

Annex 1.3 PCS 1900 MHz Body

Date/Time: 5/8/2011 11:15:37, Date/Time: 5/8/2011 11:24:06

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 GPRS 1TS 661CH Towards Phantom 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 0.558 mW/g

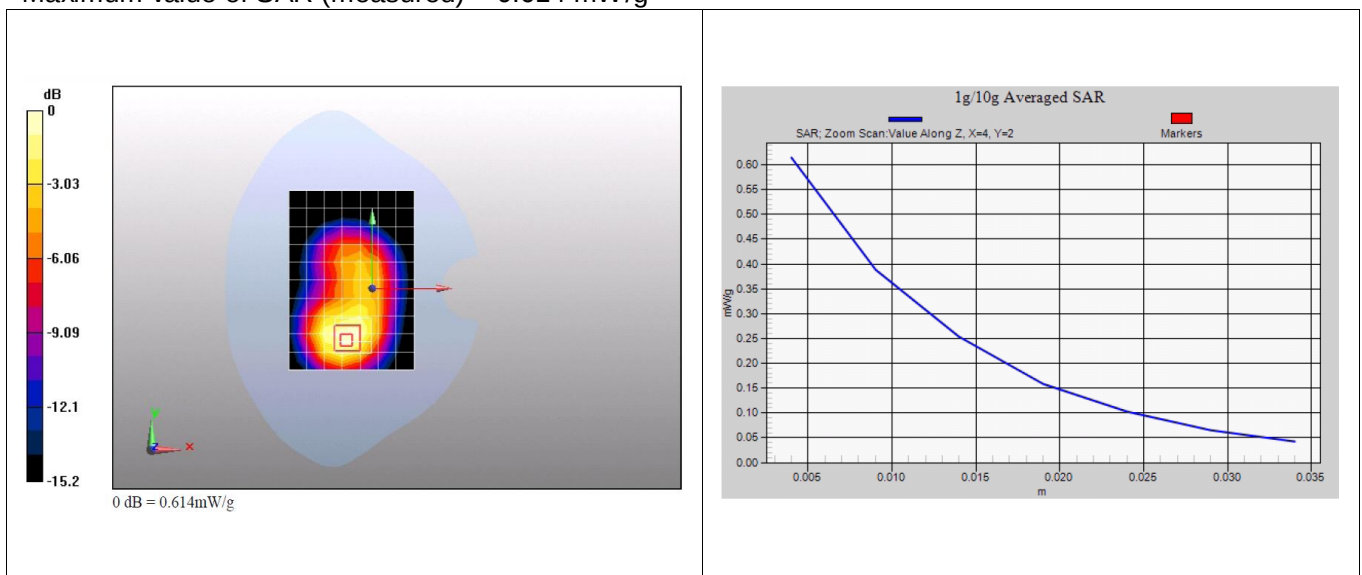
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.344 mW/g

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



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 11:52:37, Date/Time: 5/8/2011 12:01:06

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 GPRS 1TS 661CH Towards Ground 10mm with battery
SNUNHB508XA1922984**

DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 0.533 mW/g

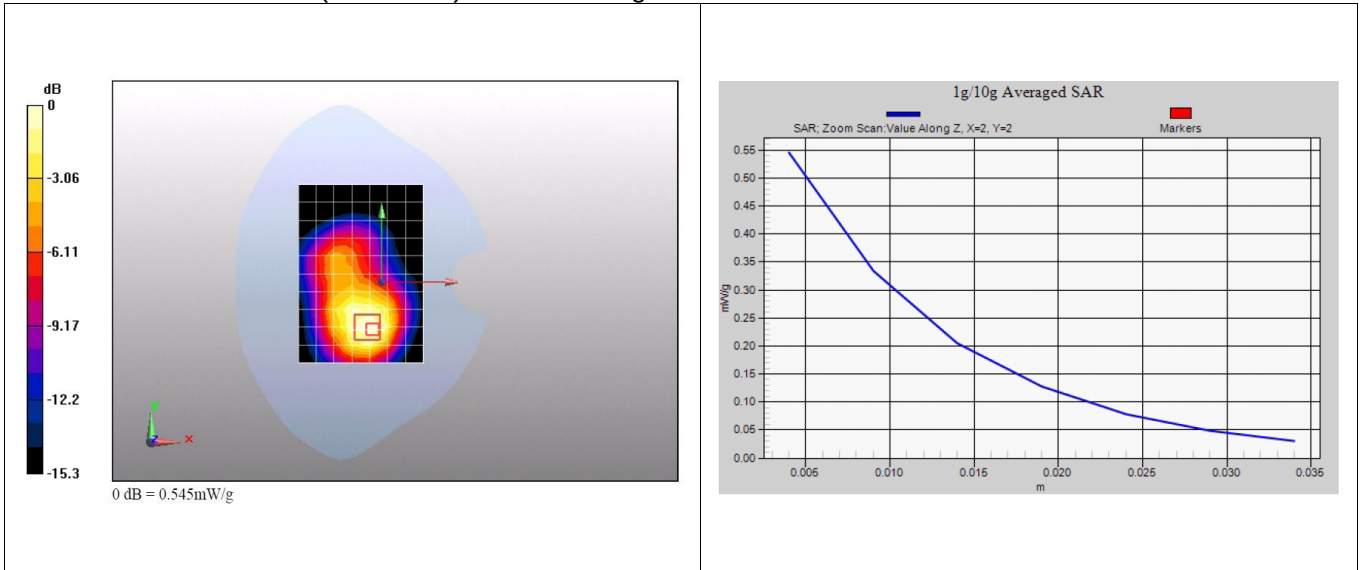
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.307 mW/g

Maximum value of SAR (measured) = 0.545 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 12:26:50, Date/Time: 5/8/2011 12:33:16

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM1900 GPRS 1TS 661CH Left edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.146 mW/g

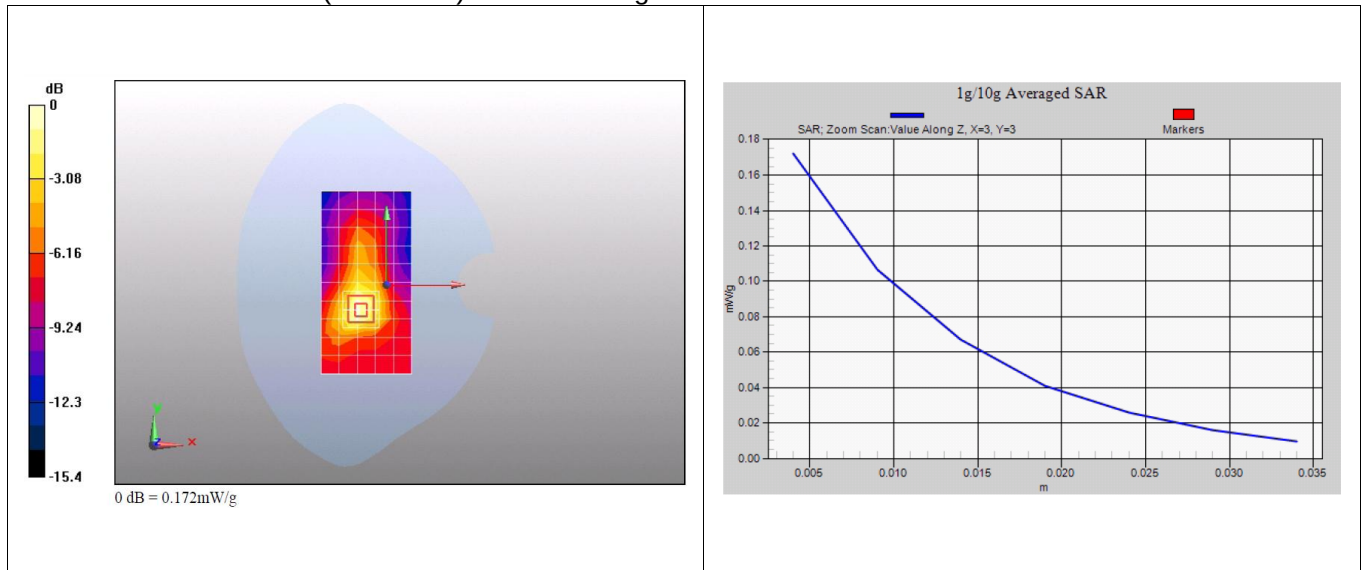
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.2 V/m; Power Drift = 0.00972 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.088 mW/g

Maximum value of SAR (measured) = 0.172 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 12:58:17, Date/Time: 5/8/2011 13:04:39

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM1900 GPRS 1TS 661CH Right edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.209 mW/g

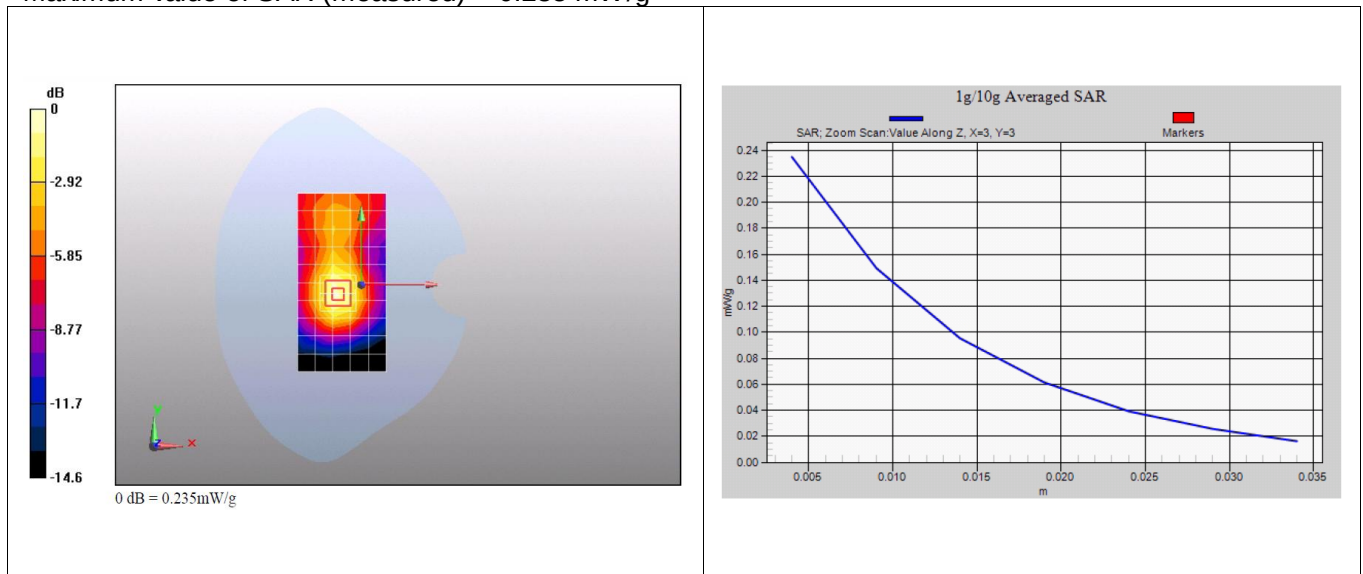
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.104 dB

Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.127 mW/g

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



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 14:21:10, Date/Time: 5/8/2011 14:25:04

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM1900 GPRS 1TS 661CH Bottom edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.420 mW/g

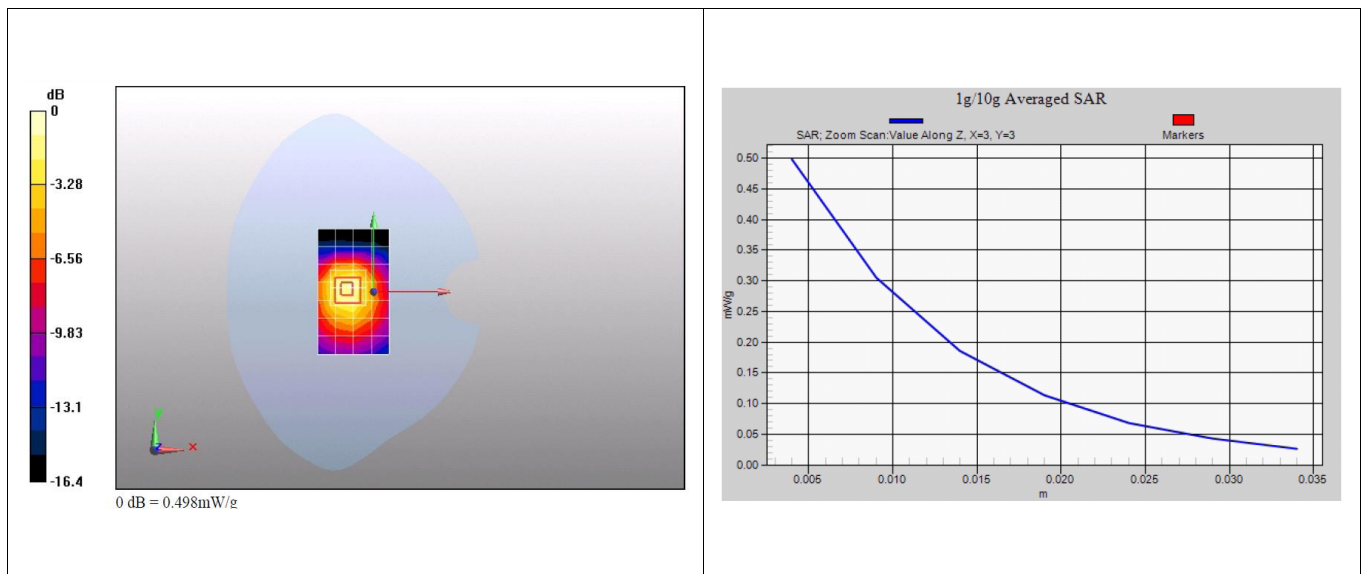
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.252 mW/g

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



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 15:26:01, Date/Time: 5/8/2011 15:49:16

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 GPRS 2TS 661CH Towards Phantom 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 0.813 mW/g

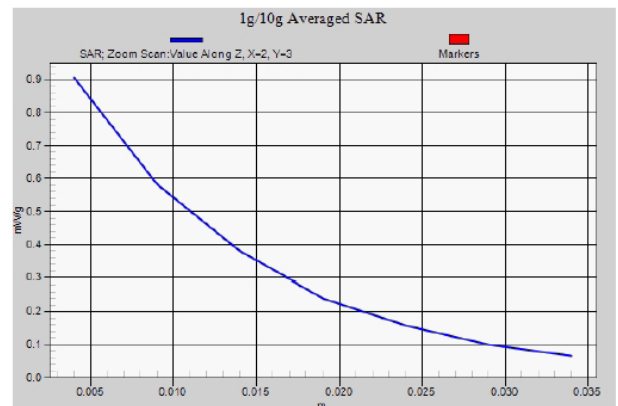
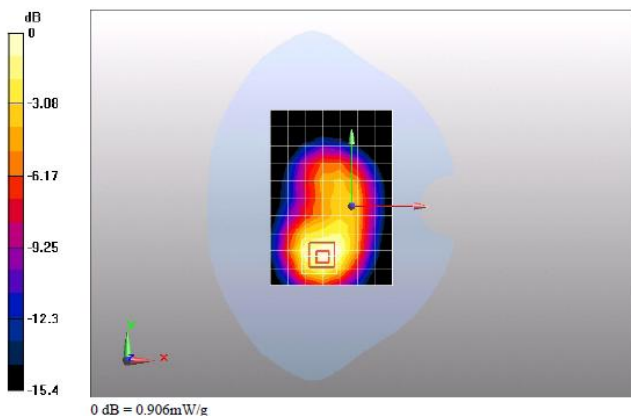
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.8 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.513 mW/g

Maximum value of SAR (measured) = 0.906 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 16:06:17, Date/Time: 5/8/2011 16:15:29

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 GPRS 2TS 810CH Towards Phantom 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1909.8 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 0.793 mW/g

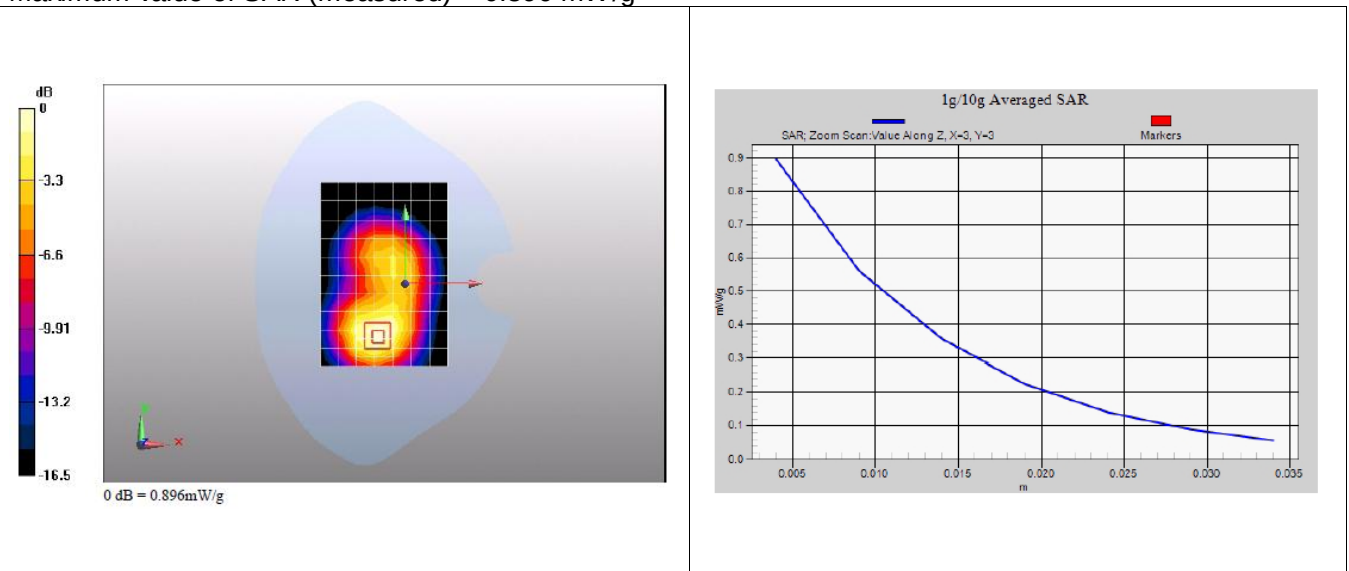
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.495 mW/g

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



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 16:33:27, Date/Time: 5/8/2011 16:42:00

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM1900 GPRS 2TS 512CH Towards Phantom 10mm with battery**SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.903 mW/g

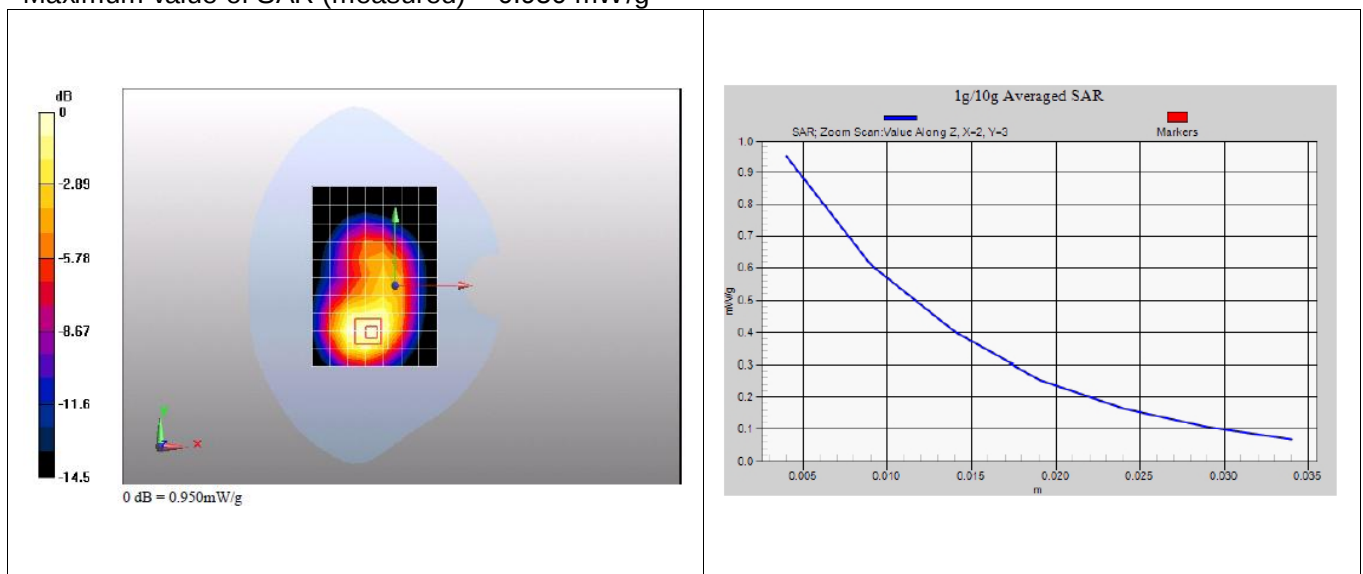
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.554 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.950 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 18:11:49, Date/Time: 5/8/2011 18:20:18

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 EGPRS 1TS 661CH Towards Phantom 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

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

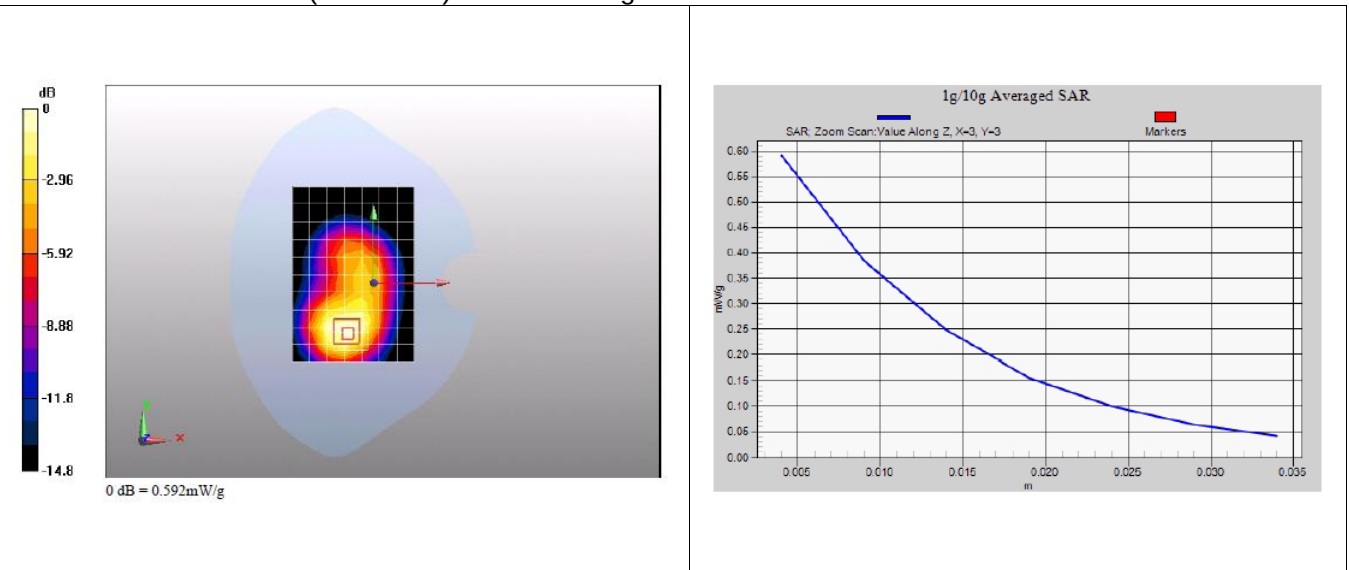
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.540 mW/g; SAR(10 g) = 0.334 mW/g

Maximum value of SAR (measured) = 0.592 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 17:45:52, Date/Time: 5/8/2011 17:55:54

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 EGPRS 2TS 661CH Towards Phantom 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 0.846 mW/g

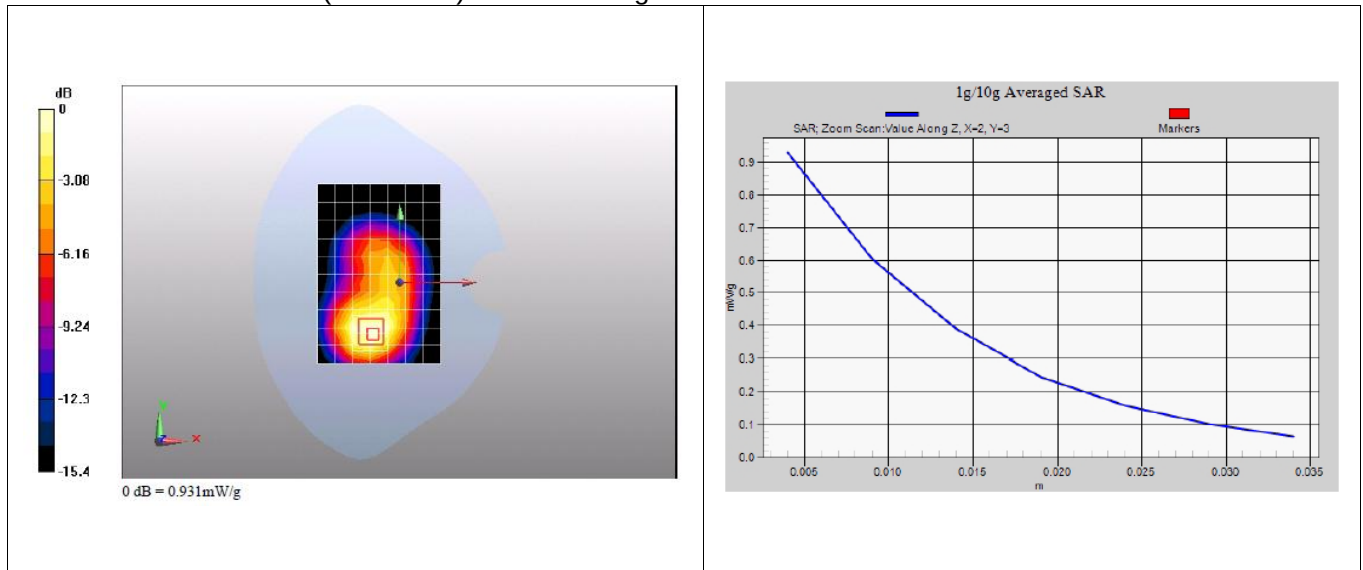
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.528 mW/g

Maximum value of SAR (measured) = 0.931 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 21:36:58, Date/Time: 5/8/2011 21:45:27

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 EGPRS 2TS 810CH Towards Phantom 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1909.8 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 0.816 mW/g

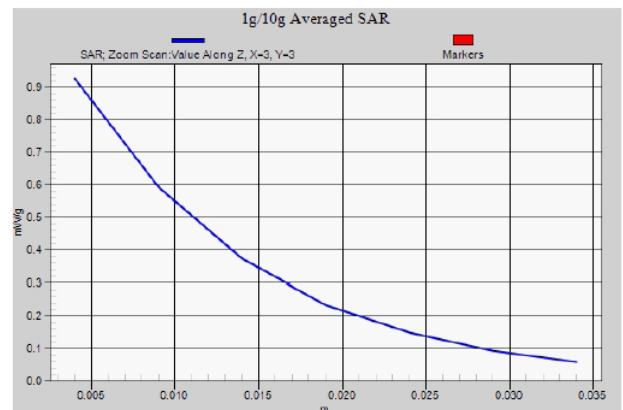
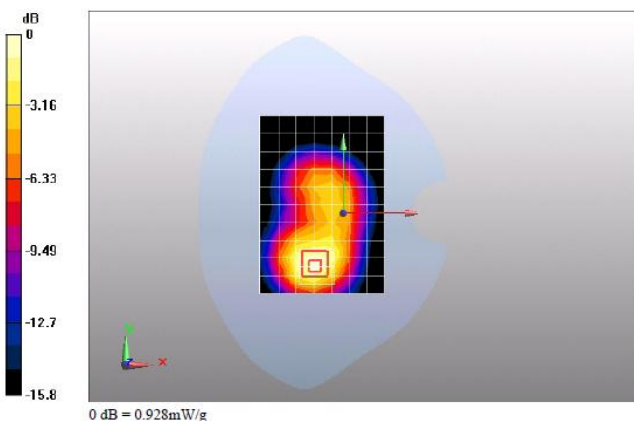
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.6 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.852 mW/g; SAR(10 g) = 0.509 mW/g

Maximum value of SAR (measured) = 0.928 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 22:02:10, Date/Time: 5/8/2011 22:10:39

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 EGPRS 2TS 512CH Towards Phantom 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.936 mW/g

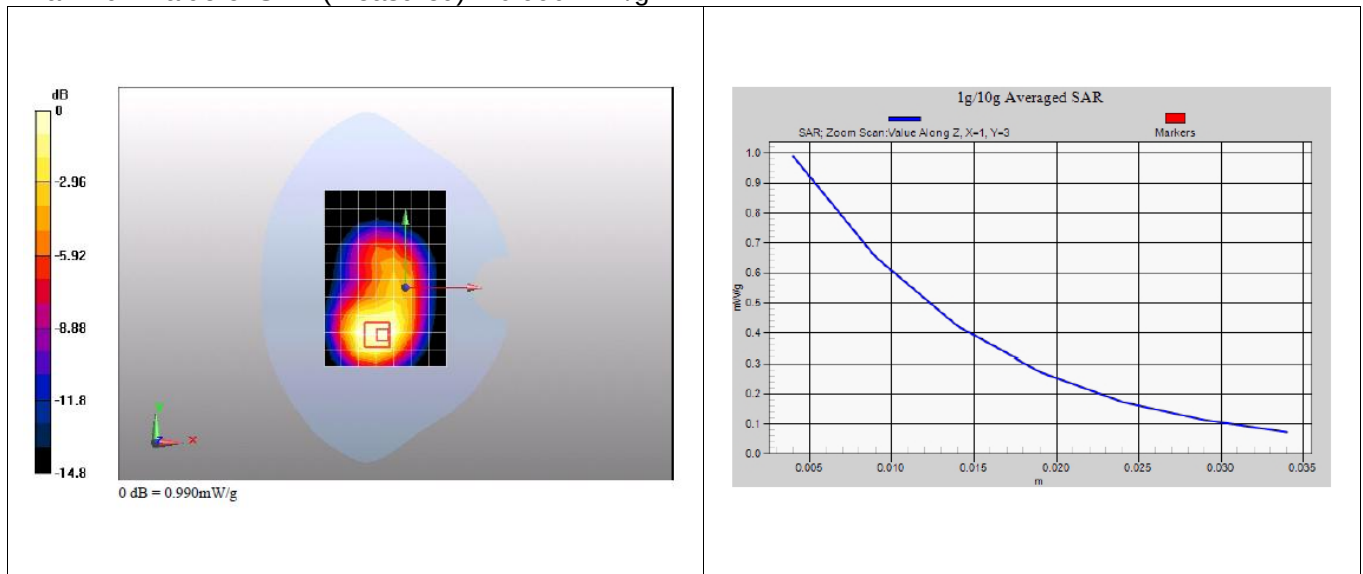
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.919 mW/g; SAR(10 g) = 0.583 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.990 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/8/2011 22:38:41, Date/Time: 5/8/2011 22:47:10

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM1900 512CH Towards Phantom 10mm with Headset-battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.635 mW/g

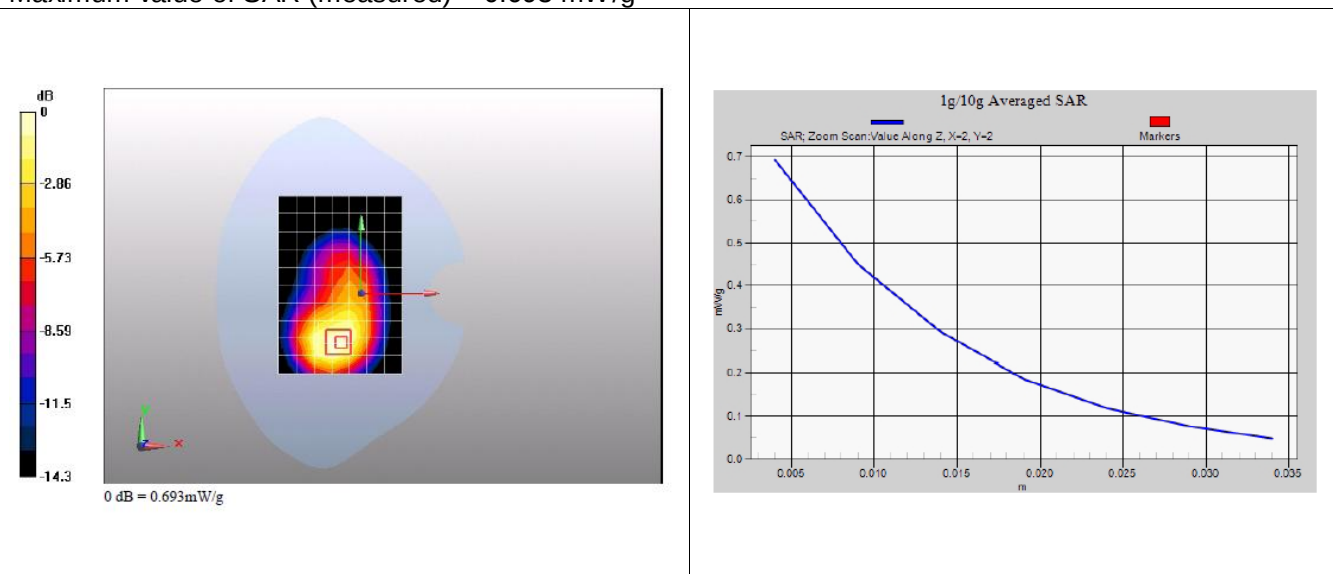
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.395 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.693 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/9/2011 0:22:50, Date/Time: 5/9/2011 0:31:19

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM1900 EGPRS 2TS 512CH Towards Phantom 10mm with battery
SNLACB429HI1800285****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

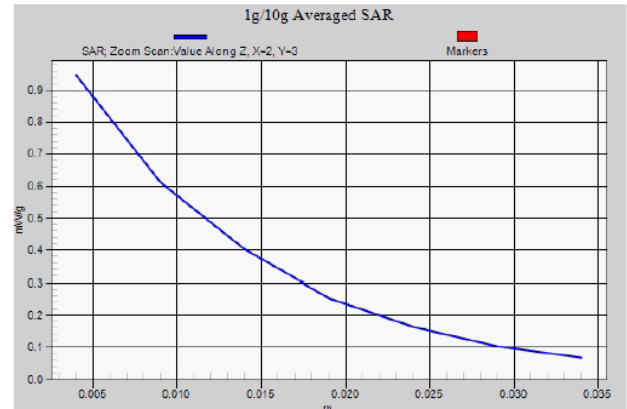
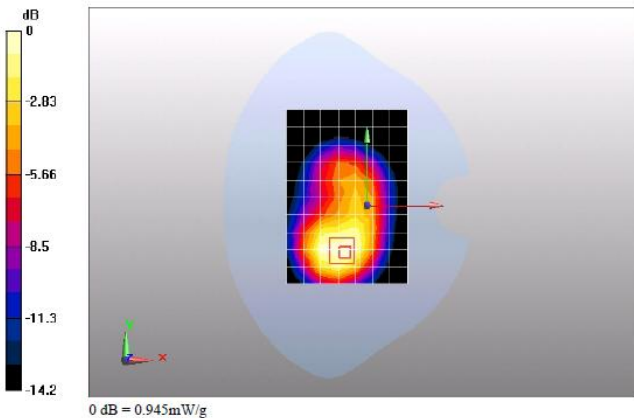
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.545 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.945 mW/g



Annex 1.4 GSM 850 MHz Head

Date/Time: 5/6/2011 18:18:19, Date/Time: 5/6/2011 18:40:40

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 190CH Left hand touch cheek with battery SN-UNHB508XA1922984

DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.889$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.98, 5.98, 5.98); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Head/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

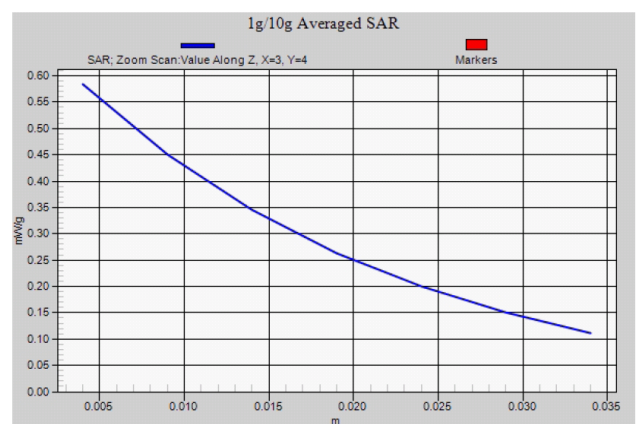
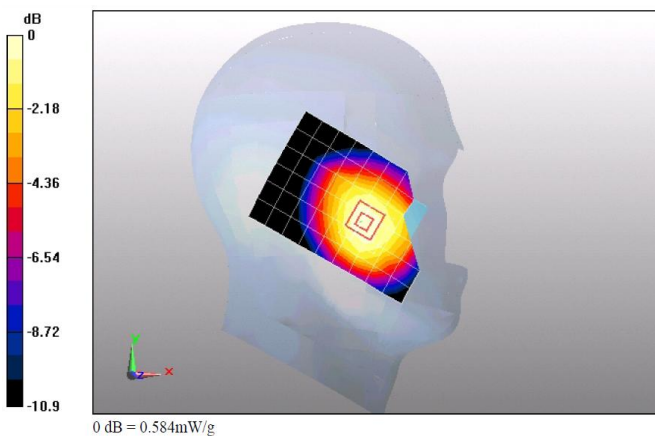
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.98 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.831 W/kg

SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.406 mW/g

Maximum value of SAR (measured) = 0.584 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/7/2011 2:11:08, Date/Time: 5/7/2011 2:18:19

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 190CH Left hand tilt 15 degree with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.889$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.98, 5.98, 5.98); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Head/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.375 mW/g

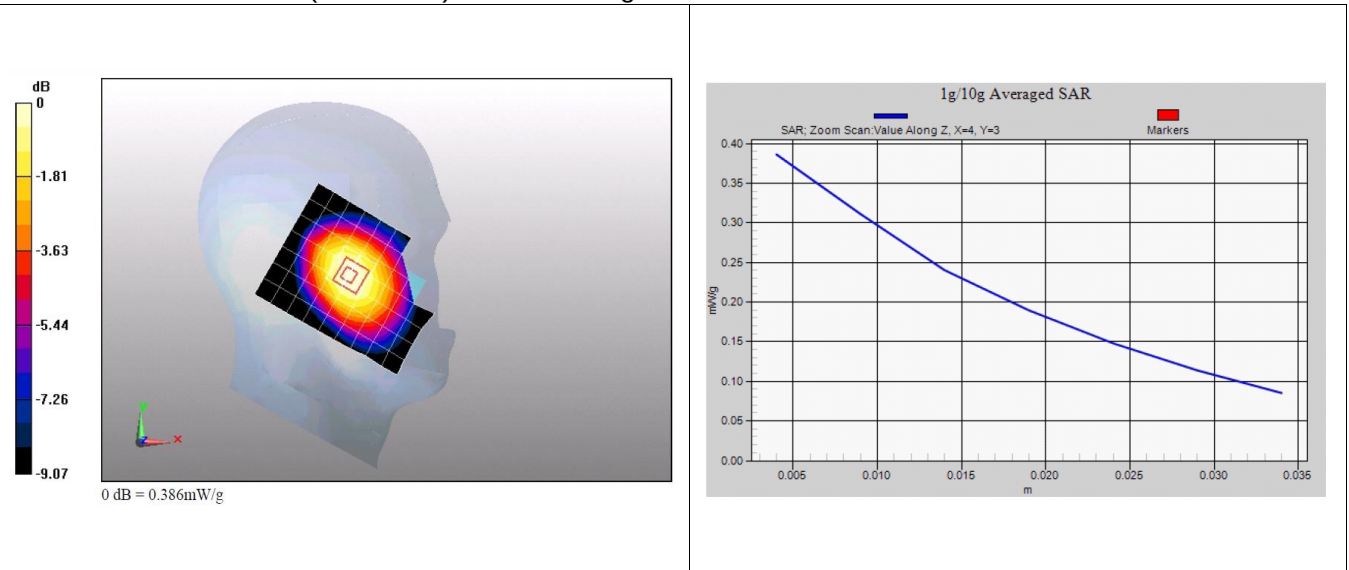
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.458 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.279 mW/g

Maximum value of SAR (measured) = 0.386 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/6/2011 22:23:26, Date/Time: 5/6/2011 22:29:41

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 190CH Right hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.889$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.98, 5.98, 5.98); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Head/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.694 mW/g

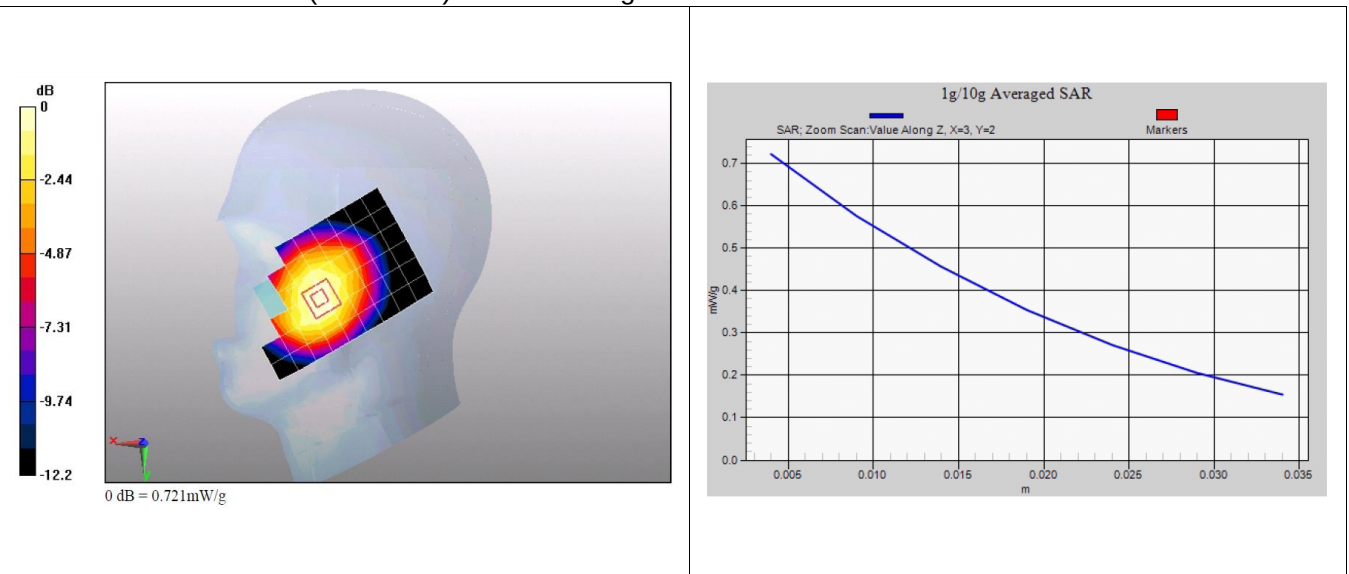
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.69 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 0.841 W/kg

SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.505 mW/g

Maximum value of SAR (measured) = 0.721 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/6/2011 23:59:49, Date/Time: 5/7/2011 0:06:05

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 190CH Right hand tilt 15 degree with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.889$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.98, 5.98, 5.98); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Head/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

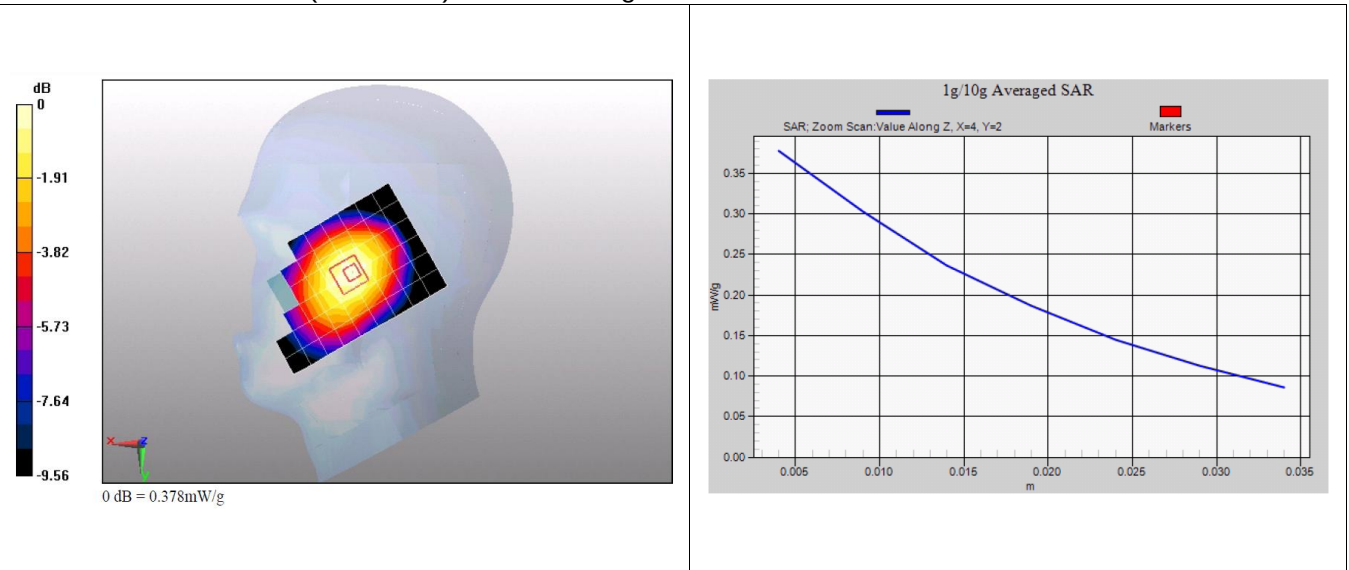
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = 0.00196 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 0.378 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/6/2011 22:46:33, Date/Time: 5/6/2011 22:52:50

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 251CH Right hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.98, 5.98, 5.98); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Head/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.536 mW/g

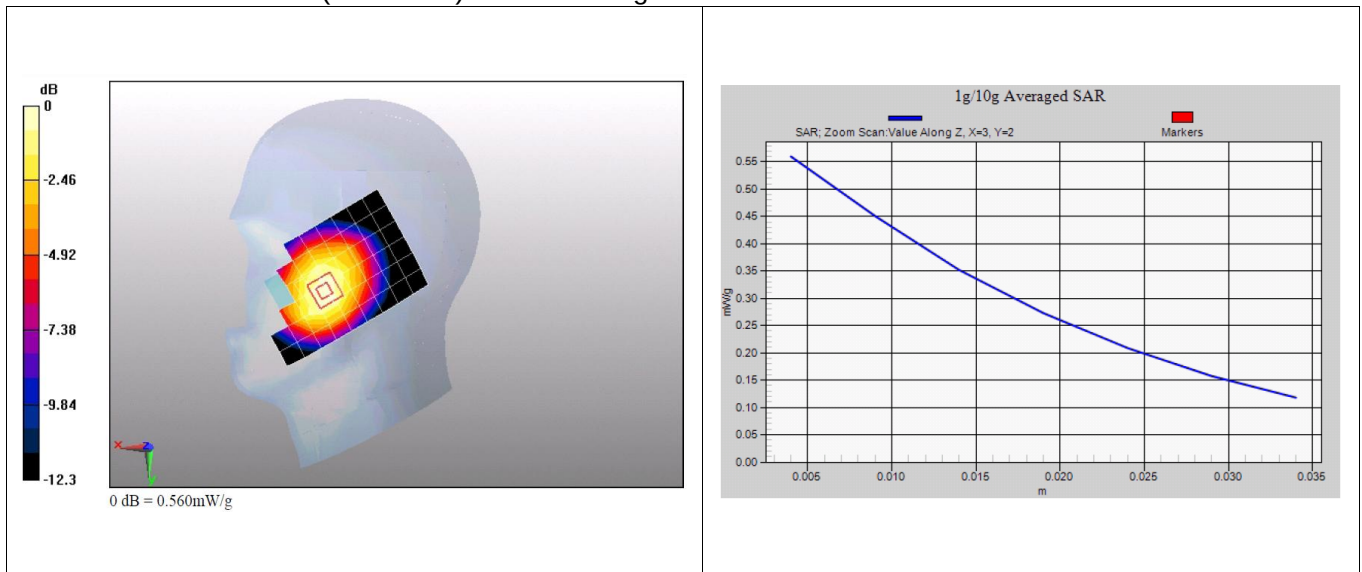
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.63 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 0.560 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/6/2011 23:07:35, Date/Time: 5/6/2011 23:13:50

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 128CH Right hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.895$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.98, 5.98, 5.98); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Head/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.858 mW/g

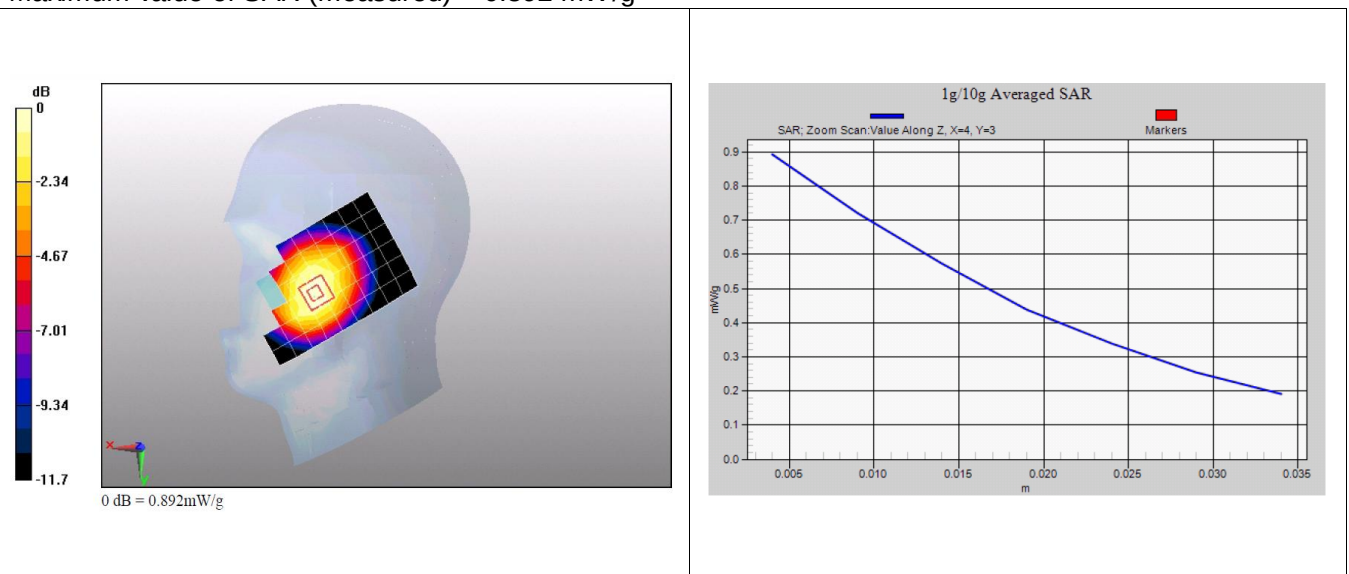
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.6 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.630 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.892 mW/g



Test report no.: SYBH(Z-SAR)035052011-2

Date/Time: 5/7/2011 9:26:00, Date/Time: 5/7/2011 9:32:18

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 128CH Right hand touch cheek with battery SN-LACB429HI1800285**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.895$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.98, 5.98, 5.98); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn852; Calibrated: 12/24/2010

Phantom: SAM2; Type: SAM; Serial: TP-1474

Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Head/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.792 mW/g

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

Reference Value = 8.78 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.584 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.815 mW/g

