



Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

H215G GSM850 251CH Left hand touch check with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 848.8 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 849$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 41.968$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Head/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.901 W/kg

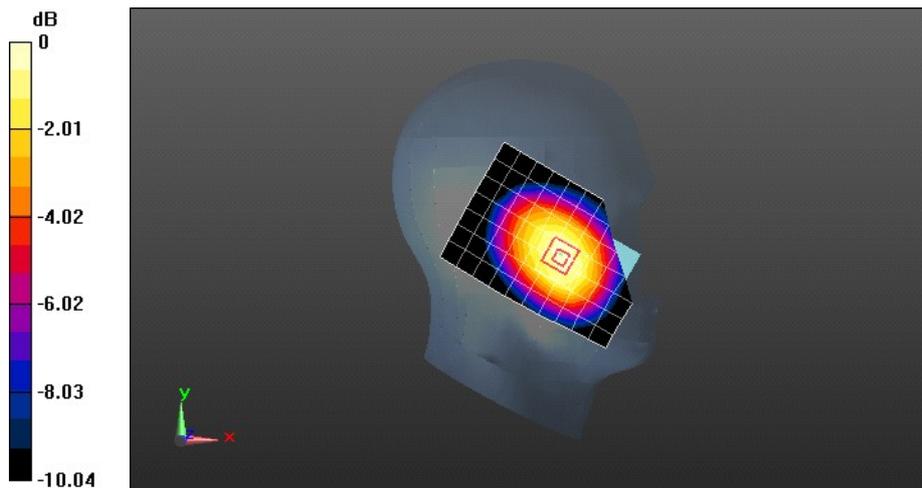
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.429 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.627 W/kg

Maximum value of SAR (measured) = 0.910 W/kg



0 dB = 0.910 W/kg = -0.41 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

H215G GSM850 190CH Towards Ground 15mm with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 52.705$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.886 W/kg

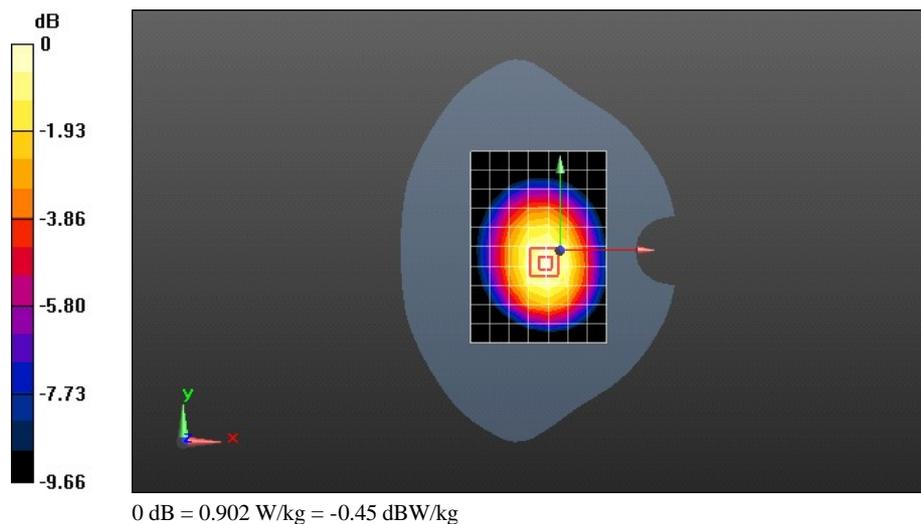
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 30.296 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.616 W/kg

Maximum value of SAR (measured) = 0.902 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H215G GSM1900 661CH Left hand touch cheek with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.406$ S/m; $\epsilon_r = 40.958$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Head/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

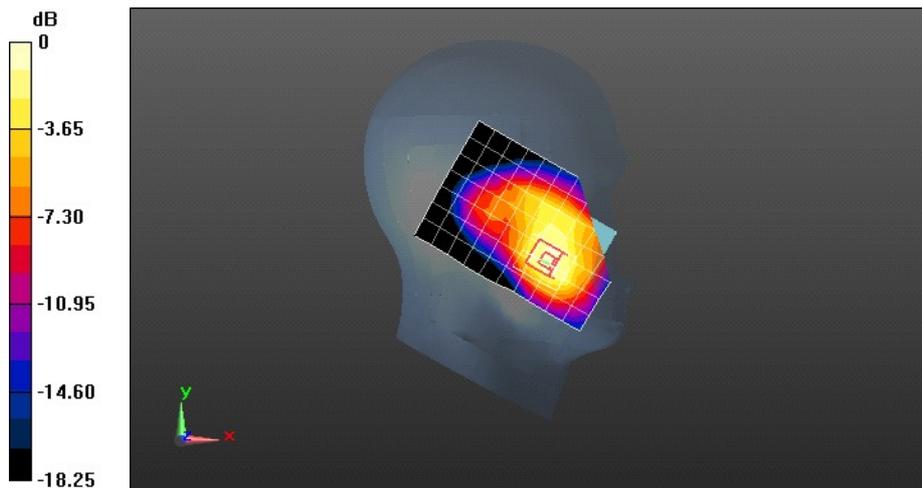
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.064 V/m; Power Drift = -0.01 dB

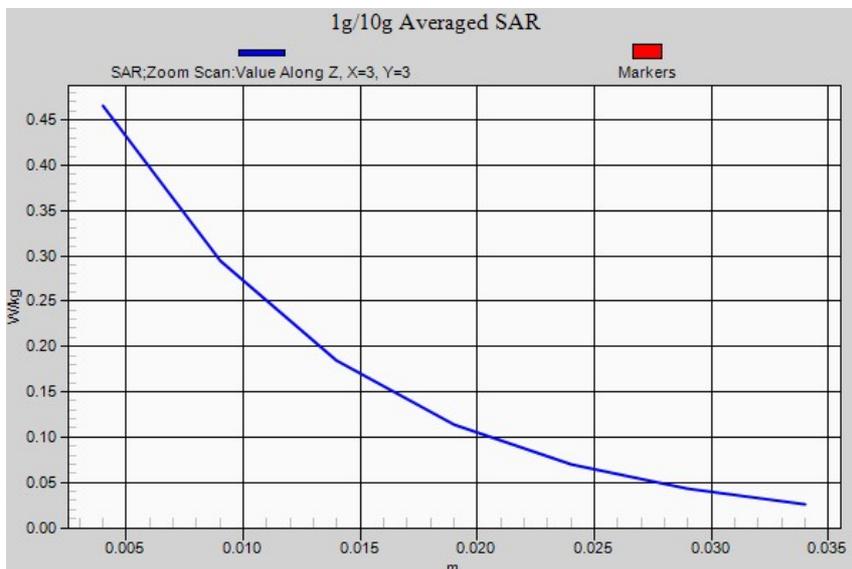
Peak SAR (extrapolated) = 0.664 W/kg

SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 0.465 W/kg



0 dB = 0.465 W/kg = -3.33 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H215G GSM1900 661CH Towards Ground 15mm with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 53.428$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

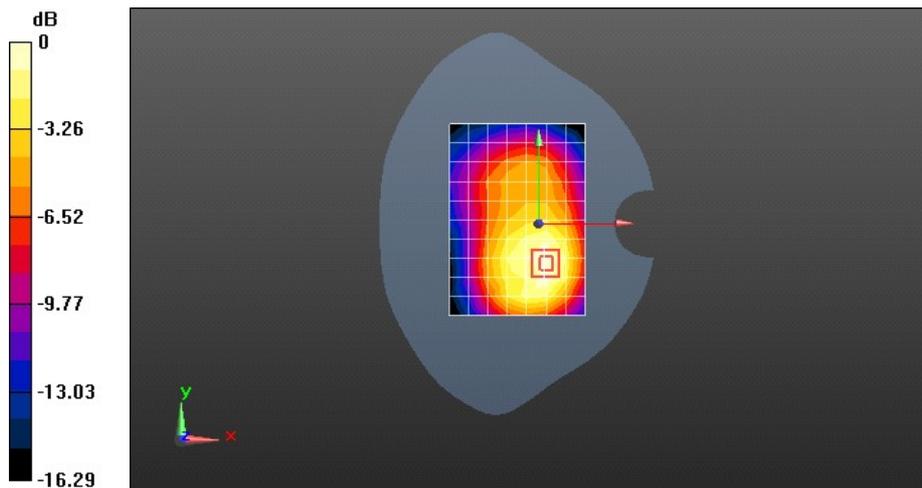
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.614 V/m; Power Drift = -0.05 dB

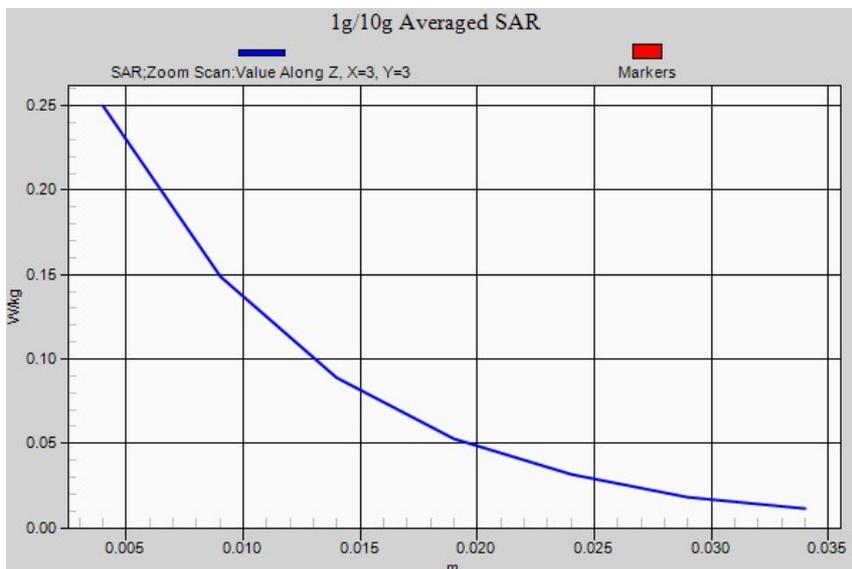
Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.250 W/kg



0 dB = 0.250 W/kg = -6.02 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H215G UMTS Band V 4233CH Left hand touch check with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 847$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 41.768$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Head/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.890 W/kg

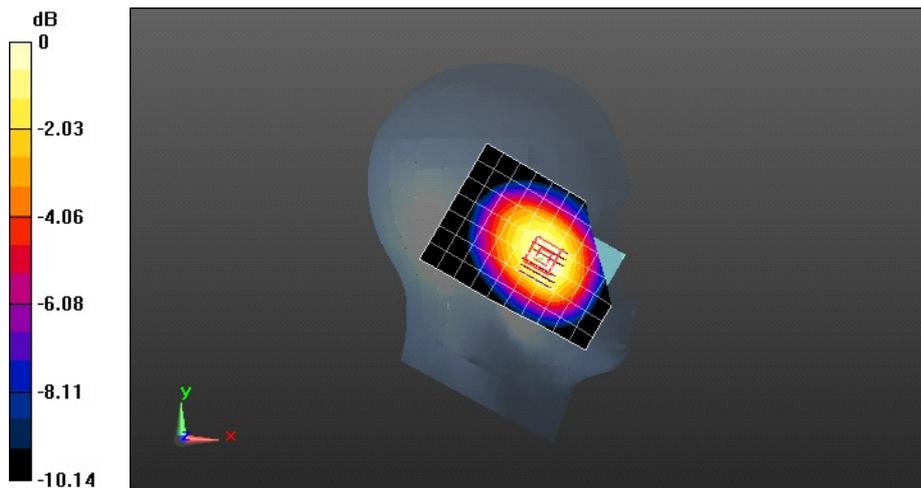
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.314 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.622 W/kg

Maximum value of SAR (measured) = 0.904 W/kg



0 dB = 0.904 W/kg = -0.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

H215G UMTS Band V 4233CH Towards Ground 15mm with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 847$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 52.48$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

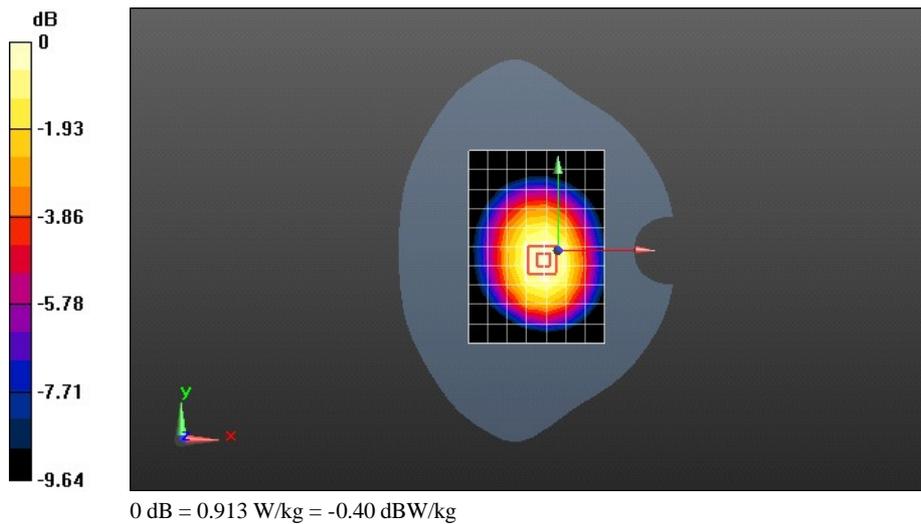
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 31.112 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.628 W/kg

Maximum value of SAR (measured) = 0.913 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H215G UMTS Band II 9538CH Left hand touch cheek battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

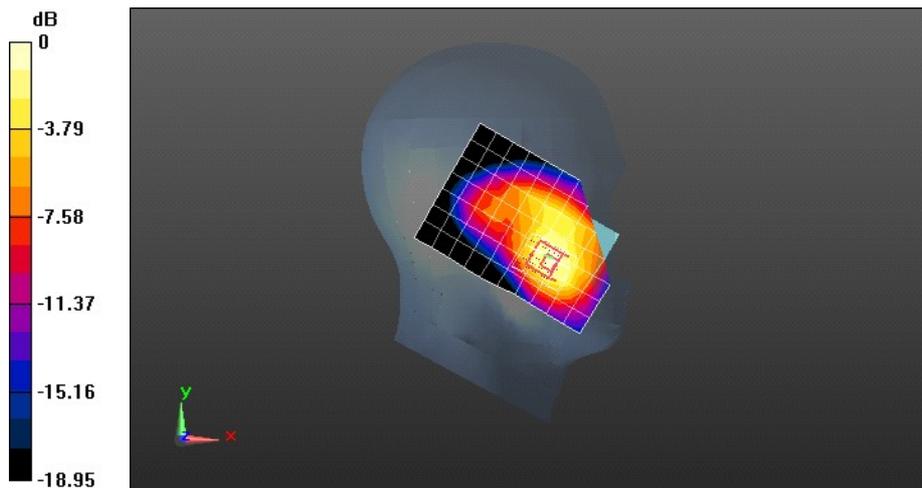
Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1907.6 MHz;Duty Cycle: 1:1
 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 40.887$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY Configuration:

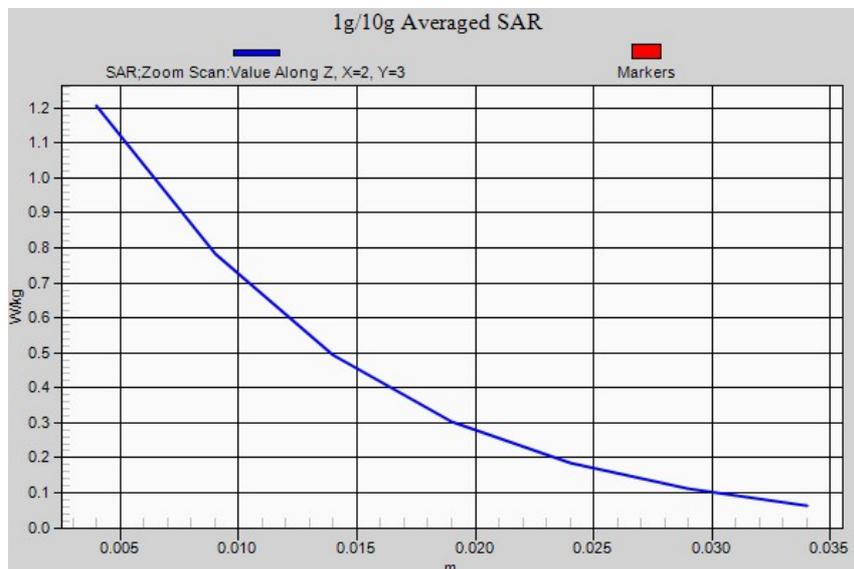
- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Head/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 1.02 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 11.712 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.638 W/kg
 Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.81 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H215G UMTS Band II 9400CH Towards Ground 15mm with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 53.428$; $\rho = 1000$ kg/m³

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 Sn1236; Calibrated: 2012-11-23
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

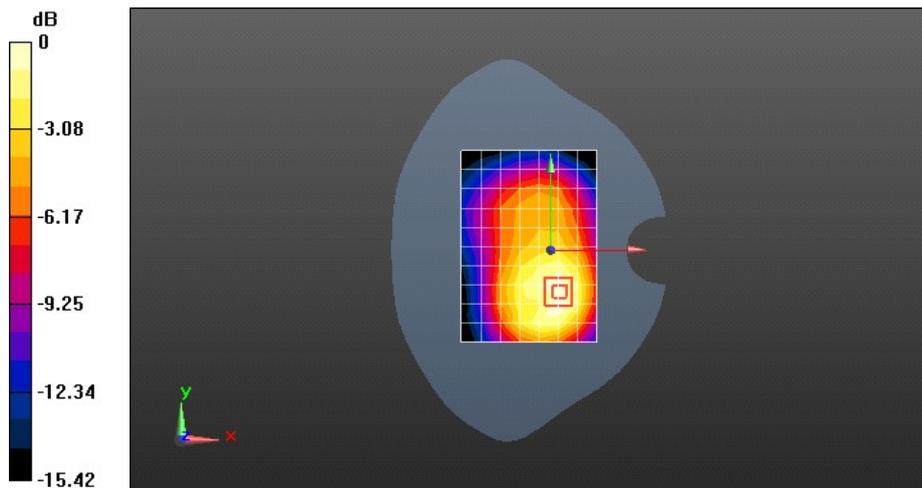
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.553 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.675 W/kg

SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.459 W/kg



0 dB = 0.459 W/kg = -3.38 dBW/kg

