



## Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 190CH Left hand touch cheek

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 41.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.315 W/kg

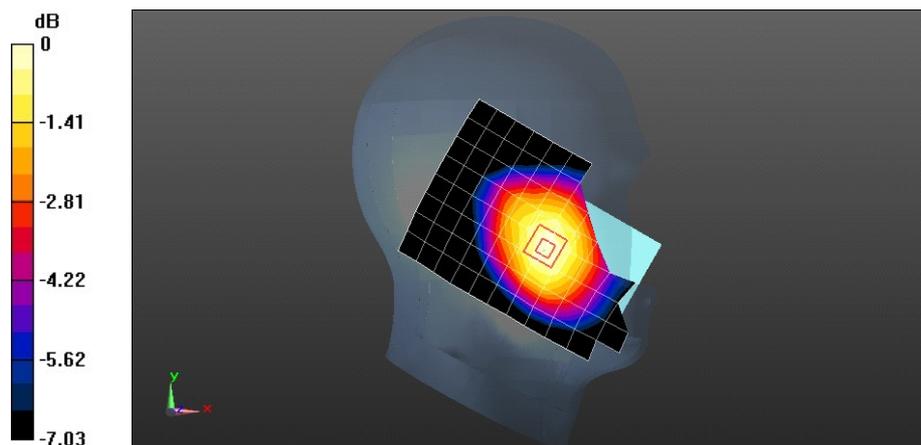
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.973 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.373 W/kg

**SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.240 W/kg**

Maximum value of SAR (measured) = 0.322 W/kg



0 dB = 0.322 W/kg = -4.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 190CH Left hand tilt 15 degree

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 41.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.220 W/kg

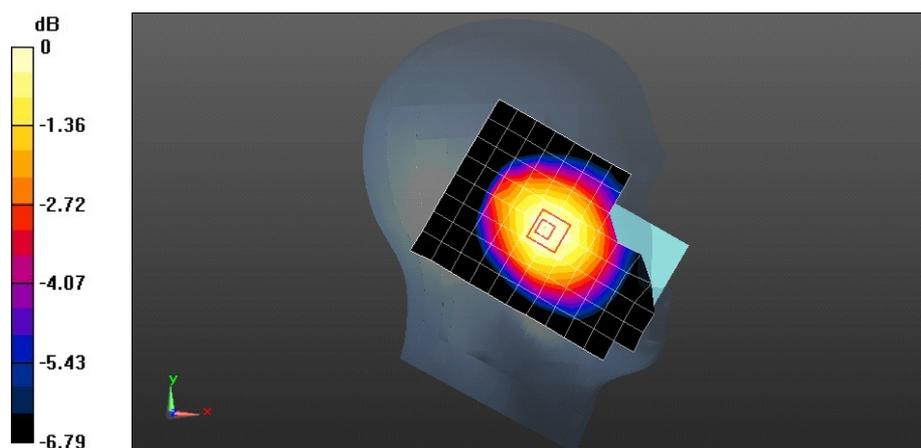
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.555 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.252 W/kg

**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 0.221 W/kg



0 dB = 0.221 W/kg = -6.55 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**G610-U15 GSM850 190CH Right hand touch cheek**

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 41.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

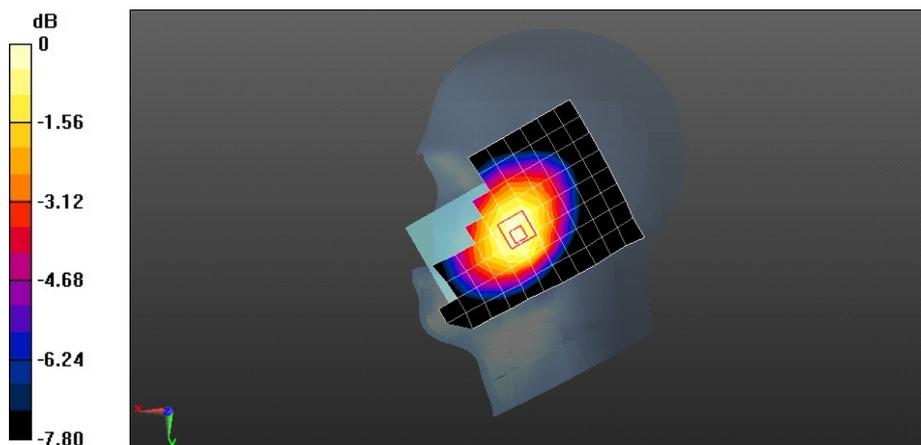
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.245 V/m; Power Drift = 0.02 dB

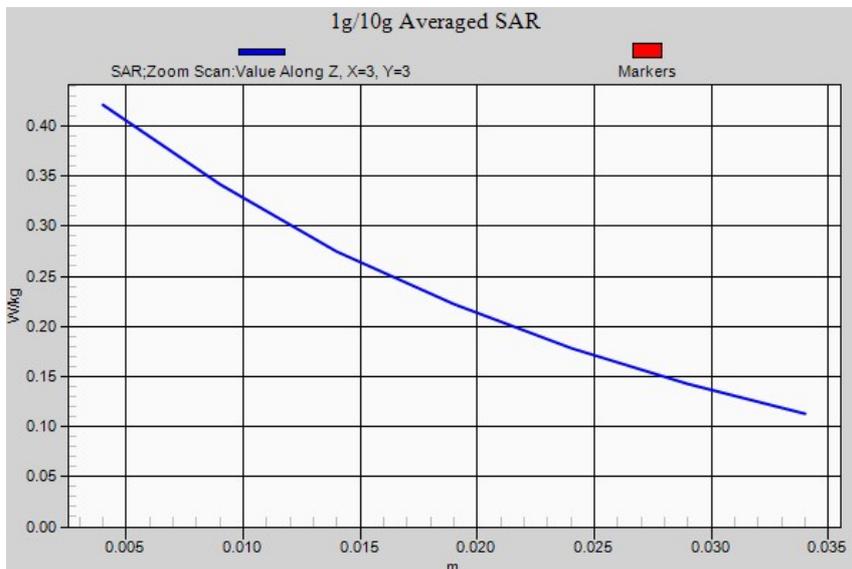
Peak SAR (extrapolated) = 0.514 W/kg

**SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.312 W/kg**

Maximum value of SAR (measured) = 0.421 W/kg



0 dB = 0.421 W/kg = -3.76 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 190CH Right hand tilt 15 degree

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 41.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.239 W/kg

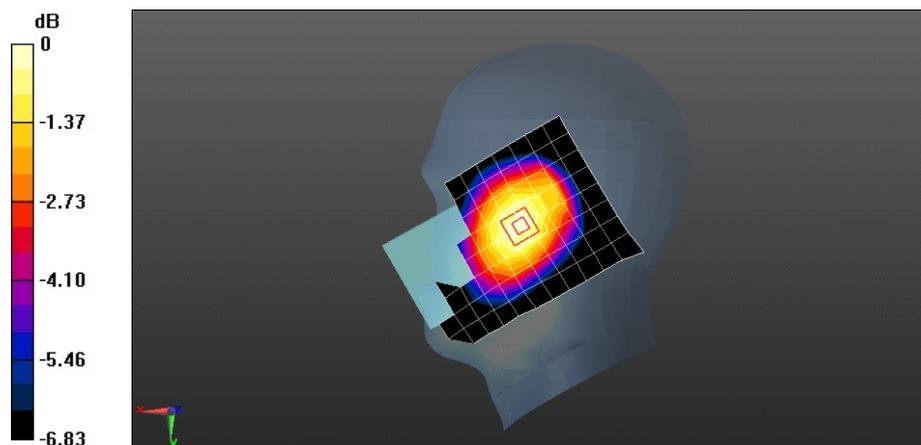
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 13.150 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.282 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.189 W/kg**

Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg = -6.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 190CH Right hand touch cheek with battery 2#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 41.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.380 W/kg

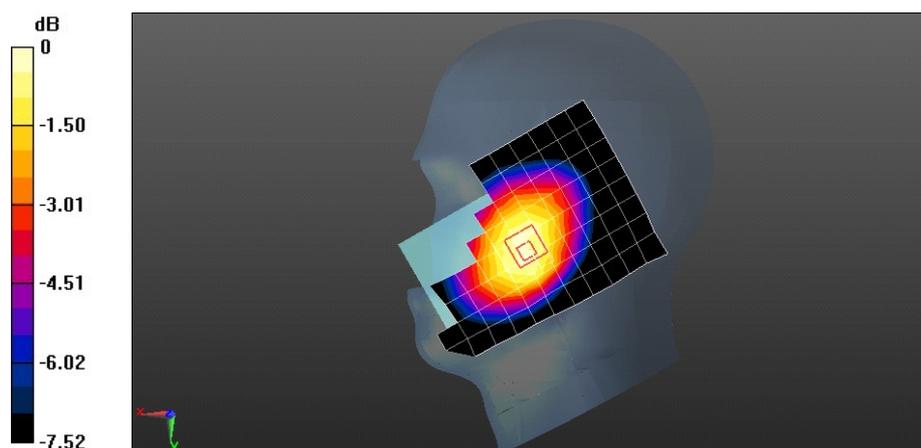
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.418 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.463 W/kg

**SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.294 W/kg**

Maximum value of SAR (measured) = 0.393 W/kg



0 dB = 0.393 W/kg = -4.05 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 190CH Right hand touch cheek with battery 3#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 41.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

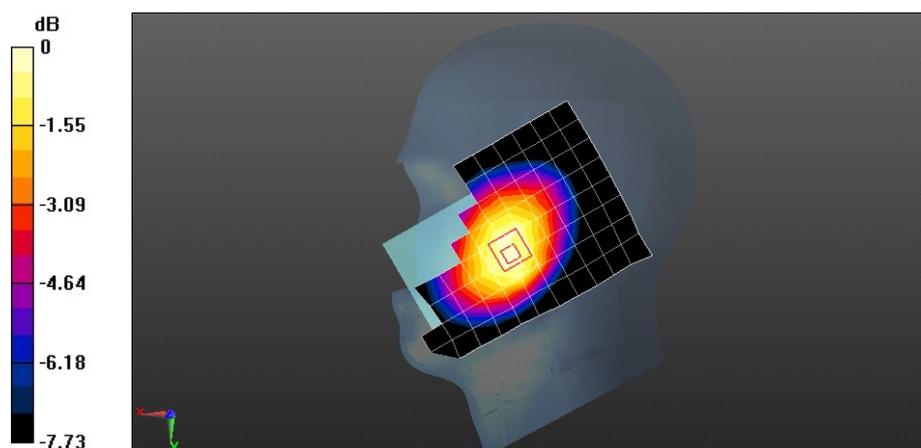
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.303 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.487 W/kg

**SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.300 W/kg**

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



0 dB = 0.403 W/kg = -3.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 190CH Towards Phantom 15mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.377 W/kg

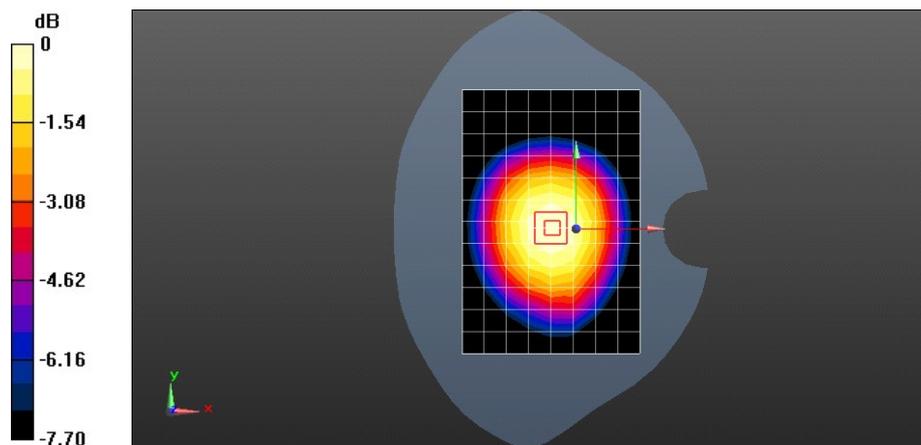
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 20.316 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.447 W/kg

**SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.278 W/kg**

Maximum value of SAR (measured) = 0.378 W/kg



0 dB = 0.378 W/kg = -4.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**G610-U15 GSM850 190CH Towards Ground 15mm****DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.573 W/kg

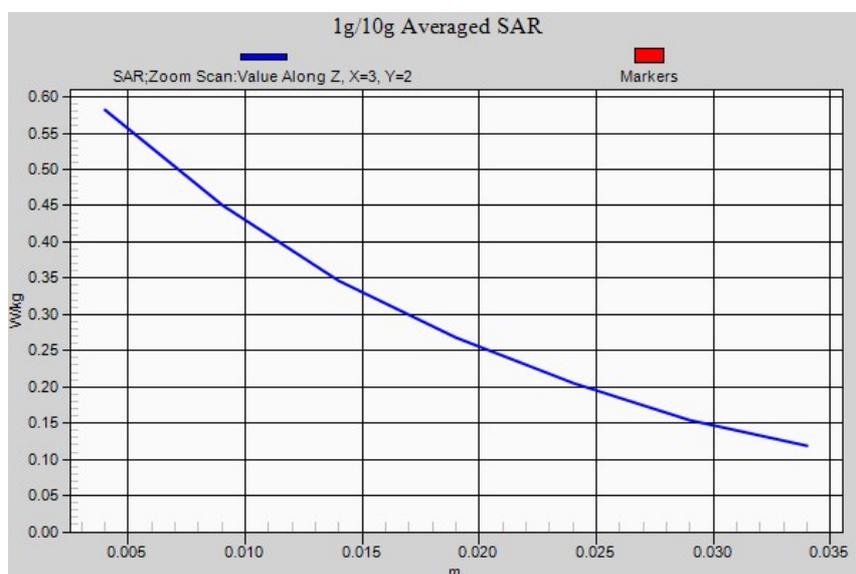
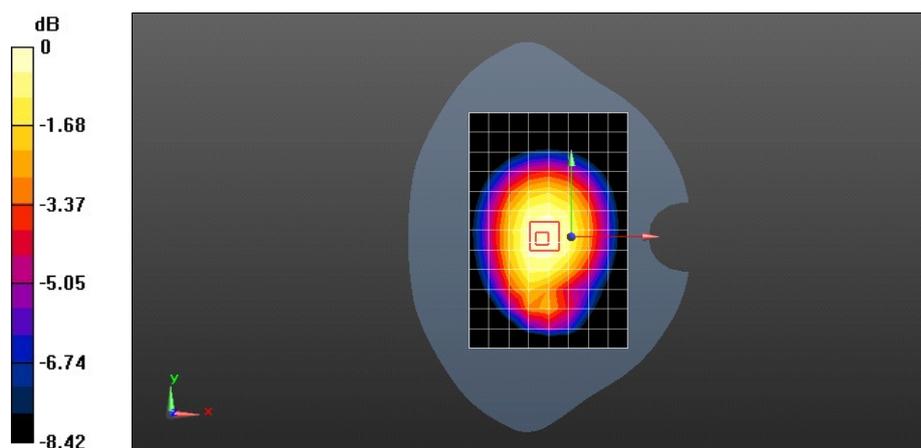
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.907 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.695 W/kg

**SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.419 W/kg**

Maximum value of SAR (measured) = 0.582 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 190CH Towards Ground 15mm with battery 2#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.532 W/kg

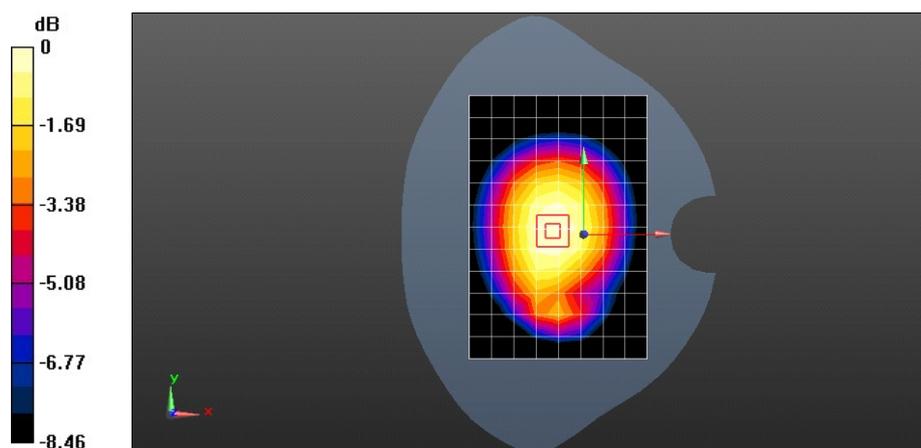
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.173 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.638 W/kg

**SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.386 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 190CH Towards Ground 15mm with battery 3#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

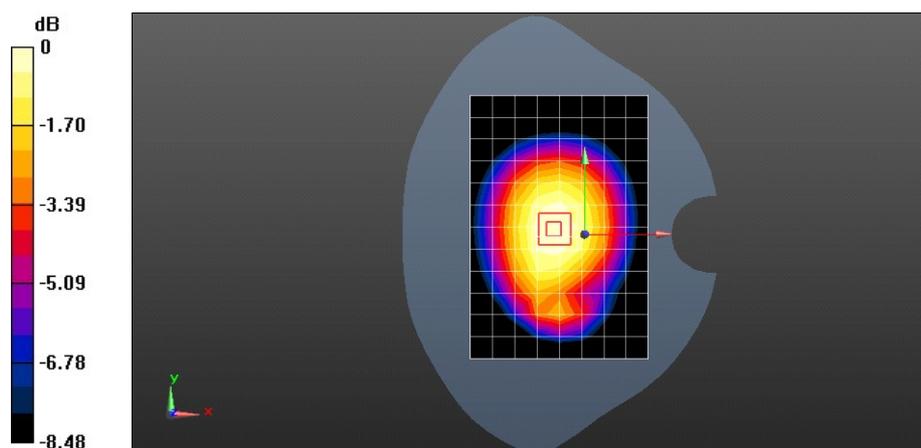
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.068 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.639 W/kg

**SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.388 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 GPRS 4TS 190CH Towards Phantom 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.703 W/kg

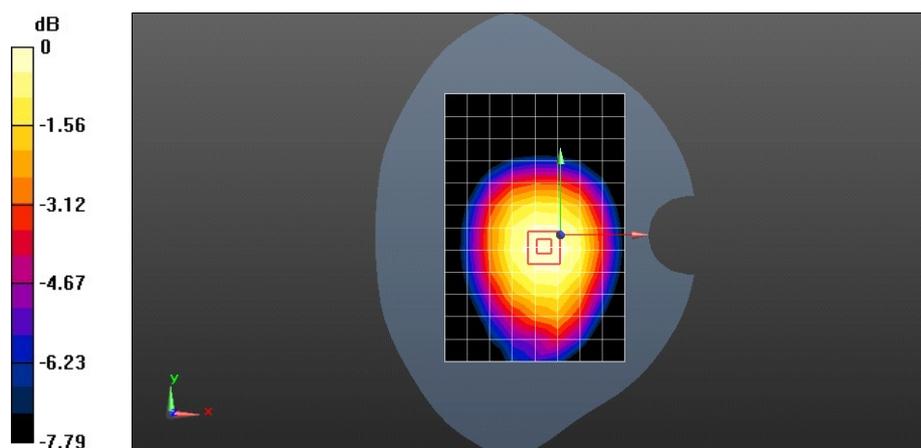
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 27.662 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.836 W/kg

**SAR(1 g) = 0.686 W/kg; SAR(10 g) = 0.531 W/kg**

Maximum value of SAR (measured) = 0.720 W/kg



0 dB = 0.720 W/kg = -1.42 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 GSM850 GPRS 4TS 190CH Towards Ground 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.19 W/kg

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

Reference Value = 34.559 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.610 W/kg**

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

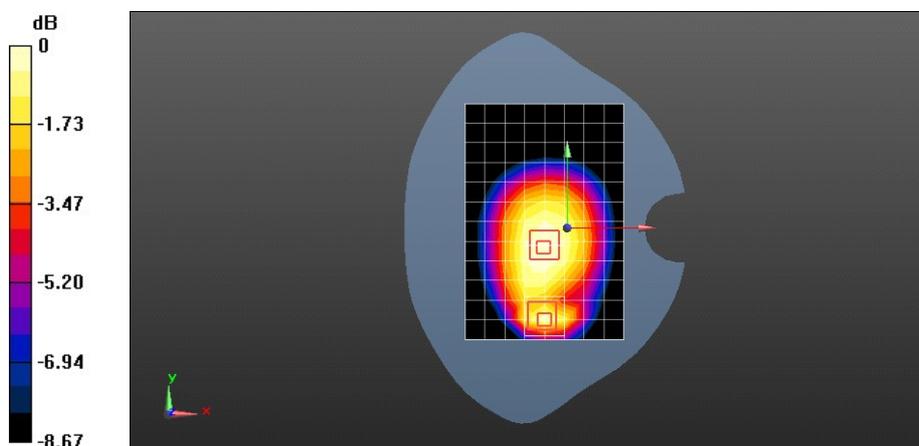
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 34.559 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.872 W/kg**

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 GSM850 GPRS 4TS 128CH Towards Ground 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 824.2 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 53.976$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 1.20 W/kg

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

Reference Value = 35.137 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.880 W/kg**

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

Maximum value of SAR (measured) = 1.21 W/kg

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

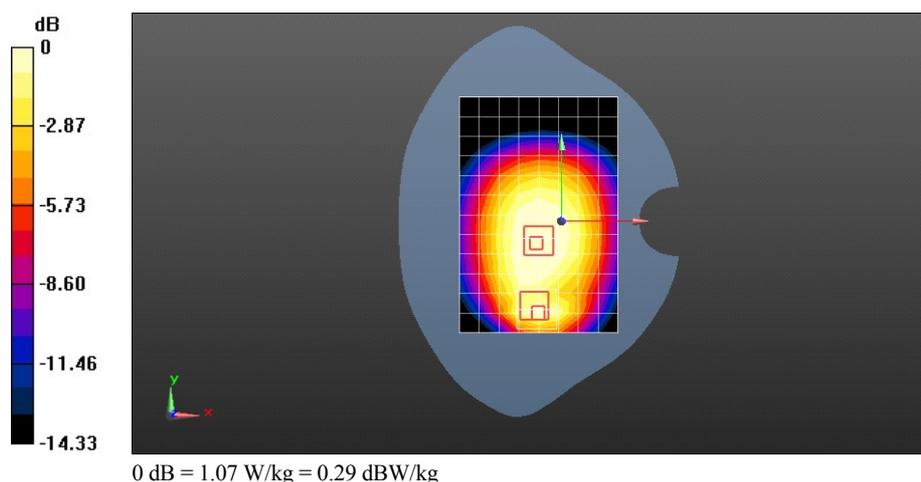
Reference Value = 35.137 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.72 W/kg

**SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.582 W/kg**

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

Maximum value of SAR (measured) = 1.07 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**G610-U15 GSM850 GPRS 4TS 251CH Towards Ground 10mm**

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 848.4 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 848.4$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 53.808$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

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

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

Reference Value = 35.758 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.50 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.910 W/kg**

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

Maximum value of SAR (measured) = 1.26 W/kg

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

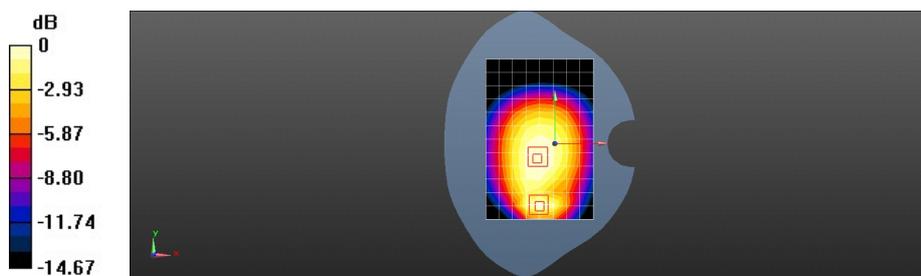
Reference Value = 35.758 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.13 W/kg

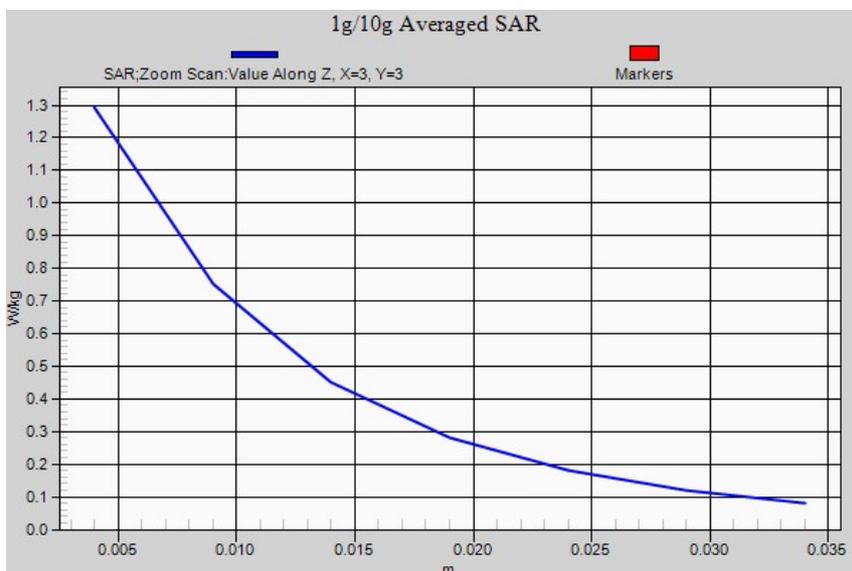
**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.655 W/kg**

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

Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 GSM850 GPRS 4TS 251CH Towards Ground 10mm-repeated

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 848.4 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 848.4$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 53.808$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 1.19 W/kg

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

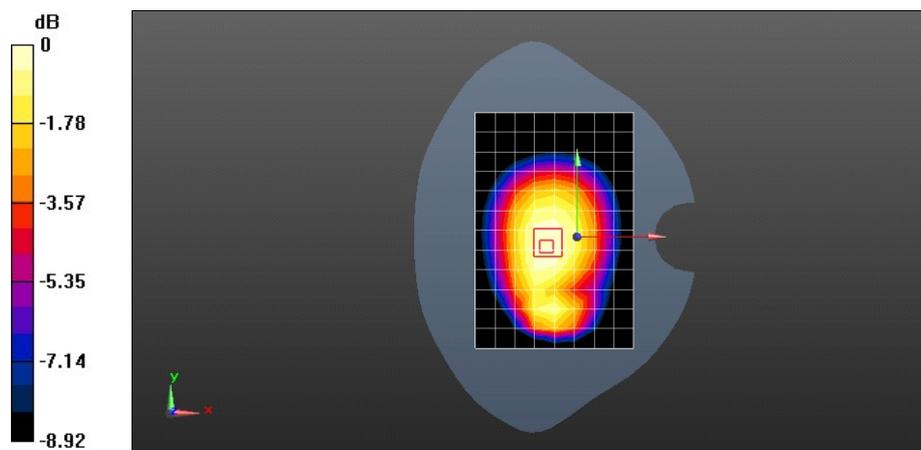
Reference Value = 35.962 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.890 W/kg**

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

Maximum value of SAR (measured) = 1.24 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 GPRS 4TS 190CH Left edge 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -28.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.709 W/kg

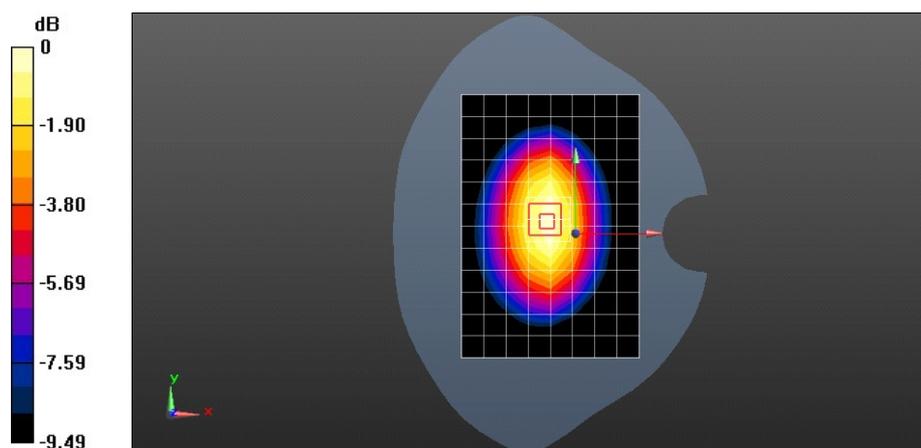
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 27.323 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.927 W/kg

**SAR(1 g) = 0.670 W/kg; SAR(10 g) = 0.465 W/kg**

Maximum value of SAR (measured) = 0.717 W/kg



0 dB = 0.717 W/kg = -1.45 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 GPRS 4TS 190CH Right edge 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.990 W/kg

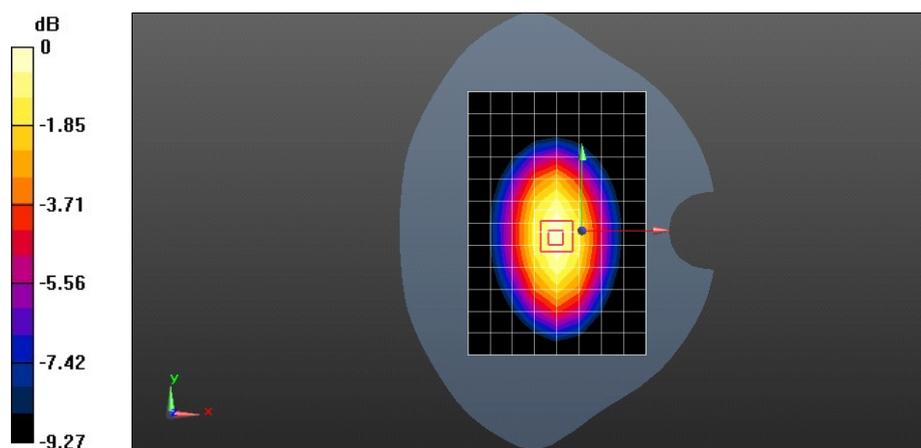
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 32.910 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.656 W/kg**

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



0 dB = 1.02 W/kg = 0.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 GPRS 4TS 128CH Right edge 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 824.2 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 53.976$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

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

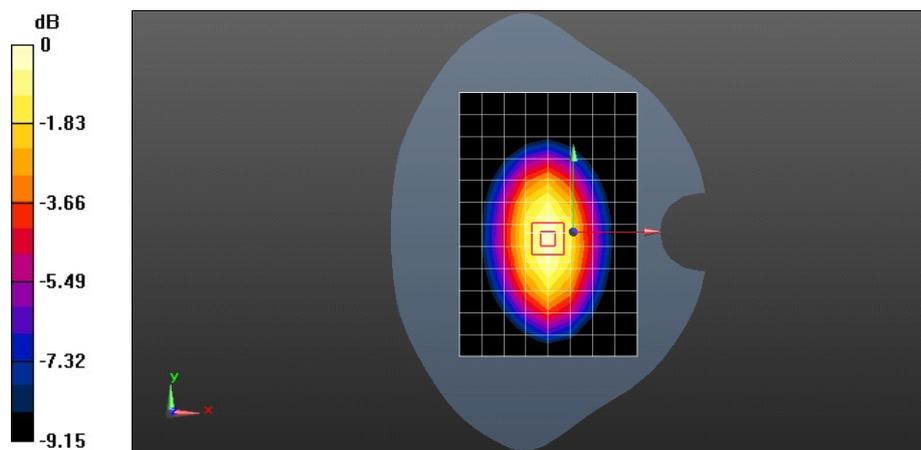
Reference Value = 33.232 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.953 W/kg; SAR(10 g) = 0.666 W/kg**

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

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



0 dB = 1.03 W/kg = 0.11 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 GPRS 4TS 251CH Right edge 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 848.4 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 848.4$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 53.808$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.980 W/kg

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

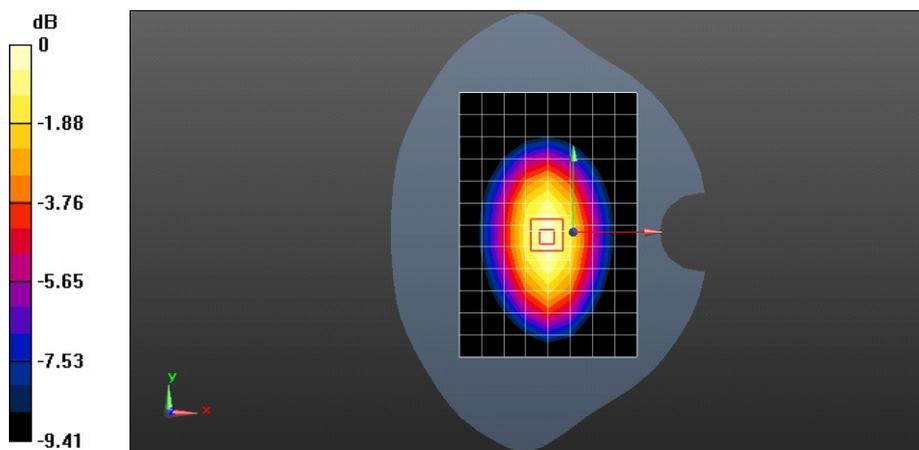
Reference Value = 32.759 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.645 W/kg**

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 GPRS 4TS 190CH Bottom edge 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.233 W/kg

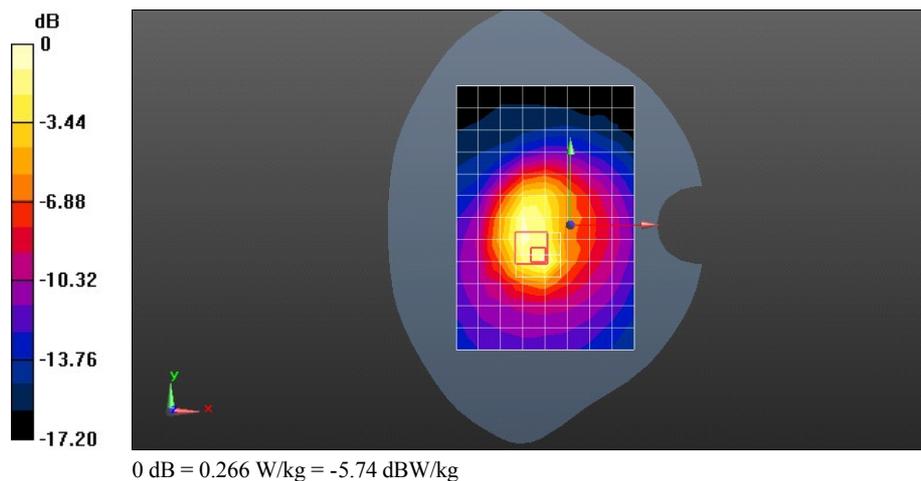
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.822 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.540 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.266 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 GSM850 GPRS 4TS 251CH Towards Ground 10mm with battery 2#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 848.4 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 848.4$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 53.808$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 1.19 W/kg

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

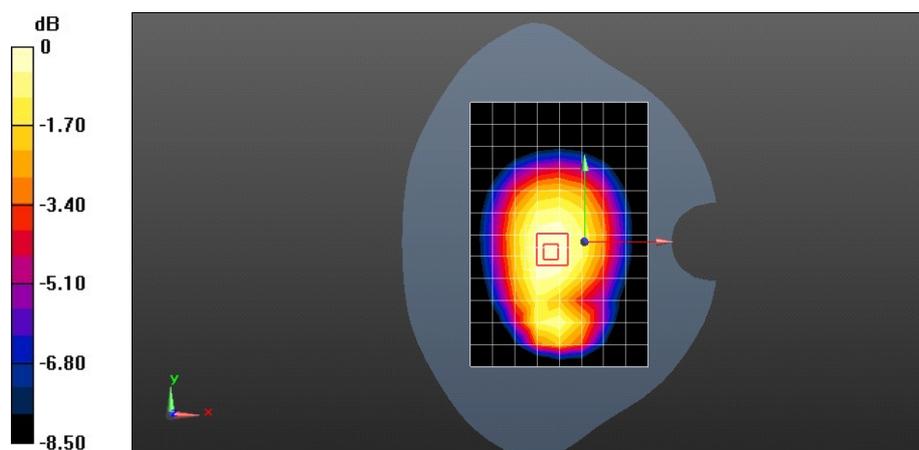
Reference Value = 35.870 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.896 W/kg**

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

Maximum value of SAR (measured) = 1.24 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM850 GPRS 4TS 251CH Towards Ground 10mm with battery 3#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 848.4 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 848.4$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 53.808$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 1.22 W/kg

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

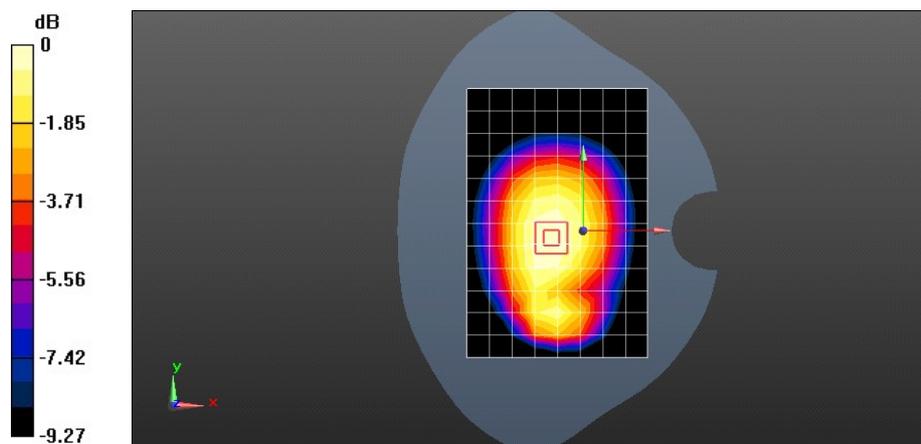
Reference Value = 36.285 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.901 W/kg**

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

Maximum value of SAR (measured) = 1.26 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**G610-U15 GSM1900 661CH Left hand touch cheek**

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 40.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.317 W/kg

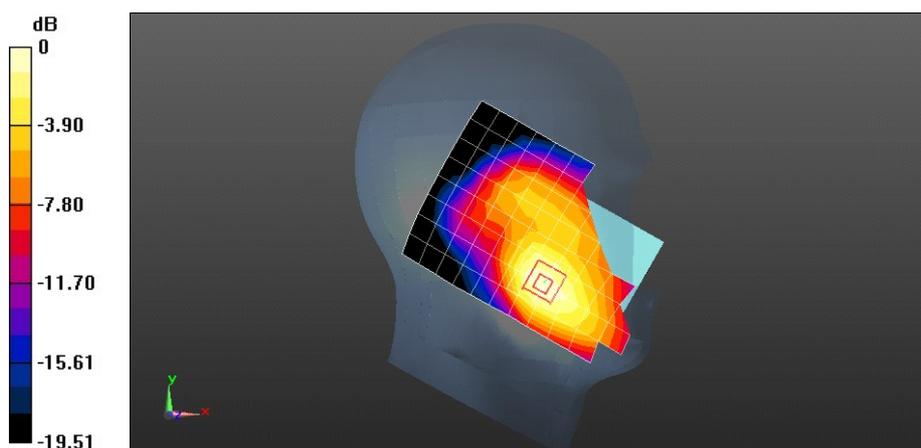
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.213 V/m; Power Drift = 0.07 dB

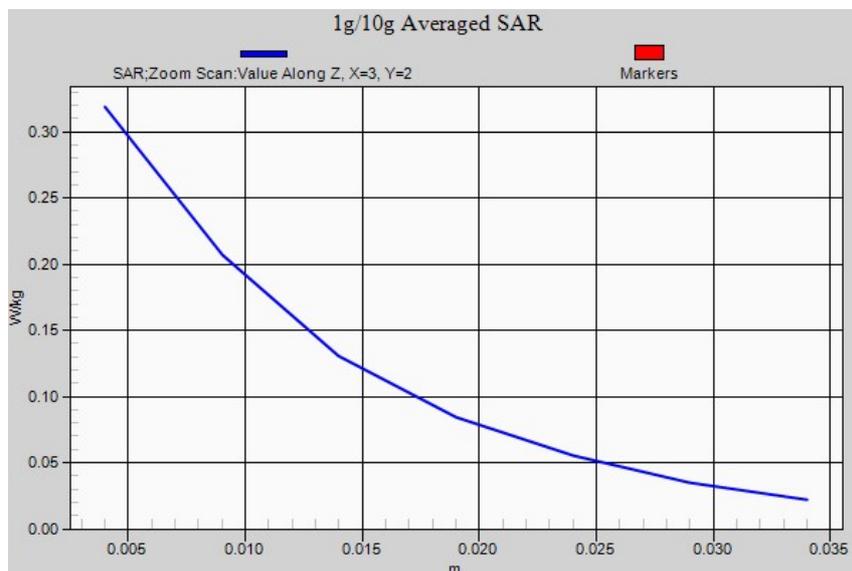
Peak SAR (extrapolated) = 0.473 W/kg

**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.178 W/kg**

Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 661CH Left hand tilt 15 degree

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 40.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

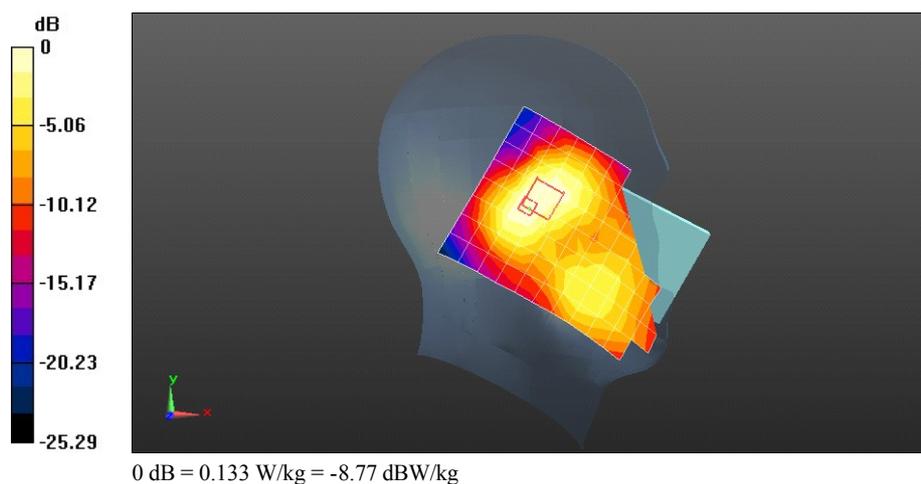
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.485 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.204 W/kg

**SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.076 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 GSM1900 661CH Right hand touch cheek

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 40.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.163 W/kg

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

Reference Value = 6.451 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.244 W/kg

**SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.103 W/kg**

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

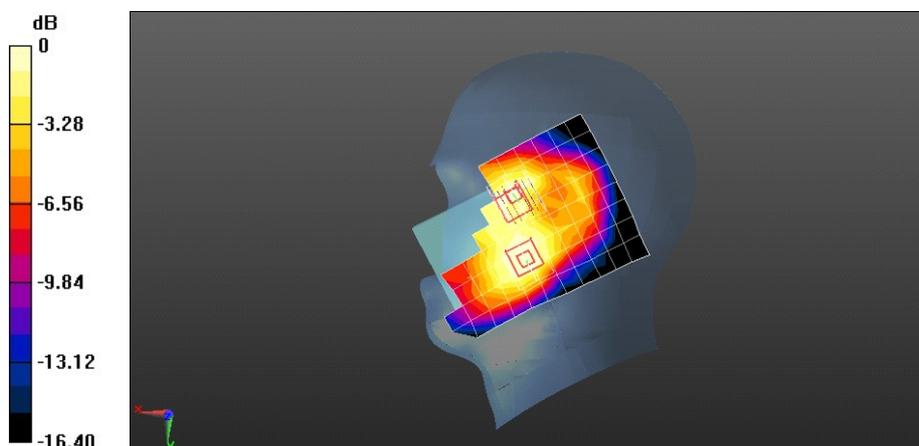
**Configuration/Head/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.451 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.232 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.089 W/kg**

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg = -8.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 661CH Right hand tilt 15 degree

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 40.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.136 W/kg

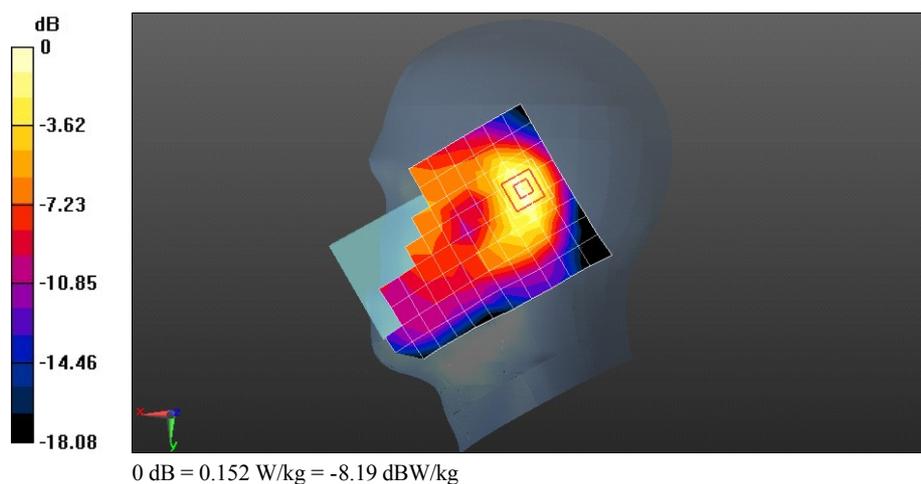
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.803 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.230 W/kg

**SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.077 W/kg**

Maximum value of SAR (measured) = 0.152 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 661CH Left hand touch cheek with battery 2#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 40.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

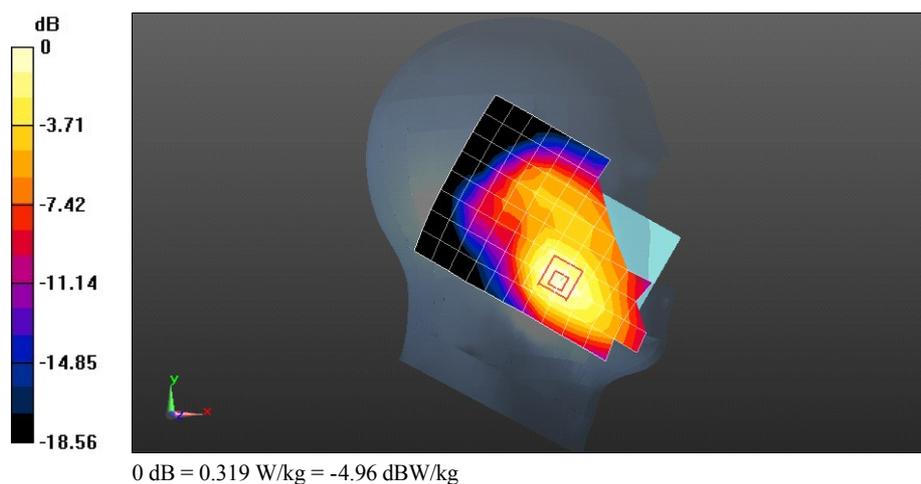
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.182 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.471 W/kg

**SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.176 W/kg**

Maximum value of SAR (measured) = 0.319 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 661CH Left hand touch cheek with battery 3#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.396$  S/m;  $\epsilon_r = 40.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.295 W/kg

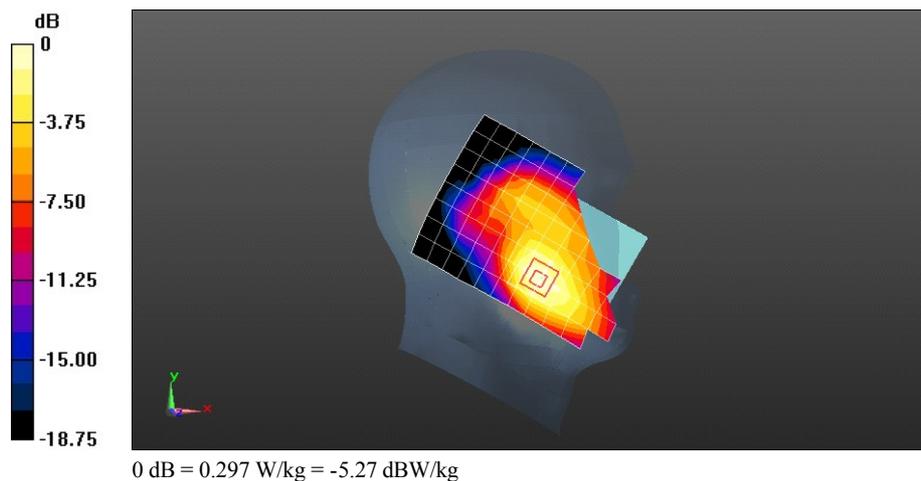
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.062 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.438 W/kg

**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.166 W/kg**

Maximum value of SAR (measured) = 0.297 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 GSM1900 661CH Towards Phantom 15mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.229 W/kg

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

Reference Value = 8.414 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.338 W/kg

**SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.127 W/kg**

Maximum value of SAR (measured) = 0.226 W/kg

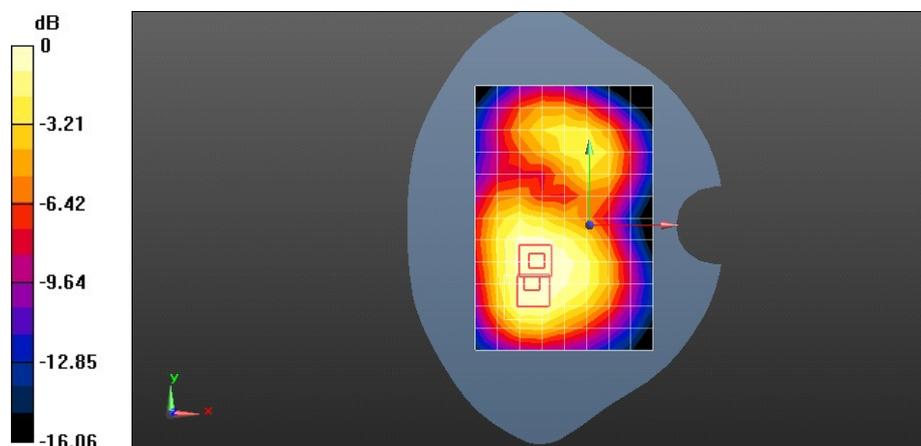
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.414 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.331 W/kg

**SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.139 W/kg**

Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg = -6.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 661CH Towards Ground 15mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

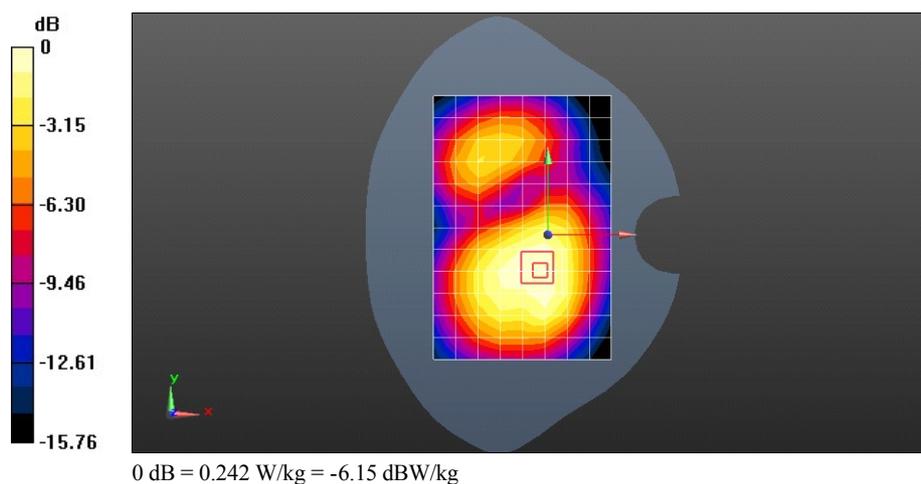
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.004 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.352 W/kg

**SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.141 W/kg**

Maximum value of SAR (measured) = 0.242 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 661CH Towards Ground 15mm with battery 2#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

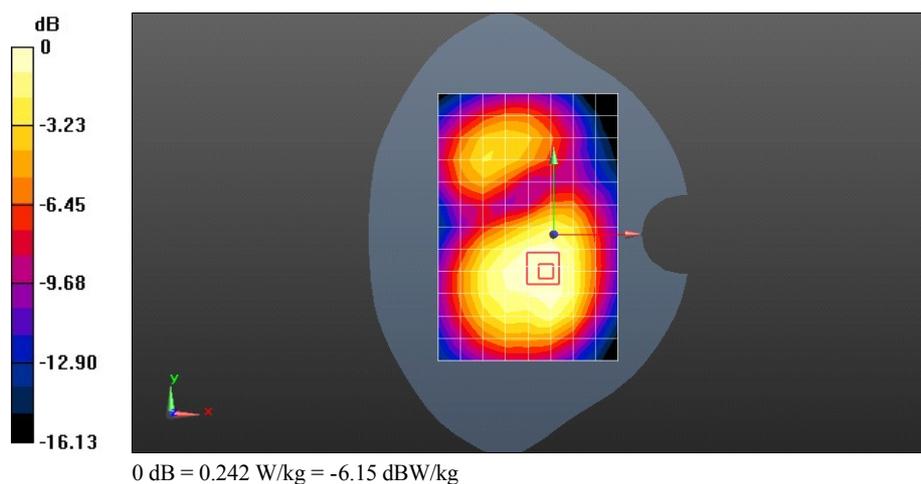
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.972 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.350 W/kg

**SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.142 W/kg**

Maximum value of SAR (measured) = 0.242 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**G610-U15 GSM1900 661CH Towards Ground 15mm with battery 3#****DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.242 W/kg

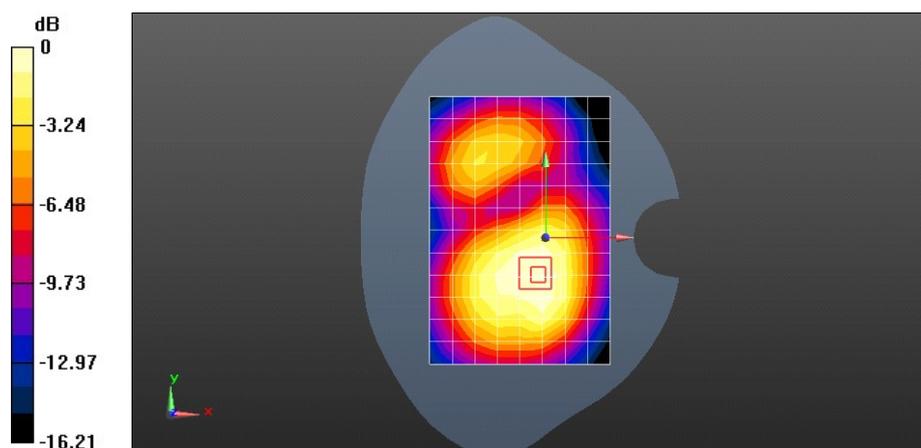
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.007 V/m; Power Drift = -0.07 dB

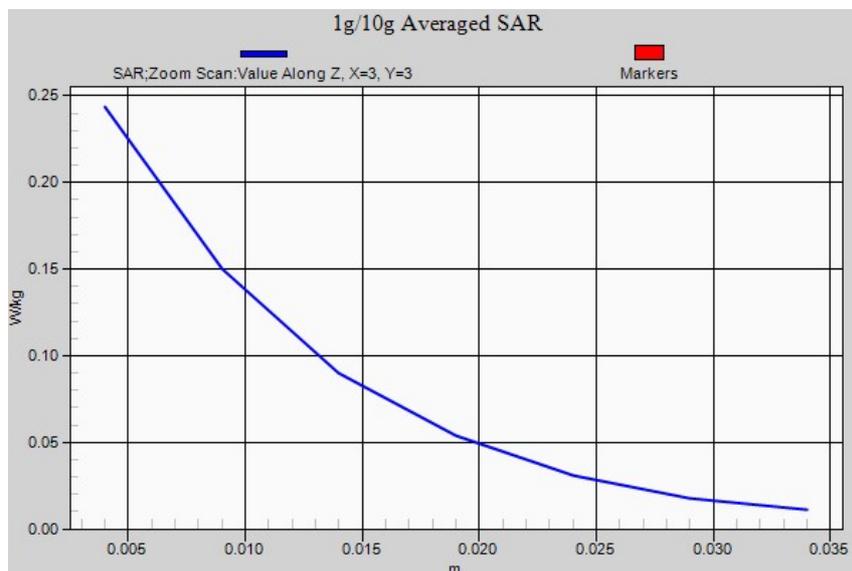
Peak SAR (extrapolated) = 0.359 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.142 W/kg**

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 GPRS 4TS 661CH Towards Phantom 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.609 W/kg

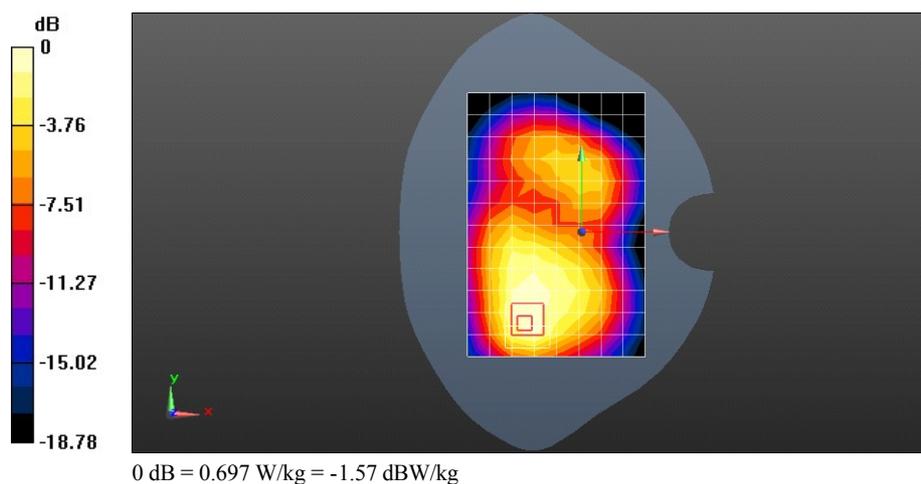
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.440 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.365 W/kg**

Maximum value of SAR (measured) = 0.697 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 GSM1900 GPRS 4TS 512CH Towards Phantom 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1850.2 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.451$  S/m;  $\epsilon_r = 53.634$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

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

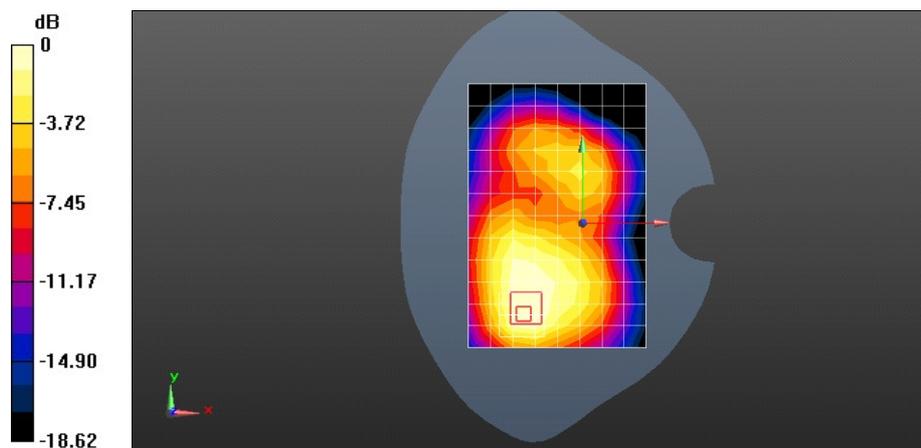
Reference Value = 9.455 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.903 W/kg

**SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.316 W/kg**

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

Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.579 W/kg = -2.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 GPRS 4TS 810CH Towards Phantom 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1910 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.531$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.633 W/kg

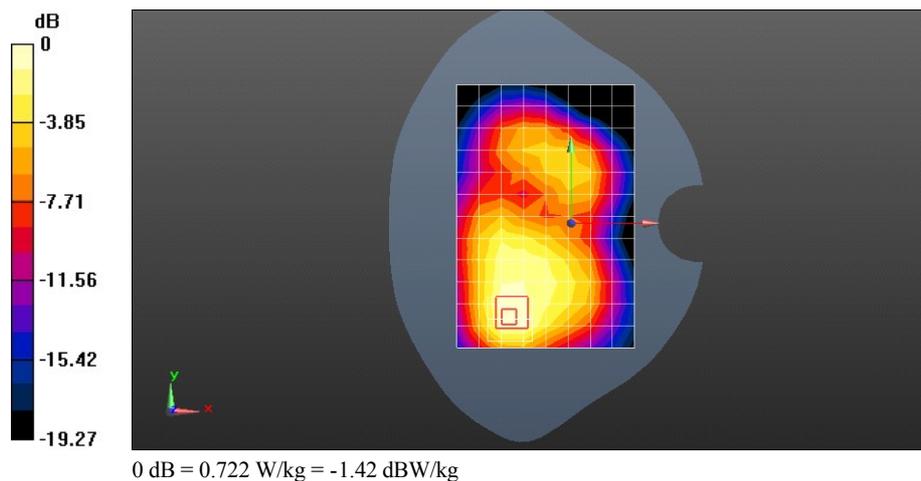
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.134 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.370 W/kg**

Maximum value of SAR (measured) = 0.722 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 GPRS 4TS 661CH Towards Ground 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.796 W/kg

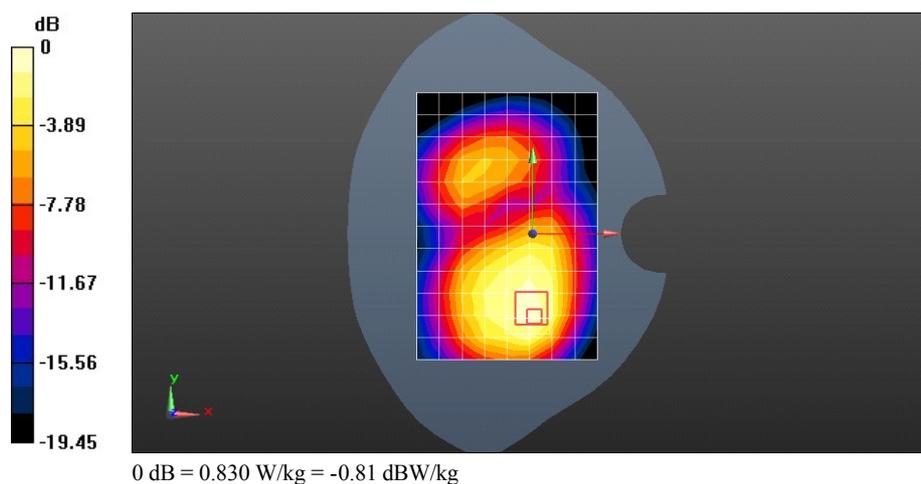
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.764 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.418 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 GSM1900 GPRS 4TS 512CH Towards Ground 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1850.2 MHz; Duty Cycle: 1:2.0797

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.451$  S/m;  $\epsilon_r = 53.634$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.759 W/kg

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

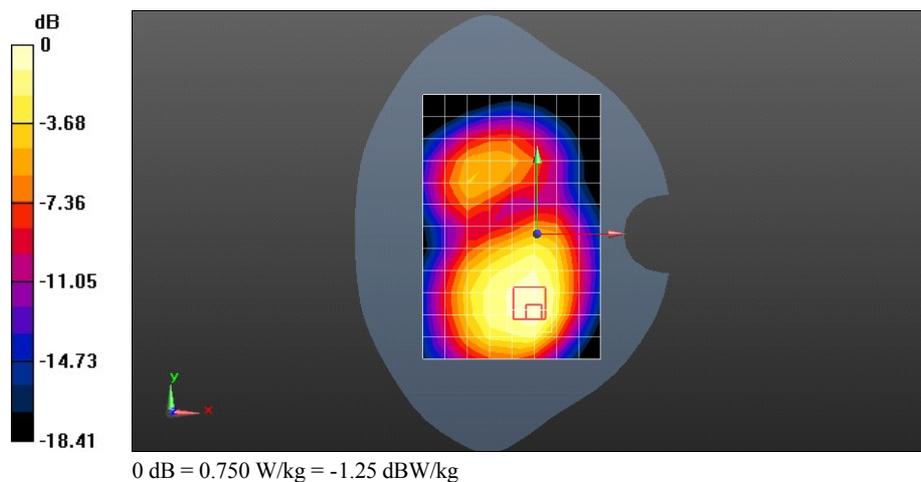
Reference Value = 10.921 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.404 W/kg**

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

Maximum value of SAR (measured) = 0.750 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 GPRS 4TS 810CH Towards Ground 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1910 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.531$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

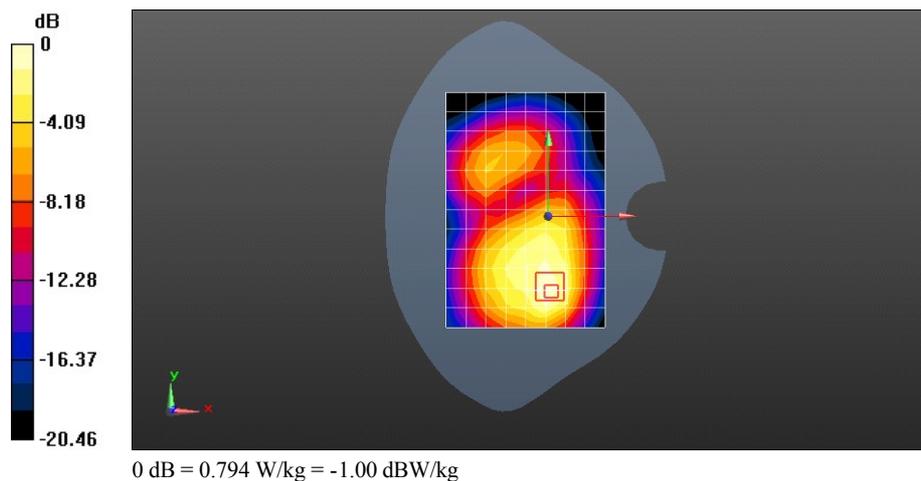
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.147 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.389 W/kg**

Maximum value of SAR (measured) = 0.794 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 GPRS 4TS 661CH Left edge 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.418 W/kg

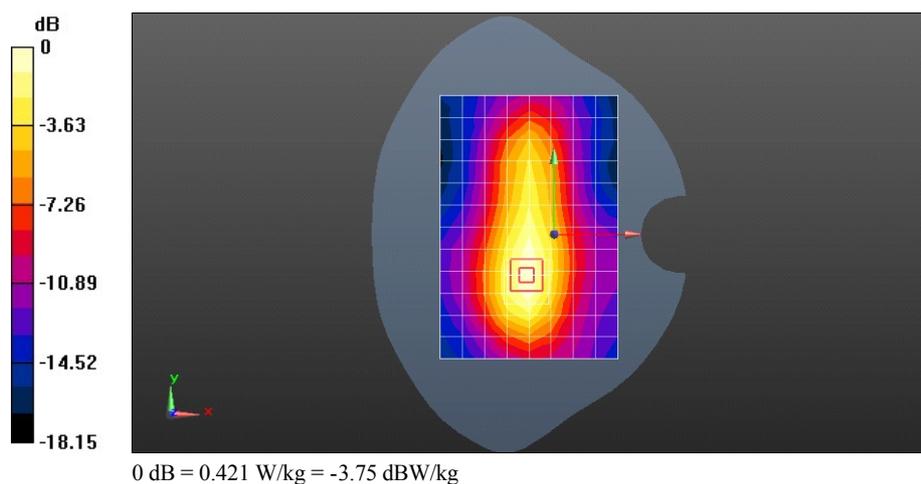
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.042 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.645 W/kg

**SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.219 W/kg**

Maximum value of SAR (measured) = 0.421 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 GPRS 4TS 661CH Right edge 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.171 W/kg

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

Reference Value = 5.731 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.274 W/kg

**SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 0.183 W/kg

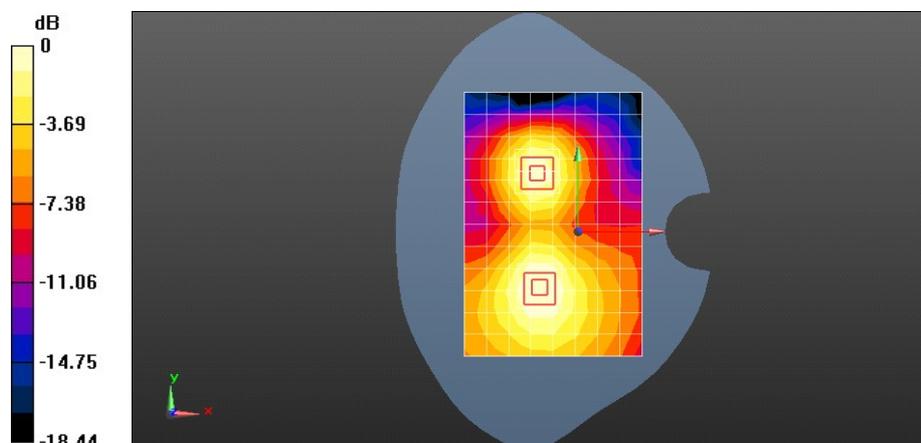
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.731 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.245 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.083 W/kg**

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg = -7.99 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 GPRS 4TS 661CH Bottom edge 10mm

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

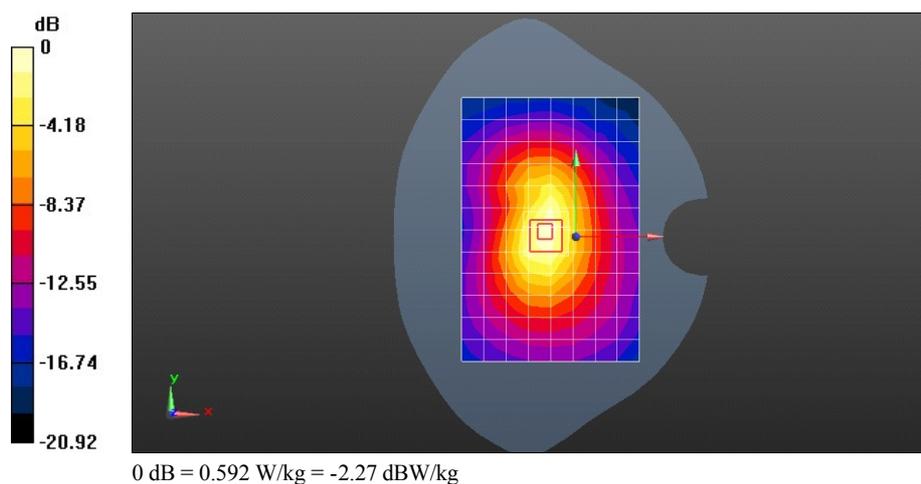
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.727 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.283 W/kg**

Maximum value of SAR (measured) = 0.592 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 GSM1900 GPRS 4TS 661CH Towards Ground 10mm with battery 2#

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.724 W/kg

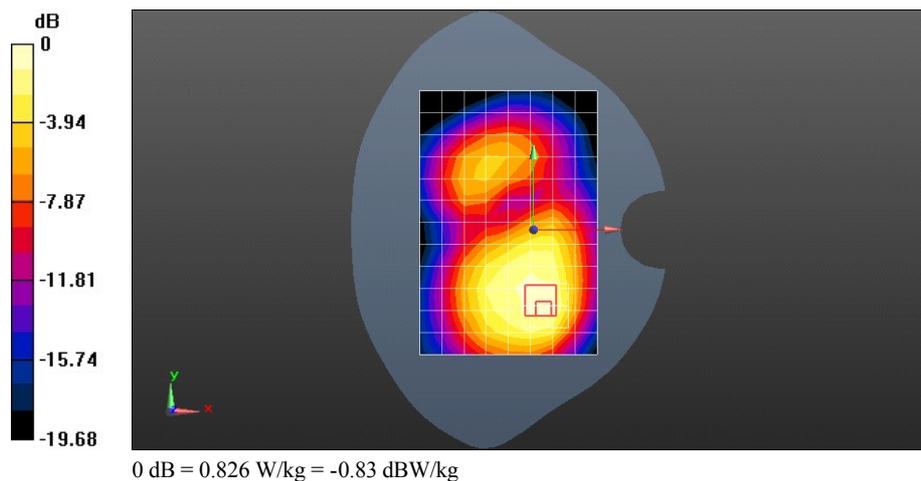
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.164 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.751 W/kg; SAR(10 g) = 0.422 W/kg**

Maximum value of SAR (measured) = 0.826 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**G610-U15 GSM1900 GPRS 4TS 661CH Towards Ground 10mm with battery 3#****DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz; Duty Cycle: 1:2.0797

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.739 W/kg

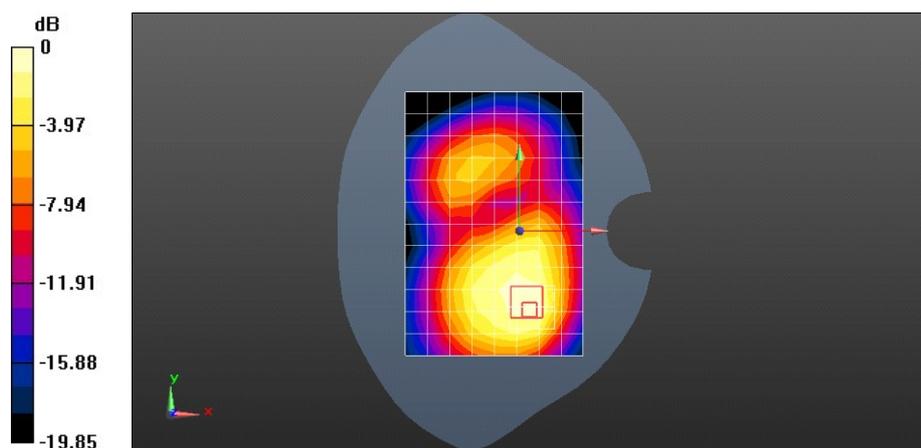
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.117 V/m; Power Drift = -0.05 dB

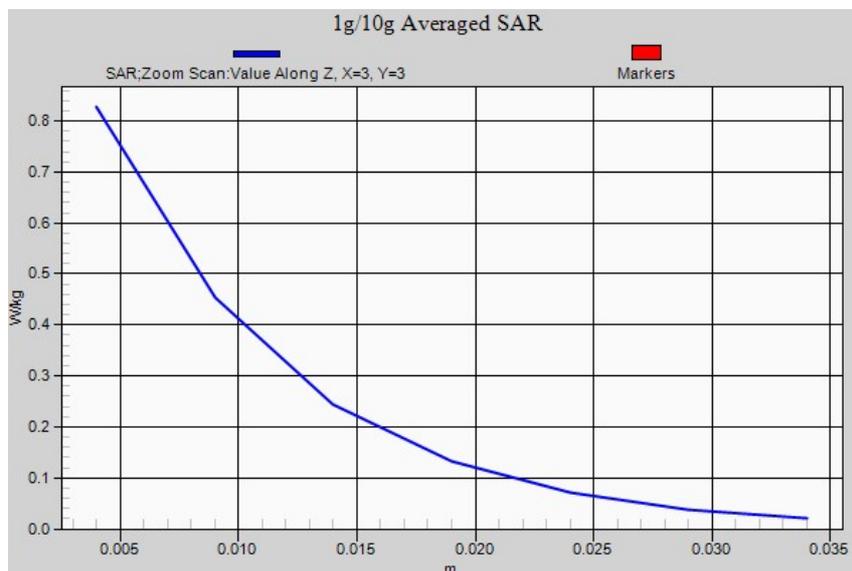
Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.422 W/kg**

Maximum value of SAR (measured) = 0.827 W/kg



0 dB = 0.827 W/kg = -0.82 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 UMTS Band V 4182CH Left hand touch cheek

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.918$  S/m;  $\epsilon_r = 41.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.268 W/kg

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

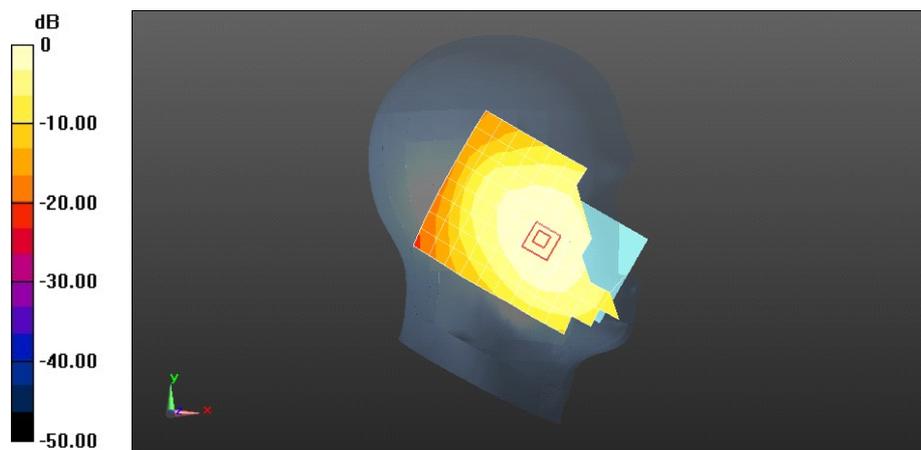
Reference Value = 9.013 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.325 W/kg

**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.201 W/kg**

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

Maximum value of SAR (measured) = 0.278 W/kg



0 dB = 0.268 W/kg = -5.72 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### G610-U15 UMTS Band V 4182CH Left hand tilt 15 degree

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.918$  S/m;  $\epsilon_r = 41.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.193 W/kg

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

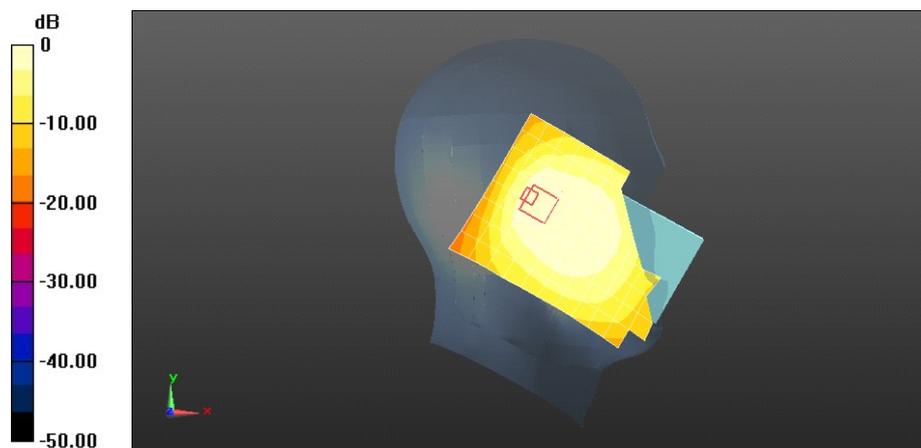
Reference Value = 14.362 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.326 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.119 W/kg**

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

Maximum value of SAR (measured) = 0.183 W/kg



0 dB = 0.193 W/kg = -7.15 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 UMTS Band V 4182CH Right hand touch cheek

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.918$  S/m;  $\epsilon_r = 41.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

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

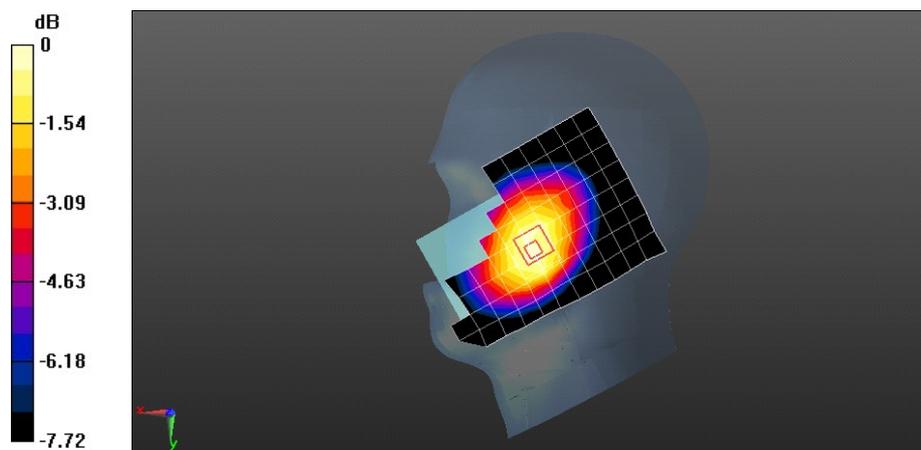
Reference Value = 9.071 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.414 W/kg

**SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.264 W/kg**

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

## G610-U15 UMTS Band V 4182CH Right hand till 15 degree

**DUT: G610-U15; Type: WCDMA Digital Mobile Phone; Serial: SAR1**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.918$  S/m;  $\epsilon_r = 41.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

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

Reference Value = 13.198 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.242 W/kg

**SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.164 W/kg**

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

Maximum value of SAR (measured) = 0.215 W/kg

