



Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 128CH Left hand touch check

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.905$ mho/m; $\epsilon_r = 41.57$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 1.09 mW/g

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

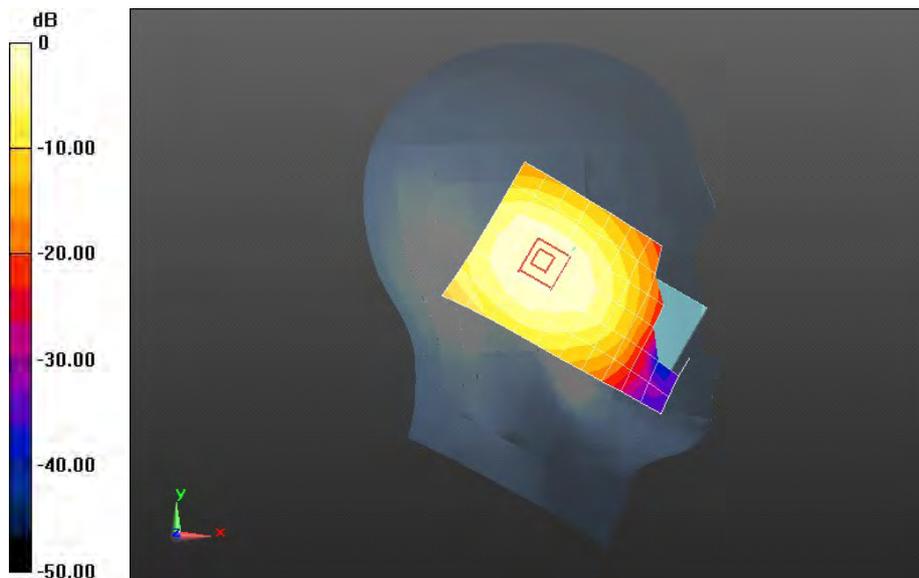
Reference Value = 34.107 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.361 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.746 mW/g

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

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.09 mW/g = 0.73 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 190CH Left hand touch check

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.917$ mho/m; $\epsilon_r = 41.42$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 1.06 mW/g

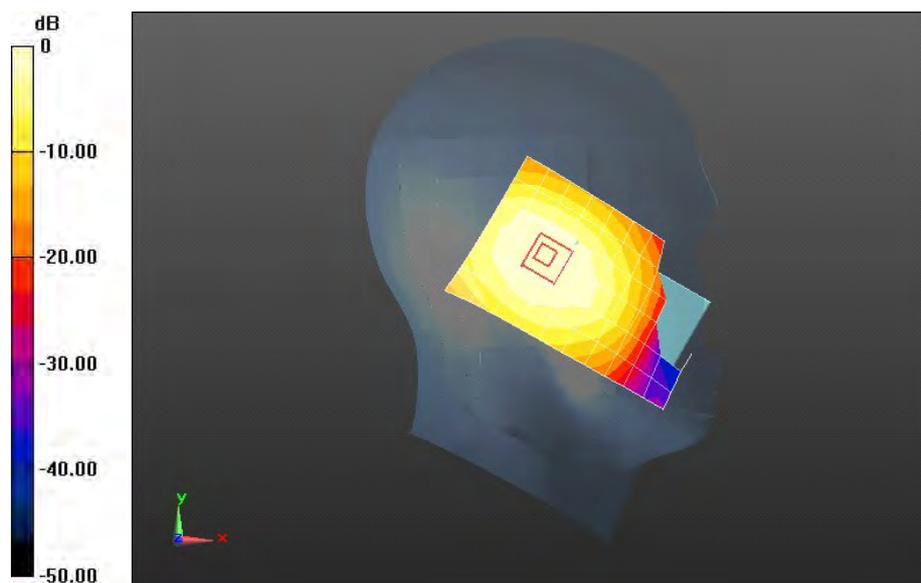
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 34.098 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.360 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.732 mW/g

Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.06 mW/g = 0.53 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 251CH Left hand touch check

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 849$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 41.293$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.987 mW/g

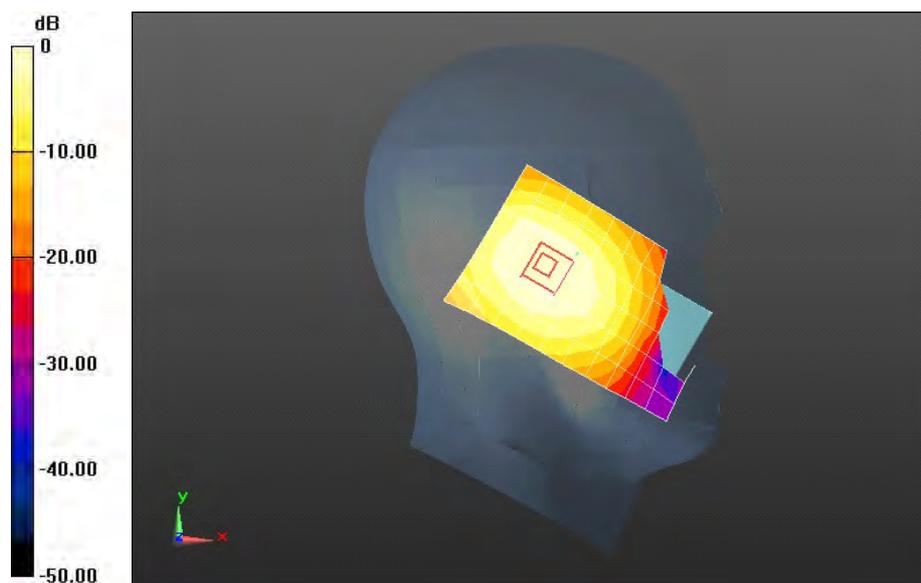
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 31.895 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.254 mW/g

SAR(1 g) = 0.950 mW/g; SAR(10 g) = 0.675 mW/g

Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 0.987 mW/g = -0.11 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 190CH Left hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.917$ mho/m; $\epsilon_r = 41.42$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.666 mW/g

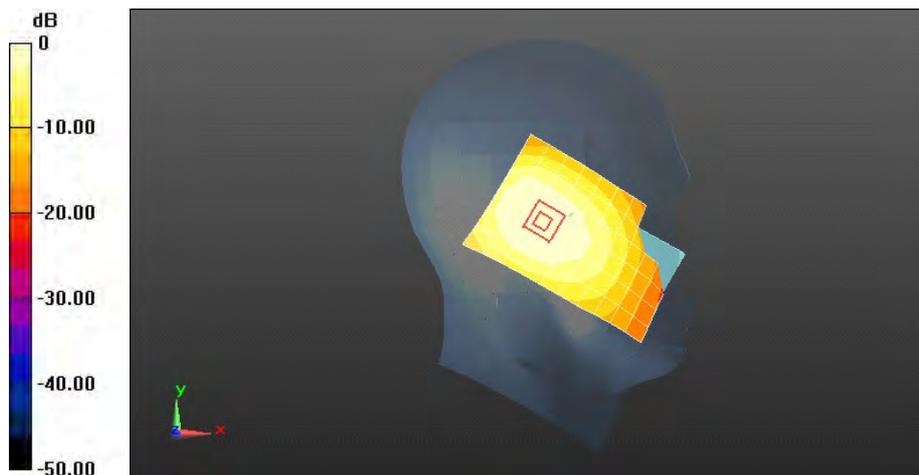
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 27.496 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.922 mW/g

SAR(1 g) = 0.688 mW/g; SAR(10 g) = 0.480 mW/g

Maximum value of SAR (measured) = 0.733 mW/g



0 dB = 0.666 mW/g = -3.53 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 128CH Right hand touch check

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.905$ mho/m; $\epsilon_r = 41.57$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.958 mW/g

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

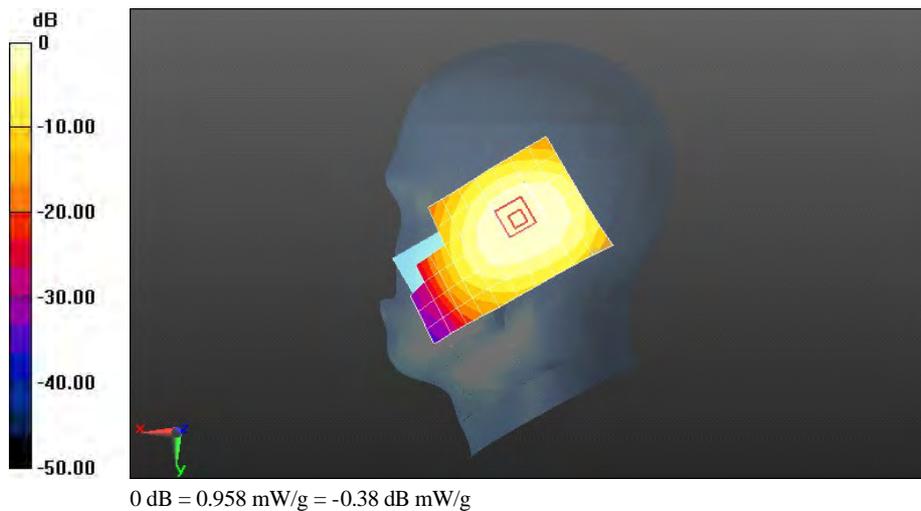
Reference Value = 30.311 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.323 mW/g

SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.647 mW/g

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

Maximum value of SAR (measured) = 0.977 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 190CH Right hand touch check

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.917$ mho/m; $\epsilon_r = 41.42$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

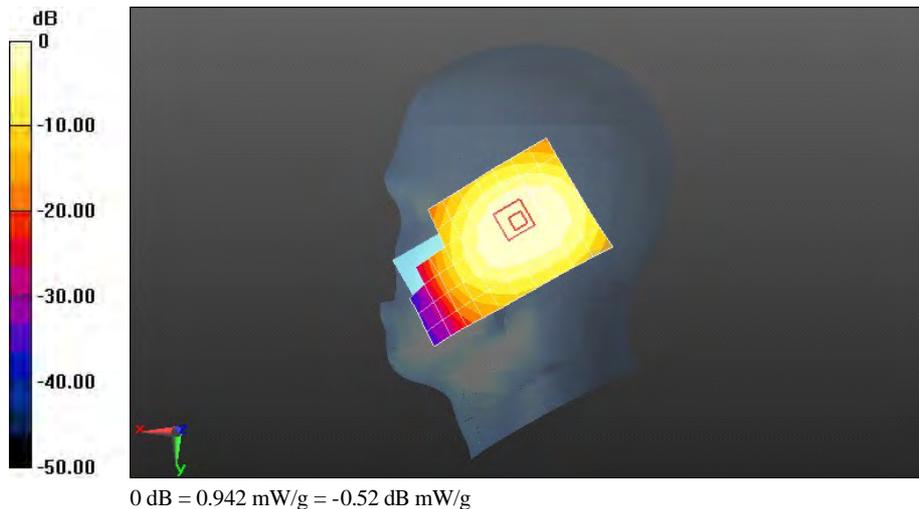
Maximum value of SAR (measured) = 0.942 mW/g

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

Reference Value = 29.866 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.309 mW/g

SAR(1 g) = 0.893 mW/g; SAR(10 g) = 0.625 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 251CH Right hand touch cheek

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 849$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 41.293$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.855 mW/g

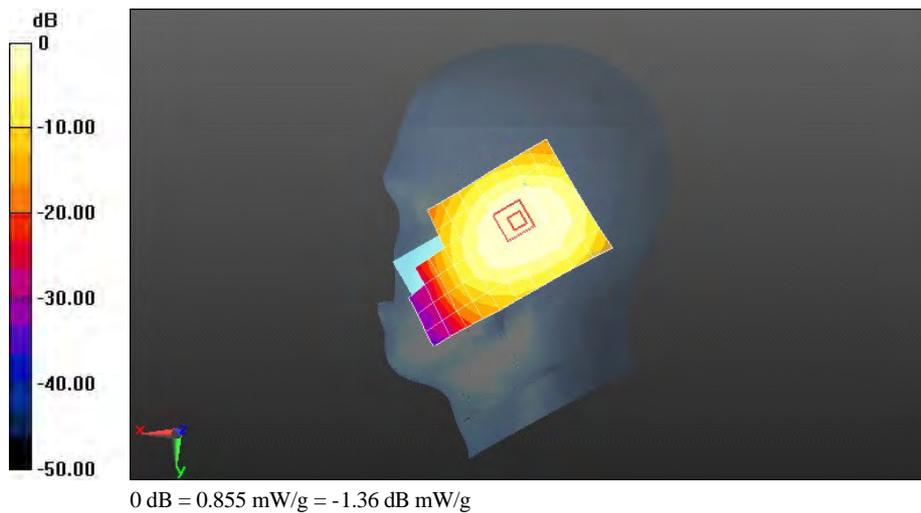
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 27.905 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.197 mW/g

SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.577 mW/g

Maximum value of SAR (measured) = 0.876 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 190CH Right hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

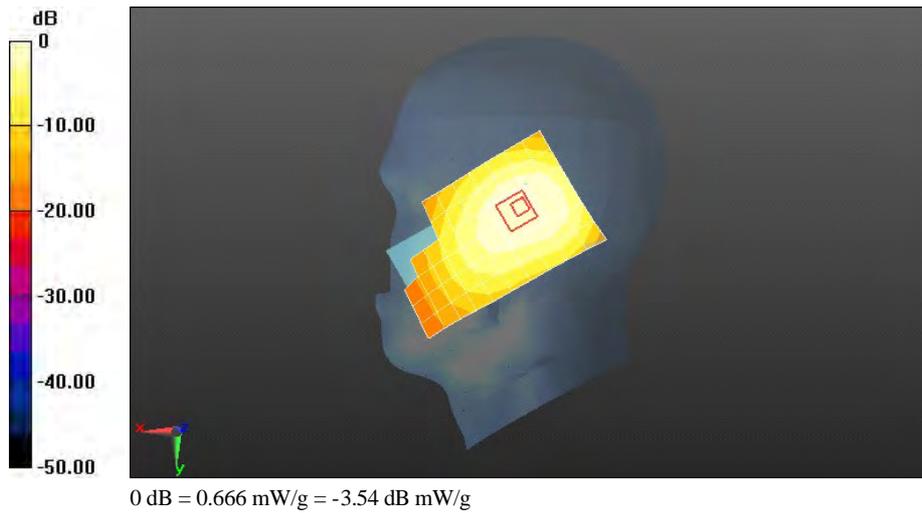
Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz
Medium parameters used: $f = 837$ MHz; $\sigma = 0.917$ mho/m; $\epsilon_r = 41.42$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.666 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 26.038 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.921 mW/g
SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.440 mW/g
Maximum value of SAR (measured) = 0.692 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 128CH Left hand touch cheek with battery SN-GAGBC11L74205015

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.905$ mho/m; $\epsilon_r = 41.57$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 1.12 mW/g

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

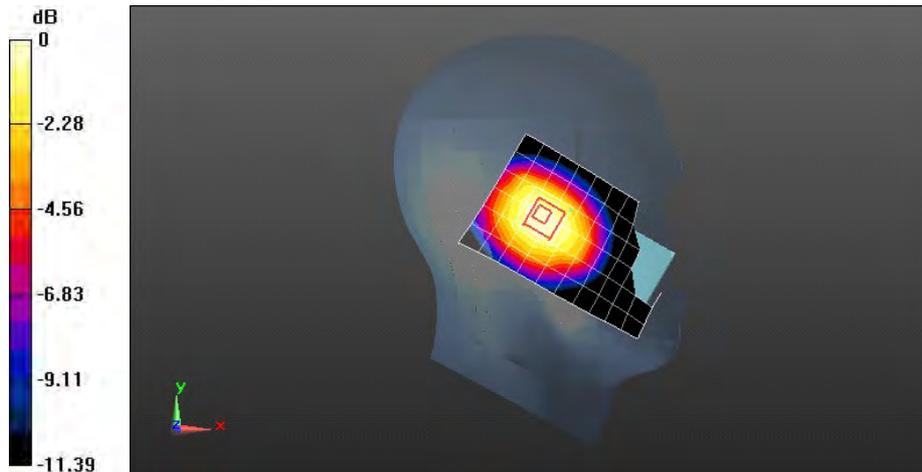
Reference Value = 33.863 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.392 mW/g

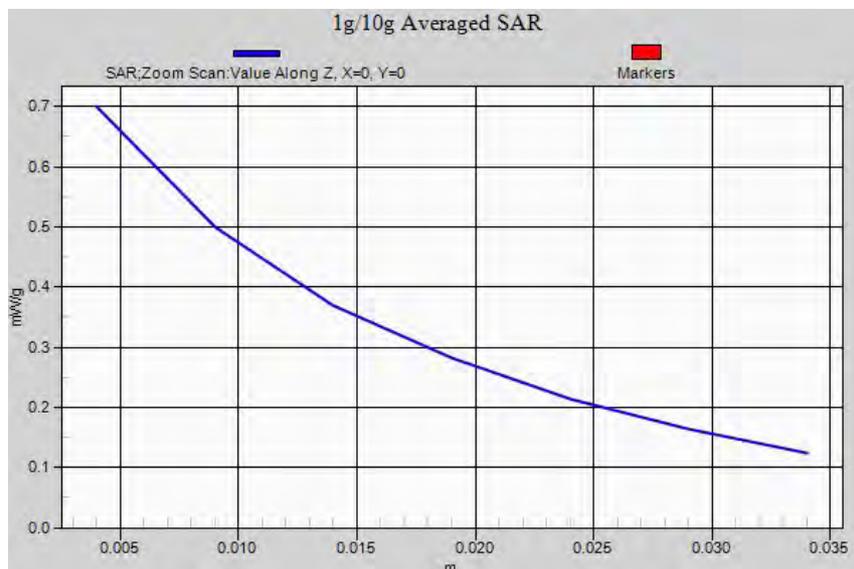
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.749 mW/g

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

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11 mW/g = 0.91 dB mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 GPRS 1TS 190CH Towards Phantom 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 54.829$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.431 mW/g

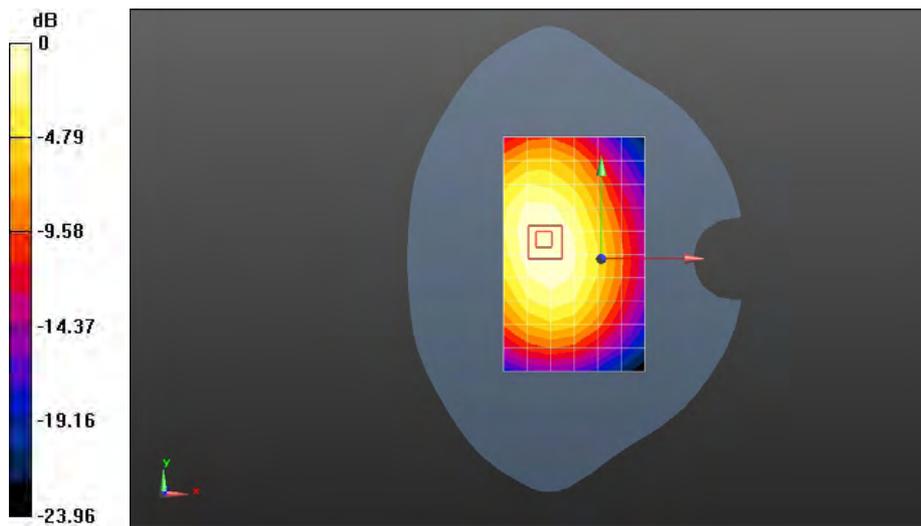
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 18.032 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.587 mW/g

SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.303 mW/g

Maximum value of SAR (measured) = 0.450 mW/g



0 dB = 0.431 mW/g = -7.30 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 GPRS 2TS 190CH Towards Phantom 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 54.829$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.581 mW/g

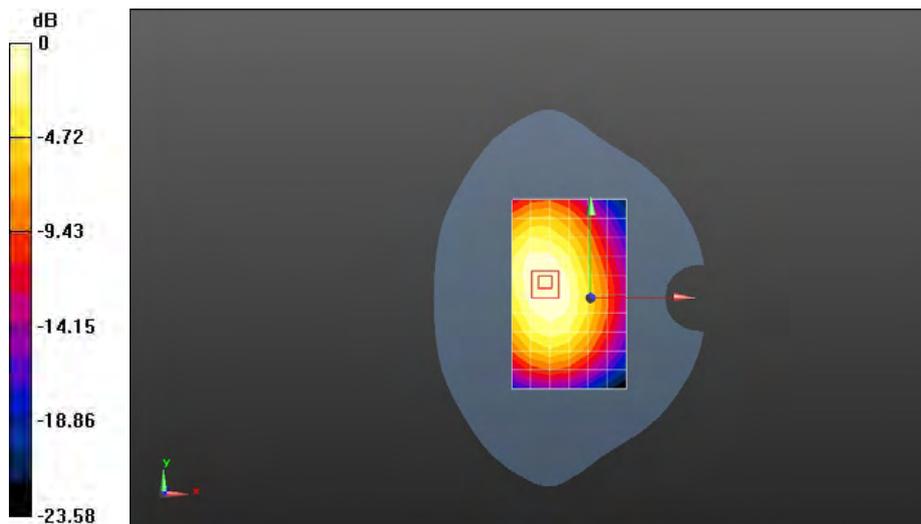
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 21.125 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.772 mW/g

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.406 mW/g

Maximum value of SAR (measured) = 0.602 mW/g



0 dB = 0.581 mW/g = -4.72 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 GPRS 2TS 128CH Towards Ground 15mm**DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 55.043$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.964 mW/g

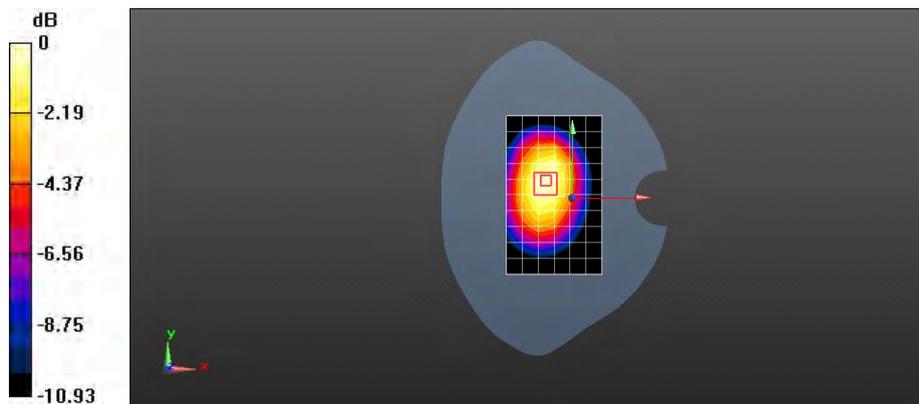
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 28.619 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.390 mW/g

SAR(1 g) = 0.973 mW/g; SAR(10 g) = 0.676 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.03 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 GPRS 2TS 190CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 54.829$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.897 mW/g

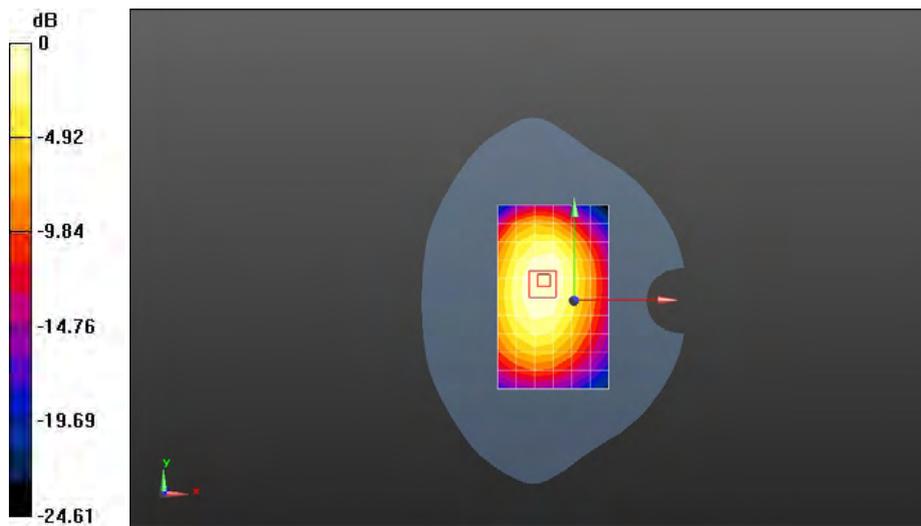
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 27.668 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.278 mW/g

SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.636 mW/g

Maximum value of SAR (measured) = 0.969 mW/g



0 dB = 0.897 mW/g = -0.95 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 GPRS 2TS 251CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 1.004$ mho/m; $\epsilon_r = 54.719$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.869 mW/g

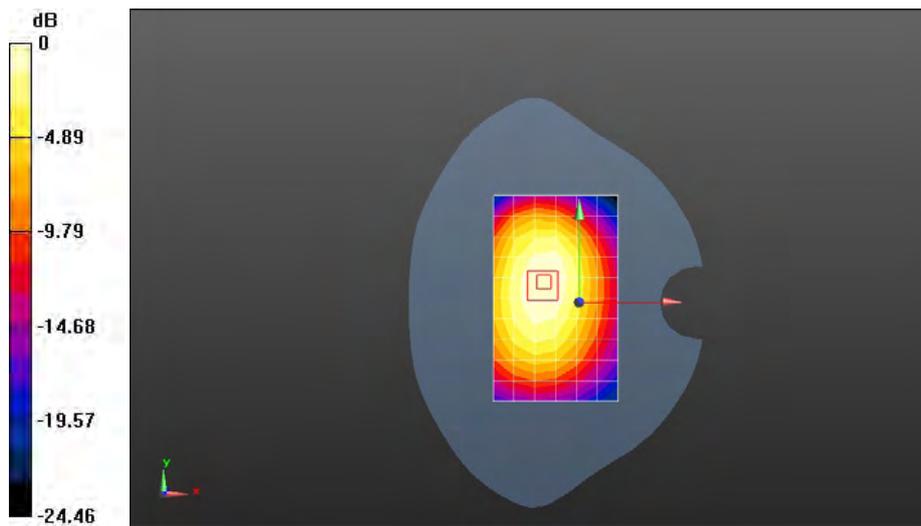
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 27.145 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.234 mW/g

SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.610 mW/g

Maximum value of SAR (measured) = 0.933 mW/g



0 dB = 0.869 mW/g = -1.22 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 EGPRS 1TS 190CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 54.829$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.728 mW/g

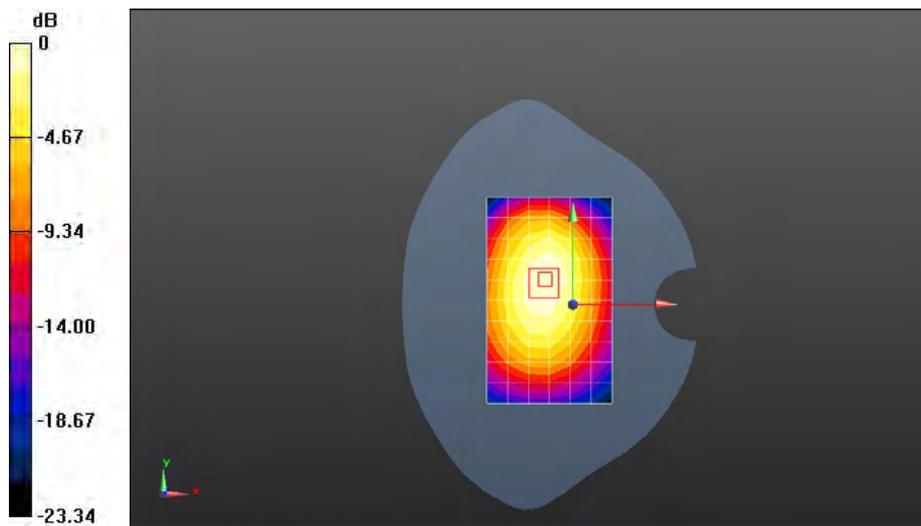
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 25.035 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.994 mW/g

SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.479 mW/g

Maximum value of SAR (measured) = 0.741 mW/g



0 dB = 0.728 mW/g = -2.76 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 EGPRS 2TS 128CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 55.043$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.948 mW/g

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

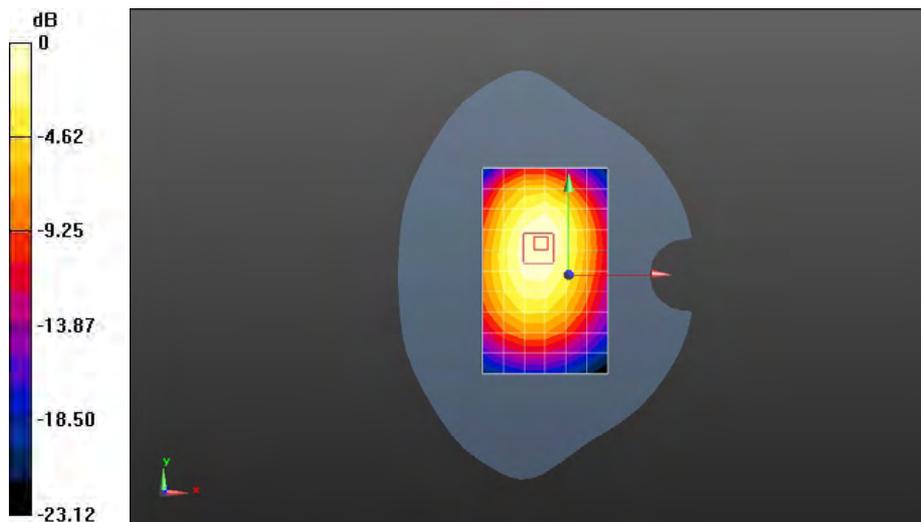
Reference Value = 27.774 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.296 mW/g

SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.643 mW/g

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

Maximum value of SAR (measured) = 0.988 mW/g



0 dB = 0.948 mW/g = -0.47 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 EGPRS 2TS 190CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 54.829$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.896 mW/g

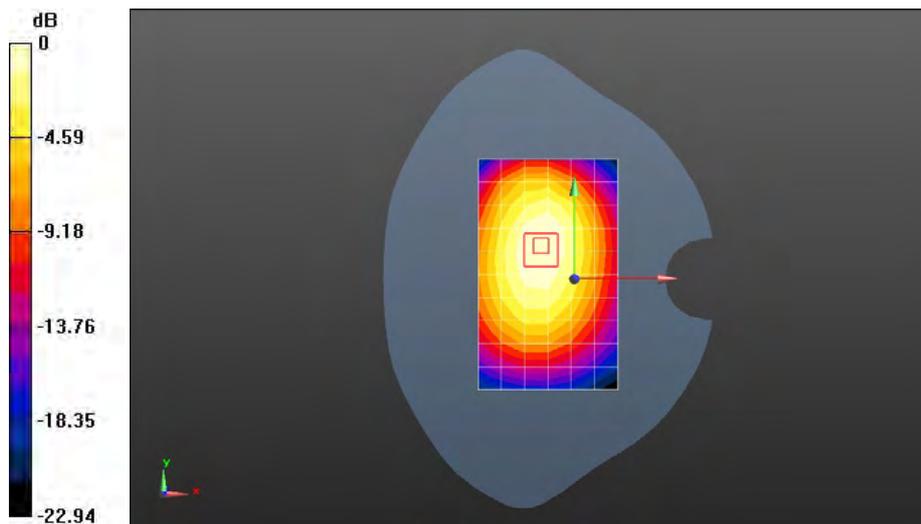
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 27.225 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.260 mW/g

SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.612 mW/g

Maximum value of SAR (measured) = 0.935 mW/g



0 dB = 0.896 mW/g = -0.95 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 EGPRS 2TS 251CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 1.004$ mho/m; $\epsilon_r = 54.719$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.857 mW/g

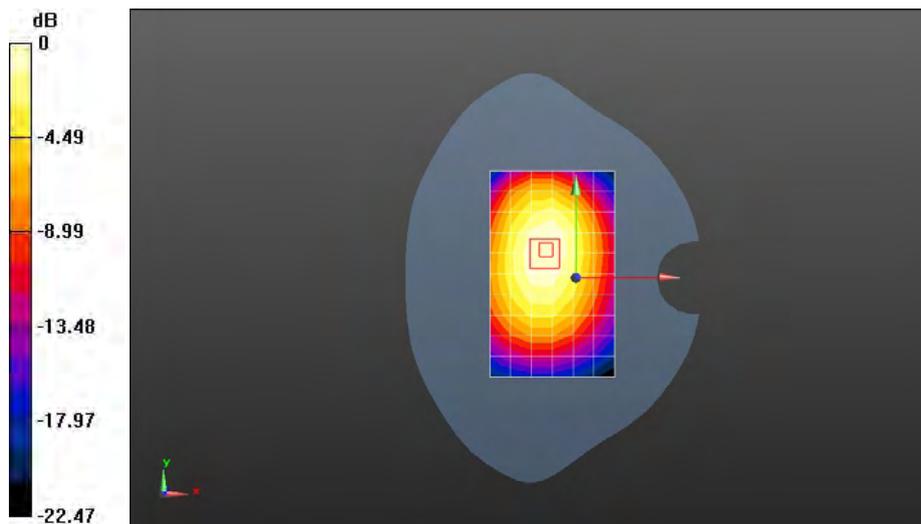
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 26.394 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.199 mW/g

SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.588 mW/g

Maximum value of SAR (measured) = 0.898 mW/g



0 dB = 0.857 mW/g = -1.34 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 128CH Towards Ground 15mm with Headset

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 55.043$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.325 mW/g

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

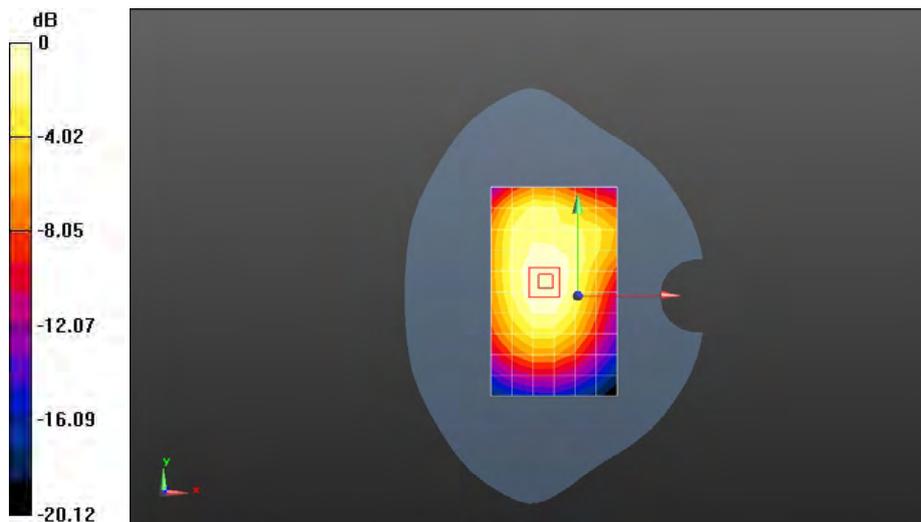
Reference Value = 17.712 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.451 mW/g

SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.232 mW/g

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

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



0 dB = 0.325 mW/g = -9.75 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM850 GPRS 2TS 128CH Towards Ground 15mm with battery SN-GAGBC11L74205015

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SARI

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.995$ mho/m; $\epsilon_r = 55.043$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.902 mW/g

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

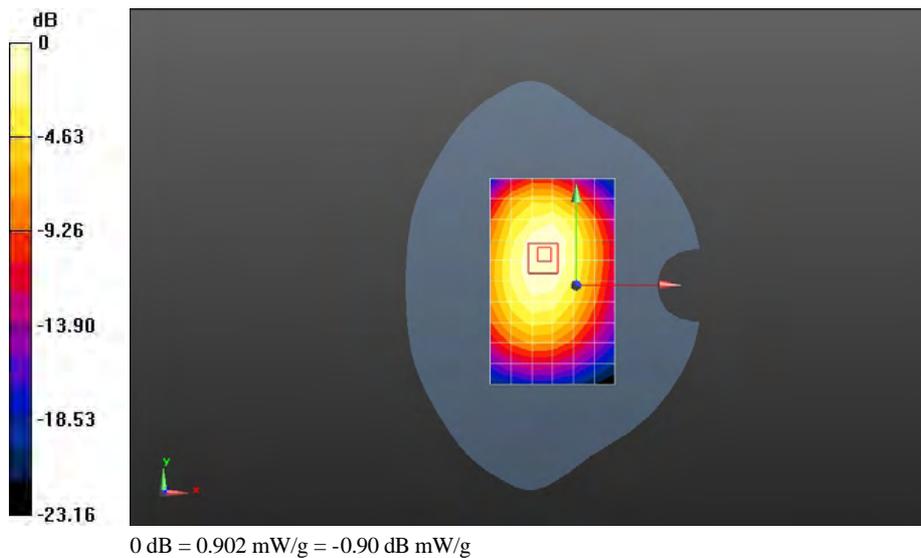
Reference Value = 27.195 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.278 mW/g

SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.624 mW/g

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

Maximum value of SAR (measured) = 0.952 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 661CH Left hand touch cheek

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.631 mW/g

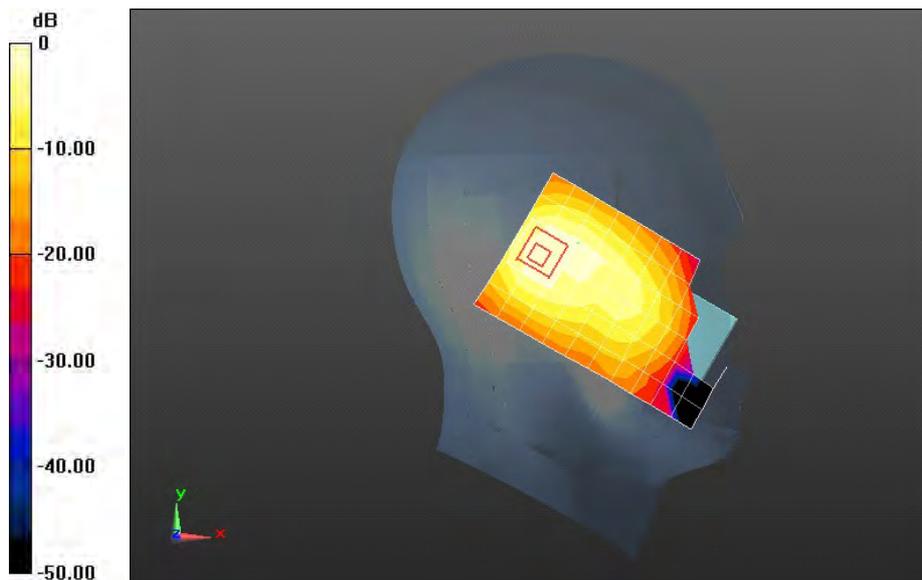
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.118 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.074 mW/g

SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.285 mW/g

Maximum value of SAR (measured) = 0.634 mW/g



0 dB = 0.631 mW/g = -4.00 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 661CH Left hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

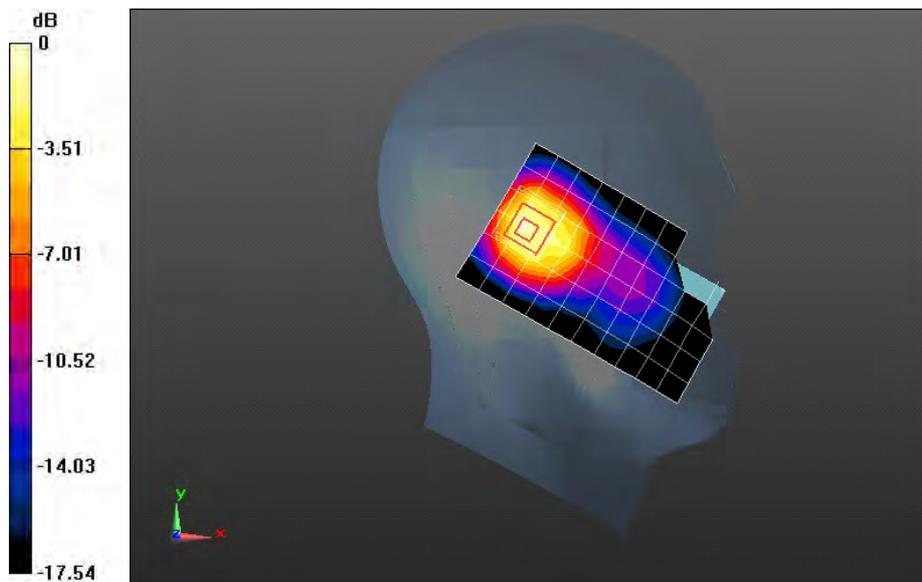
Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY Configuration:

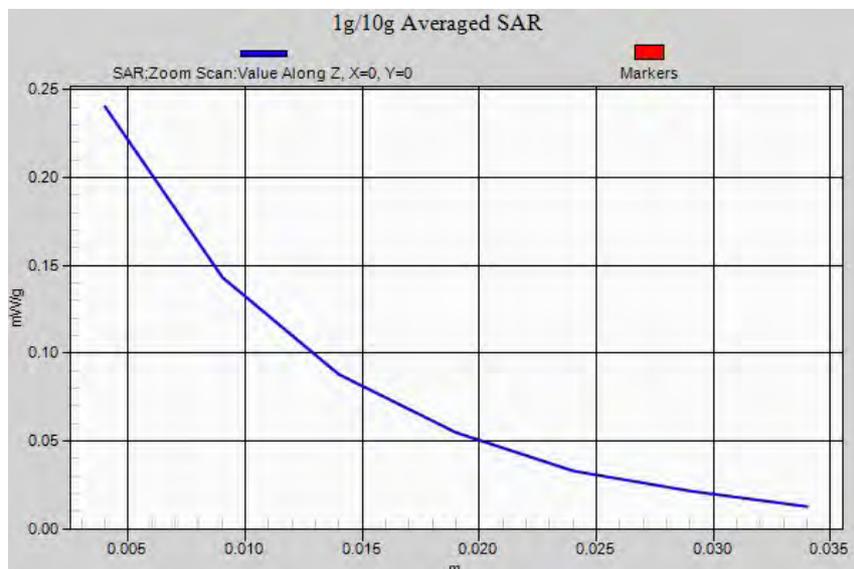
- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 0.566 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 17.627 V/m; Power Drift = 0.04 dB
 Peak SAR (extrapolated) = 1.050 mW/g
SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.293 mW/g
 Maximum value of SAR (measured) = 0.630 mW/g



0 dB = 0.630 mW/g = -4.01 dB mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 661CH Right hand touch cheek

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.463 mW/g

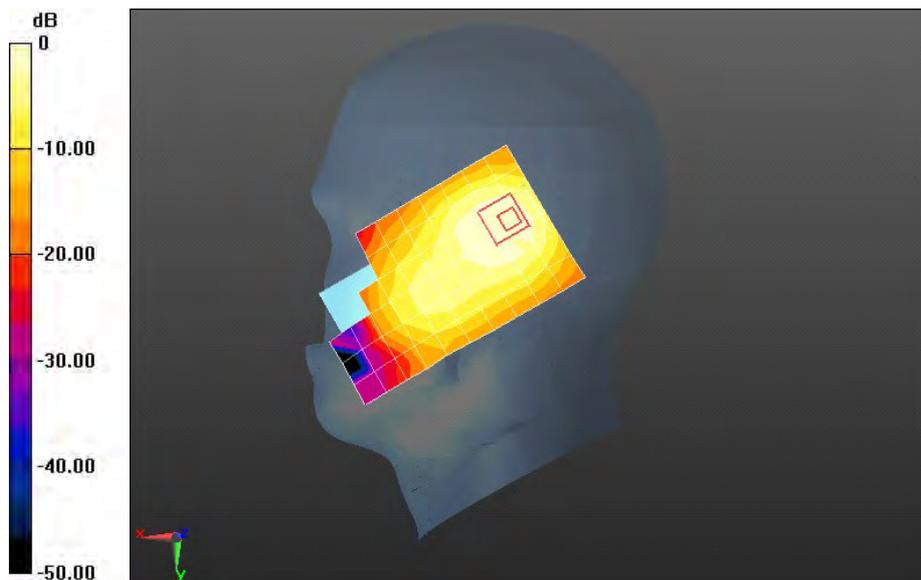
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.374 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.920 mW/g

SAR(1 g) = 0.487 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 0.543 mW/g



0 dB = 0.463 mW/g = -6.69 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 661CH Right hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.456 mW/g

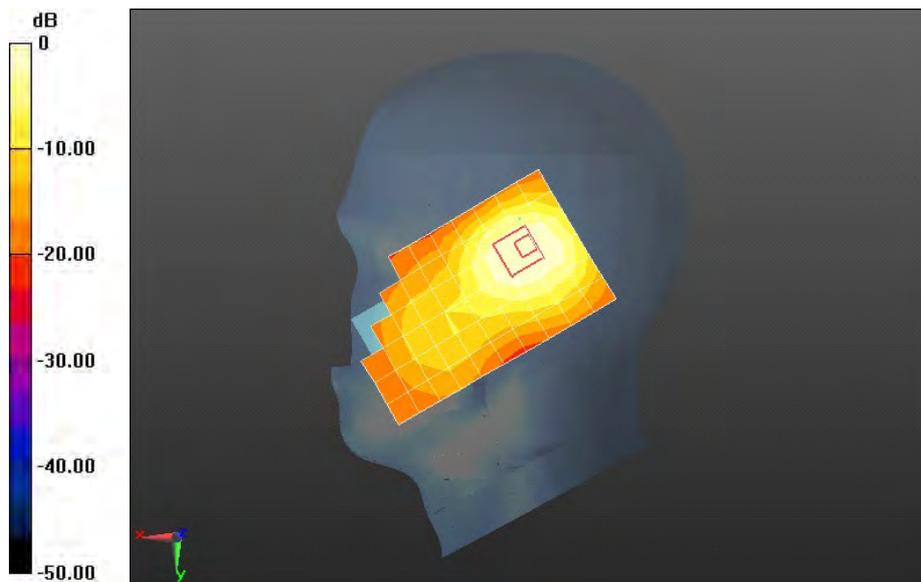
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.792 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.929 mW/g

SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.252 mW/g

Maximum value of SAR (measured) = 0.539 mW/g



0 dB = 0.456 mW/g = -6.83 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 661CH Left hand tilt 15 degree with battery SN-GAGBC11L74205015

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.576 mW/g

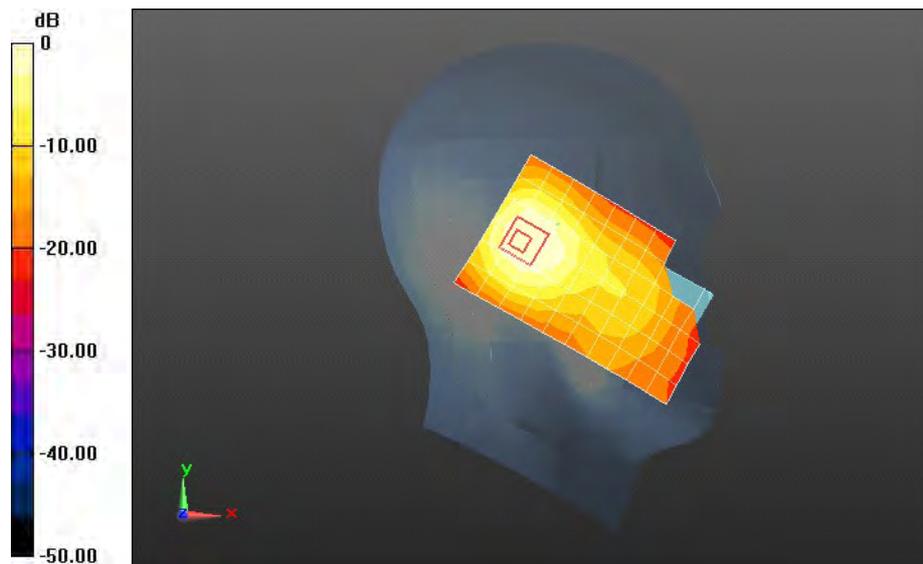
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.569 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.024 mW/g

SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.298 mW/g

Maximum value of SAR (measured) = 0.636 mW/g



0 dB = 0.576 mW/g = -4.79 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 GPRS 1TS 661CH Towards Phantom 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.142 mW/g

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

Reference Value = 5.055 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.229 mW/g

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.152 mW/g

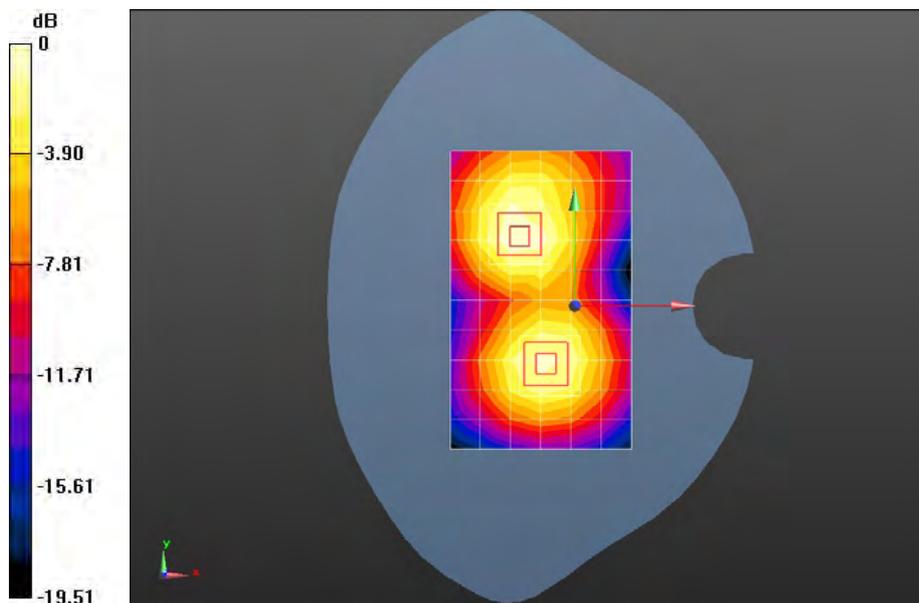
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.055 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.181 mW/g

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.123 mW/g



0 dB = 0.142 mW/g = -16.94 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 GPRS 2TS 661CH Towards Phantom 15mm**DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

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

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

Reference Value = 7.126 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.445 mW/g

SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (measured) = 0.296 mW/g

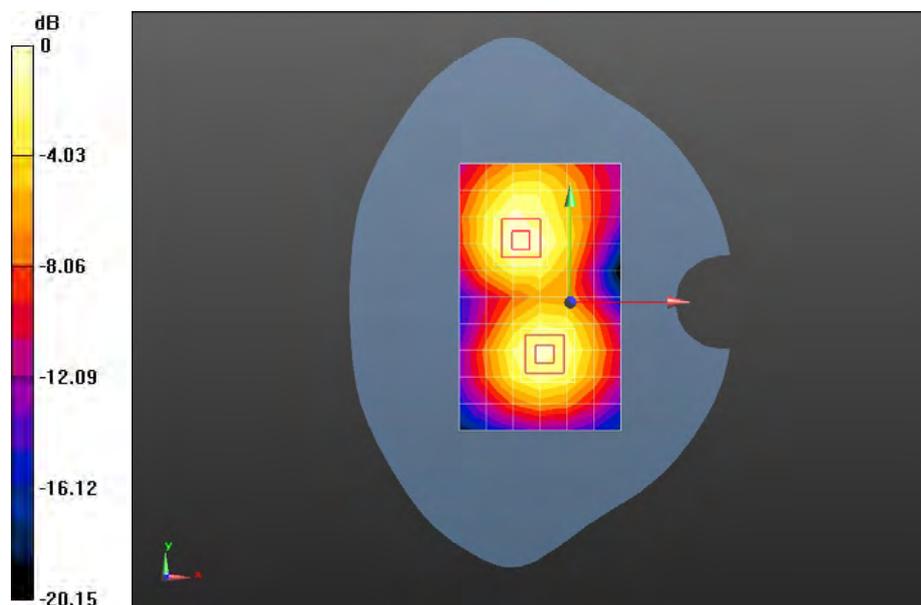
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.126 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.331 mW/g

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.235 mW/g



0 dB = 0.278 mW/g = -11.11 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 GPRS 2TS 661CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.683 mW/g

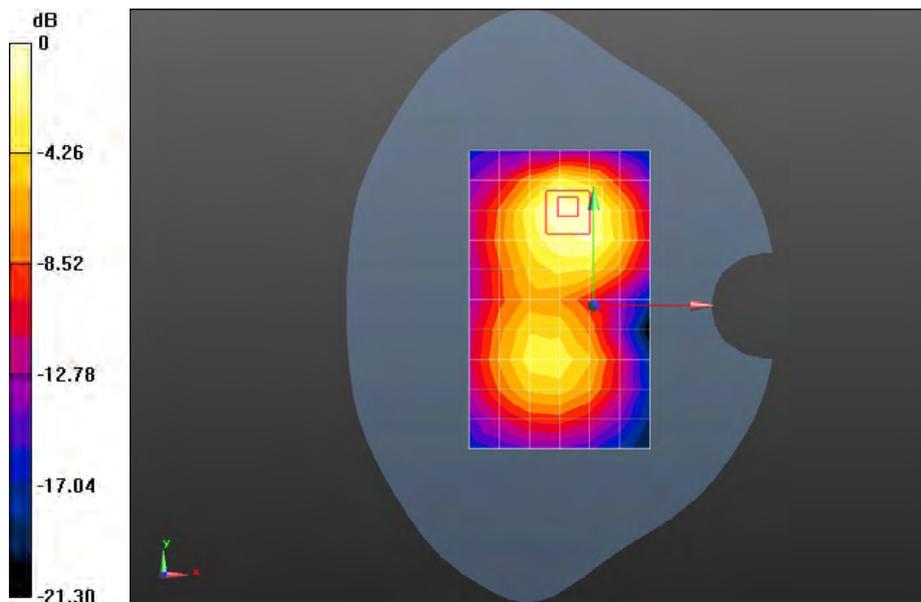
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.634 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.129 mW/g

SAR(1 g) = 0.653 mW/g; SAR(10 g) = 0.368 mW/g

Maximum value of SAR (measured) = 0.719 mW/g



0 dB = 0.683 mW/g = -3.31 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 EGPRS 1TS 661CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.350 mW/g

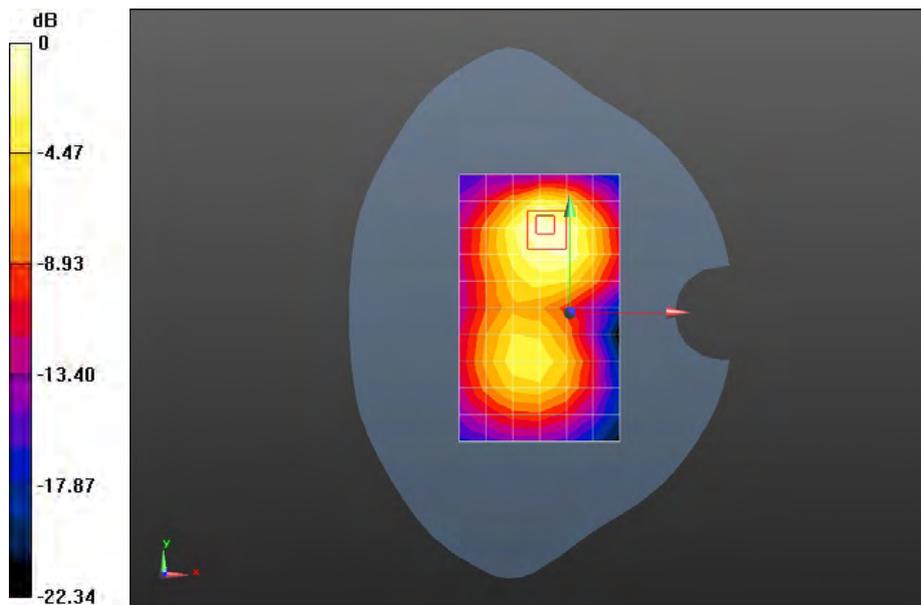
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.796 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.558 mW/g

SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.190 mW/g

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



0 dB = 0.350 mW/g = -9.11 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 EGPRS 2TS 661CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.685 mW/g

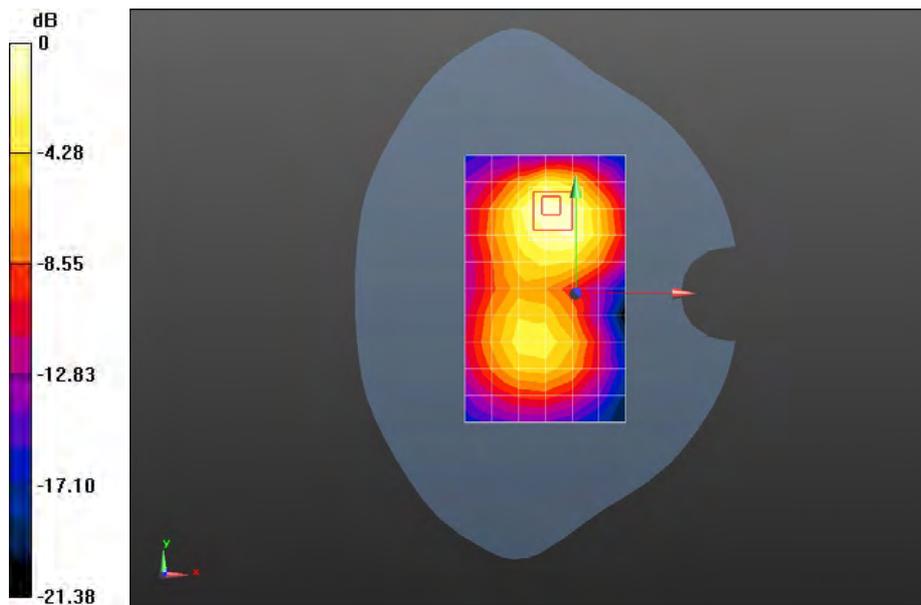
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.660 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.095 mW/g

SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.368 mW/g

Maximum value of SAR (measured) = 0.720 mW/g



0 dB = 0.685 mW/g = -3.28 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 661CH Towards Ground 15mm with Headset

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.297 mW/g

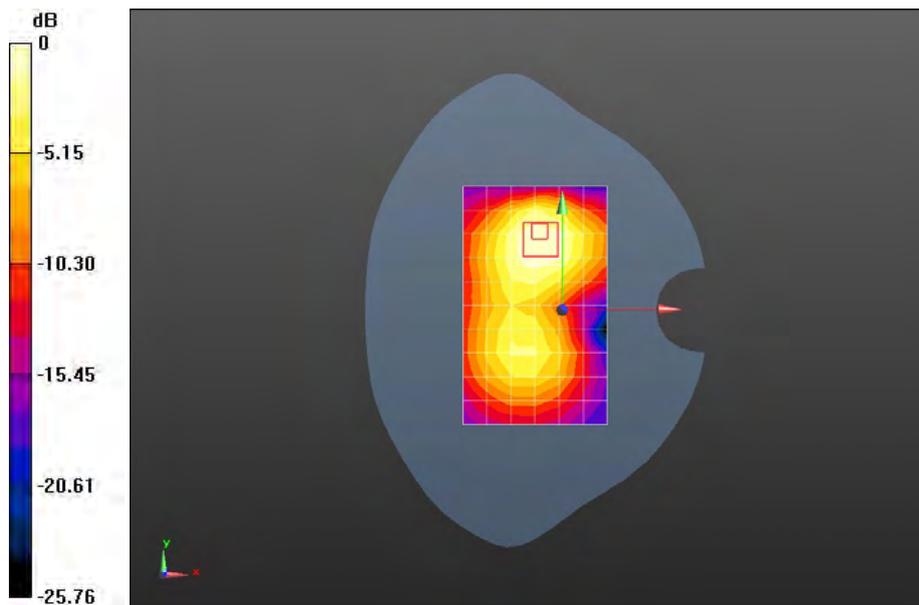
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.075 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.477 mW/g

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.305 mW/g



0 dB = 0.297 mW/g = -10.56 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 GSM1900 GPRS 2TS 661CH Towards Ground 15mm with battery SN-GAGBC11L74205015

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

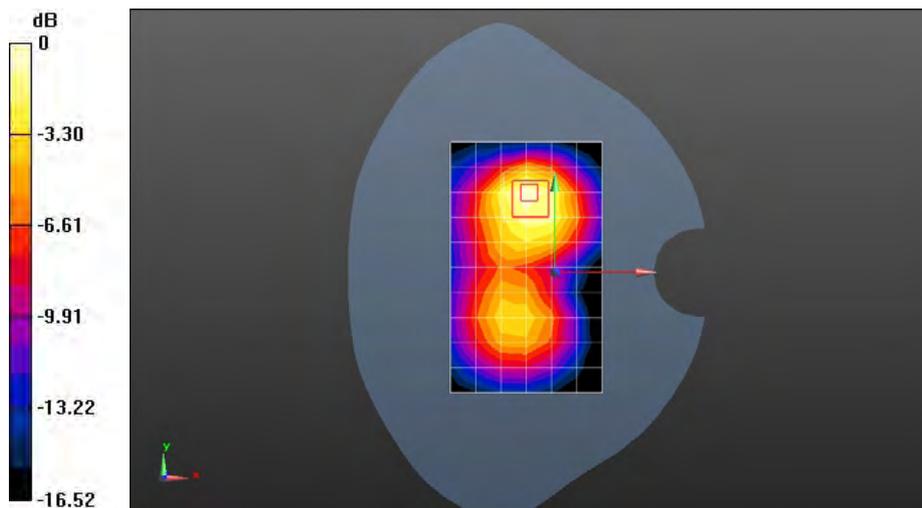
Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz
 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.571 \text{ mho/m}$; $\epsilon_r = 52.475$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY Configuration:

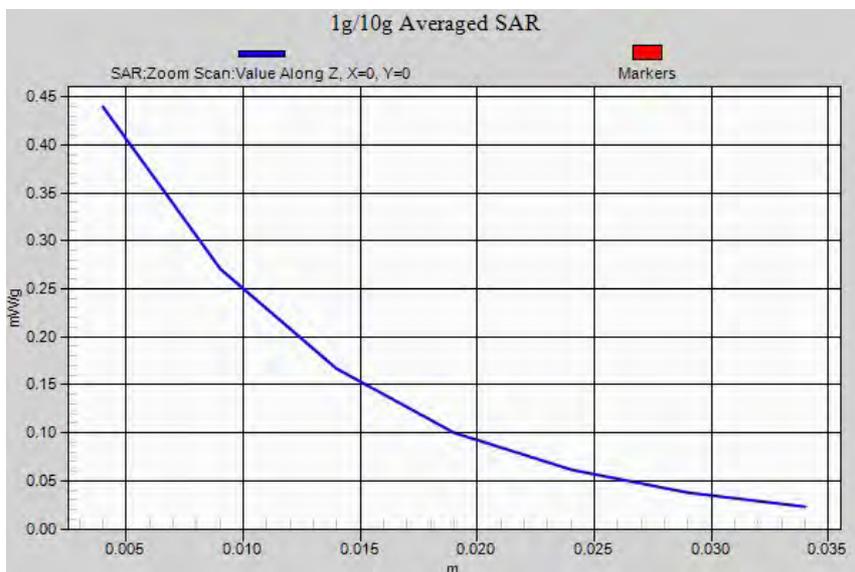
- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}, dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.731 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}, dy=5\text{mm}, dz=5\text{mm}$
 Reference Value = 9.636 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 1.141 mW/g
SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.374 mW/g
 Maximum value of SAR (measured) = 0.727 mW/g



0 dB = 0.727 mW/g = -2.77 dB mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9262CH Left hand touch cheek

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1852.4 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.393$ mho/m; $\epsilon_r = 39.137$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.884 mW/g

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

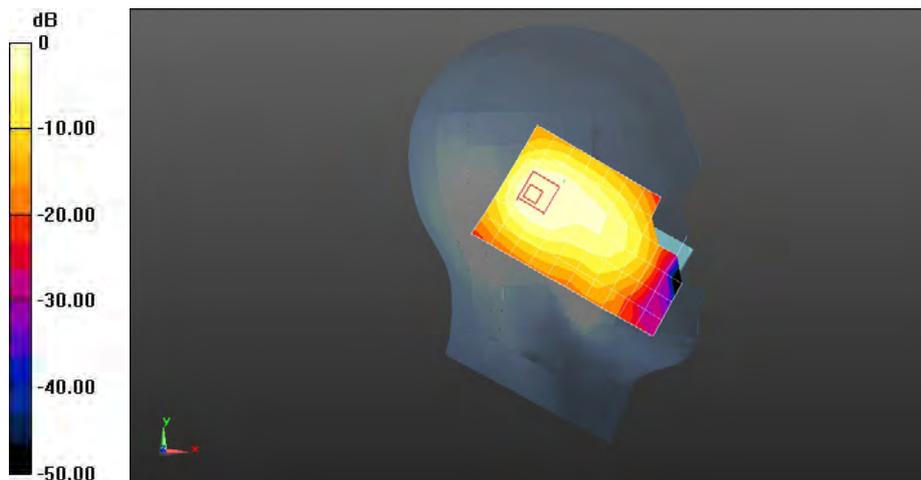
Reference Value = 25.483 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.930 mW/g

SAR(1 g) = 0.999 mW/g; SAR(10 g) = 0.522 mW/g

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

Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 0.884 mW/g = -1.07 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Left hand touch cheek

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.960 mW/g

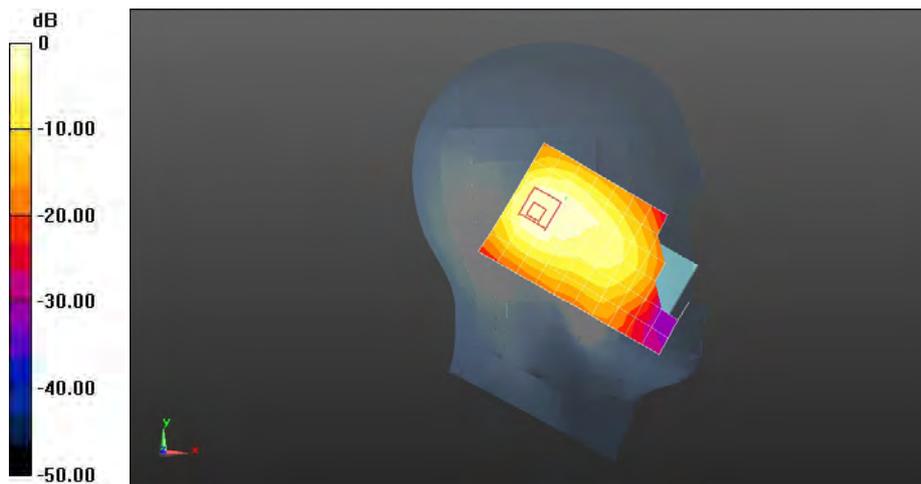
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 21.661 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.851 mW/g

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.484 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 0.960 mW/g = -0.36 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9538CH Left hand touch cheek

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

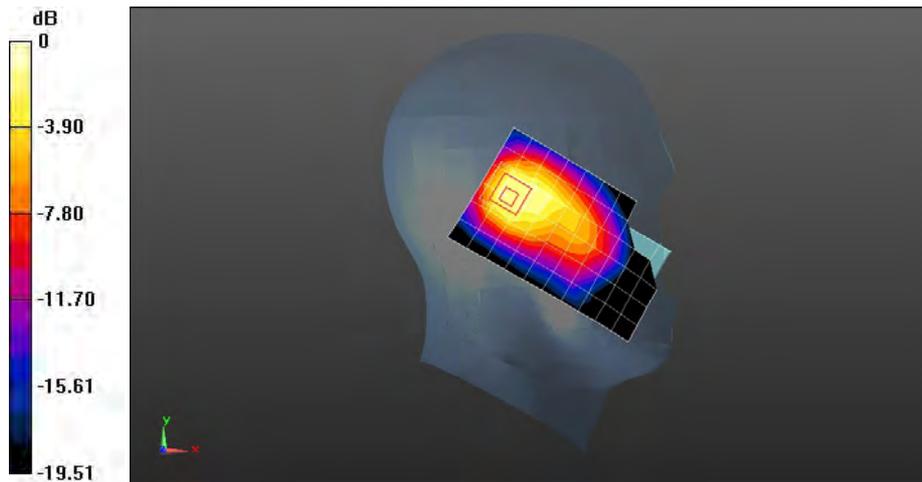
Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz
 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.445$ mho/m; $\epsilon_r = 38.987$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY Configuration:

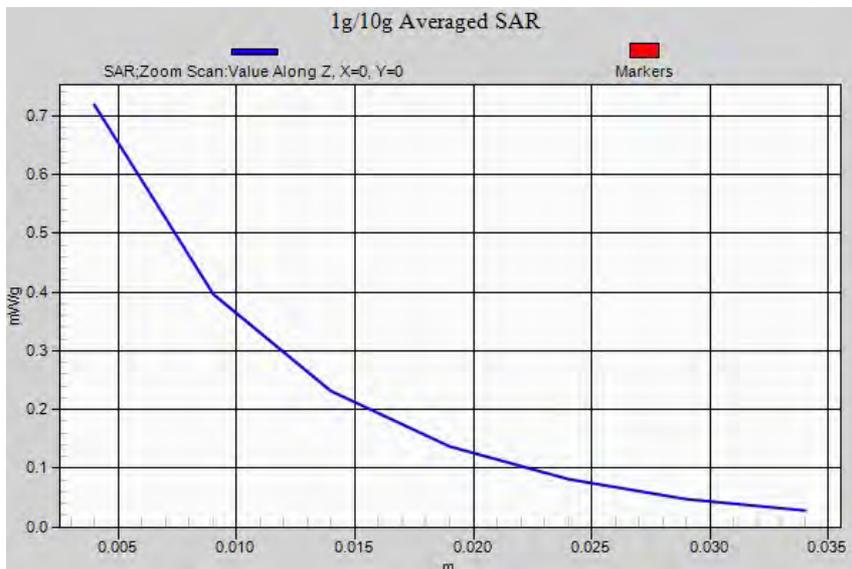
- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.887 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 22.729 V/m; Power Drift = 0.08 dB
 Peak SAR (extrapolated) = 1.988 mW/g
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.503 mW/g
 Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13 mW/g = 1.06 dB mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9262CH Left hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1852.4 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.393$ mho/m; $\epsilon_r = 39.137$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.944 mW/g

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

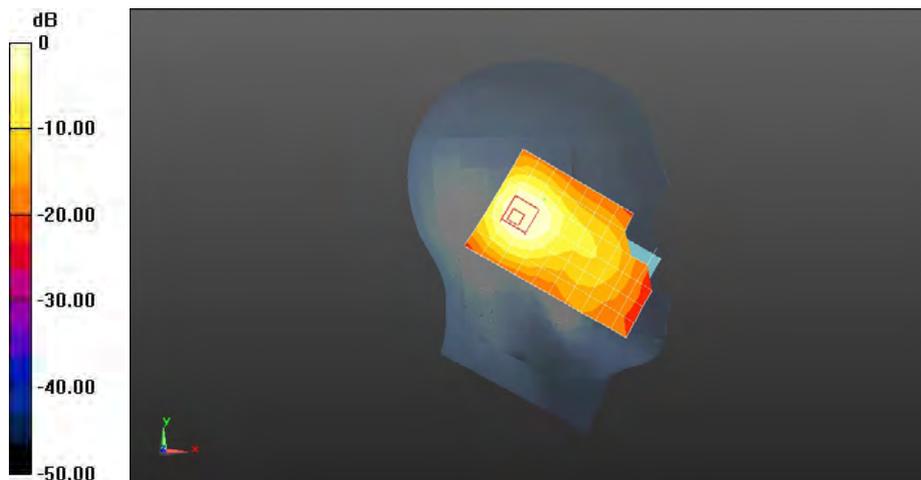
Reference Value = 22.820 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.768 mW/g

SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.509 mW/g

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

Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 0.944 mW/g = -0.50 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Left hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.955 mW/g

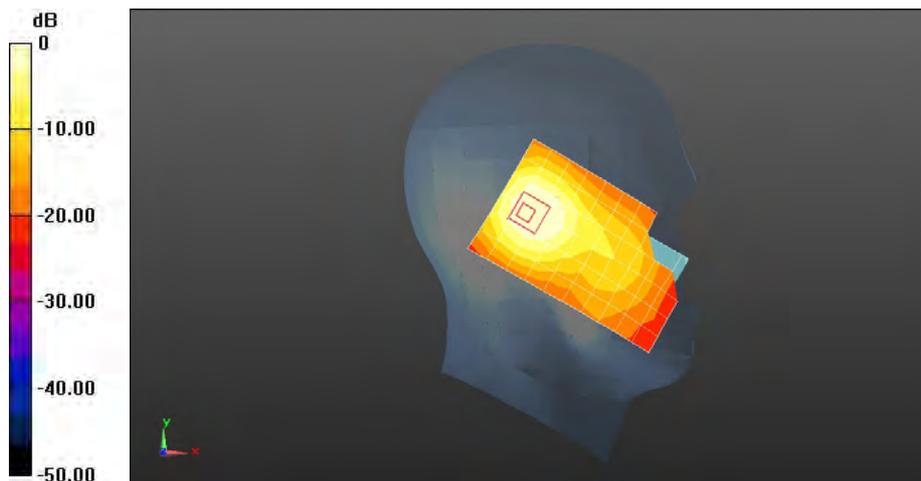
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.957 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.813 mW/g

SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 0.955 mW/g = -0.40 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9538CH Left hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.445$ mho/m; $\epsilon_r = 38.987$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.954 mW/g

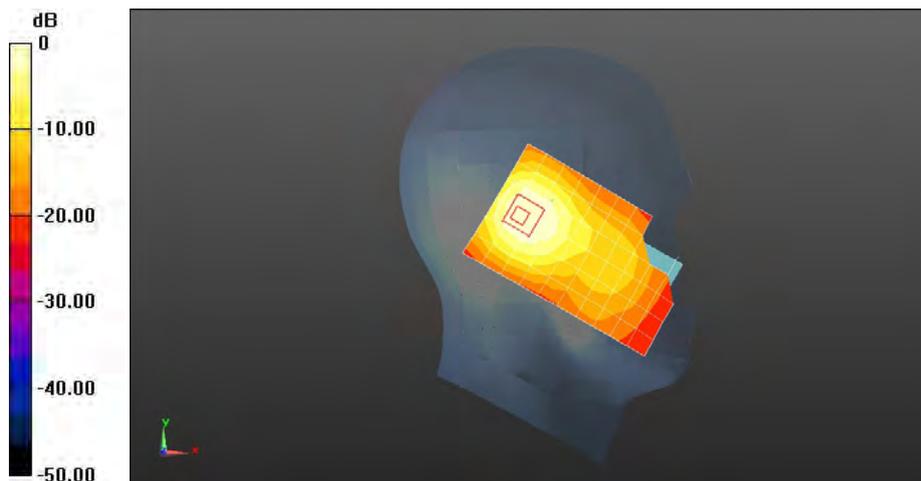
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.191 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.798 mW/g

SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.505 mW/g

Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 0.954 mW/g = -0.41 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9262CH Right hand touch check

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1852.4 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.393$ mho/m; $\epsilon_r = 39.137$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.894 mW/g

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

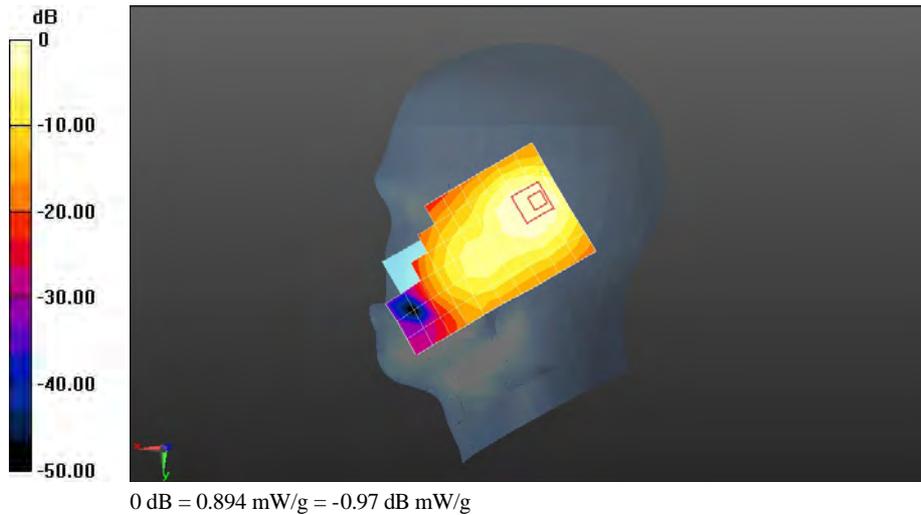
Reference Value = 18.679 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.674 mW/g

SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.444 mW/g

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

Maximum value of SAR (measured) = 0.951 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Right hand touch check

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.912 mW/g

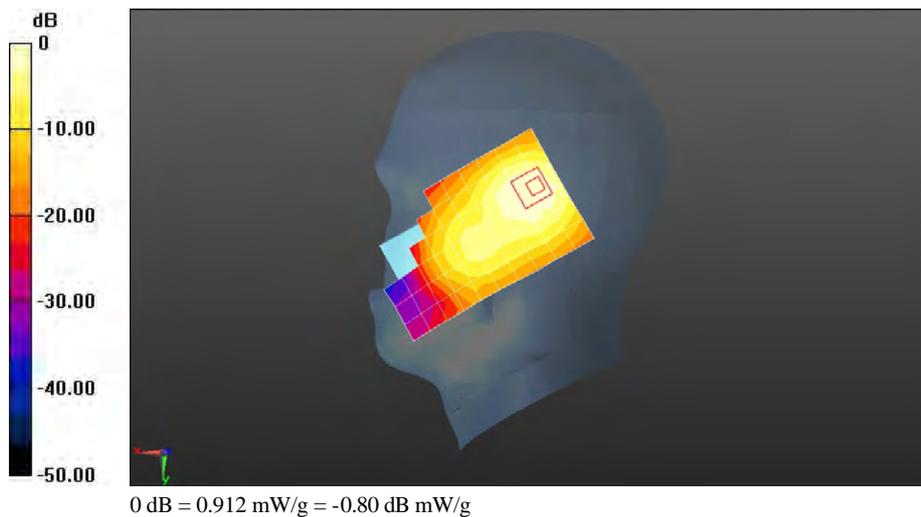
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.574 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.656 mW/g

SAR(1 g) = 0.852 mW/g; SAR(10 g) = 0.434 mW/g

Maximum value of SAR (measured) = 0.959 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9538CH Right hand touch cheek

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.445$ mho/m; $\epsilon_r = 38.987$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.926 mW/g

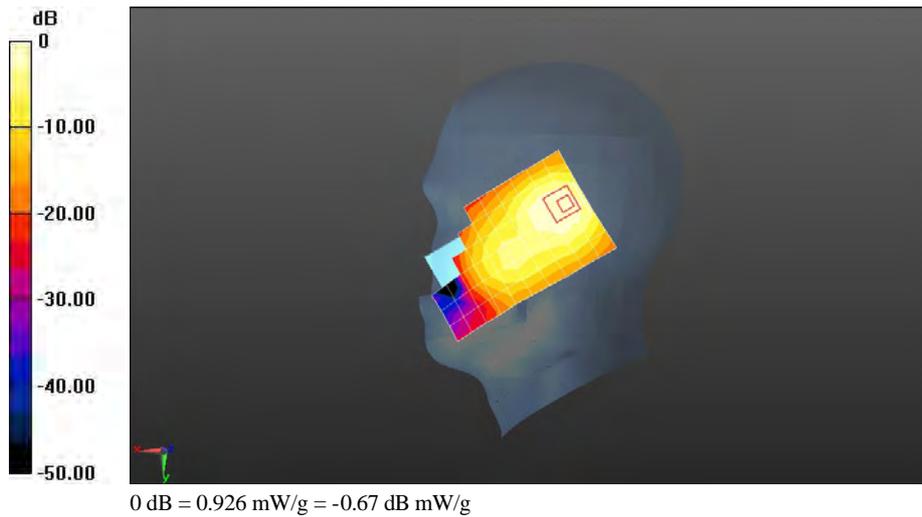
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 18.157 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.632 mW/g

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.428 mW/g

Maximum value of SAR (measured) = 0.947 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9262CH Right hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1852.4 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.393$ mho/m; $\epsilon_r = 39.137$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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) = 0.957 mW/g

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

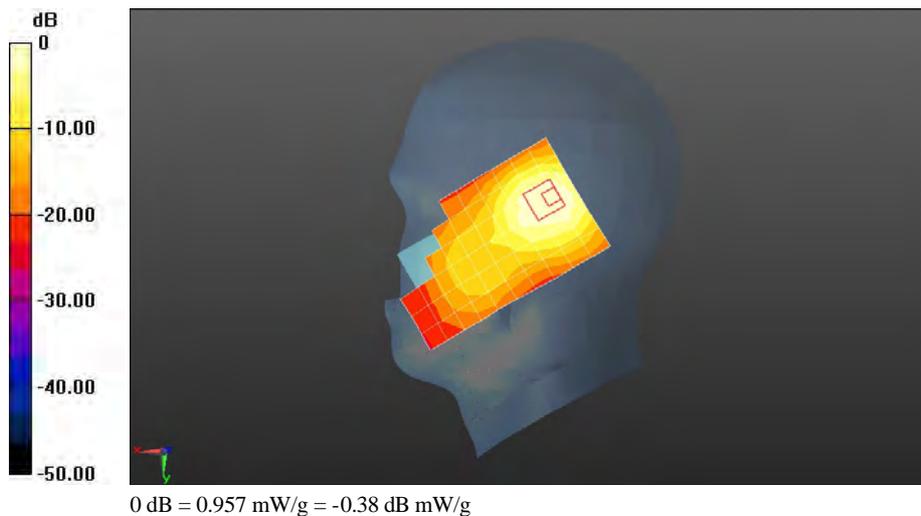
Reference Value = 22.159 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.636 mW/g

SAR(1 g) = 0.860 mW/g; SAR(10 g) = 0.469 mW/g

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

Maximum value of SAR (measured) = 0.970 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Right hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.068$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.960 mW/g

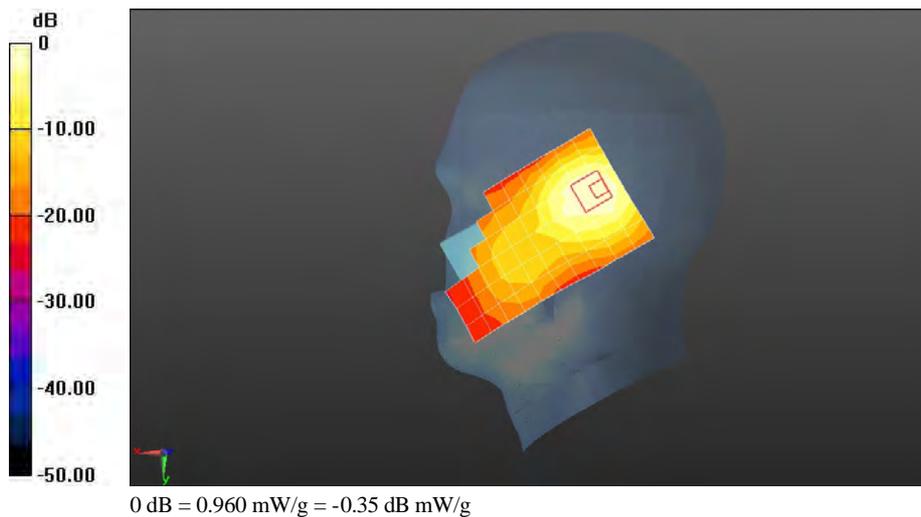
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 21.823 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.679 mW/g

SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.466 mW/g

Maximum value of SAR (measured) = 0.967 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9538CH Right hand tilt 15 degree

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.445$ mho/m; $\epsilon_r = 38.987$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.987 mW/g

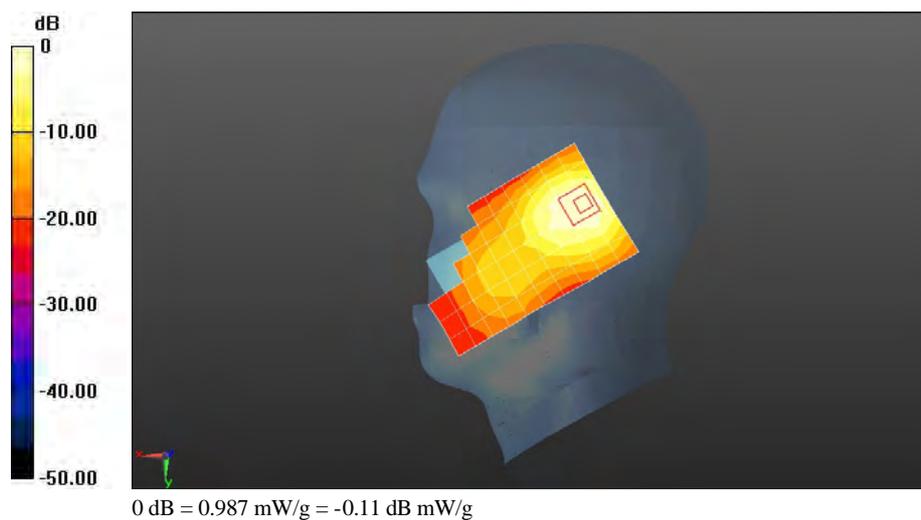
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 21.670 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.670 mW/g

SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 1.00 mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9538CH Left hand touch cheek with battery SN-GAGBC11L74205015

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.445$ mho/m; $\epsilon_r = 38.987$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.876 mW/g

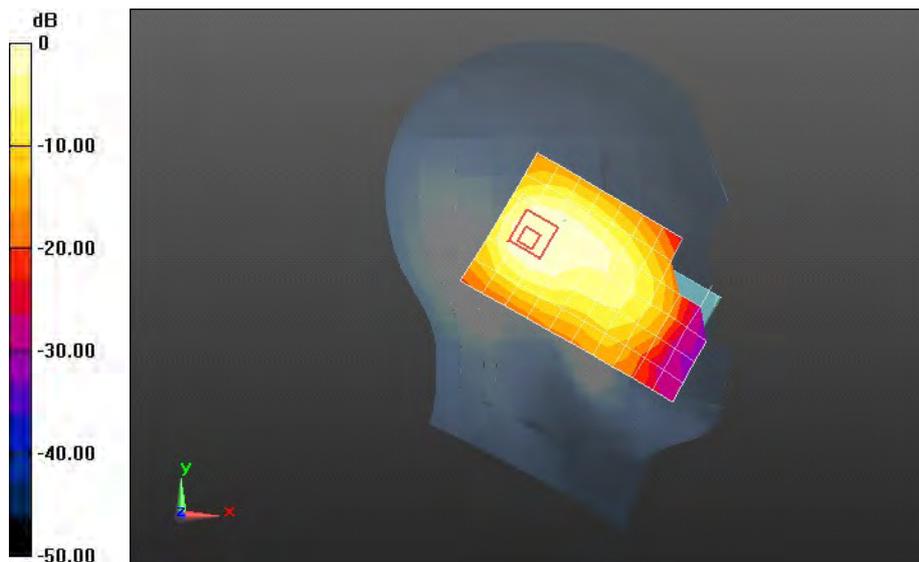
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 20.186 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.917 mW/g

SAR(1 g) = 0.979 mW/g; SAR(10 g) = 0.500 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 0.876 mW/g = -1.15 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Towards Phantom 15mm**DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.252 mW/g

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

Reference Value = 7.372 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.429 mW/g

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.281 mW/g

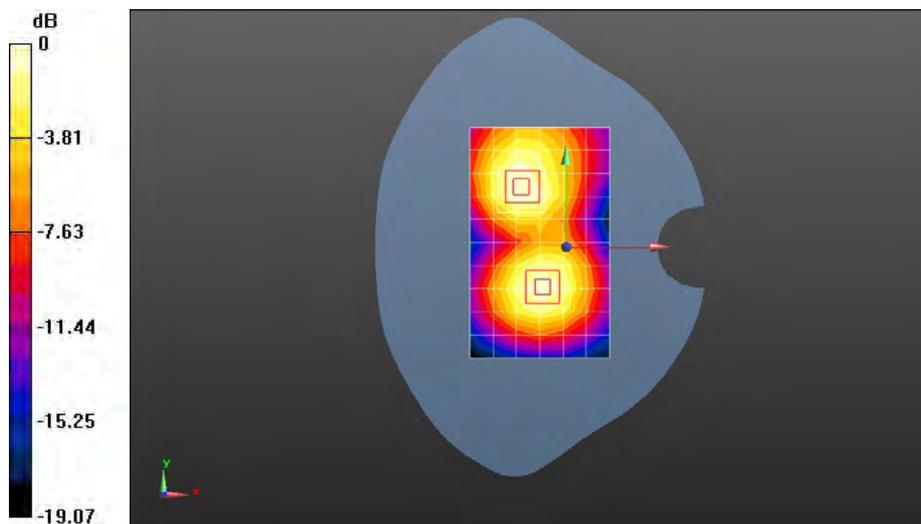
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.372 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.346 mW/g

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.140 mW/g

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



0 dB = 0.252 mW/g = -11.98 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Towards Ground 15mm

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

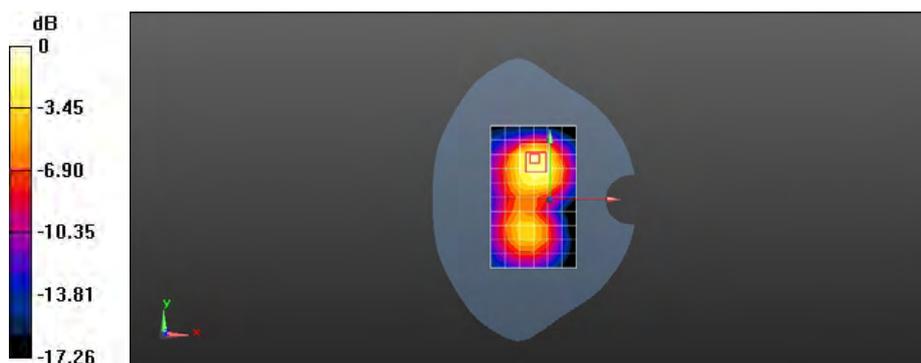
Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

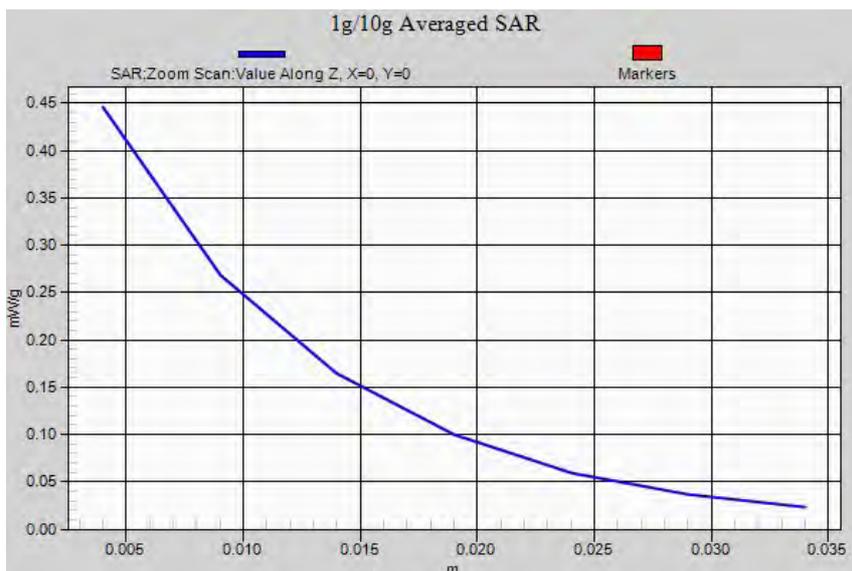
- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 0.634 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 9.292 V/m; Power Drift = 0.10 dB
 Peak SAR (extrapolated) = 1.064 mW/g
SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.352 mW/g
 Maximum value of SAR (measured) = 0.698 mW/g



0 dB = 0.698 mW/g = -3.12 dB mW/g



Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Towards Ground 15mm with HSDPA

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.627 mW/g

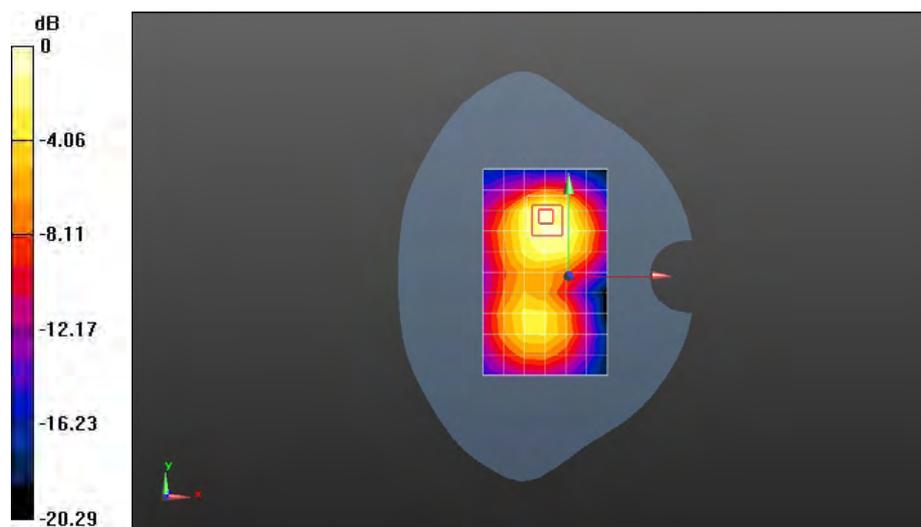
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.192 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.034 mW/g

SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.681 mW/g



0 dB = 0.627 mW/g = -4.06 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Towards Ground 15mm with Headset

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

Maximum value of SAR (measured) = 0.565 mW/g

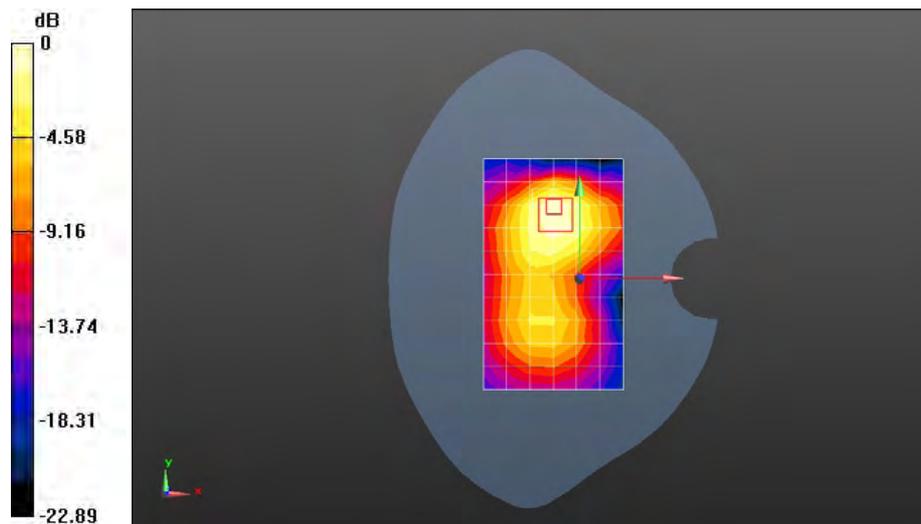
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.966 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.872 mW/g

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.294 mW/g

Maximum value of SAR (measured) = 0.556 mW/g



0 dB = 0.565 mW/g = -4.96 dB mW/g

Test Laboratory: HUAWEI SAR Lab

U5210-53 WCDMA1900 9400CH Towards Ground 15mm with battery SN-GAGBC11L74205015

DUT: U5210-53; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.571$ mho/m; $\epsilon_r = 52.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

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

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

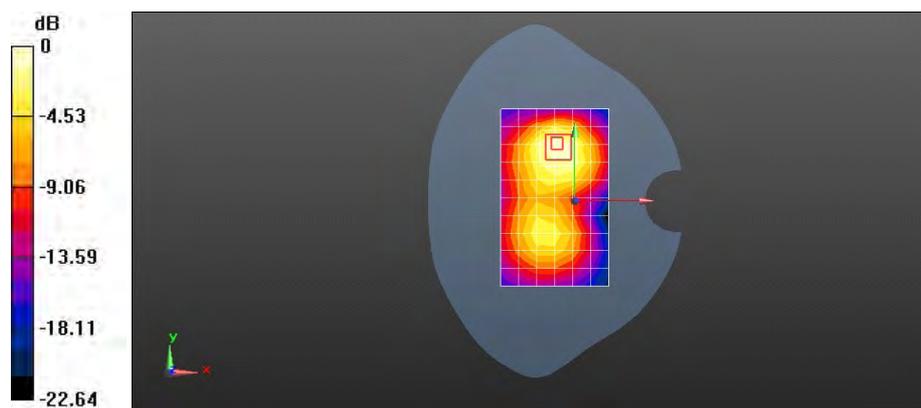
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.028 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.058 mW/g

SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.351 mW/g

Maximum value of SAR (measured) = 0.697 mW/g



0 dB = 0.670 mW/g = -3.48 dB mW/g