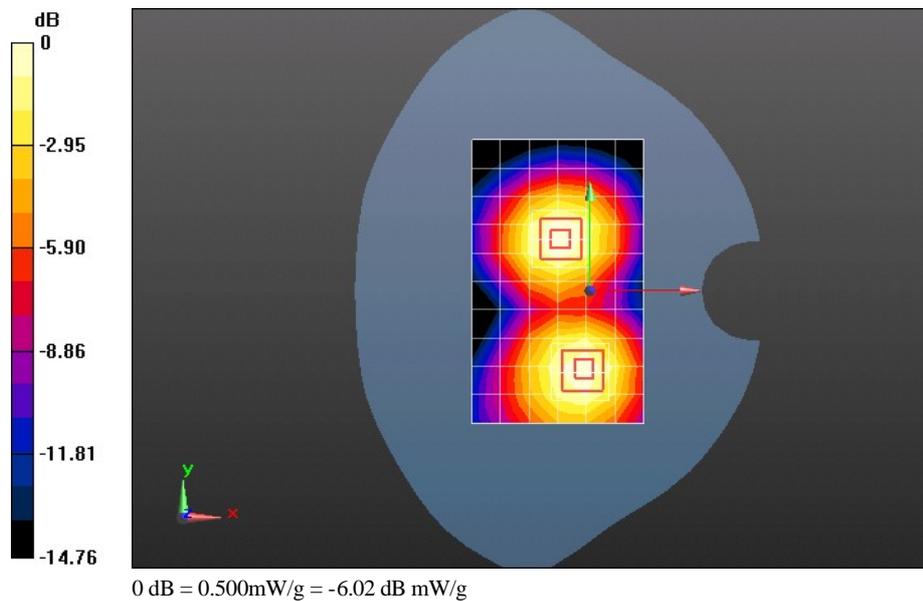
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

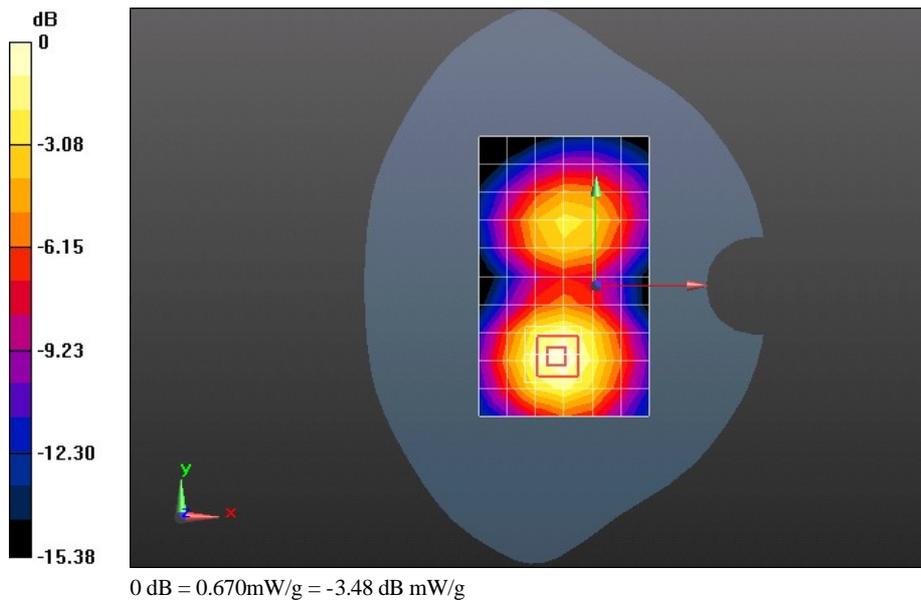
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

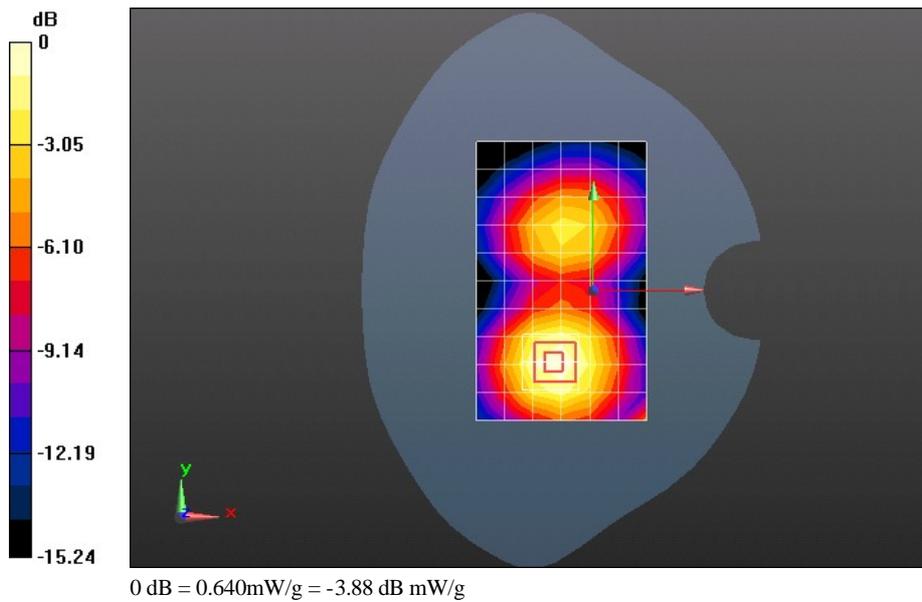
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

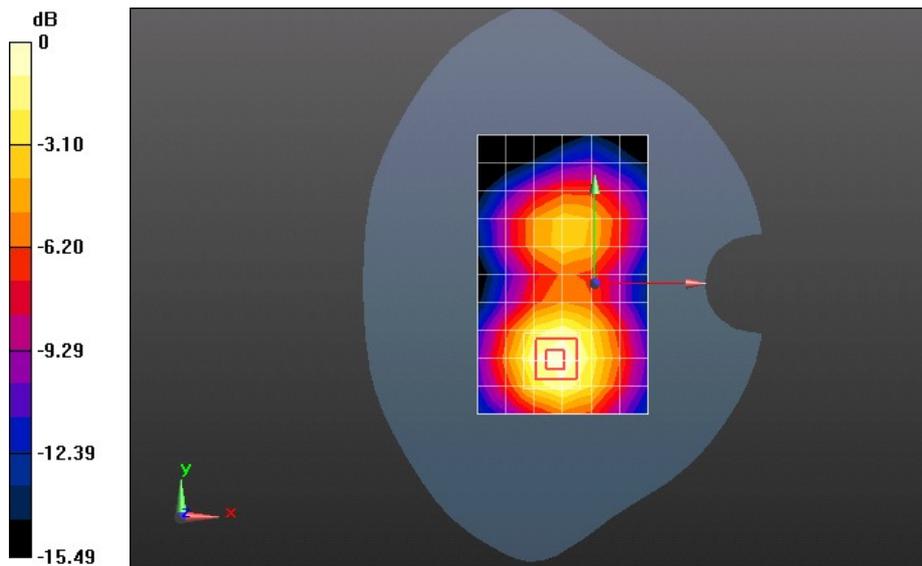
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



0 dB = 0.610mW/g = -4.29 dB 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

