

Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/4/2011 3:17:07, Date/Time: 5/4/2011 3:22:29

Test Laboratory: HUAWEI GCTC Lab

E173u-3 GSM1900 EGPRS 2TS 661CH Back Side 5mm

DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.65, 8.03); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.669 mW/g

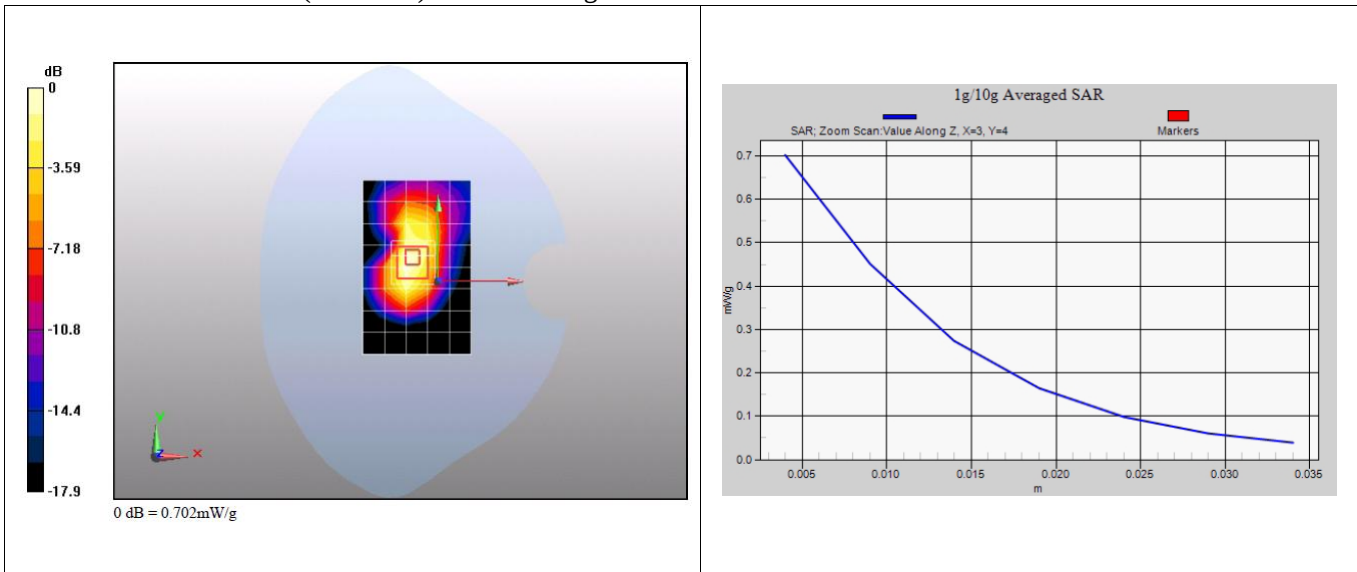
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.7 V/m; Power Drift = -0.00544 dB

Peak SAR (extrapolated) = 0.990 W/kg

SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.352 mW/g

Maximum value of SAR (measured) = 0.702 mW/g



Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/4/2011 6:37:33, Date/Time: 5/4/2011 6:42:55

Test Laboratory: HUAWEI GCTC Lab

E173u-3 GSM1900 EGPRS 3TS 810CH Back Side 5mm**DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173**

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 1909.8 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.65, 8.03); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.807 mW/g

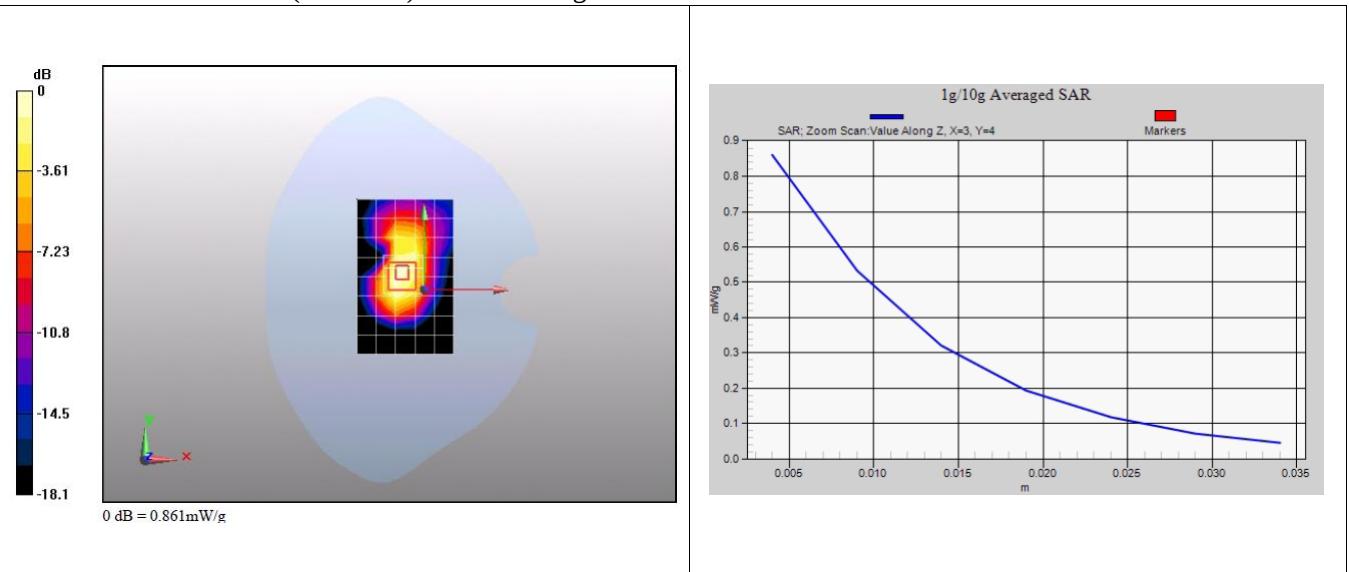
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.2 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 0.861 mW/g





Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/4/2011 4:11:08, Date/Time: 5/4/2011 4:16:31

Test Laboratory: HUAWEI GCTC Lab

E173u-3 GSM1900 EGPRS 3TS 661CH Back Side 5mm

DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.65, 8.03); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.672 mW/g

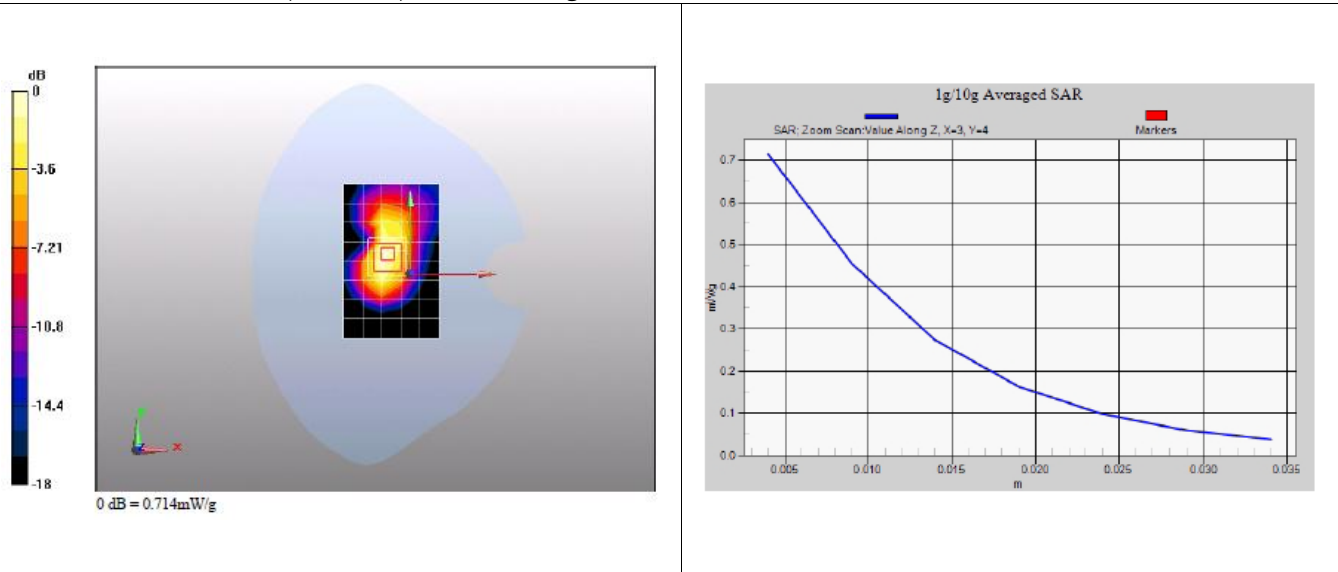
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.997 W/kg

SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.354 mW/g

Maximum value of SAR (measured) = 0.714 mW/g



Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/4/2011 7:12:17, Date/Time: 5/4/2011 7:17:39

Test Laboratory: HUAWEI GCTC Lab

E173u-3 GSM1900 EGPRS 3TS 512CH Back Side 5mm**DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173**

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 1850.2 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.65, 8.03); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

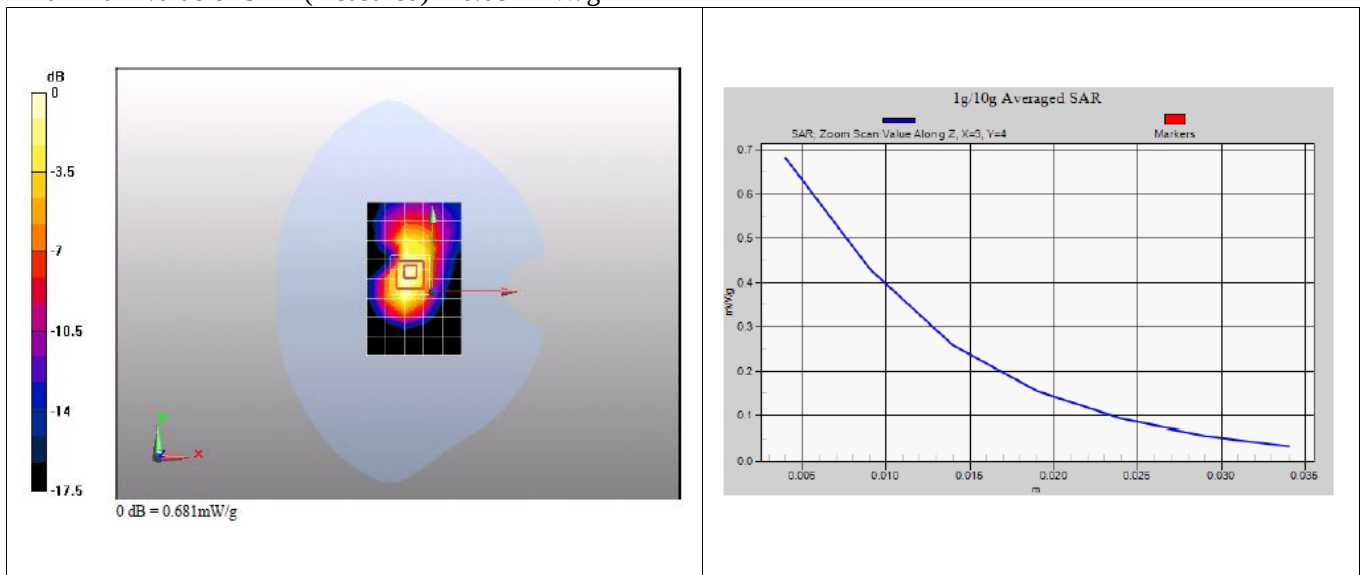
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.602 mW/g; SAR(10 g) = 0.337 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.681 mW/g



Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/4/2011 6:00:27, Date/Time: 5/4/2011 6:05:48

Test Laboratory: HUAWEI GCTC Lab

E173u-3 GSM1900 EGPRS 4TS 661CH Back Side 5mm

DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.49, 7.65, 8.03); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.590 mW/g

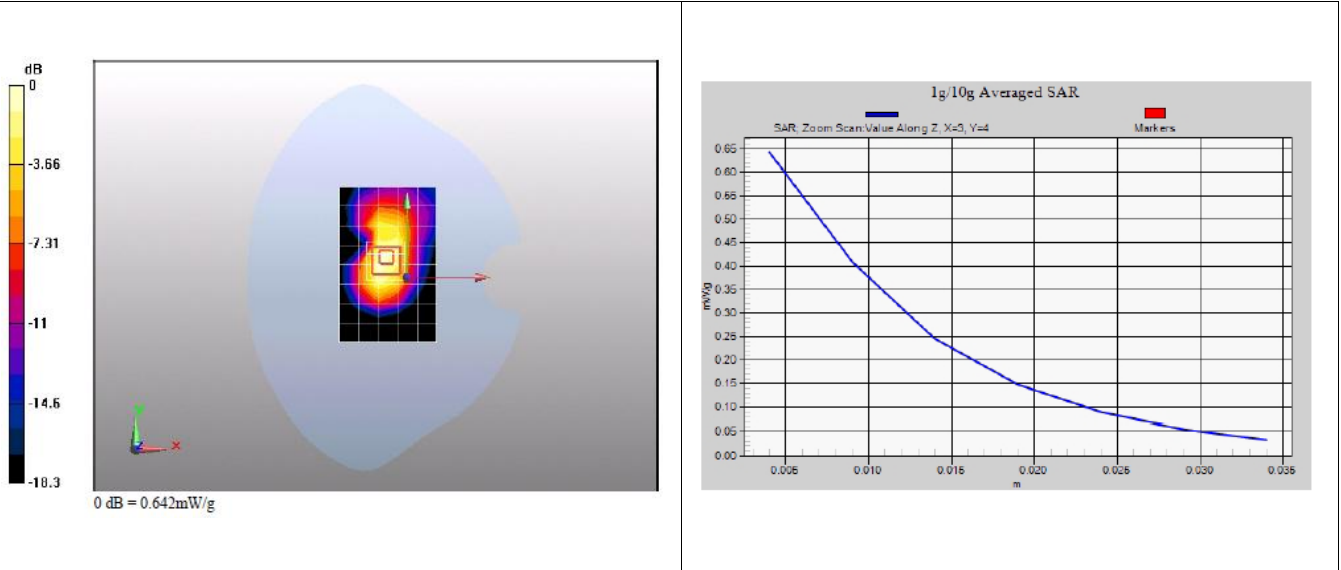
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.9 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.896 W/kg

SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 0.642 mW/g



Test report no.: SYBH(Z-SAR)003062011-2

Annex 2.3 WCDMA 850MHz body

Date/Time: 5/5/2011 0:47:41, Date/Time: 5/5/2011 0:53:07

Test Laboratory: HUAWEI GCTC Lab

E173u-3 WCDMA850 4233GH Front side 5mm**DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173**

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

Medium parameters used: $f = 847$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASYS, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.739 mW/g

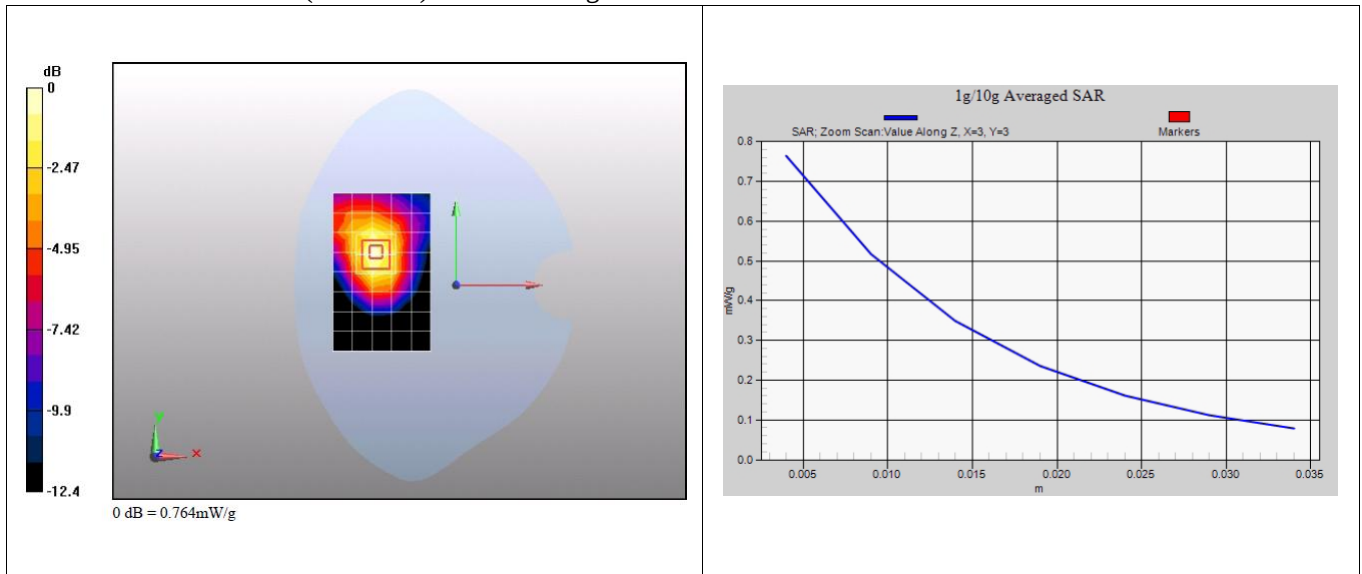
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.62 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.438 mW/g

Maximum value of SAR (measured) = 0.764 mW/g



Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/5/2011 0:15:13, Date/Time: 5/5/2011 0:20:36

Test Laboratory: HUAWEI GCTC Lab

E173u-3 WCDMA850 4182CH Front side 5mm**DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.639 mW/g

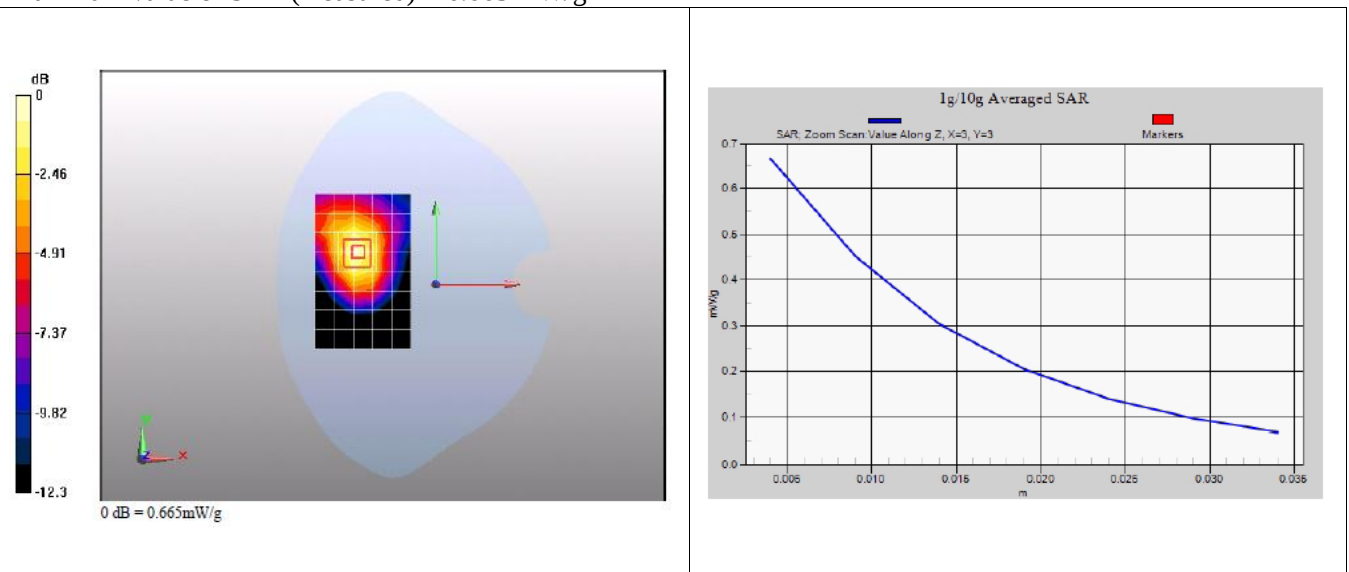
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.26 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.898 W/kg

SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.381 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.665 mW/g





Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/5/2011 2:10:48, Date/Time: 5/5/2011 2:16:12

Test Laboratory: HUAWEI GCTC Lab

E173u-3 WCDMA850 4132CH Front side 5mm

DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.553 mW/g

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

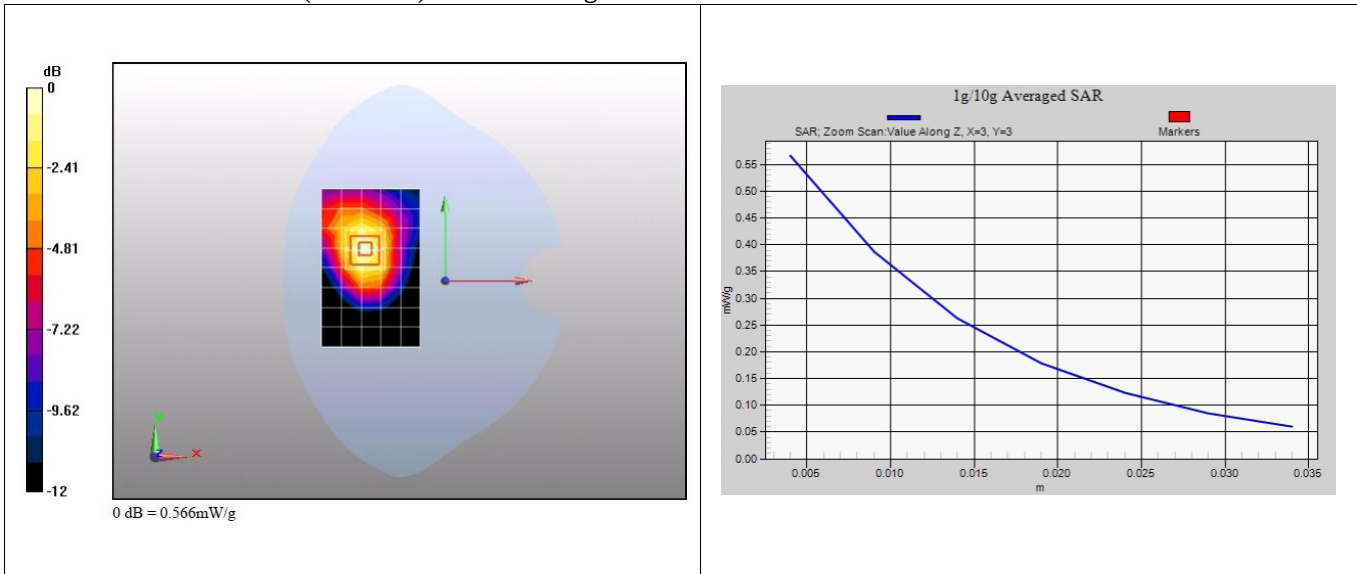
Reference Value = 4.13 V/m; Power Drift = 0.148 dB

Peak SAR (extrapolated) = 0.766 W/kg

SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.328 mW/g

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

Maximum value of SAR (measured) = 0.566 mW/g





Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/4/2011 22:22:37, Date/Time: 5/4/2011 22:28:00

Test Laboratory: HUAWEI GCTC Lab

E173u-3 WCDMA850 4182CH Back side 5mm

DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.554 mW/g

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

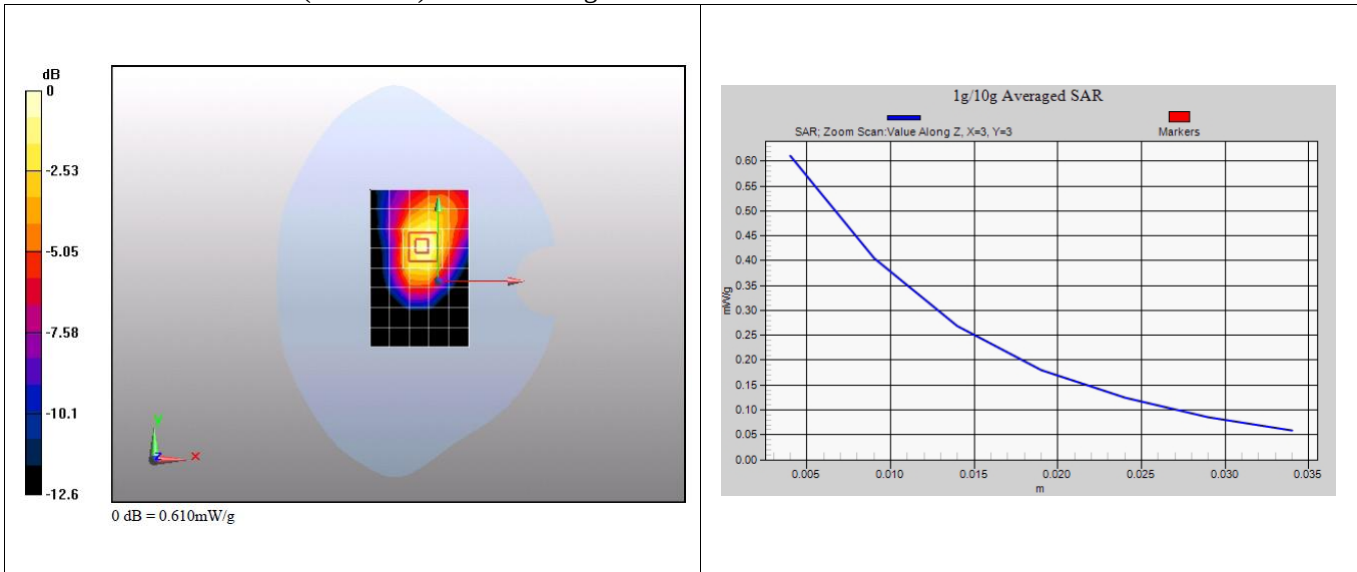
Reference Value = 16.9 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.861 W/kg

SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.336 mW/g

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

Maximum value of SAR (measured) = 0.610 mW/g





Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/4/2011 22:59:06, Date/Time: 5/4/2011 23:04:28

Test Laboratory: HUAWEI GCTC Lab

E173u-3 WCDMA850 4182CH Left side 5mm

DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.204 mW/g

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

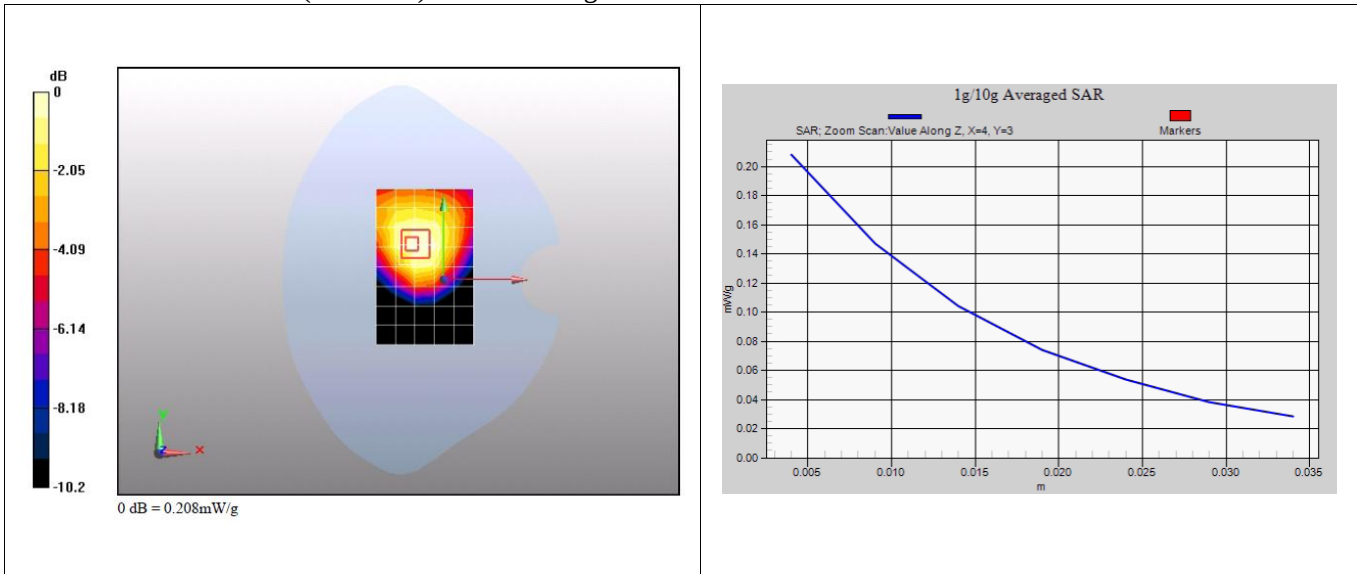
Reference Value = 11.1 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.134 mW/g

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

Maximum value of SAR (measured) = 0.208 mW/g



Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/4/2011 23:29:22, Date/Time: 5/4/2011 23:34:45

Test Laboratory: HUAWEI GCTC Lab

E173u-3 WCDMA850 4182CH Right side 5mm**DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.401 mW/g

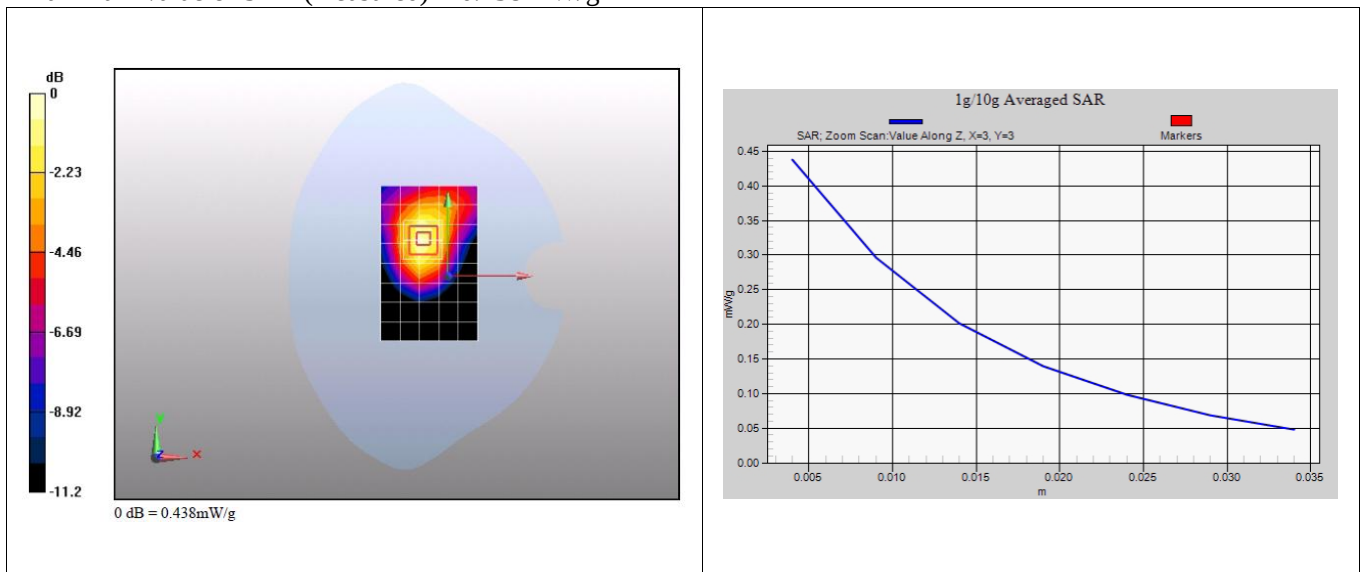
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.1 V/m; Power Drift = 0.147 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.255 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.438 mW/g



Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/5/2011 3:25:24, Date/Time: 5/5/2011 3:30:47

Test Laboratory: HUAWEI GCTC Lab

E173u-3 WCDMA850 4233CH Front side 5mm with HSDPA

DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173

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

Medium parameters used: $f = 847$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.734 mW/g

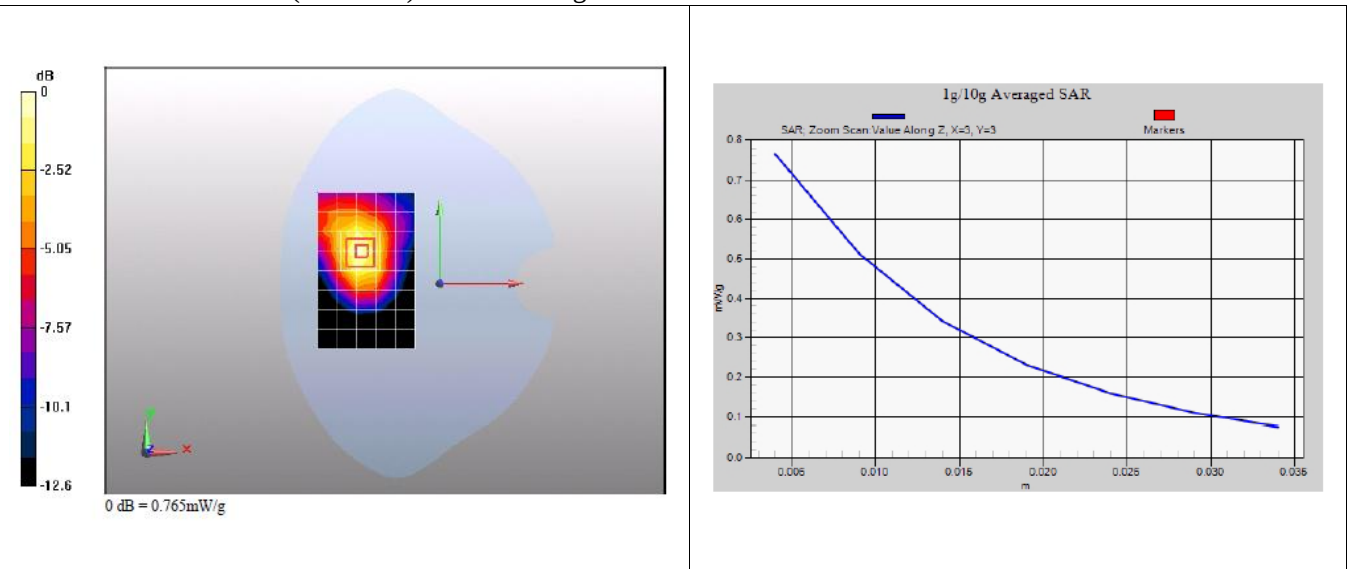
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.55 V/m; Power Drift = 0.134 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.434 mW/g

Maximum value of SAR (measured) = 0.765 mW/g



Test report no.: SYBH(Z-SAR)003062011-2

Date/Time: 5/5/2011 4:26:58, Date/Time: 5/5/2011 4:32:23

Test Laboratory: HUAWEI GCTC Lab

E173u-3 WCDMA850 4233CH Front side 5mm with HSUPA

DUT: E173u-3; Type: HSPA USB Stick; Serial: H55TAA1060200173

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

Medium parameters used: $f = 847$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.79, 8.99, 9.47); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.525 mW/g

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

Reference Value = 4.18 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.740 W/kg

SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.308 mW/g

Maximum value of SAR (measured) = 0.537 mW/g

