



Appendix B. SAR Measurement Plots

Table of contents
GSM 850 MHz Body
GSM 1900 MHz Body
WCDMA 850 MHz Body

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 1TS 190CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.654 mW/g

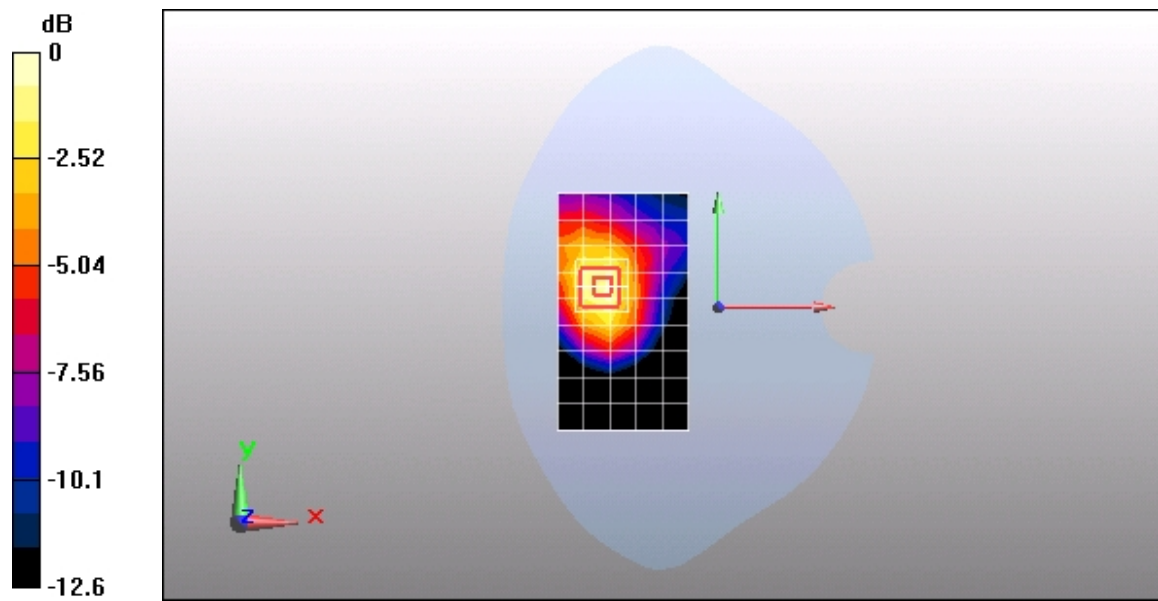
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.03 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.421 mW/g

Maximum value of SAR (measured) = 0.745 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 2TS 190CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

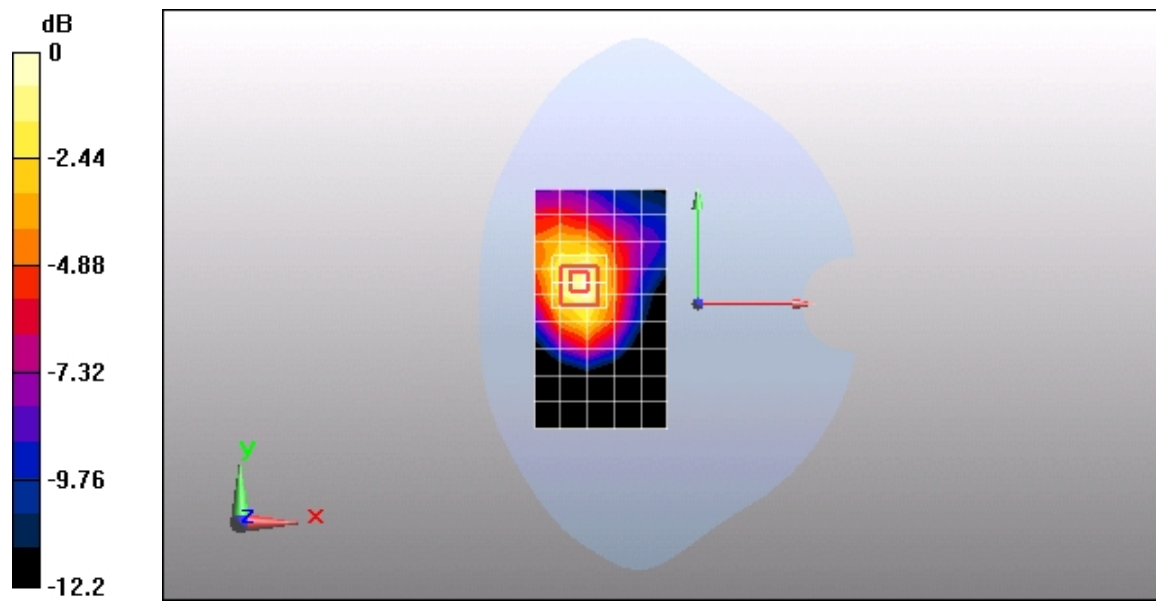
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.42 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.444 mW/g

Maximum value of SAR (measured) = 0.783 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 3TS 190CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

Communication System: HW -GSM/GPRS/EDGE 3TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.703 mW/g

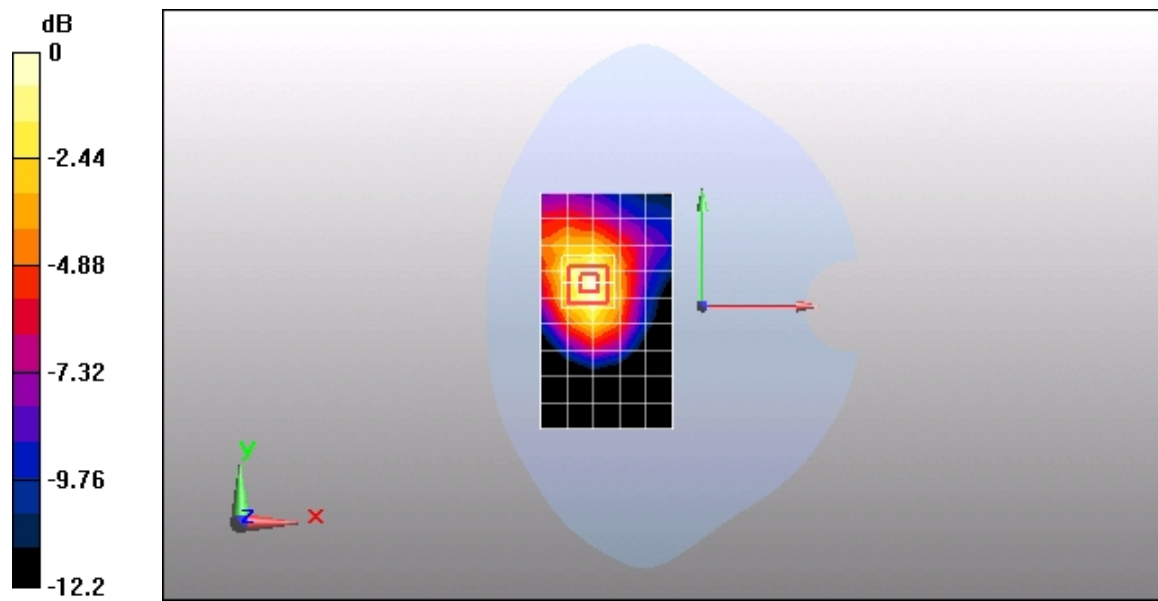
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.5 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.431 mW/g

Maximum value of SAR (measured) = 0.756 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 4TS 190CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

Communication System: HW -GSM/GPRS/EDGE 4TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.609 mW/g

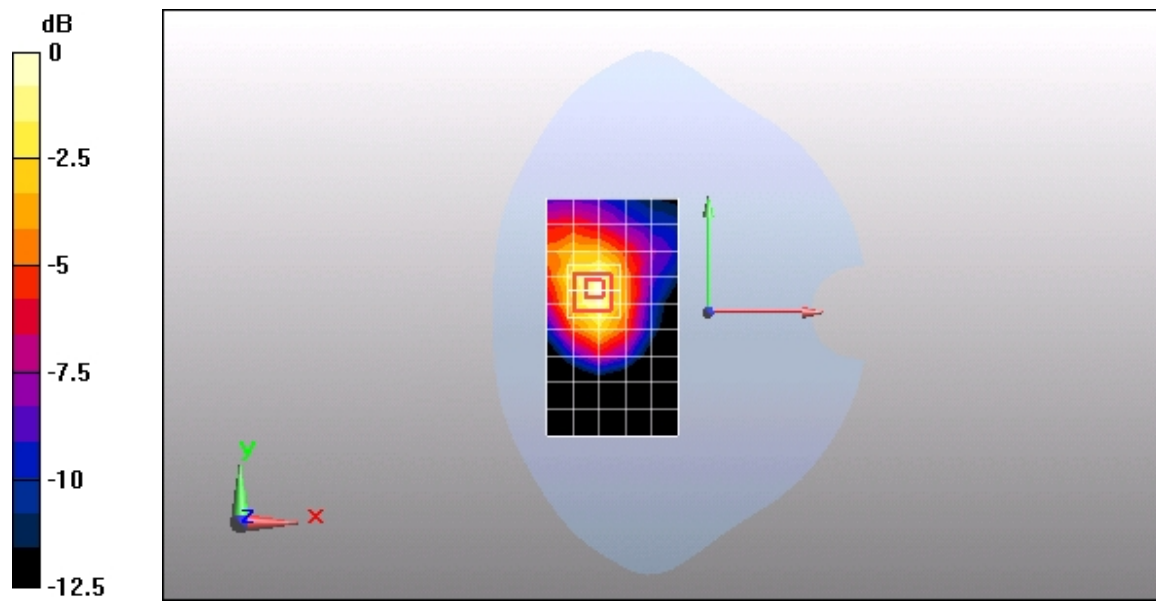
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.16 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.988 W/kg

SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.386 mW/g

Maximum value of SAR (measured) = 0.683 mW/g



0 dB = 0.683mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 2TS 190CH Rear side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.978 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.05 mW/g

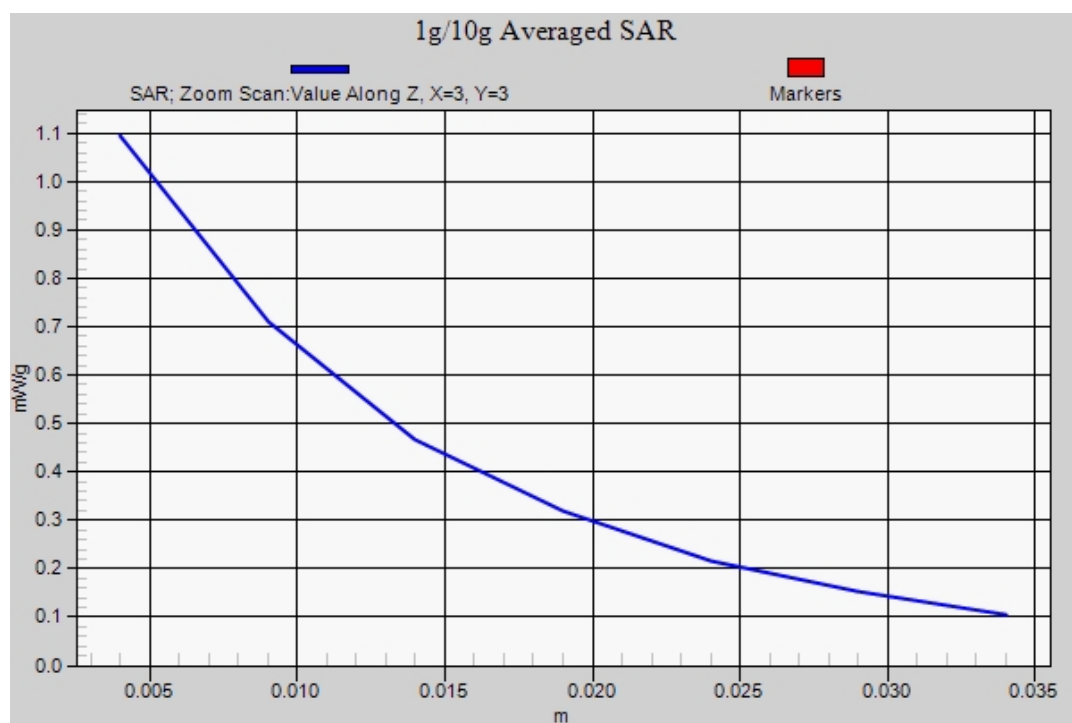
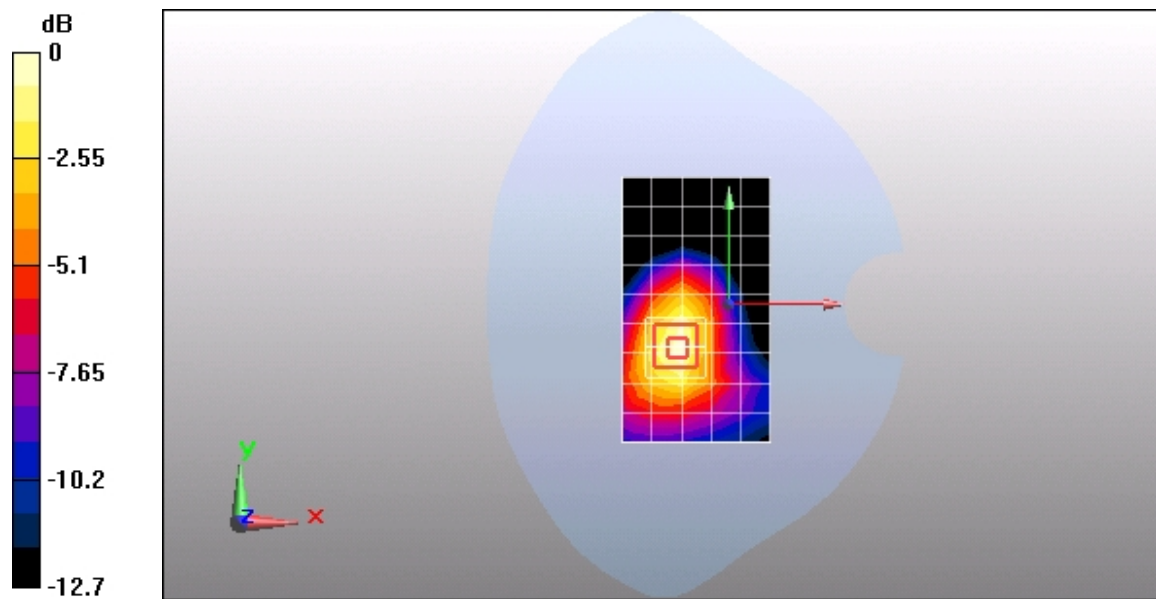
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.613 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 2TS 190CH Left Side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.278 mW/g

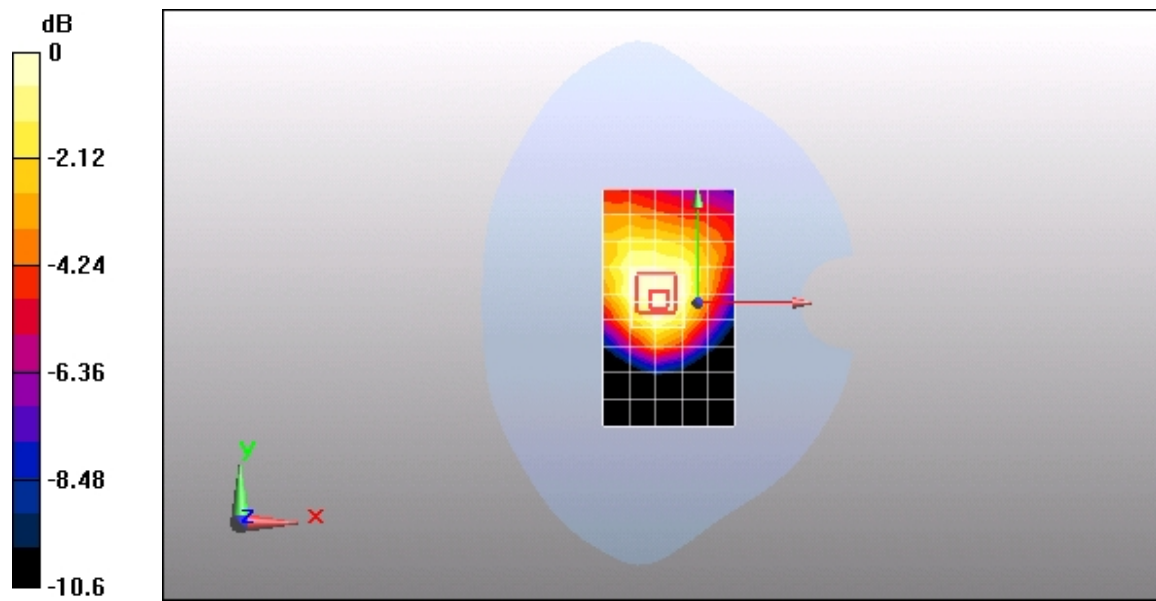
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.186 mW/g

Maximum value of SAR (measured) = 0.284 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 2TS 190CH Right Side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.465 mW/g

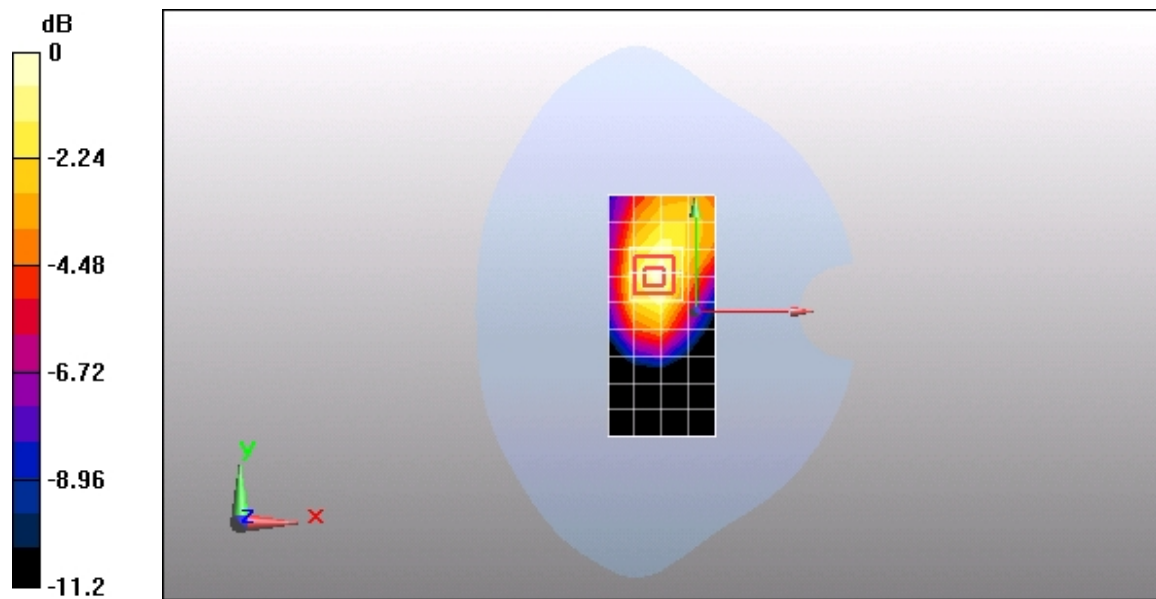
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.00181 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.282 mW/g

Maximum value of SAR (measured) = 0.488 mW/g



0 dB = 0.488mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 2TS 190CH Top side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x7x1): Measurement grid: dx=15mm, dy=15mm

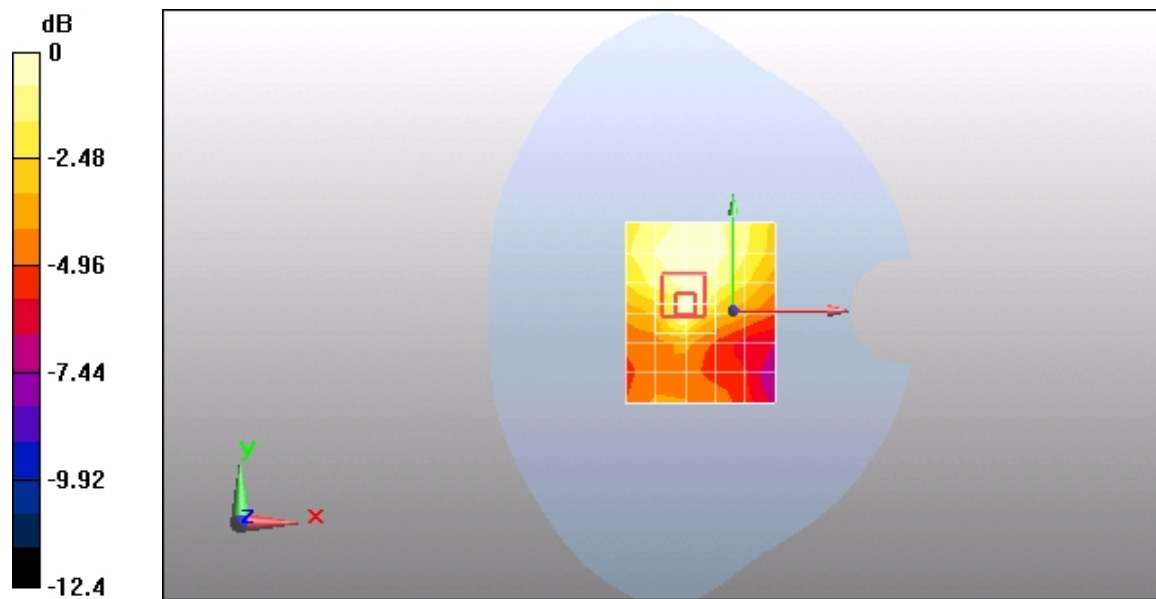
Maximum value of SAR (measured) = 0.029 mW/g

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

Reference Value = 4.93 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 0.051 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.018 mW/g



0 dB = 0.029mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 2TS 251CH Rear side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 849$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.890 mW/g

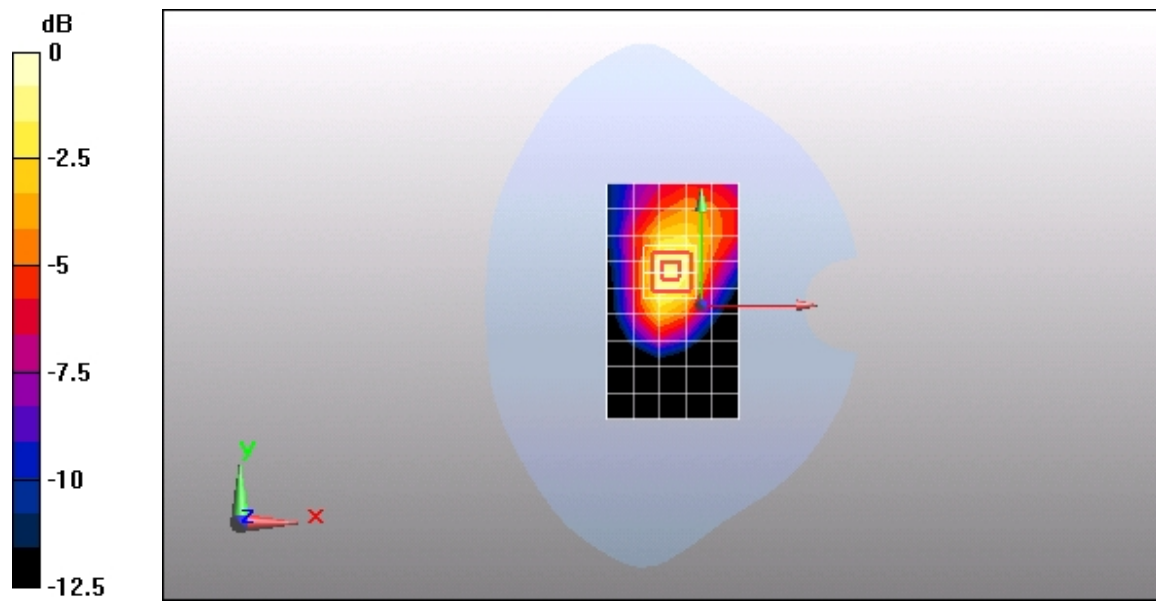
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.8 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.584 mW/g

Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 1.06mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM850 GPRS 2TS 128CH Rear side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.966$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.727 mW/g

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

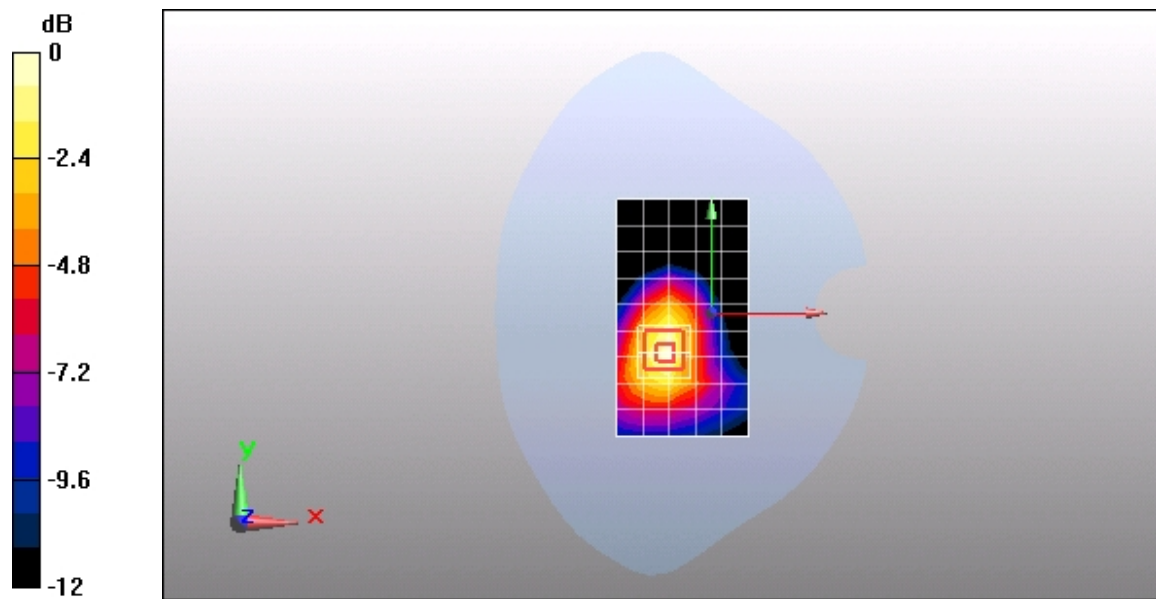
Reference Value = 20 V/m; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.426 mW/g

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

Maximum value of SAR (measured) = 0.756 mW/g



0 dB = 0.756mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 1TS 661CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.585 mW/g

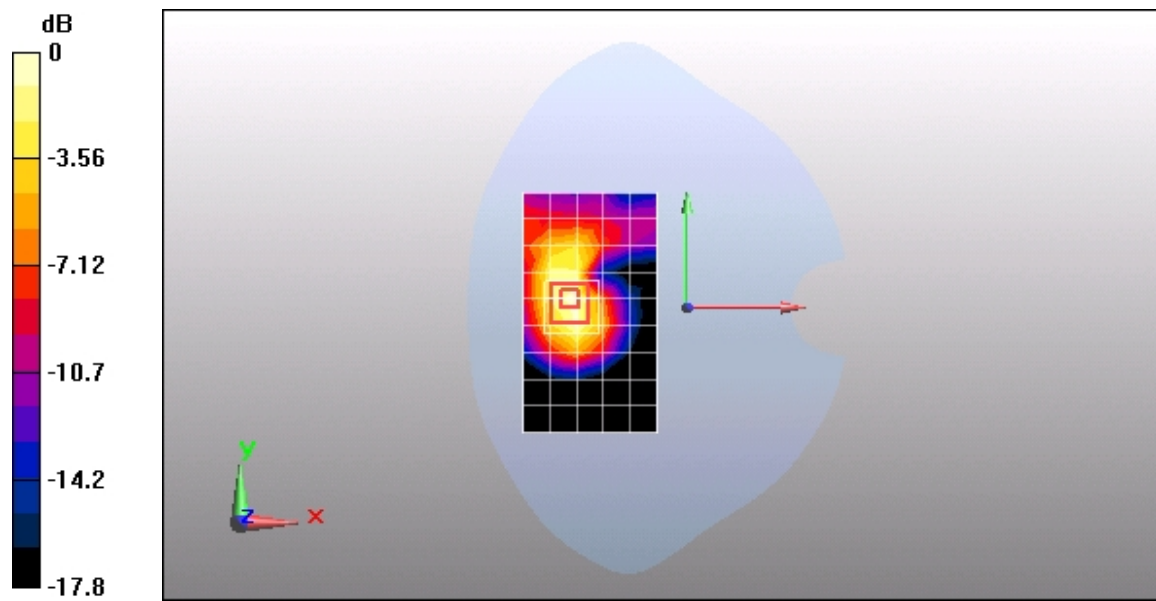
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.83 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.321 mW/g

Maximum value of SAR (measured) = 0.626 mW/g



0 dB = 0.626mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 2TS 661CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.564 mW/g

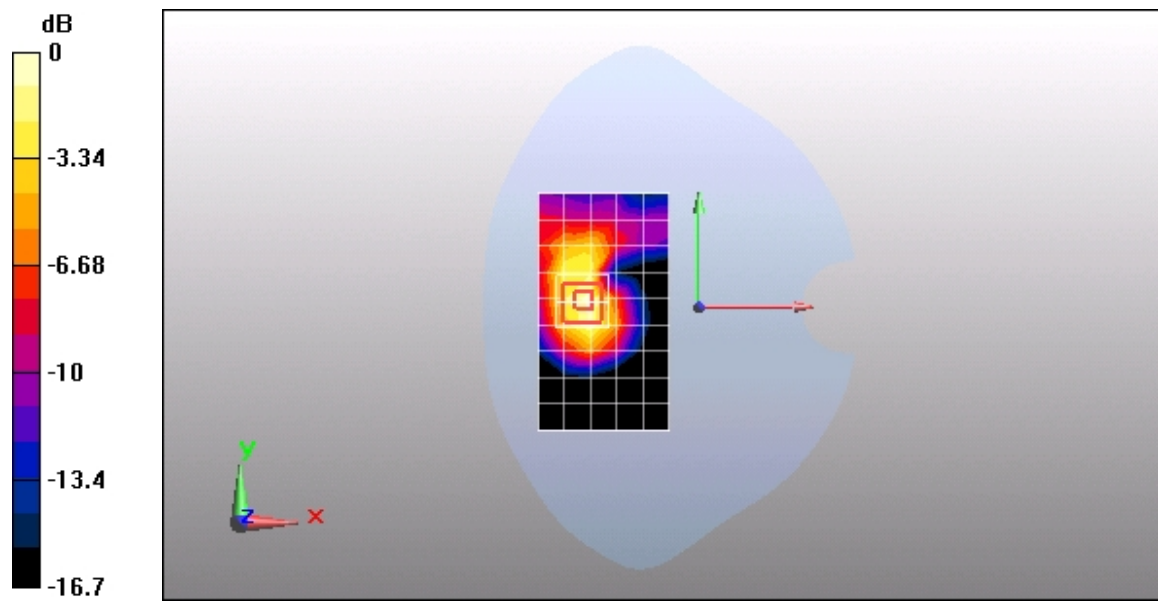
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.87 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.932 W/kg

SAR(1 g) = 0.563 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 0.625 mW/g



0 dB = 0.625mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 3TS 661CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.529 mW/g

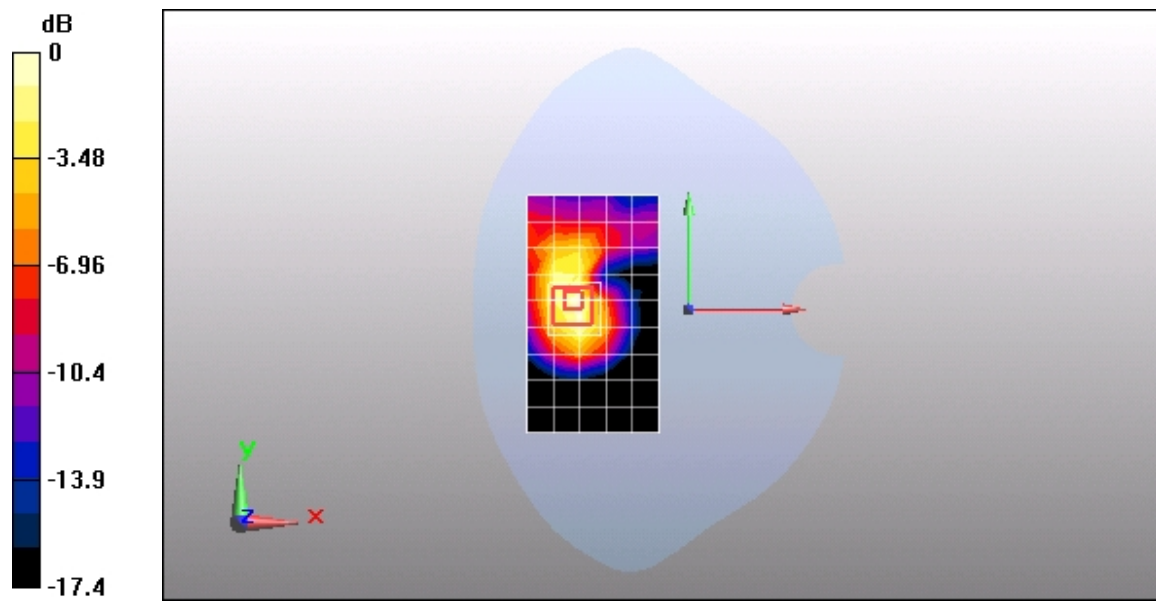
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.88 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.855 W/kg

SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.292 mW/g

Maximum value of SAR (measured) = 0.571 mW/g



0 dB = 0.571mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 4TS 661CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

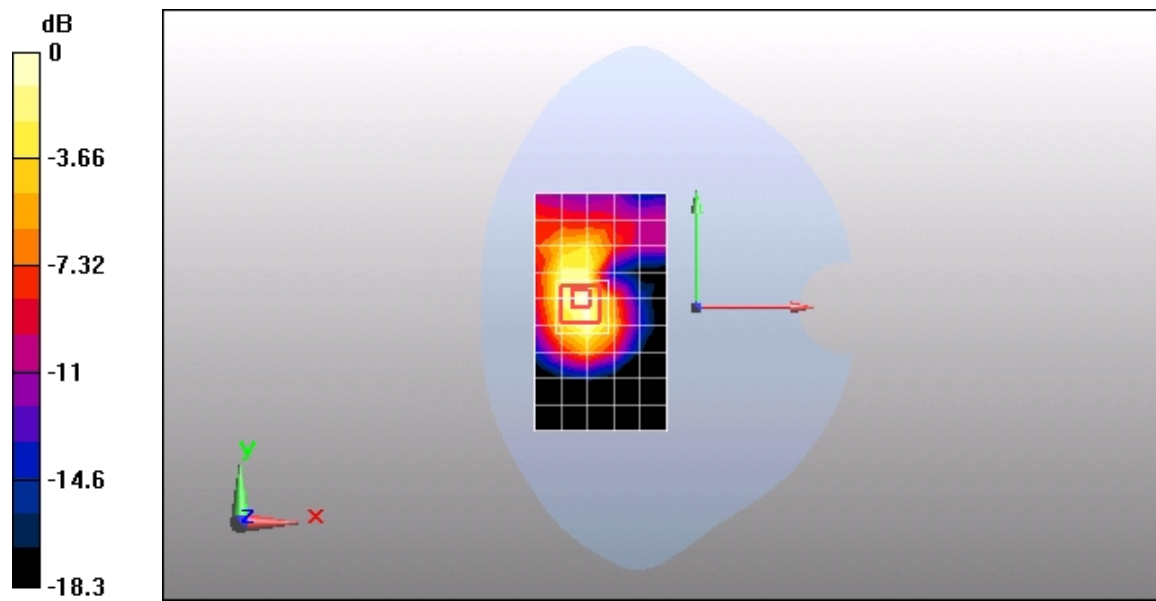
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.98 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.583 mW/g



0 dB = 0.583mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 1TS 661CH Rear side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.922 mW/g

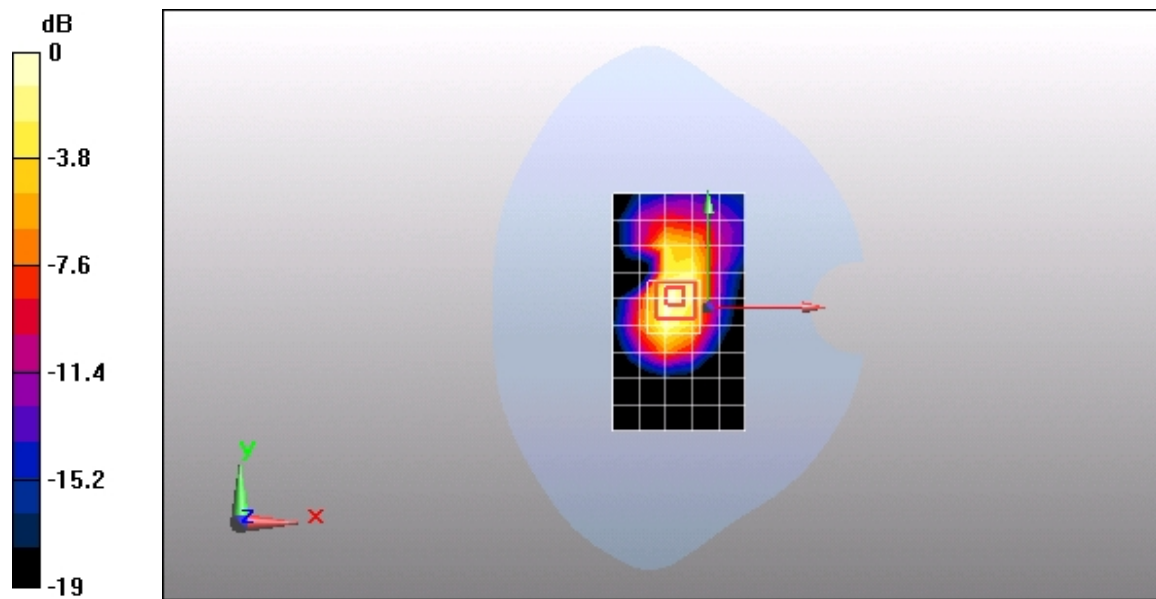
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.4 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 1.6 W/kg

SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.511 mW/g

Maximum value of SAR (measured) = 1.05 mW/g



0 dB = 1.05mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 1TS 661CH Left side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.170 mW/g

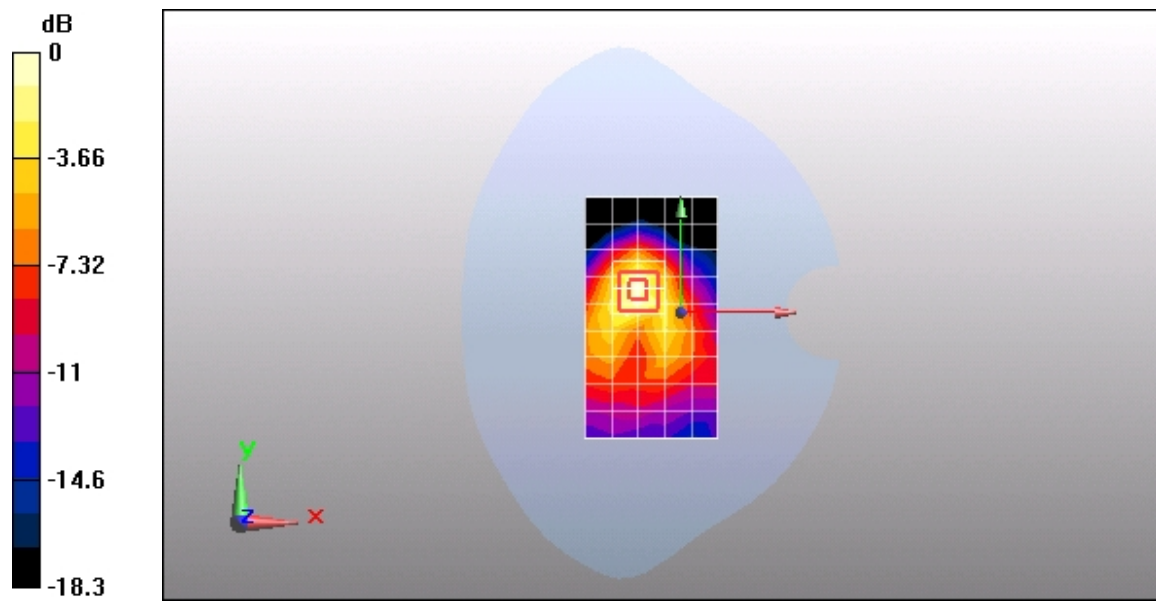
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.99 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.302 W/kg

SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.194 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 1TS 661CH Right side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.517 mW/g

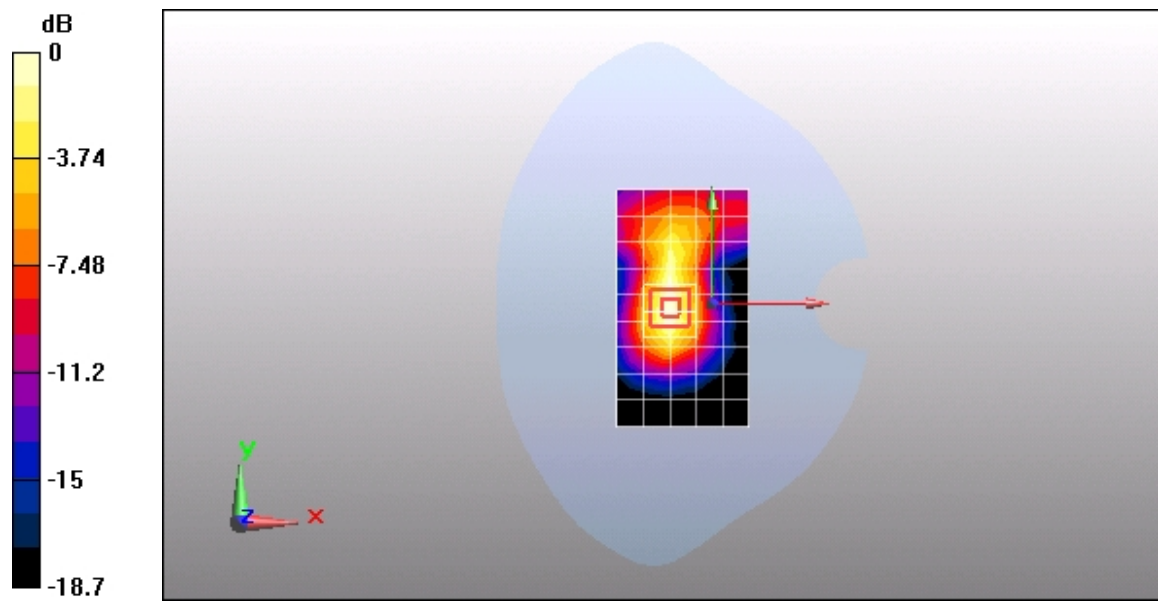
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.257 mW/g

Maximum value of SAR (measured) = 0.529 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 1TS 661CH Top side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.031 mW/g

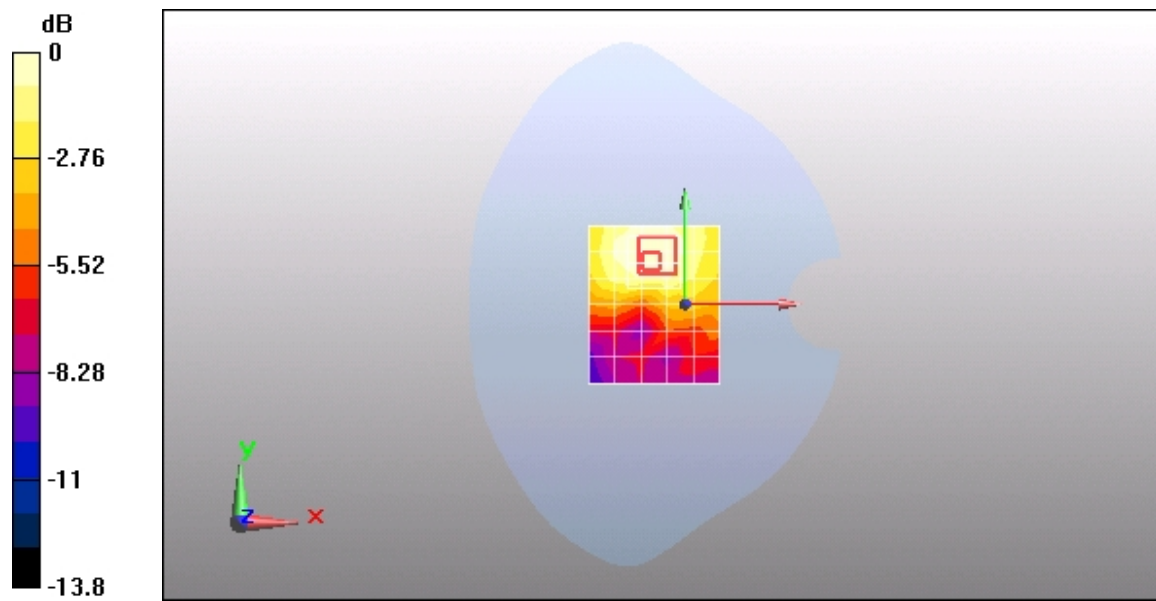
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.72 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.046 W/kg

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.032 mW/g



0 dB = 0.032mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 1TS 810CH Rear side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

Communication System: HW -GSM/GPRS/EDGE 1TS; Frequency: 1909.8 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.699 mW/g

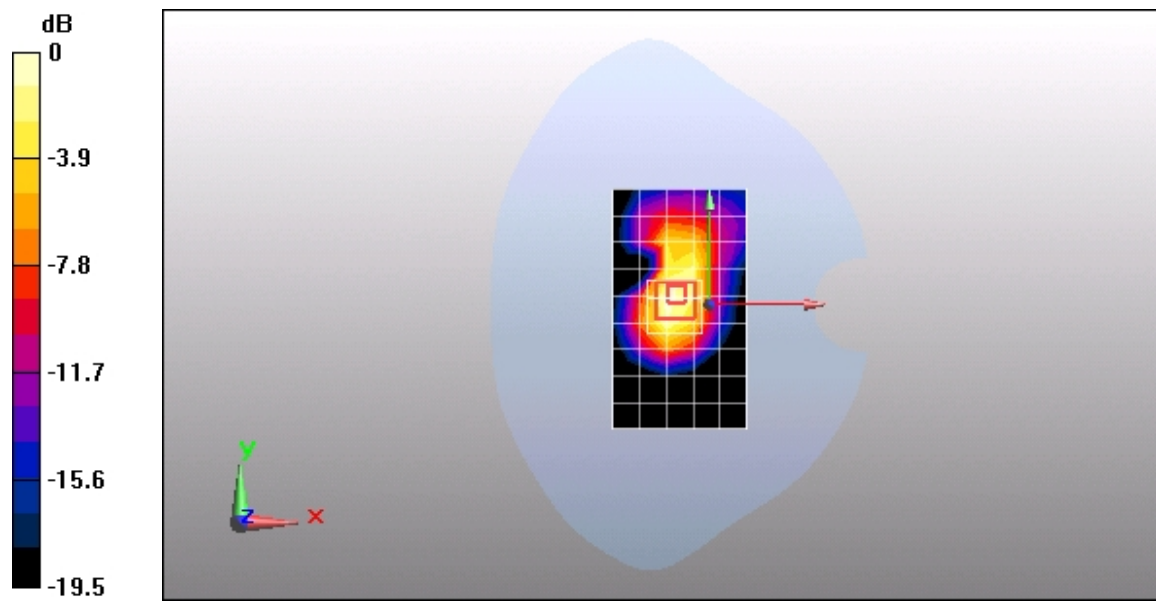
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22 V/m; Power Drift = 0.00209 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.399 mW/g

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



Test Laboratory: HUAWEI SAR Lab

E303s-3 GSM1900 GPRS 1TS 512CH Rear side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.934 mW/g

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

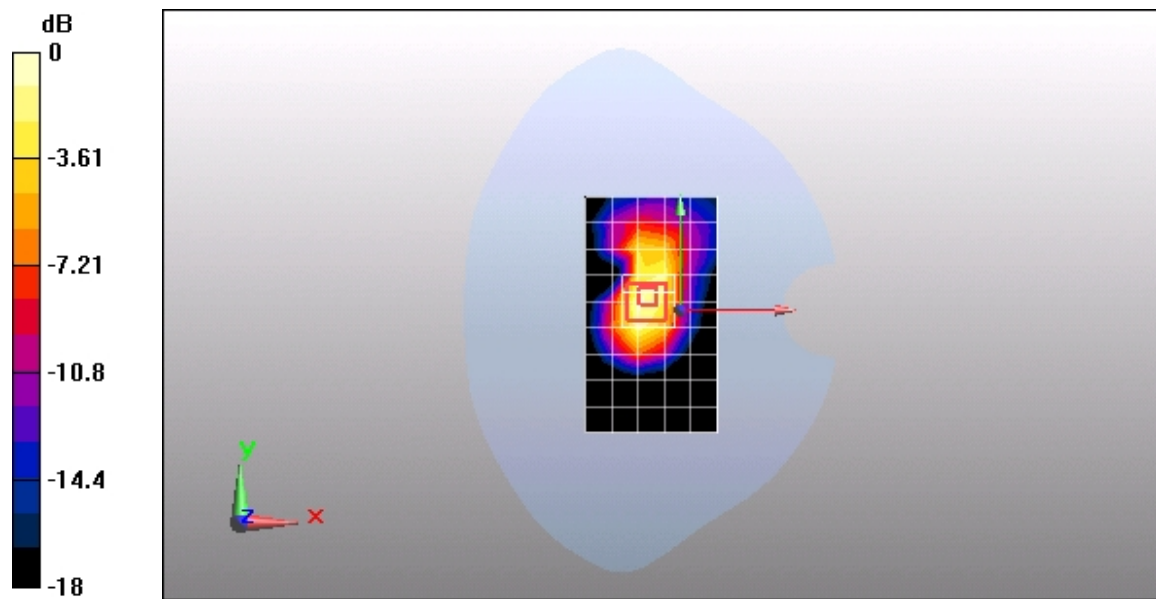
Reference Value = 25.5 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 1.66 W/kg

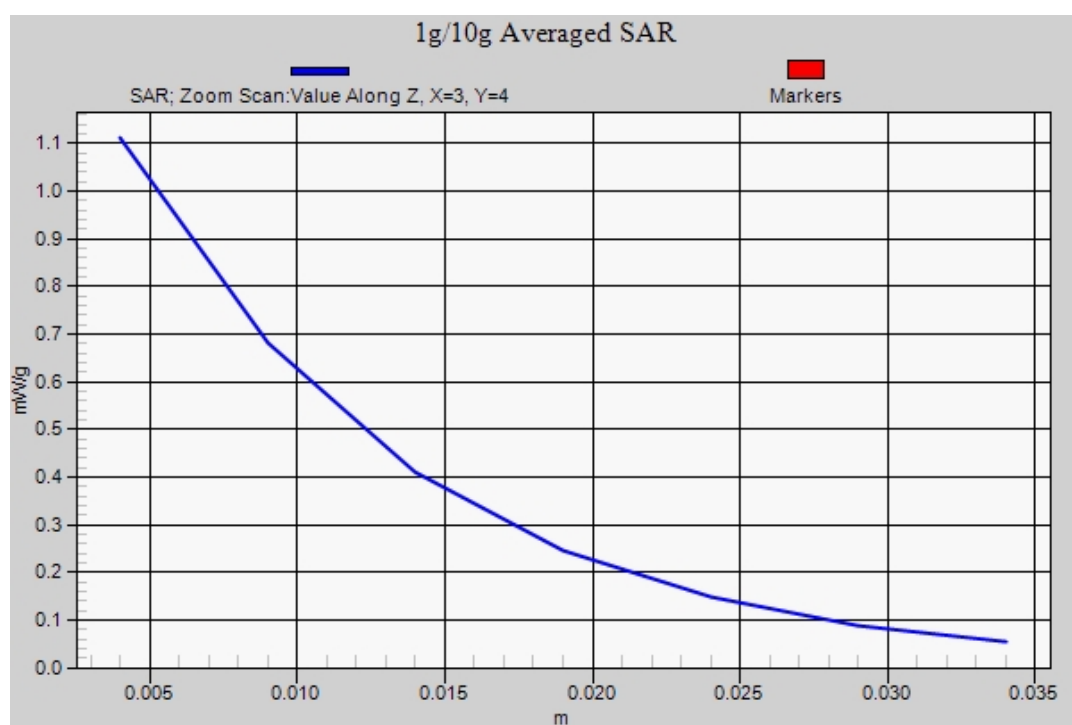
SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.538 mW/g

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

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.1mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 WCDMA850 4182CH Front side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.503 mW/g

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

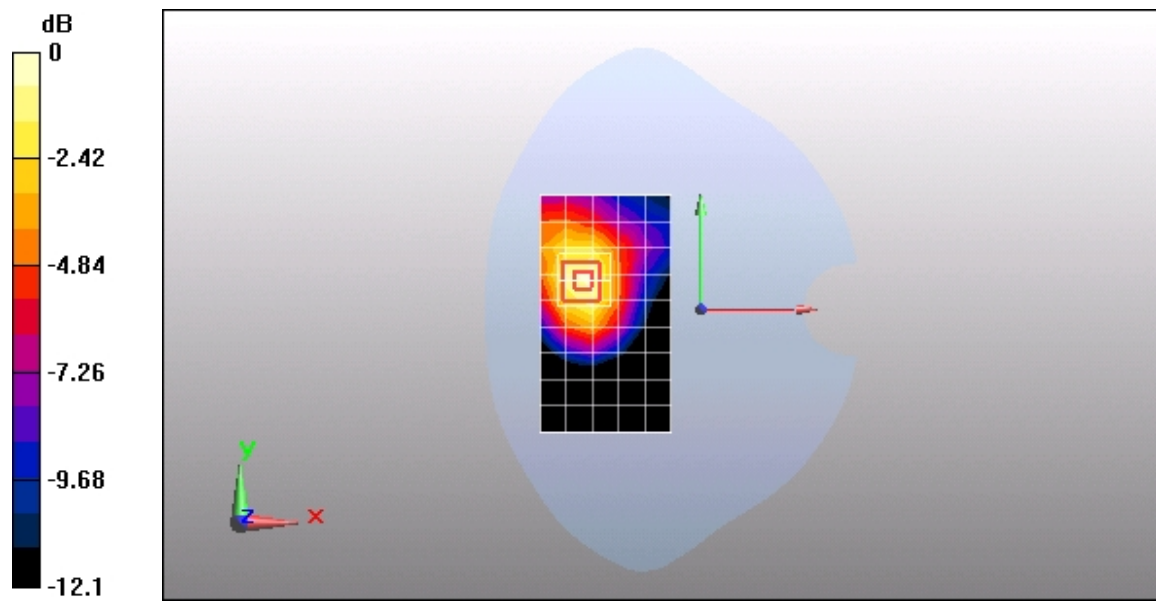
Reference Value = 4.26 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.765 W/kg

SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.307 mW/g

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

Maximum value of SAR (measured) = 0.535 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 WCDMA850 4182CH Rear side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.572 mW/g

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

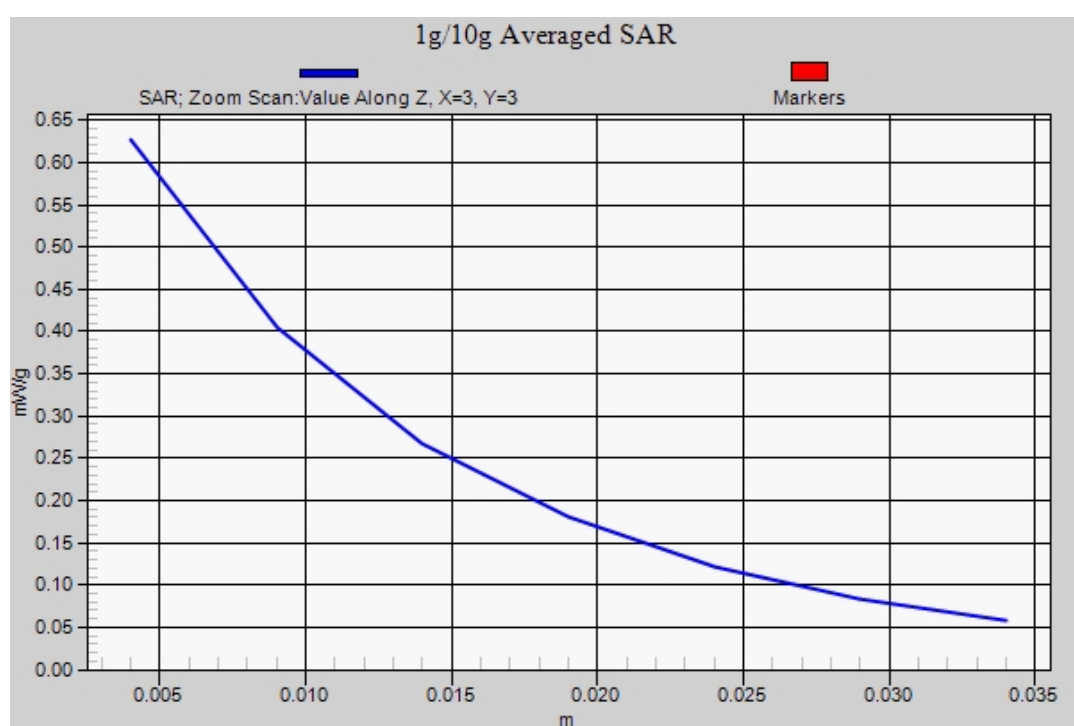
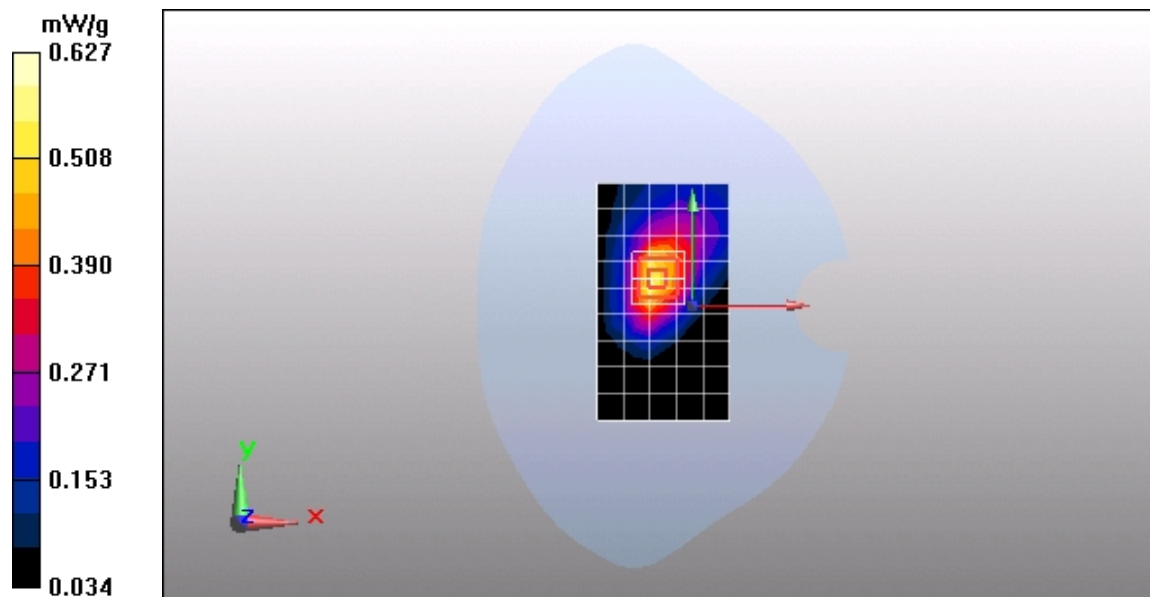
Reference Value = 20.6 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.348 mW/g

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

Maximum value of SAR (measured) = 0.627 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 WCDMA850 4182CH Left side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.234 mW/g

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

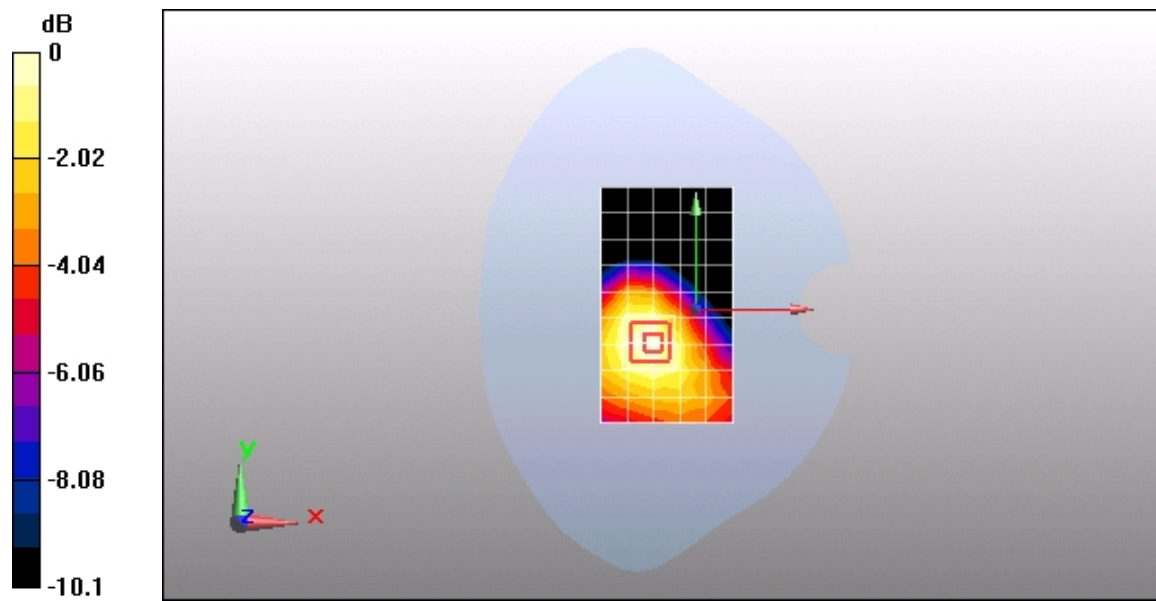
Reference Value = 12 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.151 mW/g

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

Maximum value of SAR (measured) = 0.237 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 WCDMA850 4182CH Right side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

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

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

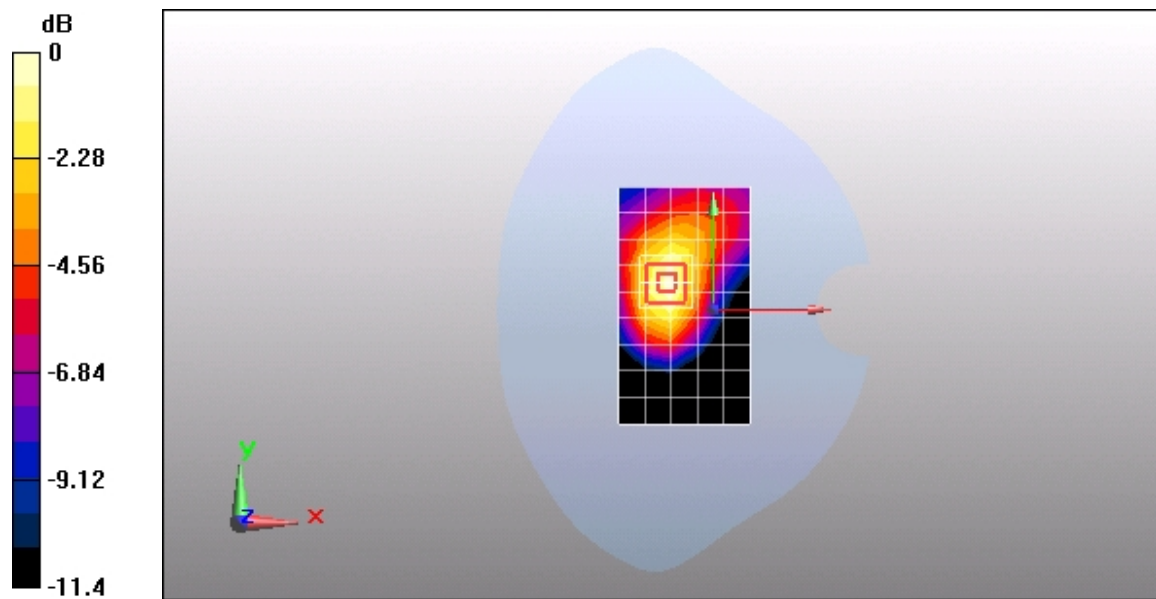
Reference Value = 15.8 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.236 mW/g

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

Maximum value of SAR (measured) = 0.406 mW/g



0 dB = 0.406mW/g

Test Laboratory: HUAWEI SAR Lab

E303s-3 WCDMA850 4182CH Top side 5mm

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.018 mW/g

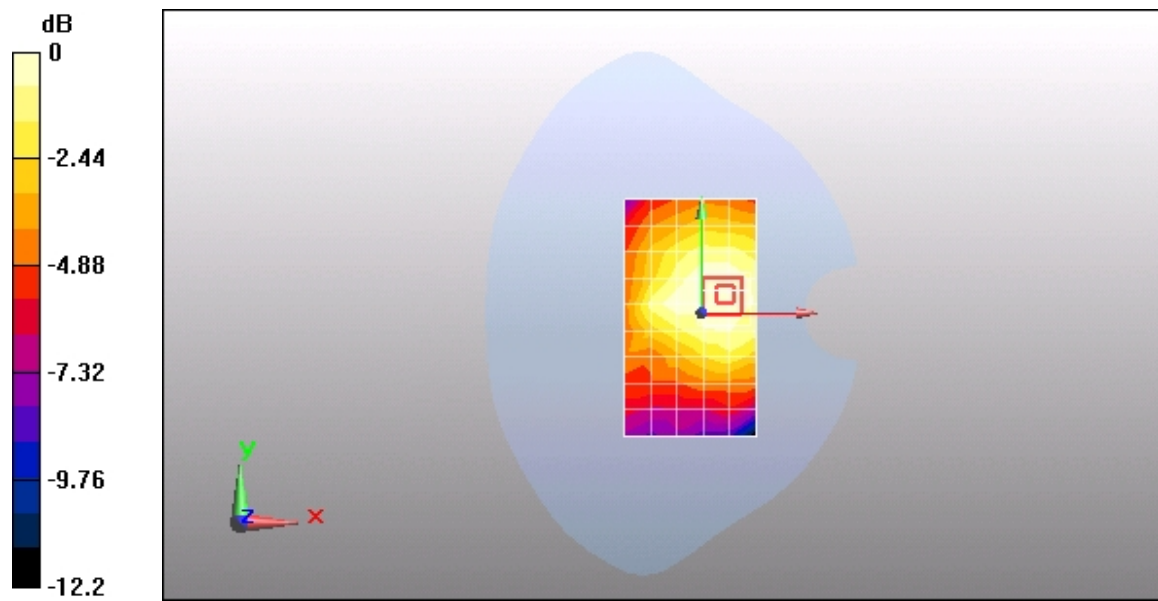
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.25 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.023 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.013 mW/g

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



Test Laboratory: HUAWEI SAR Lab

E303s-3 WCDMA850 4182CH Rear side 5mm with HSDPA

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.523 mW/g

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

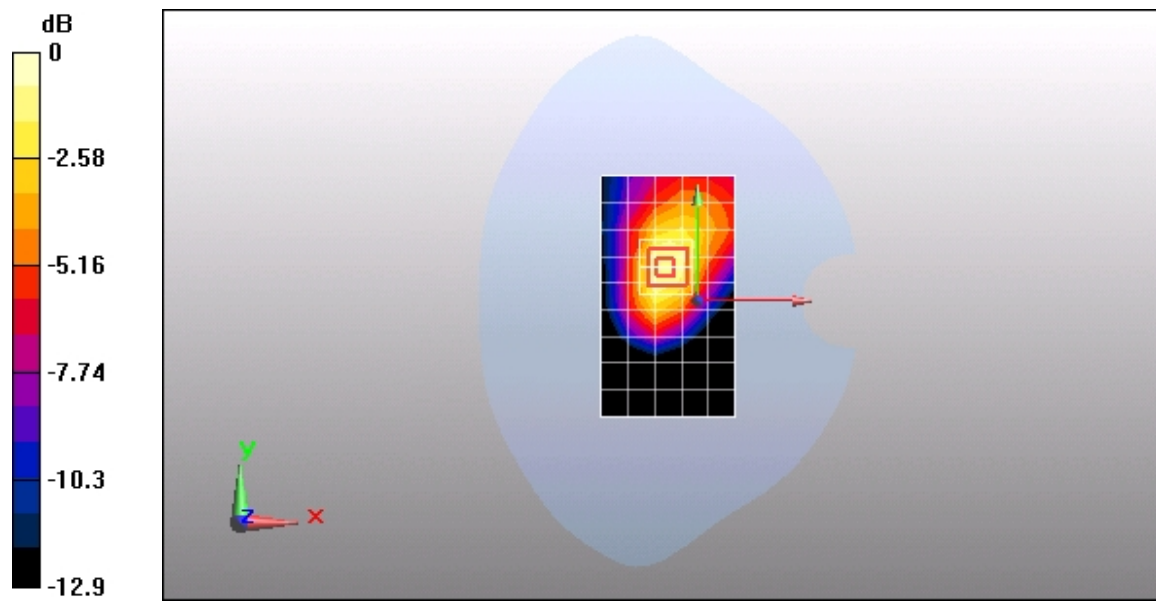
Reference Value = 19.9 V/m; Power Drift = -0.00514 dB

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.346 mW/g

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

Maximum value of SAR (measured) = 0.628 mW/g



Test Laboratory: HUAWEI SAR Lab

E303s-3 WCDMA850 4182CH Rear side 5mm with HSUPA

DUT: E303s-3; Type: HSPA USB Stick; Serial: A7W2A11192600091

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 12/13/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.474 mW/g

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

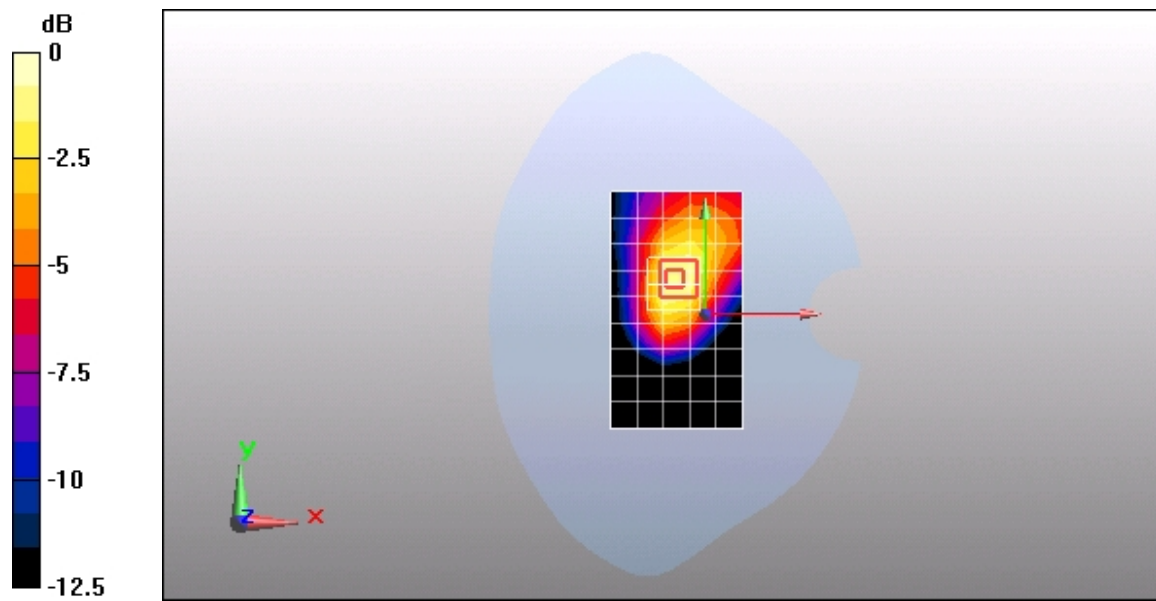
Reference Value = 19.6 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.841 W/kg

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.326 mW/g

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

Maximum value of SAR (measured) = 0.581 mW/g



0 dB = 0.581mW/g