

Annex 1.5 GSM 850 MHz Body

Date/Time: 5/7/2011 12:35:06, Date/Time: 5/7/2011 13:03:29

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM850 GPRS 1TS 190CH Towards Phantom 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.441 mW/g

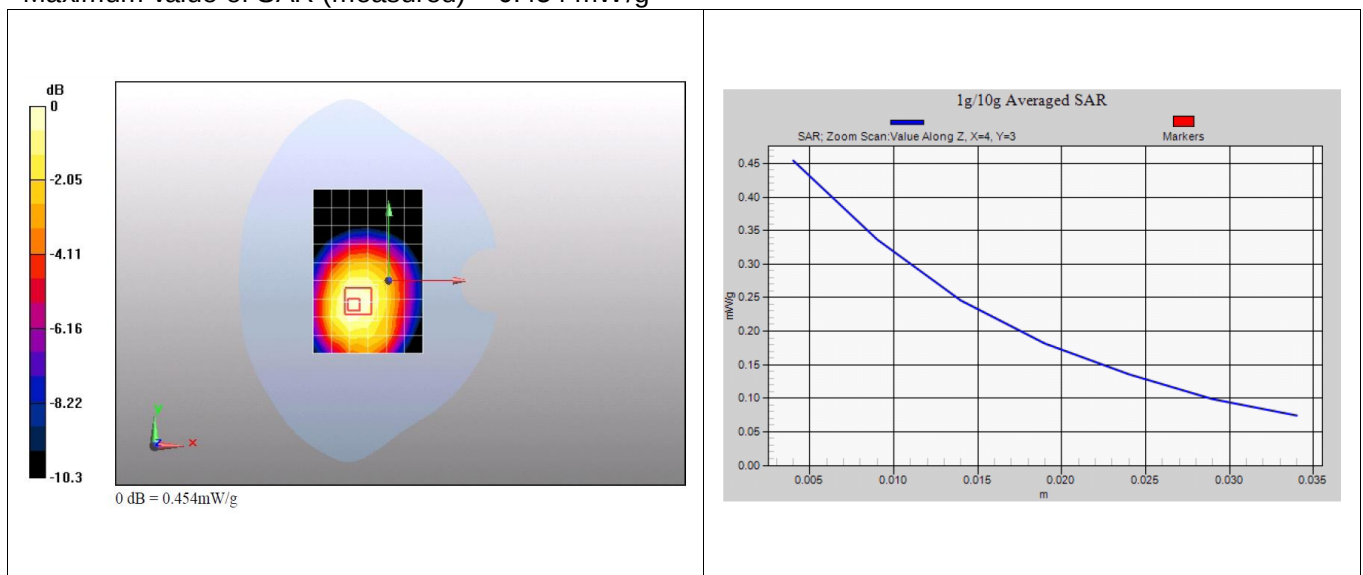
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.308 mW/g

Maximum value of SAR (measured) = 0.454 mW/g



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

Date/Time: 5/7/2011 13:26:09, Date/Time: 5/7/2011 13:32:56, Date/Time: 5/7/2011 13:46:05

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 GPRS 1TS 190CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

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

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

Reference Value = 24.8 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.489 mW/g

Maximum value of SAR (measured) = 0.742 mW/g

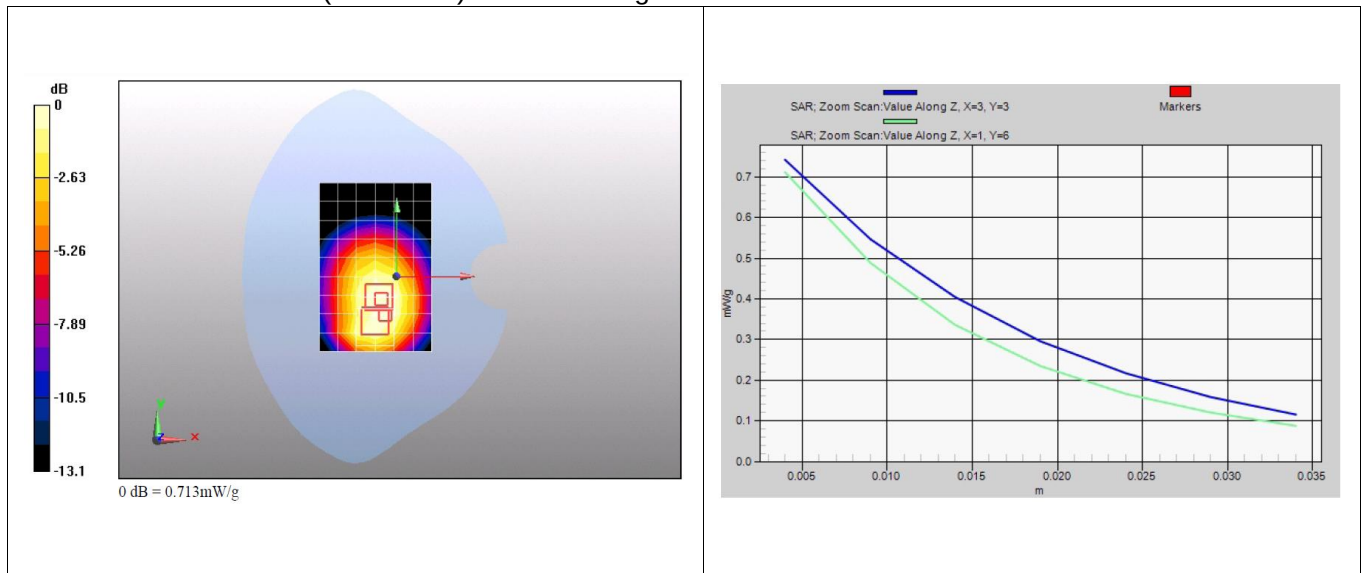
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.8 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.974 W/kg

SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.407 mW/g

Maximum value of SAR (measured) = 0.713 mW/g



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

Date/Time: 5/7/2011 14:21:06, Date/Time: 5/7/2011 14:26:01

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 GPRS 1TS 190CH Left edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (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: SAM1; Type: SAM; Serial: TP-1475

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

Configuration/Body/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.318 mW/g

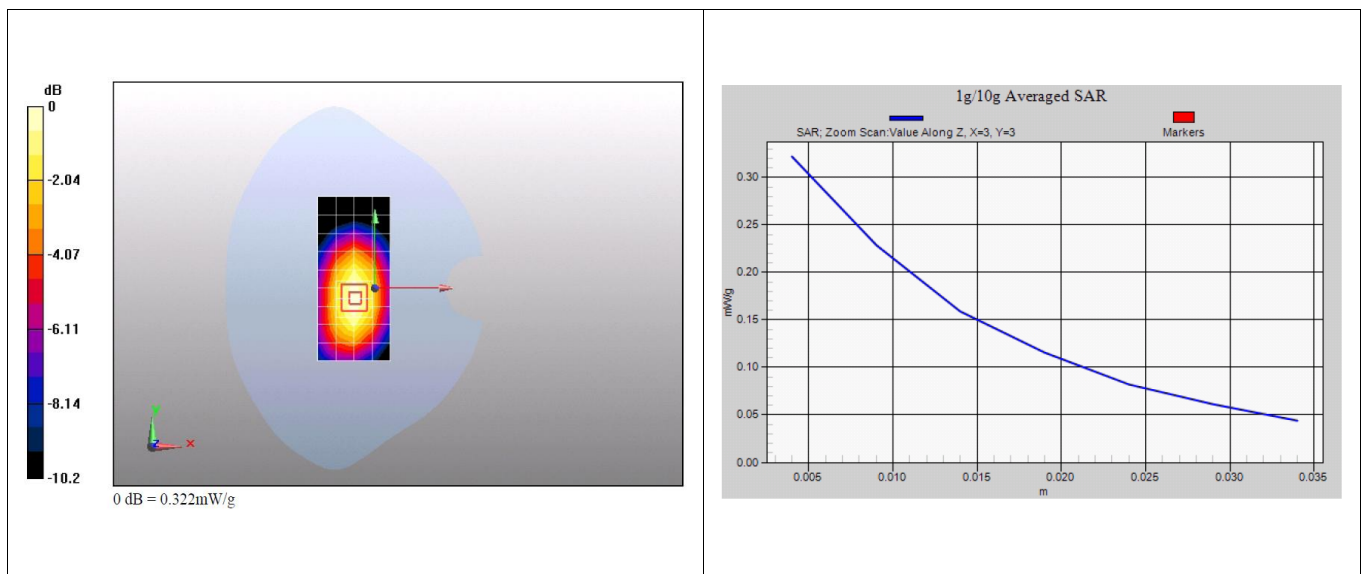
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.3 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (measured) = 0.322 mW/g



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

Date/Time: 5/7/2011 14:59:37, Date/Time: 5/7/2011 15:04:28

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 GPRS 1TS 190CH Righ edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ 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: SAM1; Type: SAM; Serial: TP-1475

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

Configuration/Body/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.426 mW/g

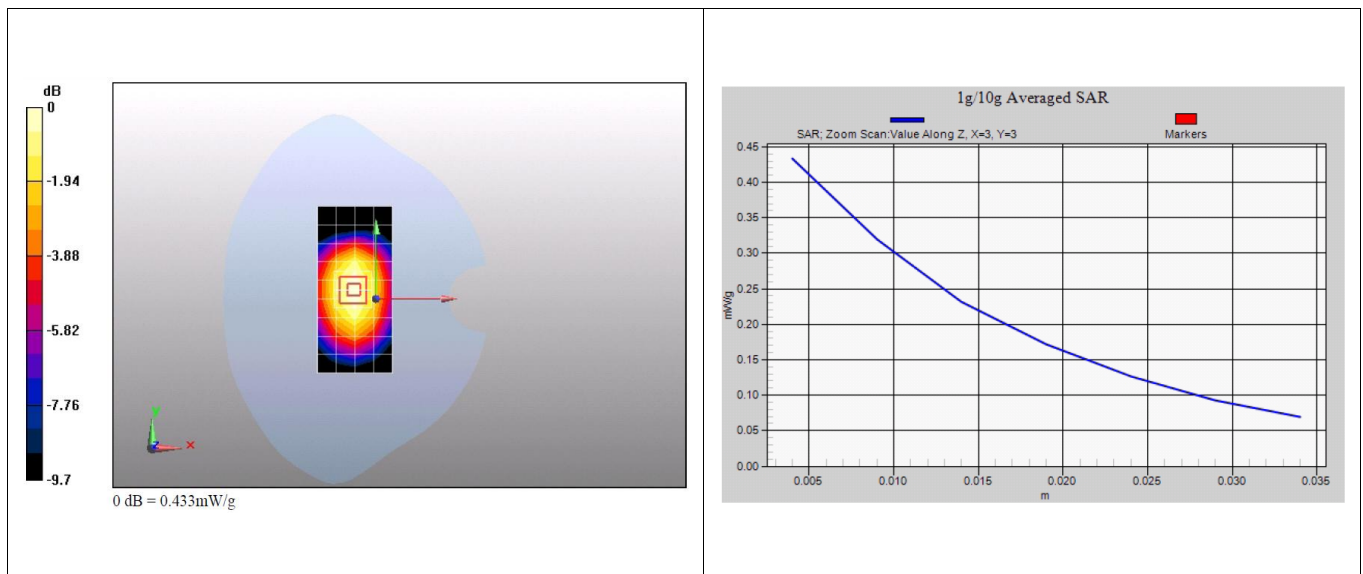
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.4 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.550 W/kg

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.285 mW/g

Maximum value of SAR (measured) = 0.433 mW/g



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

Date/Time: 5/7/2011 15:31:58, Date/Time: 5/7/2011 15:52:11

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 GPRS 1TS 190CH Bottom edge 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ 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: SAM1; Type: SAM; Serial: TP-1475

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

Configuration/Body/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.118 mW/g

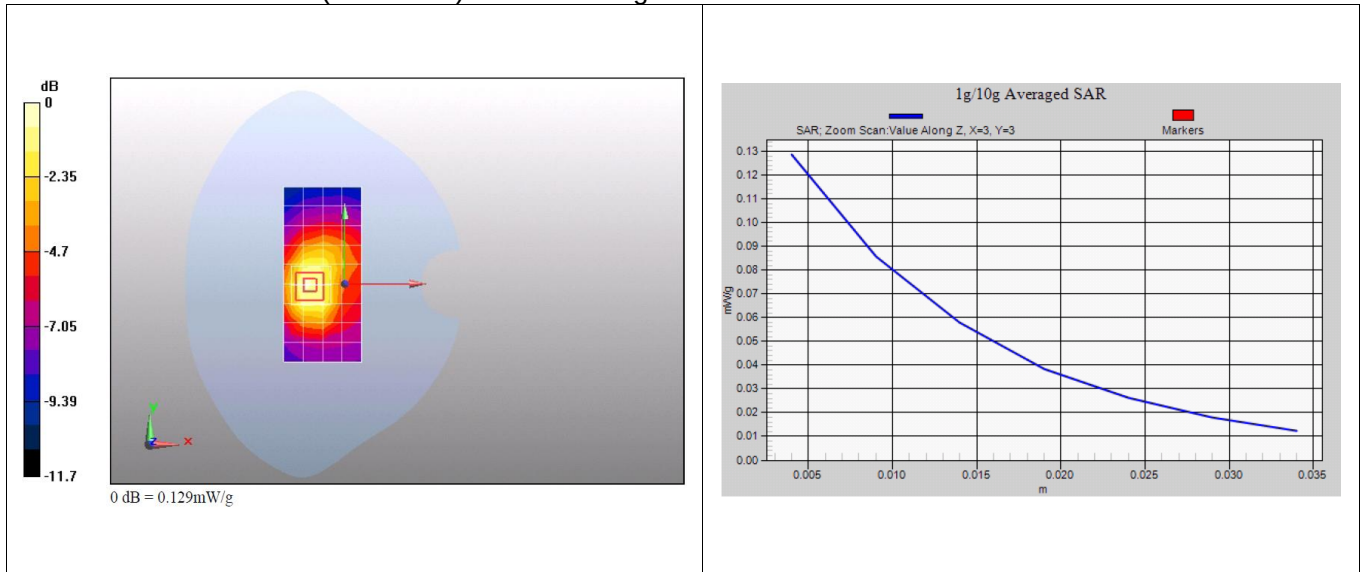
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.129 mW/g



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

Date/Time: 5/7/2011 16:18:42, Date/Time: 5/7/2011 16:29:52

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 GPRS 2TS 190CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.968 mW/g

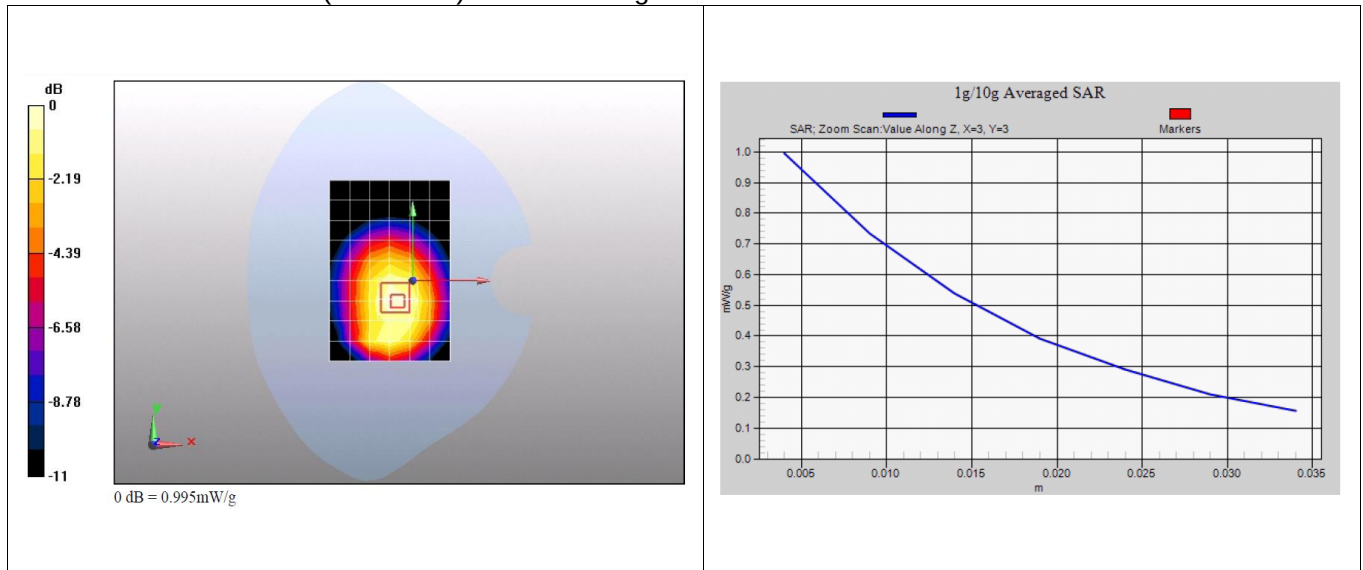
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.9 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.658 mW/g

Maximum value of SAR (measured) = 0.995 mW/g



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

Date/Time: 5/7/2011 16:47:13, Date/Time: 5/7/2011 16:57:05

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 GPRS 2TS 251CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 0.98$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.770 mW/g

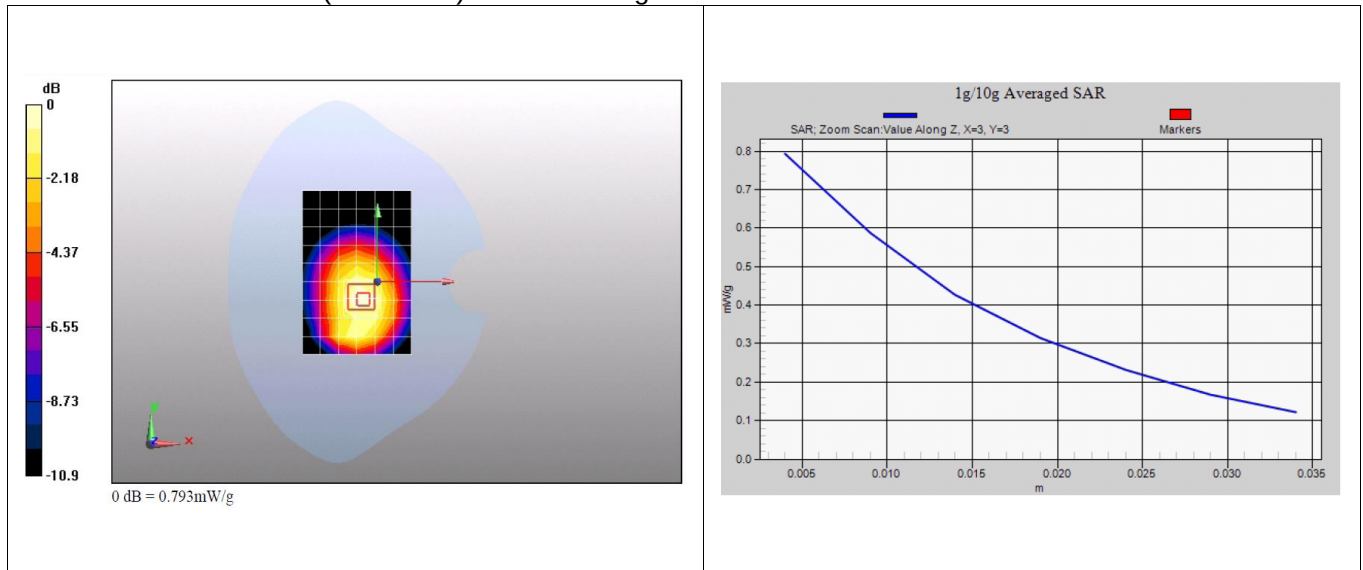
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.6 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.522 mW/g

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



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

Date/Time: 5/7/2011 17:16:58, Date/Time: 5/7/2011 17:26:14

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 GPRS 2TS 128CH Towards Ground 10mm with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.956$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 1.2 mW/g

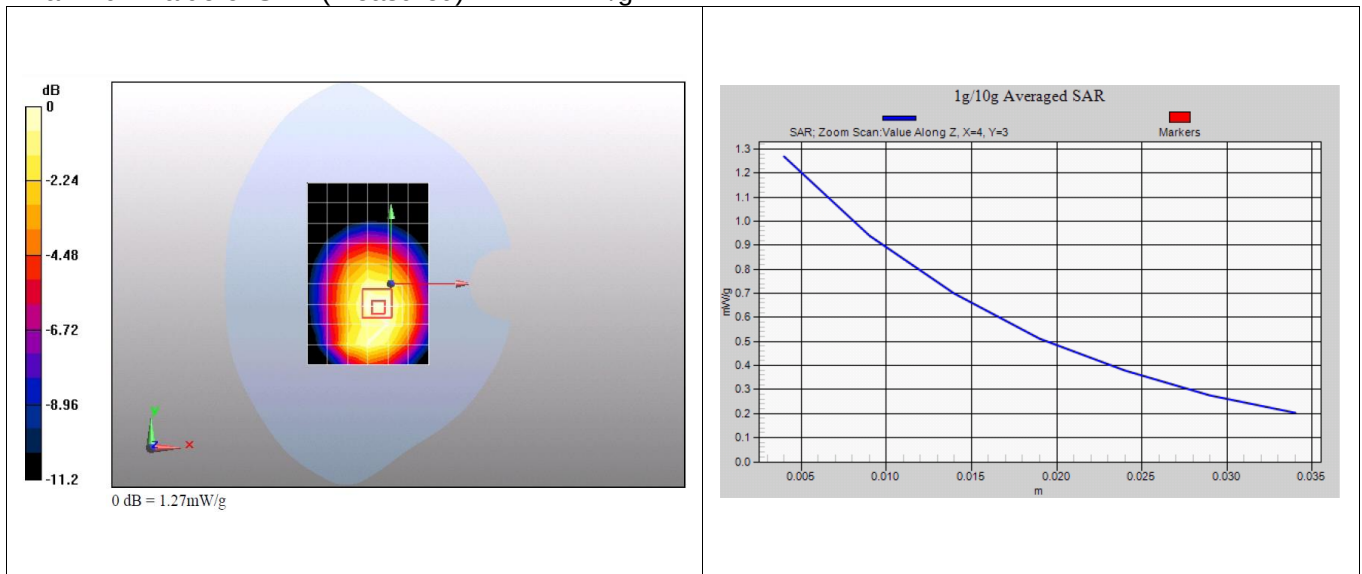
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.1 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.844 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.27 mW/g



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

Date/Time: 5/7/2011 21:42:33, Date/Time: 5/7/2011 21:49:18

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM850 EGPRS 1TS 190CH Towards Ground 10mm with battery
SNUNHB508XA1922984**

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

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.753 mW/g

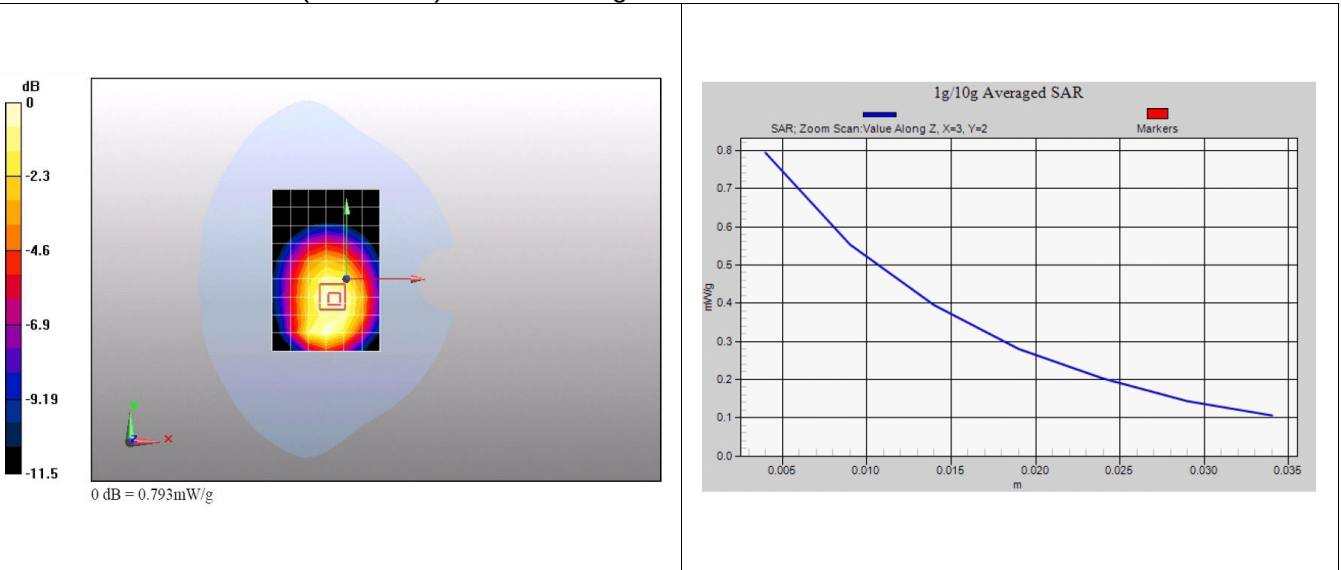
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.519 mW/g

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



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

Date/Time: 5/7/2011 22:13:52, Date/Time: 5/7/2011 22:29:02

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 EGPRS 2TS 190CH Towards Ground 10mm with battery**SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 1.04 mW/g

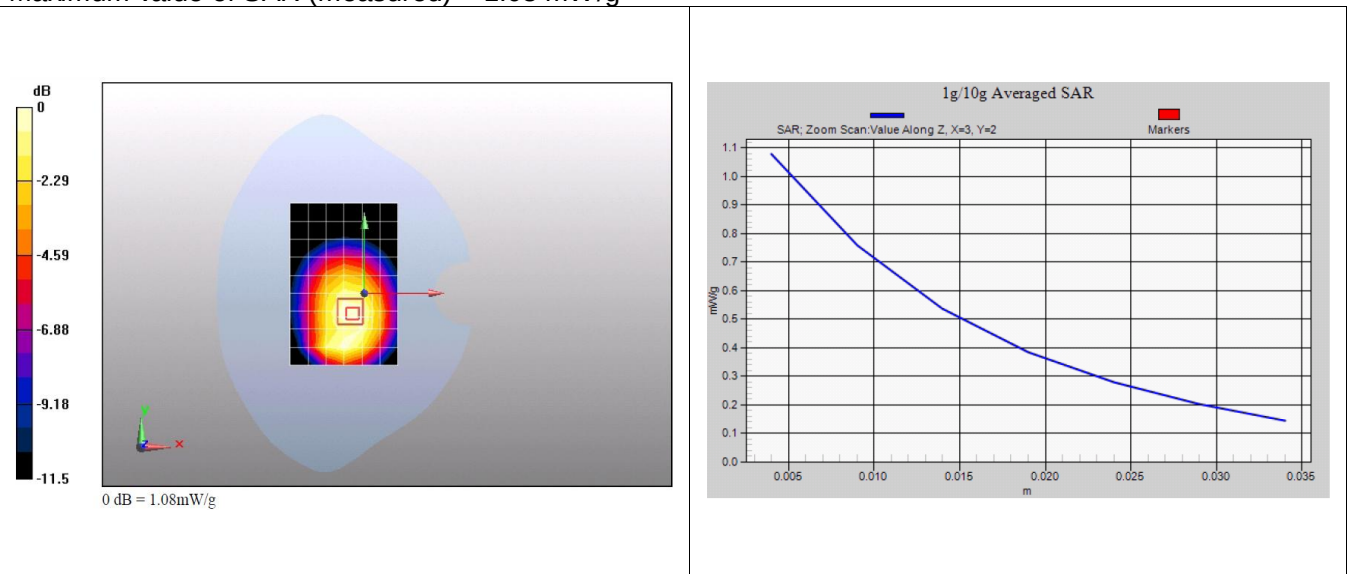
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.5 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.709 mW/g

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



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

Date/Time: 5/7/2011 22:45:17, Date/Time: 5/7/2011 22:52:03

Test Laboratory: Huawei GCTC Lab

**U8180-7 GSM850 EGPRS 2TS 251CH Towards Ground 10mm with battery
SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 0.98$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 0.827 mW/g

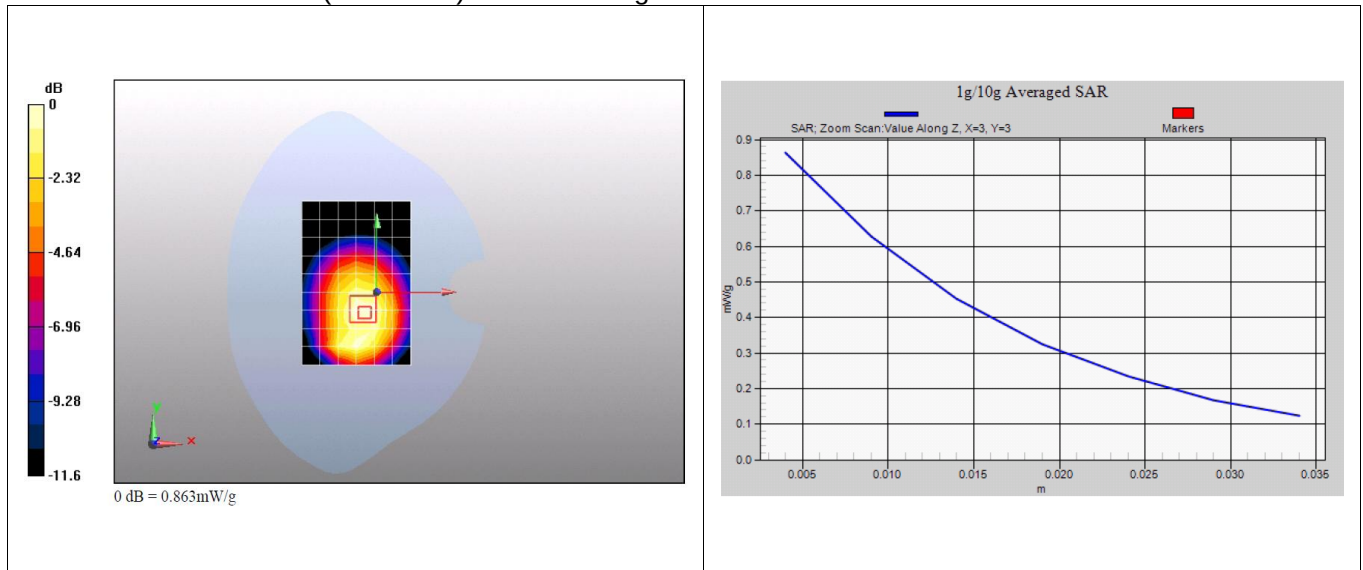
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.9 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.567 mW/g

Maximum value of SAR (measured) = 0.863 mW/g



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

Date/Time: 5/7/2011 17:50:52, Date/Time: 5/7/2011 18:13:30

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 EGPRS 2TS 128CH Towards Ground 10mm with battery**SNUNHB508XA1922984****DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.956$ 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: SAM1; Type: SAM; Serial: TP-1475

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

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

Maximum value of SAR (measured) = 1.21 mW/g

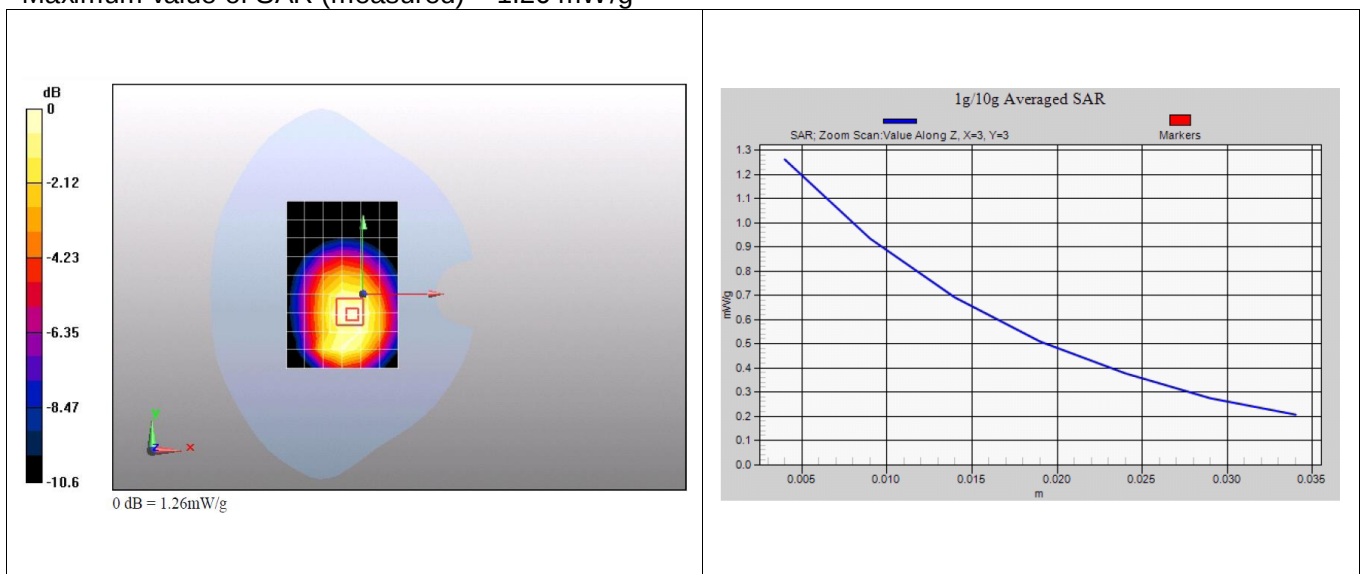
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.2 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.839 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.26 mW/g



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

Date/Time: 5/7/2011 23:45:22, Date/Time: 5/7/2011 23:53:50

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 128CH Towards Ground 10mm with headset-battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.956$ 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: SAM1; Type: SAM; Serial: TP-1475

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) = 0.767 mW/g

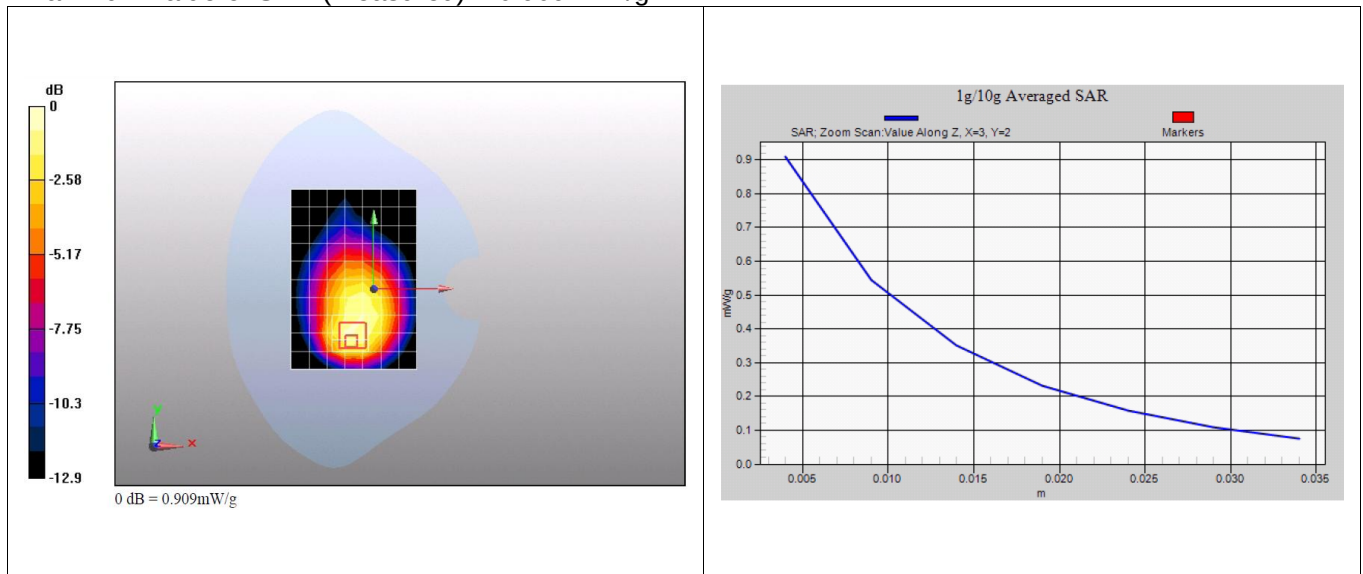
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = 0.00666 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.818 mW/g; SAR(10 g) = 0.487 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.909 mW/g



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

Date/Time: 5/8/2011 9:20:32, Date/Time: 5/8/2011 9:33:54

Test Laboratory: Huawei GCTC Lab

U8180-7 GSM850 GPRS 2TS 128CH Towards Ground 10mm with battery SN-LACB429HI1800285**DUT: U8180-7; Type: Mobile phone; Serial: Q8Z7NA1132200065**

Communication System: HW -GSM/GPRS/EDGE 2TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.956$ 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: SAM1; Type: SAM; Serial: TP-1475

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

Configuration/Body/Area Scan (10x14x1): Measurement grid: dx=10mm, dy=10mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.23 mW/g

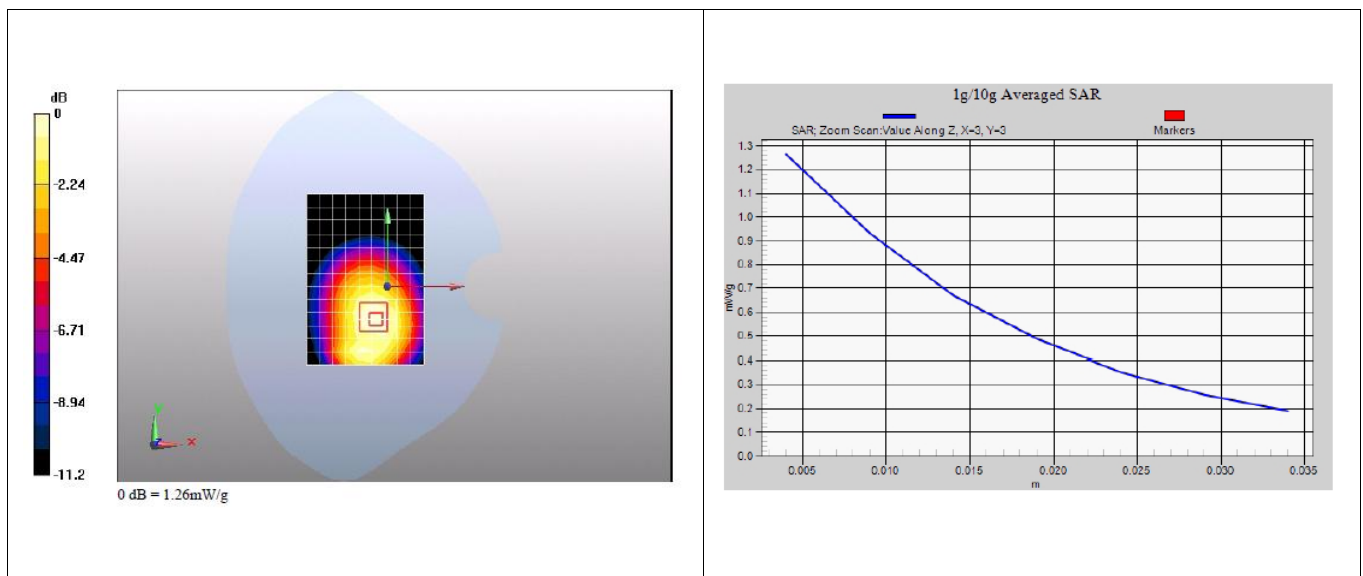
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.8 V/m; Power Drift = -0.00522 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.836 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.26 mW/g



Annex 1.6 WCDMA 850 MHz Head

Date/Time: 5/7/2011 2:59:06, Date/Time: 5/7/2011 3:05:19

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Left hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.878$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ 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[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.646 mW/g

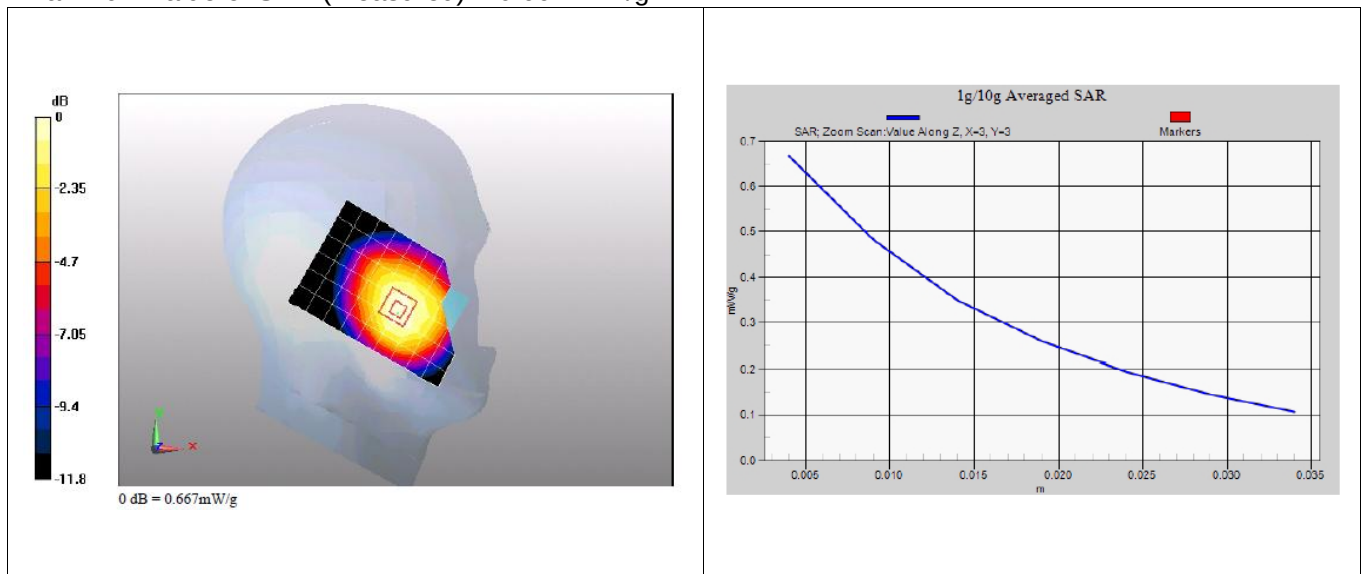
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.82 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.455 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.667 mW/g



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

Date/Time: 5/7/2011 3:53:02, Date/Time: 5/7/2011 3:59:23

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Left hand tilt 15 degree with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.878$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ 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[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

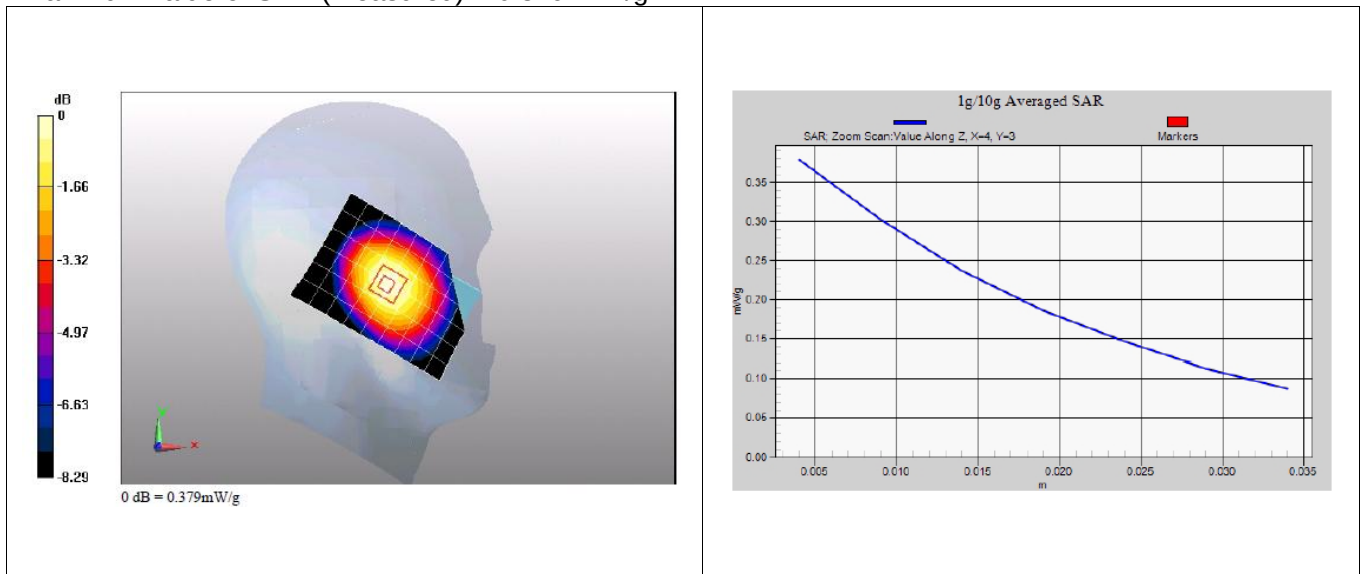
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15 V/m; Power Drift = 0.054 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.272 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.379 mW/g



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

Date/Time: 5/7/2011 4:31:42, Date/Time: 5/7/2011 4:37:59

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Right hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.878$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ 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) = 0.836 mW/g

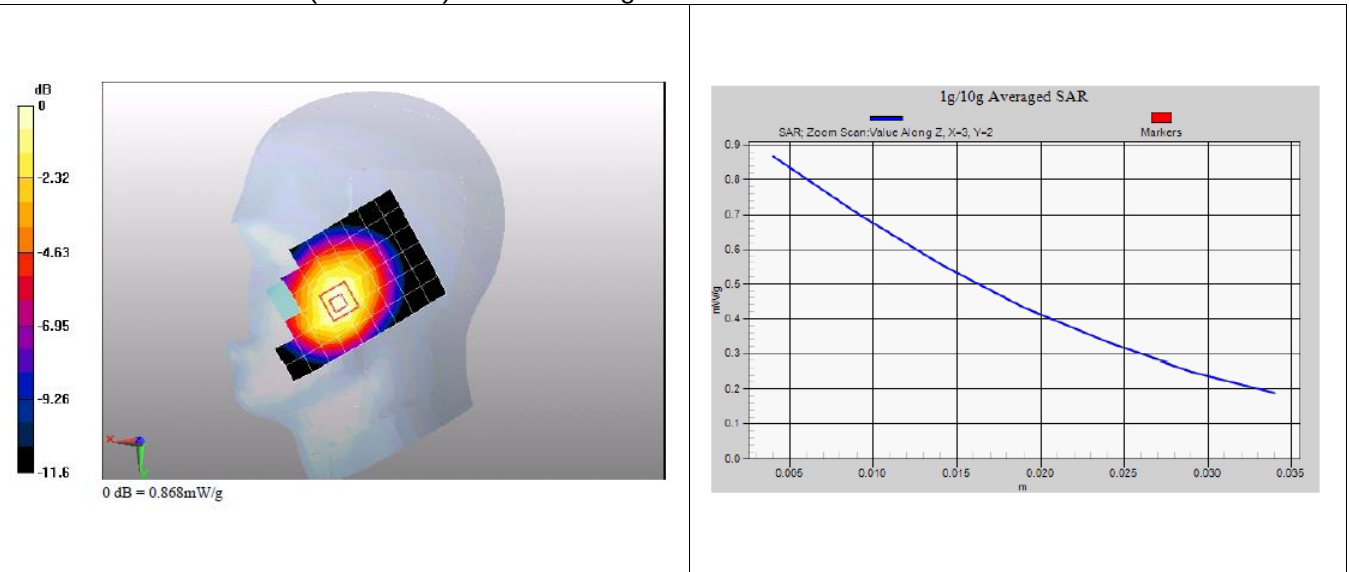
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = 0.000775 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.608 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.868 mW/g



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

Date/Time: 5/7/2011 6:12:28, Date/Time: 5/7/2011 6:19:24

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4182CH Right hand tilt 15 degree with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.878$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ 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: DASYS, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

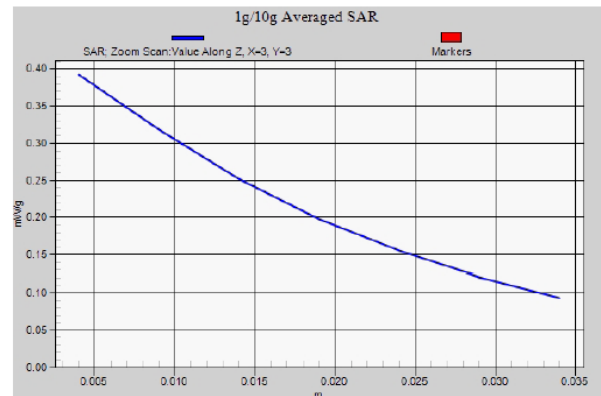
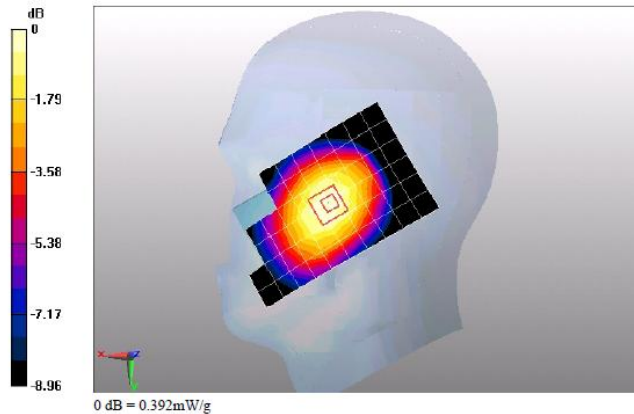
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = -0.098 dB

Peak SAR (extrapolated) = 0.458 W/kg

SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.285 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.392 mW/g



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

Date/Time: 5/7/2011 4:52:40, Date/Time: 5/7/2011 4:58:56

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4233CH Right hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used: $f = 847$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ 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) = 0.821 mW/g

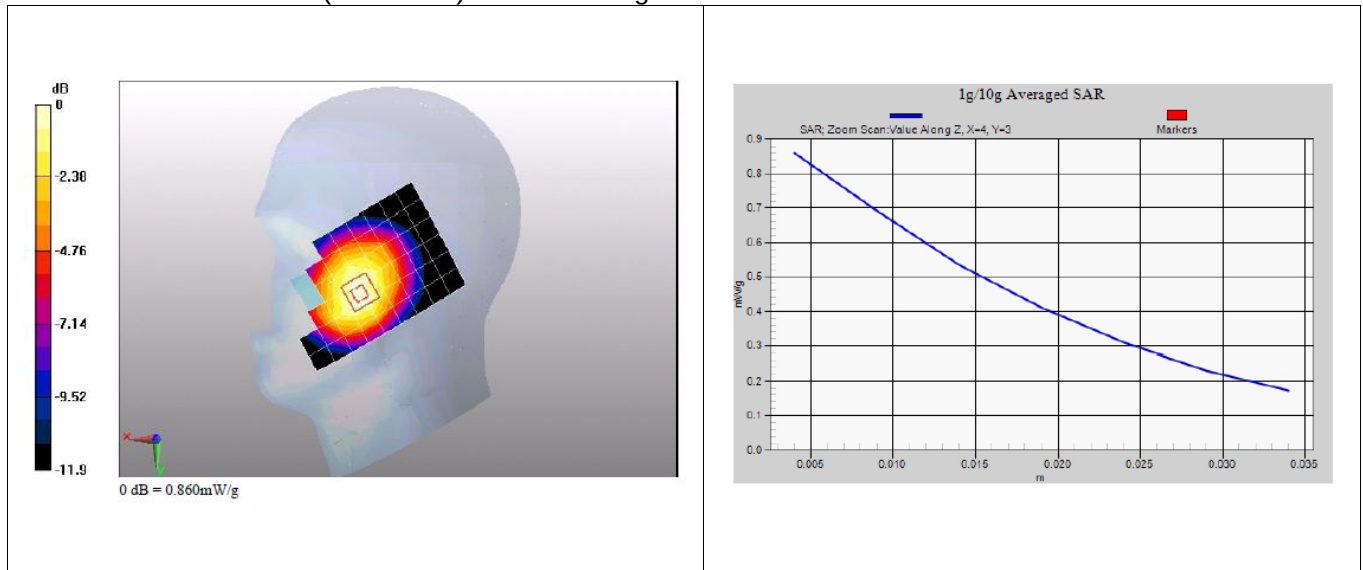
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.46 V/m; Power Drift = 0.098 dB

Peak SAR (extrapolated) = 1 W/kg

SAR(1 g) = 0.818 mW/g; SAR(10 g) = 0.597 mW/g

Maximum value of SAR (measured) = 0.860 mW/g



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

Date/Time: 5/7/2011 5:19:08, Date/Time: 5/7/2011 5:25:24

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4132CH Right hand touch cheek with battery SN-UNHB508XA1922984**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ 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) = 0.719 mW/g

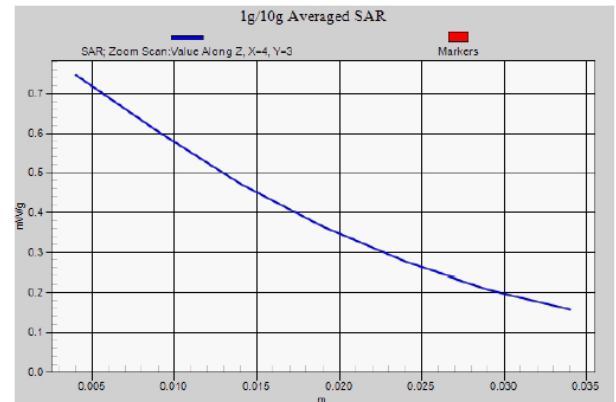
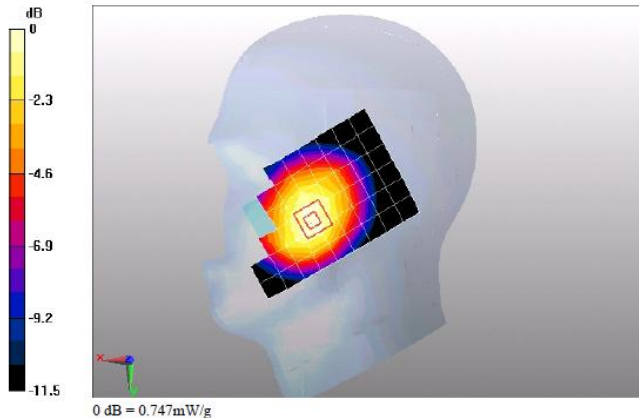
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.2 V/m; Power Drift = 0.00388 dB

Peak SAR (extrapolated) = 0.869 W/kg

SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.525 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.747 mW/g



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

Date/Time: 5/7/2011 8:41:08, Date/Time: 5/7/2011 8:47:25

Test Laboratory: Huawei GCTC Lab

U8180-7 WCDMA 850 4233CH Right hand touch cheek with battery SN-LACB429HI1800285**DUT: U8180-7; Type: Handset; Serial: Q8Z7NA1132200065**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.878$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ 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) = 0.791 mW/g

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

Reference Value = 9.39 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.972 W/kg

SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.587 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

