

Annex 1.7 WCDMA 850 MHz Body

Date/Time: 5/8/2011 2:22:35, Date/Time: 5/8/2011 2:31:06

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Towards Phantom 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 0.617 mW/g

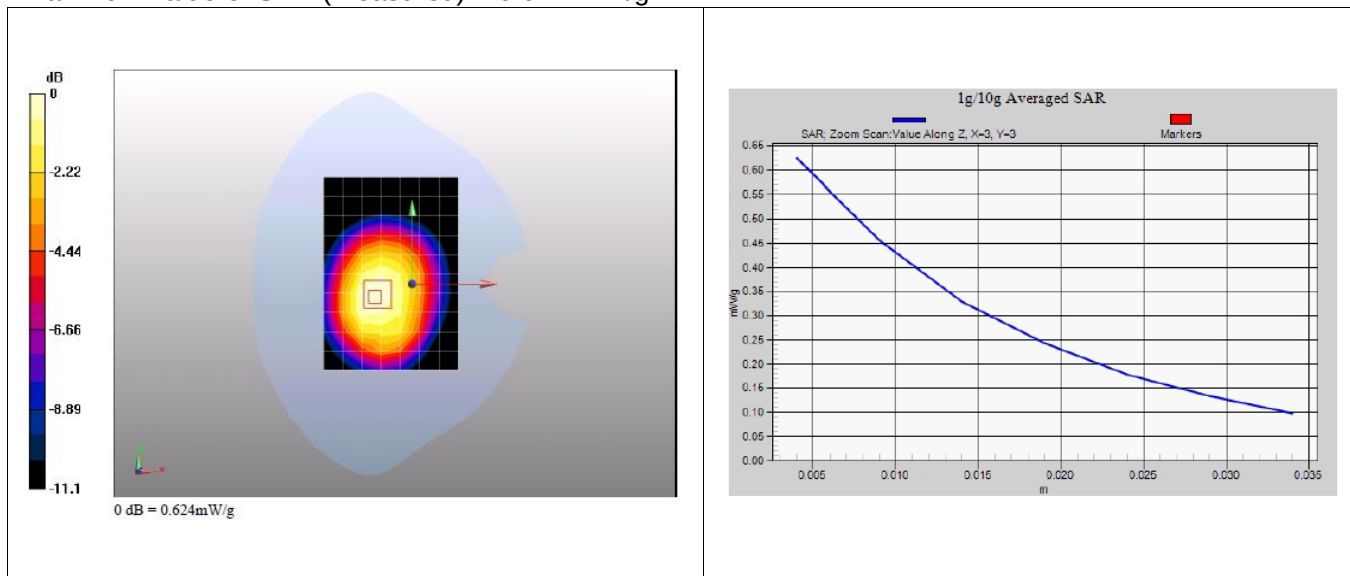
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.2 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 0.810 W/kg

SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.427 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.624 mW/g



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

Date/Time: 5/8/2011 0:22:39, Date/Time: 5/8/2011 0:31:08

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 1.12 mW/g

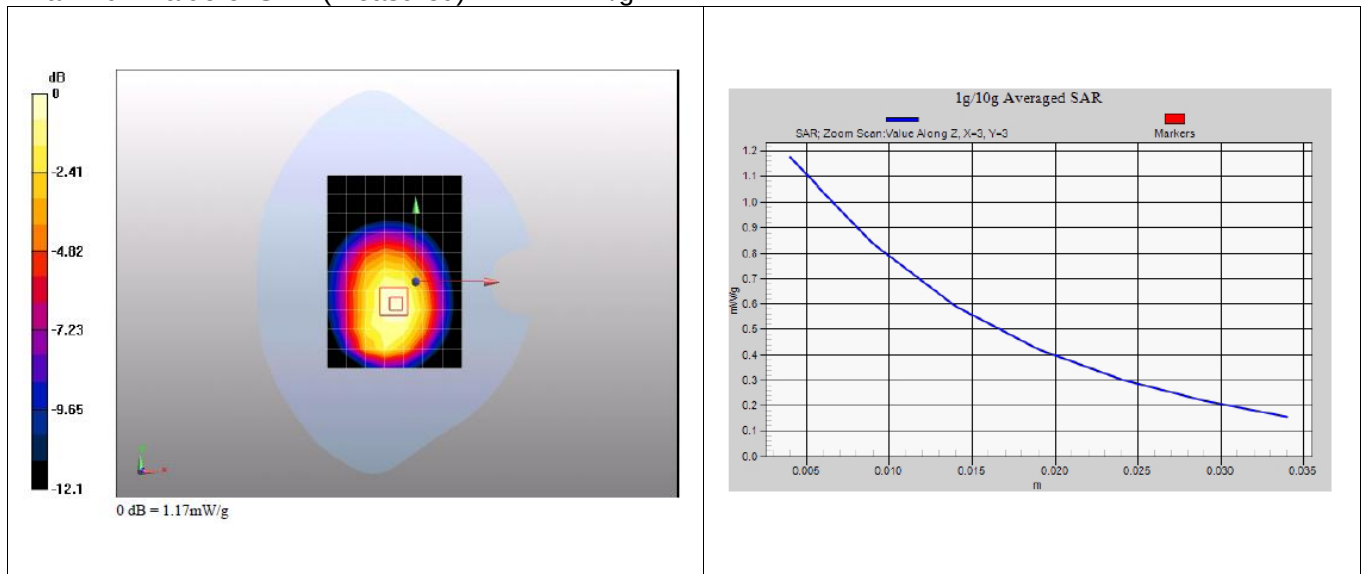
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.6 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.771 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.17 mW/g



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

Date/Time: 5/8/2011 3:37:53, Date/Time: 5/8/2011 3:46:24

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Left edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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

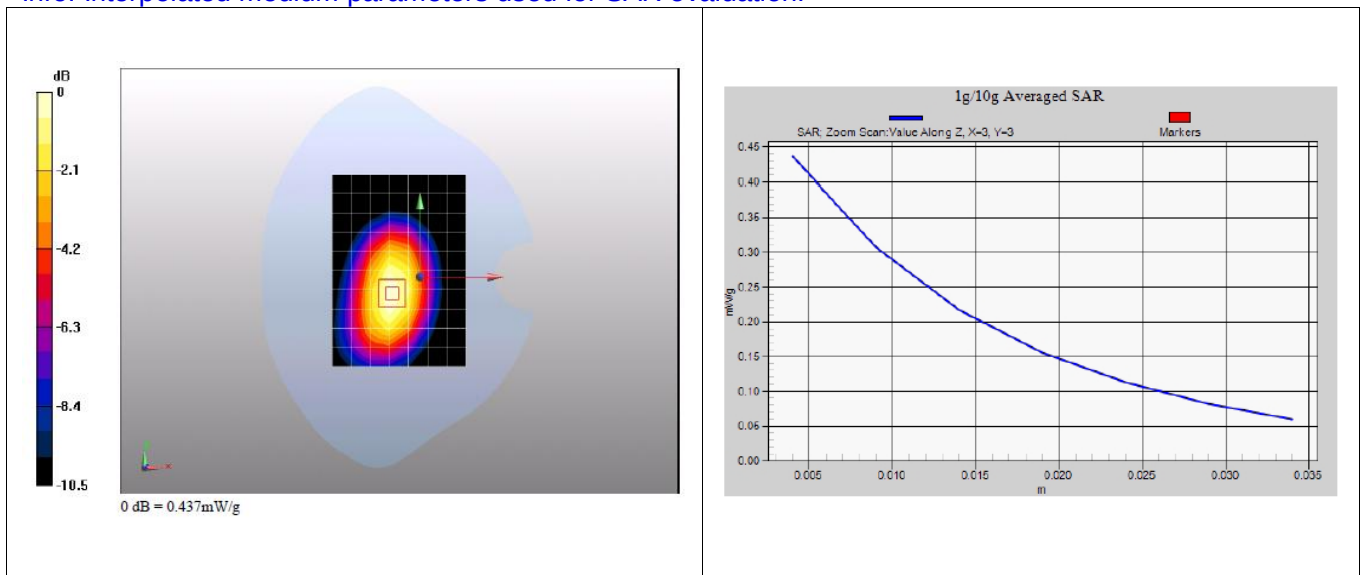
Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.437 mW/g

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

Reference Value = 20.5 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.274 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Date/Time: 5/8/2011 4:03:09, Date/Time: 5/8/2011 4:11:41

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Right edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 0.623 mW/g

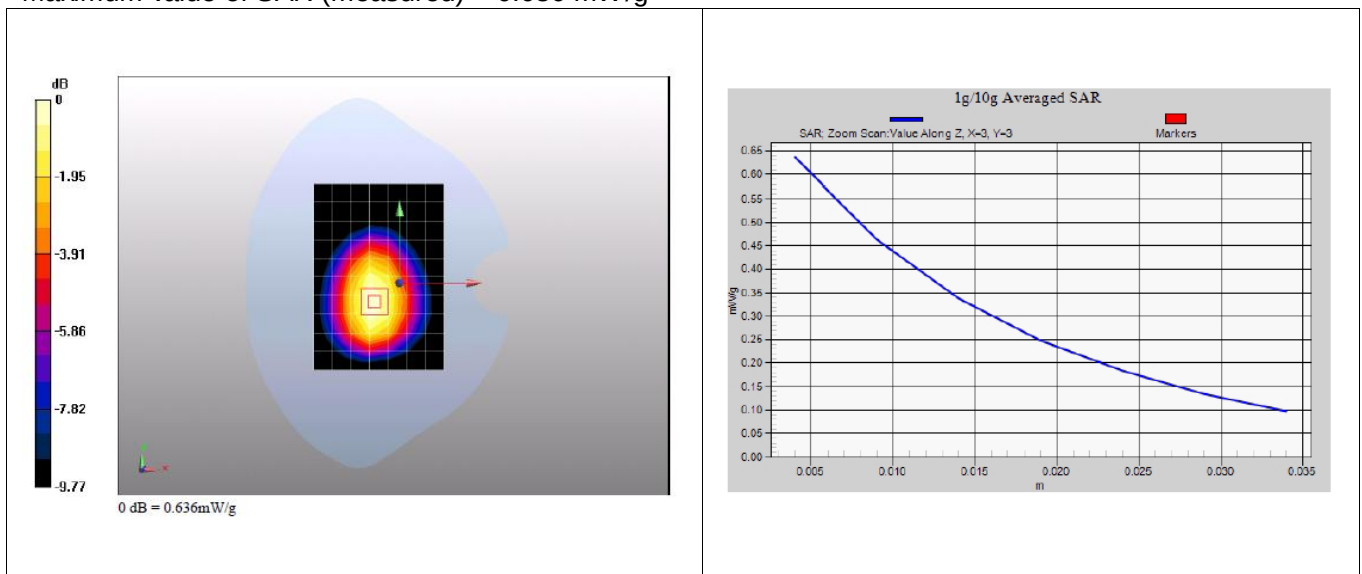
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.6 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 0.808 W/kg

SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.416 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



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

Date/Time: 5/8/2011 3:04:15, Date/Time: 5/8/2011 3:12:45

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Bottom edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 0.132 mW/g

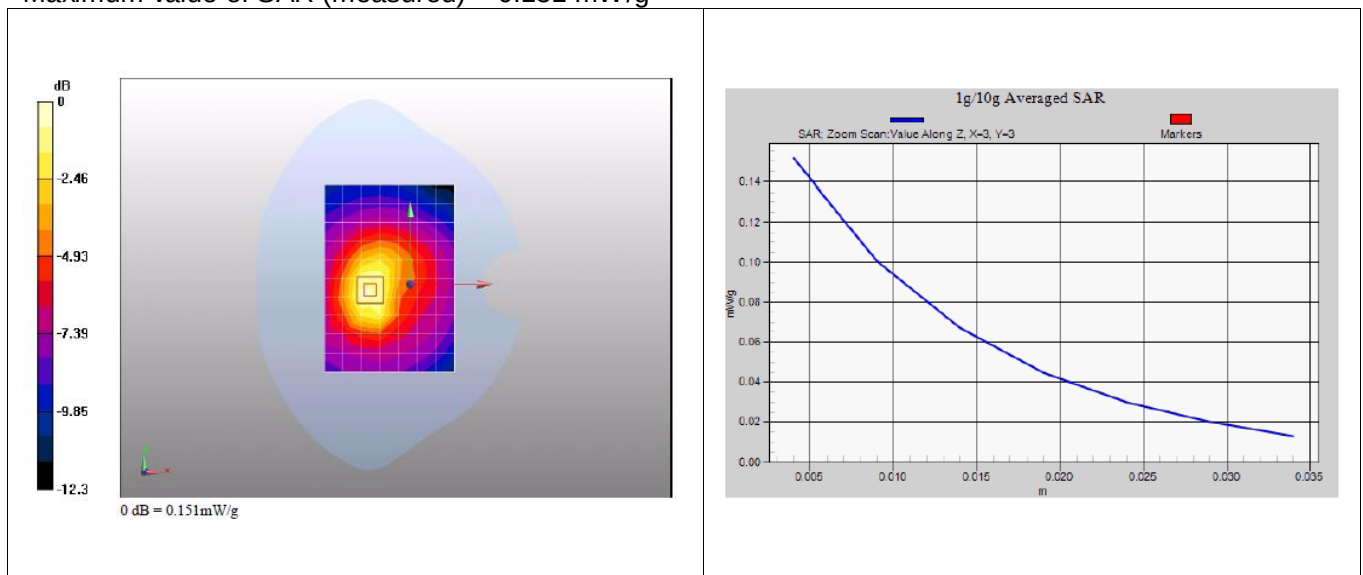
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.45 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.087 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.151 mW/g



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

Date/Time: 5/8/2011 5:00:43, Date/Time: 5/8/2011 5:09:15

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4233CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 846.6 MHz

Medium parameters used: $f = 847$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 0.950 mW/g

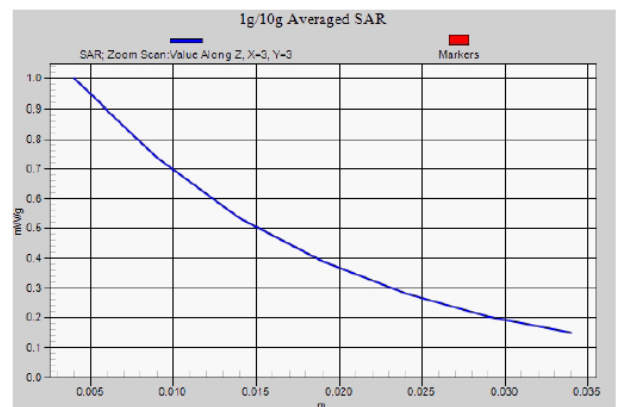
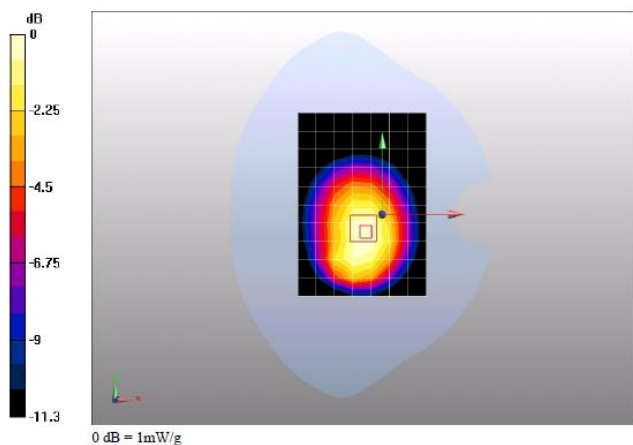
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.3 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 1.3 W/kg

SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.655 mW/g

Maximum value of SAR (measured) = 1 mW/g



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

Date/Time: 5/8/2011 5:25:37, Date/Time: 5/8/2011 5:34:09

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4132CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 826.4 MHz

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 0.971 mW/g

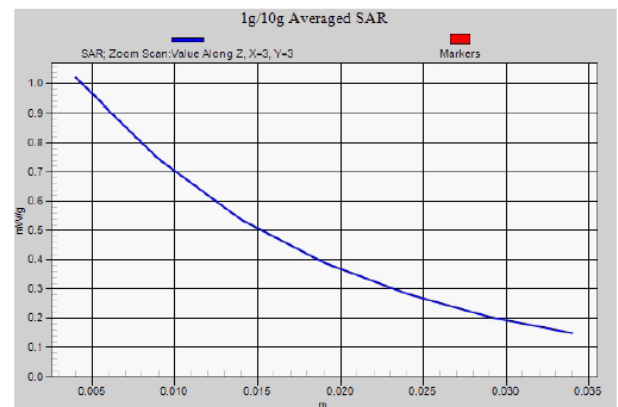
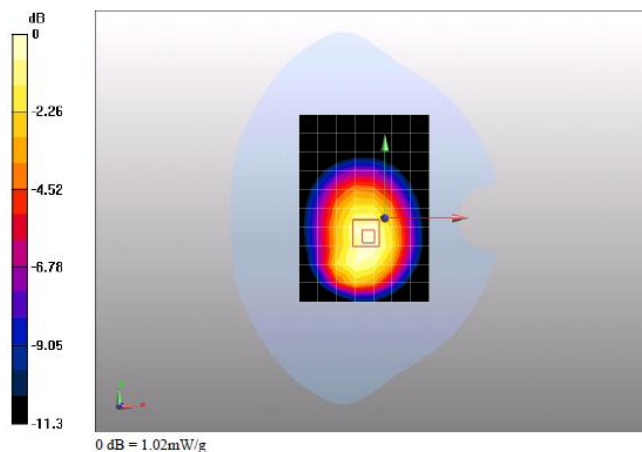
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.3 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.957 mW/g; SAR(10 g) = 0.667 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.02 mW/g



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

Date/Time: 5/8/2011 5:52:02, Date/Time: 5/8/2011 6:00:33

Test Laboratory: Huawei GCTC Lab

**U8180-7 WCDMA 850 4182CH Towards Ground 10mm with HSDPA-battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 1.06 mW/g

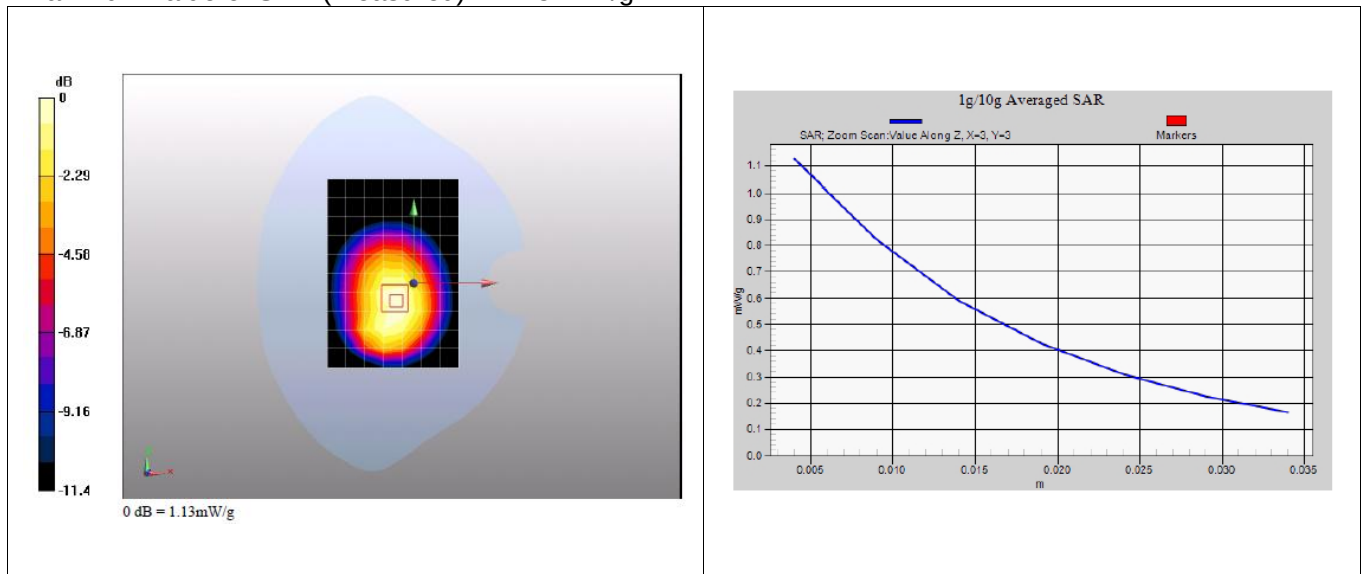
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.739 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.13 mW/g



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

Date/Time: 5/8/2011 10:04:25, Date/Time: 5/8/2011 10:15:14

Test Laboratory: Huawei GCTC Lab

**U8180-7 WCDMA 850 4182CH Towards Ground 10mm with Headset-battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 0.775 mW/g

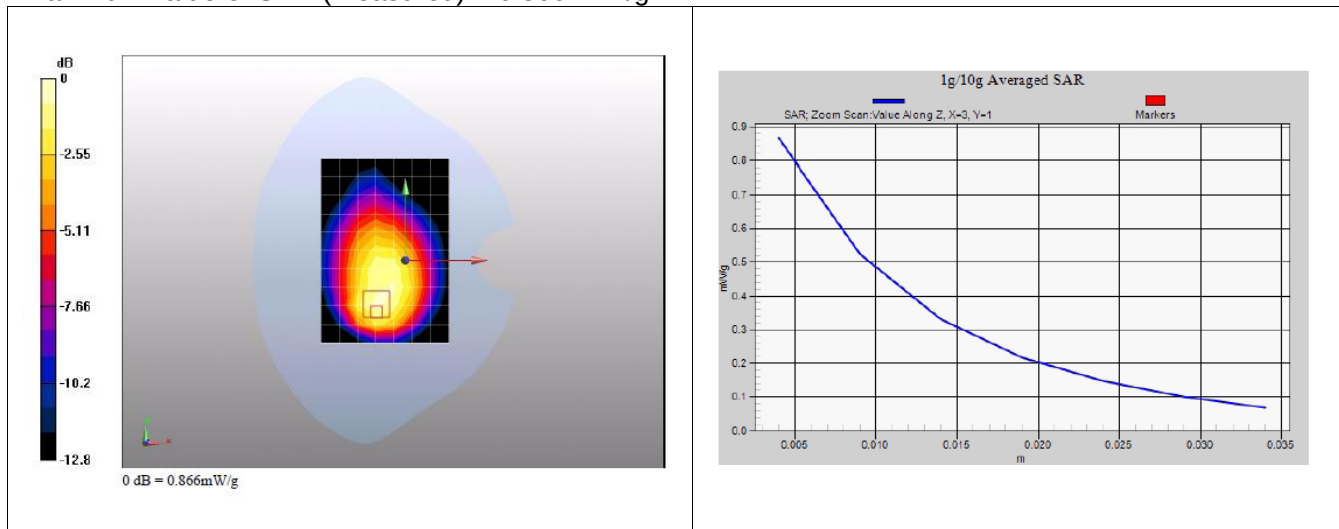
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.6 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.479 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.866 mW/g



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

Date/Time: 5/8/2011 7:31:19, Date/Time: 5/8/2011 7:39:47

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Towards Ground 10mm with battery SN-LACB429HI1800285**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -UMTS-FDD; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(5.92, 5.92, 5.92); 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) = 1.08 mW/g

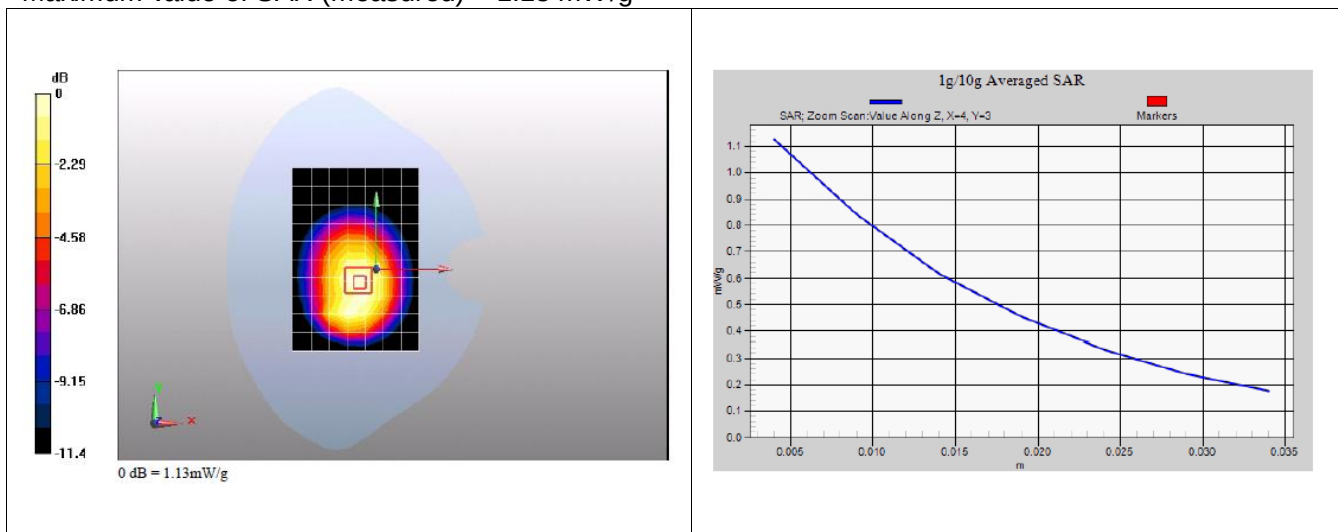
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.9 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.744 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.13 mW/g



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

Annex 1.8 WIFI 2450 MHz Head

Date/Time: 5/6/2011 9:52:55, Date/Time: 5/6/2011 9:59:57

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 6CH Left hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.45, 4.45, 4.45); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.089 mW/g

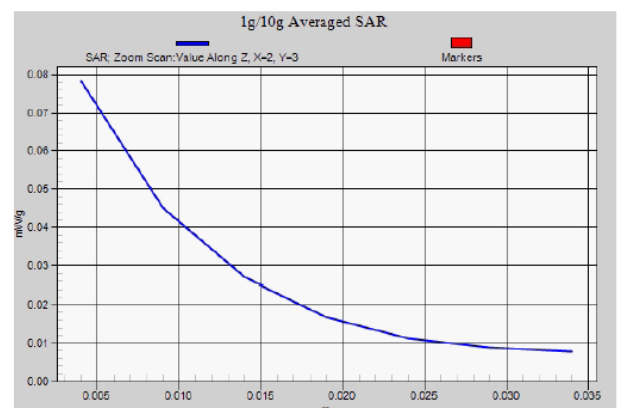
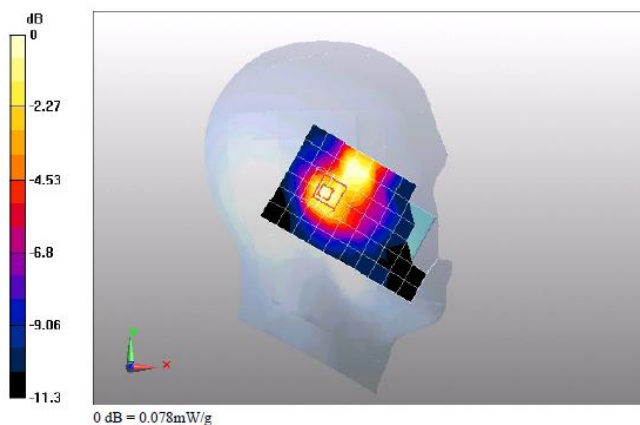
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.03 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.078 mW/g



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

Date/Time: 5/6/2011 10:18:27, Date/Time: 5/6/2011 10:25:44

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 6CH Left hand tilt 15 degree with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.45, 4.45, 4.45); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.094 mW/g

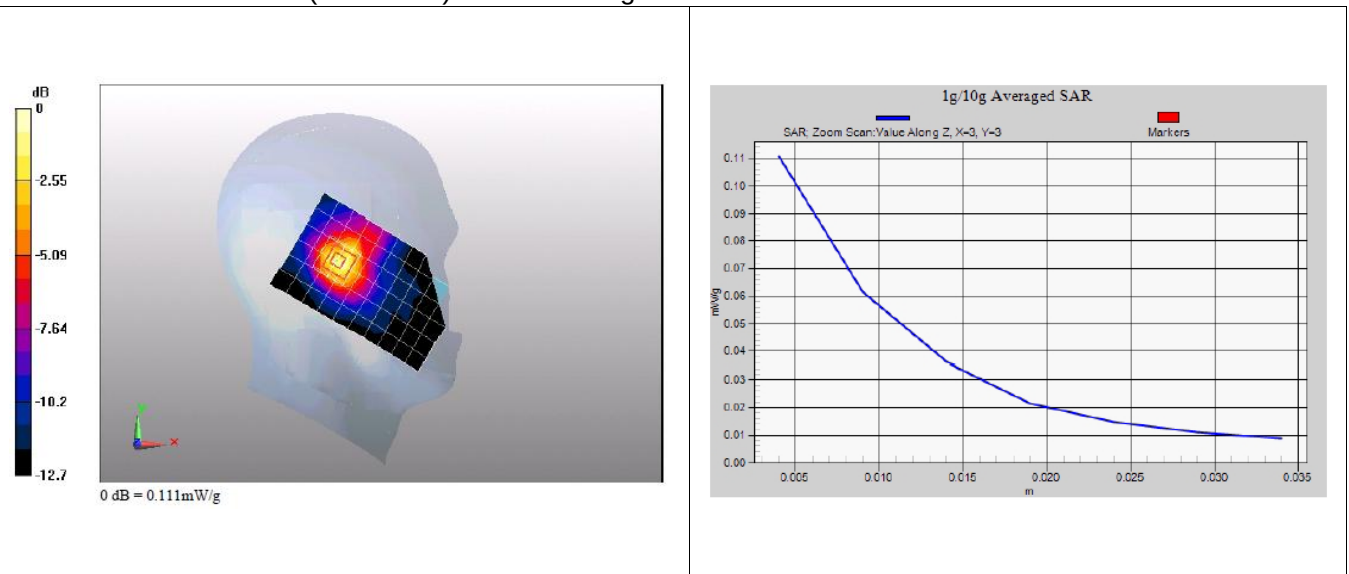
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.12 V/m; Power Drift = 0.184 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.053 mW/g

Maximum value of SAR (measured) = 0.111 mW/g



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

Date/Time: 5/6/2011 10:57:36, Date/Time: 5/6/2011 11:04:56

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 6CH Right hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.45, 4.45, 4.45); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.088 mW/g

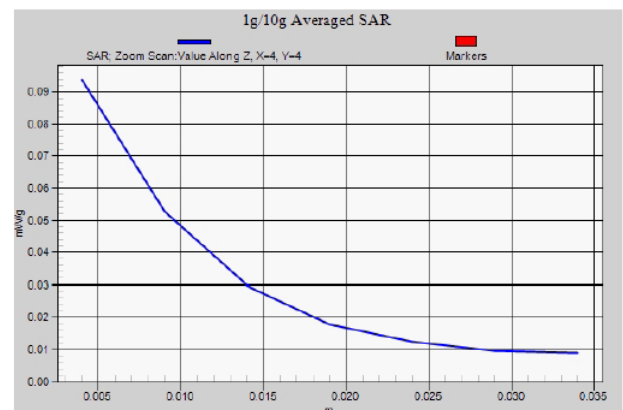
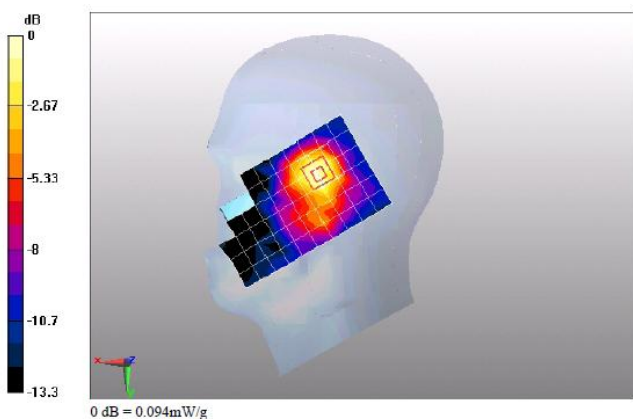
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.72 V/m; Power Drift = -0.155 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.094 mW/g



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

Date/Time: 5/6/2011 11:27:27, Date/Time: 5/6/2011 11:34:23

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 6CH Right hand tilt 15 degree with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.45, 4.45, 4.45); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.097 mW/g

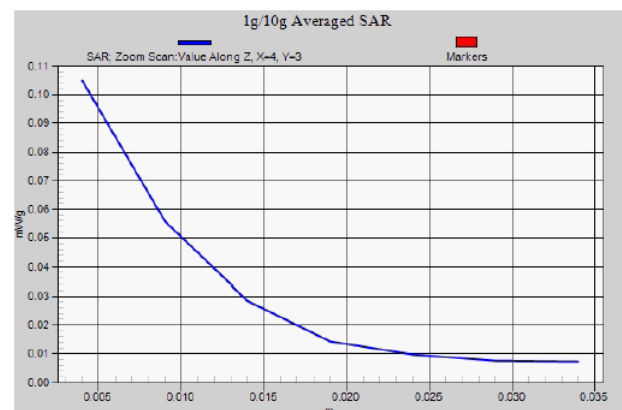
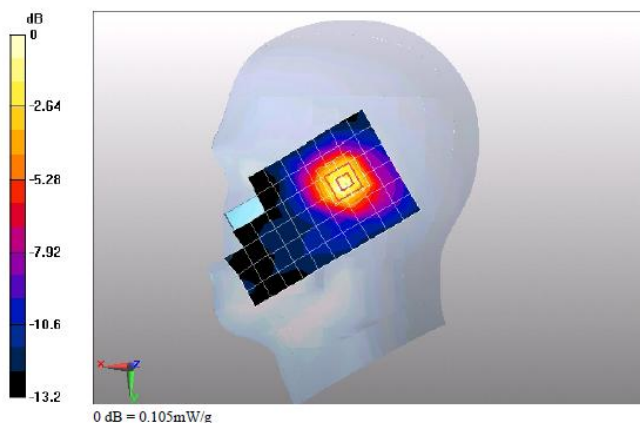
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.6 V/m; Power Drift = 0.074 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.105 mW/g



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

Date/Time: 5/6/2011 15:10:01, Date/Time: 5/6/2011 15:17:19

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 11CH Left hand tilt 15 degree with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2462 MHz

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.82$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.45, 4.45, 4.45); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.109 mW/g

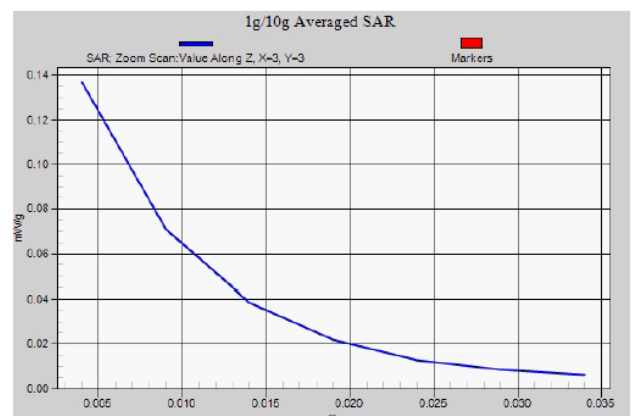
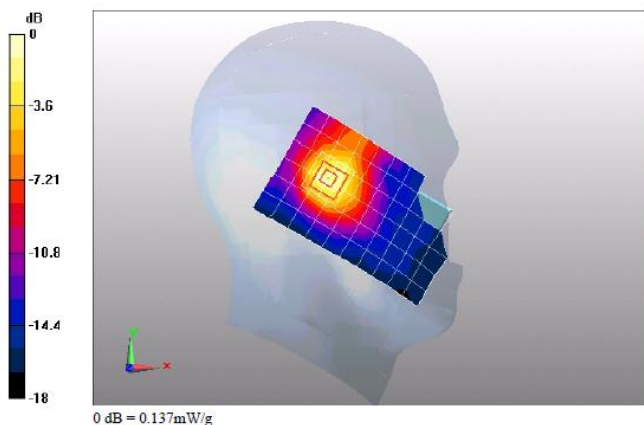
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.85 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.137 mW/g



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

Date/Time: 5/6/2011 15:33:22, Date/Time: 5/6/2011 15:40:42

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 1CH Left hand tilt 15 degree with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2412 MHz

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.76$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.45, 4.45, 4.45); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.070 mW/g

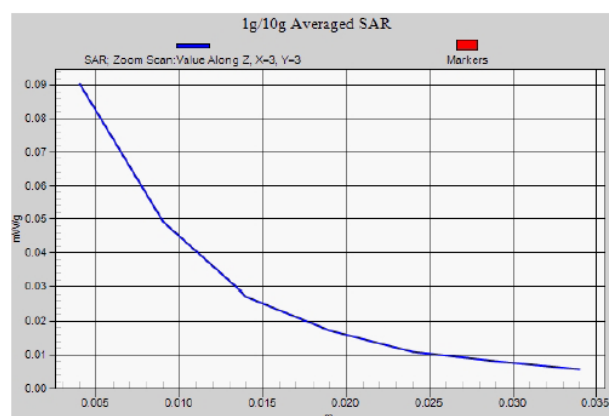
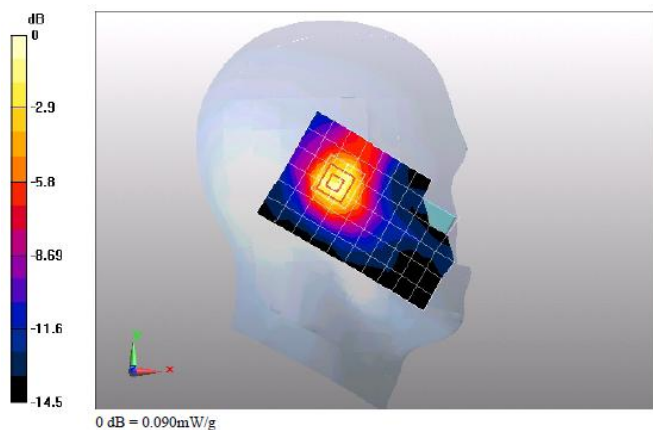
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.5 V/m; Power Drift = -0.00326 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.090 mW/g



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

Date/Time: 5/6/2011 16:00:16, Date/Time: 5/6/2011 16:07:35

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 11CH Left hand tilt 15 degree with battery SN-LACB429HI1800285**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2462 MHz

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.82$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.45, 4.45, 4.45); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.104 mW/g

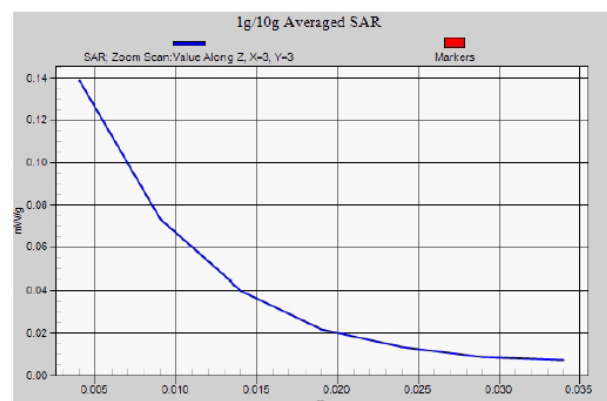
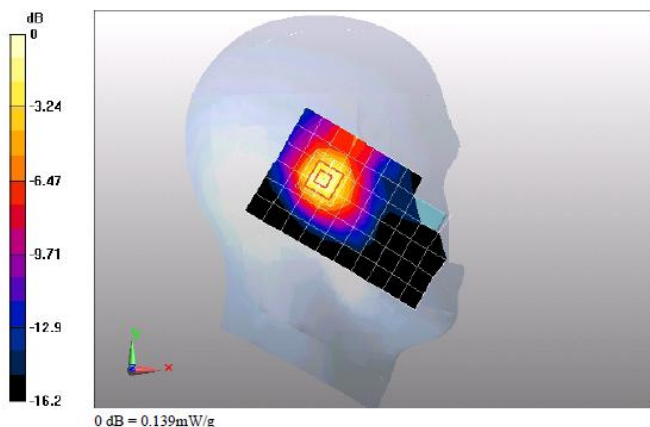
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.74 V/m; Power Drift = -0.00582 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.139 mW/g



Annex 1.9 WIFI 2450 MHz Body

Date/Time: 5/10/2011 15:31:45, Date/Time: 5/10/2011 15:40:38

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 6CH Towards Phantom 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.24, 4.24, 4.24); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1038

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) = 0.040 mW/g

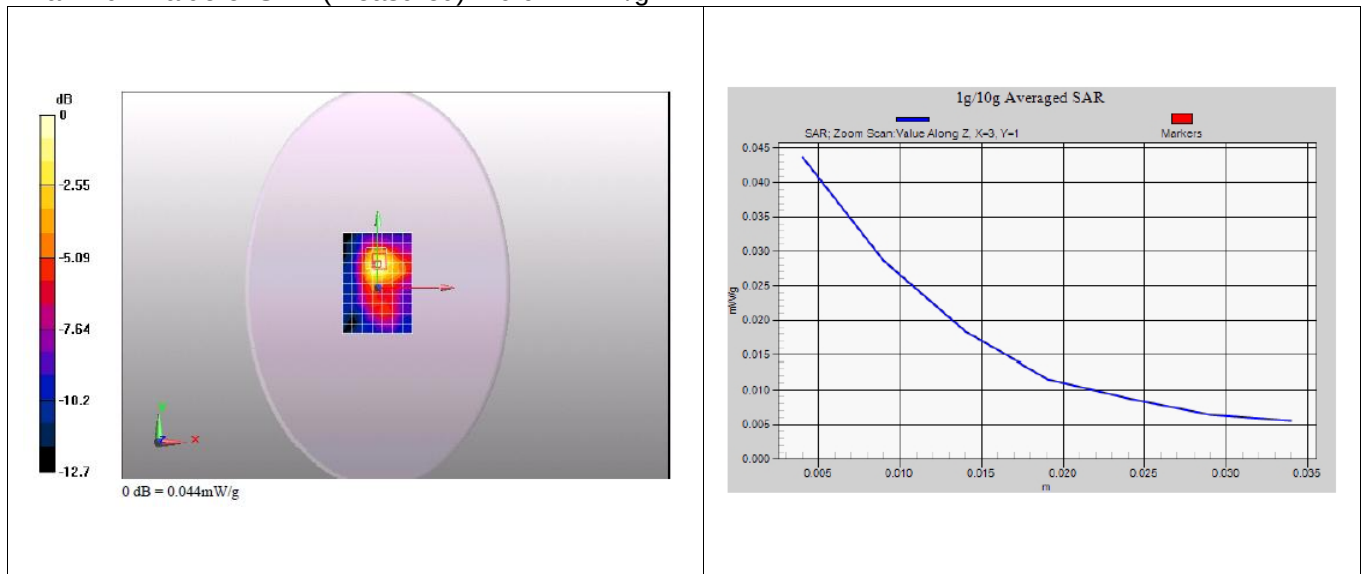
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.82 V/m; Power Drift = 0.114 dB

Peak SAR (extrapolated) = 0.060 W/kg

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.044 mW/g



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

Date/Time: 5/10/2011 15:59:46, Date/Time: 5/10/2011 16:20:52

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 6CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.24, 4.24, 4.24); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1038

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) = 0.096 mW/g

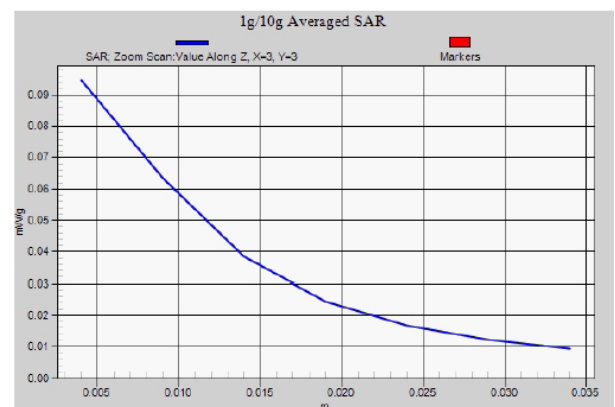
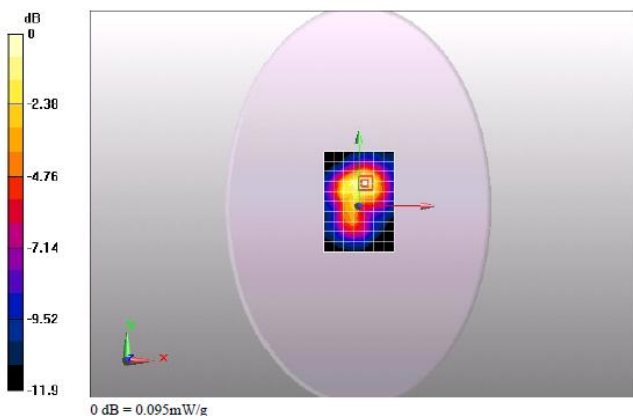
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.66 V/m; Power Drift = -0.00529 dB

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.095 mW/g



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

Date/Time: 5/10/2011 16:45:10, Date/Time: 5/10/2011 16:51:51

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 6CH Right edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.24, 4.24, 4.24); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1038

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) = 0.051 mW/g

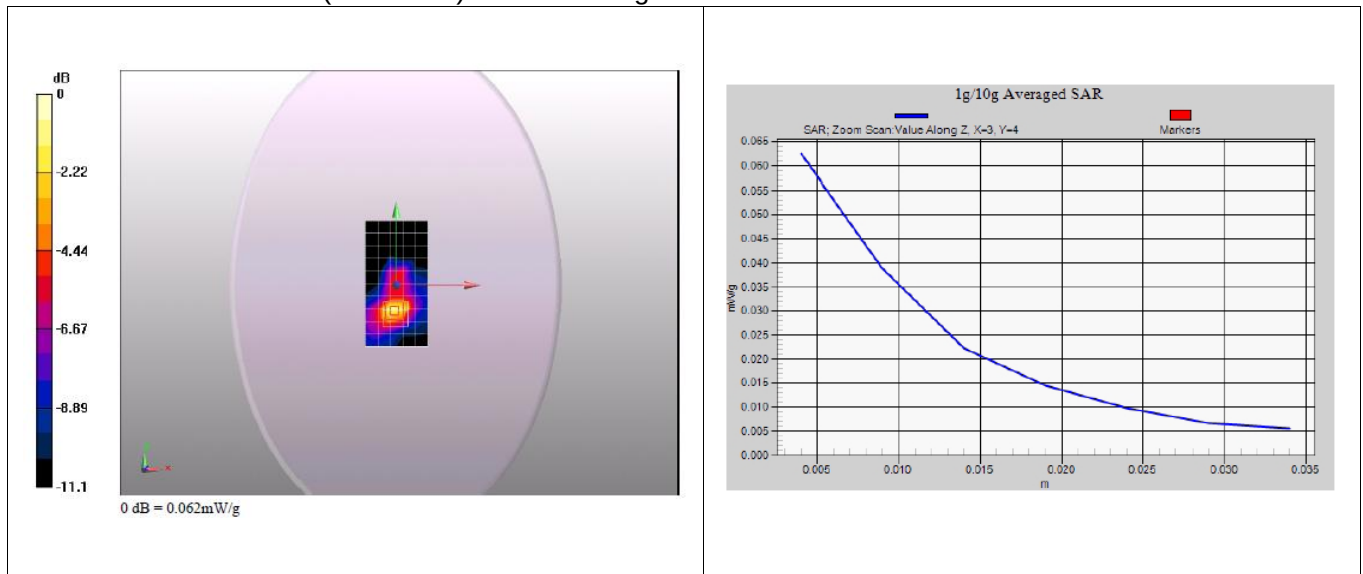
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.55 V/m; Power Drift = 0.097 dB

Peak SAR (extrapolated) = 0.087 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.062 mW/g





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

Date/Time: 5/10/2011 19:00:31, Date/Time: 5/10/2011 19:04:36

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 6CH Top edge 10mm with battery SN-UNHB508XA1922984

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

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.24, 4.24, 4.24); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1038

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) = 0.035 mW/g

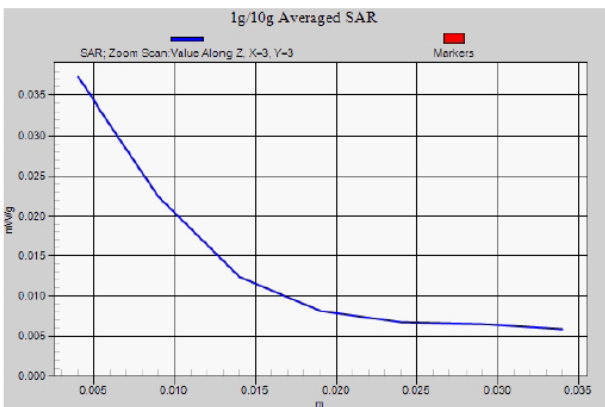
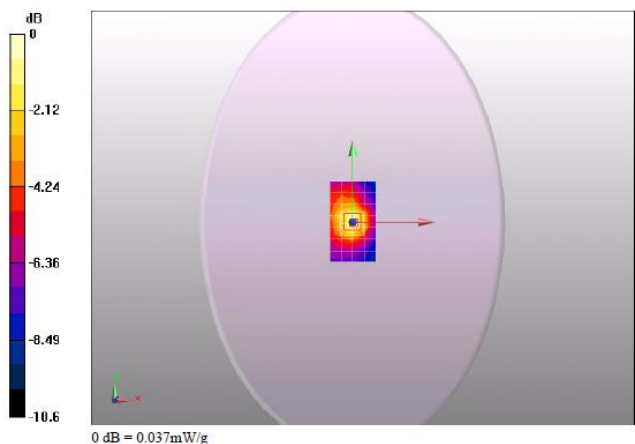
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.73 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.055 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.037 mW/g



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

Date/Time: 5/10/2011 17:15:26, Date/Time: 5/10/2011 17:24:48

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 11CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2462 MHz

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.24, 4.24, 4.24); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1038

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) = 0.105 mW/g

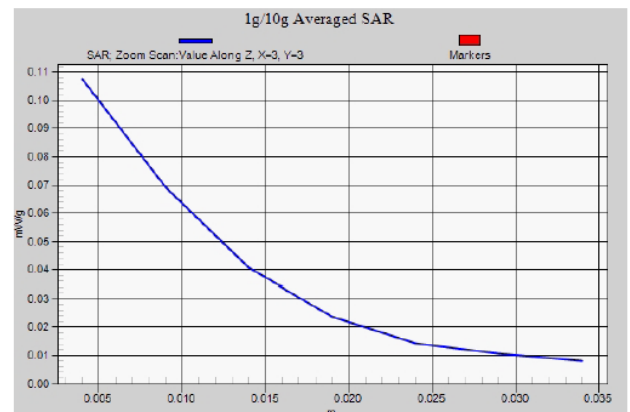
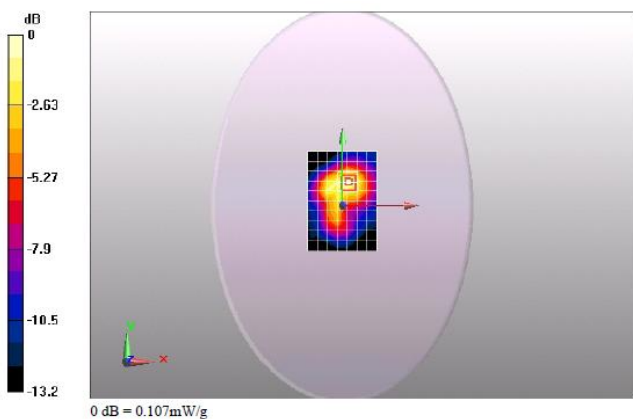
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.92 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 0.145 W/kg

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.058 mW/g

Maximum value of SAR (measured) = 0.107 mW/g



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

Date/Time: 5/10/2011 17:46:58, Date/Time: 5/10/2011 17:56:17

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 1CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2412 MHz

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.24, 4.24, 4.24); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1038

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

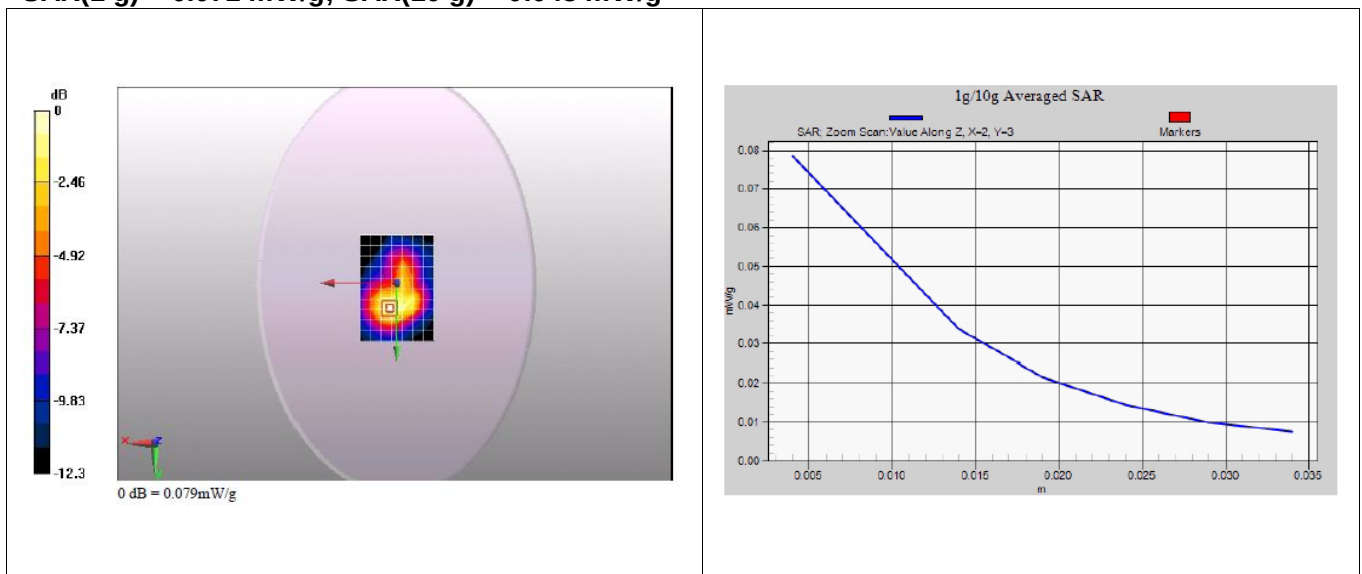
Configuration/Body/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.079 mW/g

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

Reference Value = 4.34 V/m; Power Drift = 0.173 dB

Peak SAR (extrapolated) = 0.098 W/kg

SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.043 mW/g

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

Date/Time: 5/10/2011 18:15:07, Date/Time: 5/10/2011 18:23:59

Test Laboratory: Huawei GCTC Lab

U8180-7 WIFI 11b 11CH Towards Ground 10mm with battery SN-LACB429HI1800285**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: WiFi (802.11*); Frequency: 2462 MHz

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

Probe: ES3DV3 - SN3168; ConvF(4.24, 4.24, 4.24); Calibrated: 12/23/2010

Sensor-Surface: 4mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1038

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) = 0.079 mW/g

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

Reference Value = 4.36 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.083 mW/g

