



Appendix B. SAR Measurement Plots

CDMA AWS Band (1700MHz)

CDMA PCS Band (1900MHz)

LTE AWS Band (1700MHz)

Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1700 450CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.837 mW/g

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

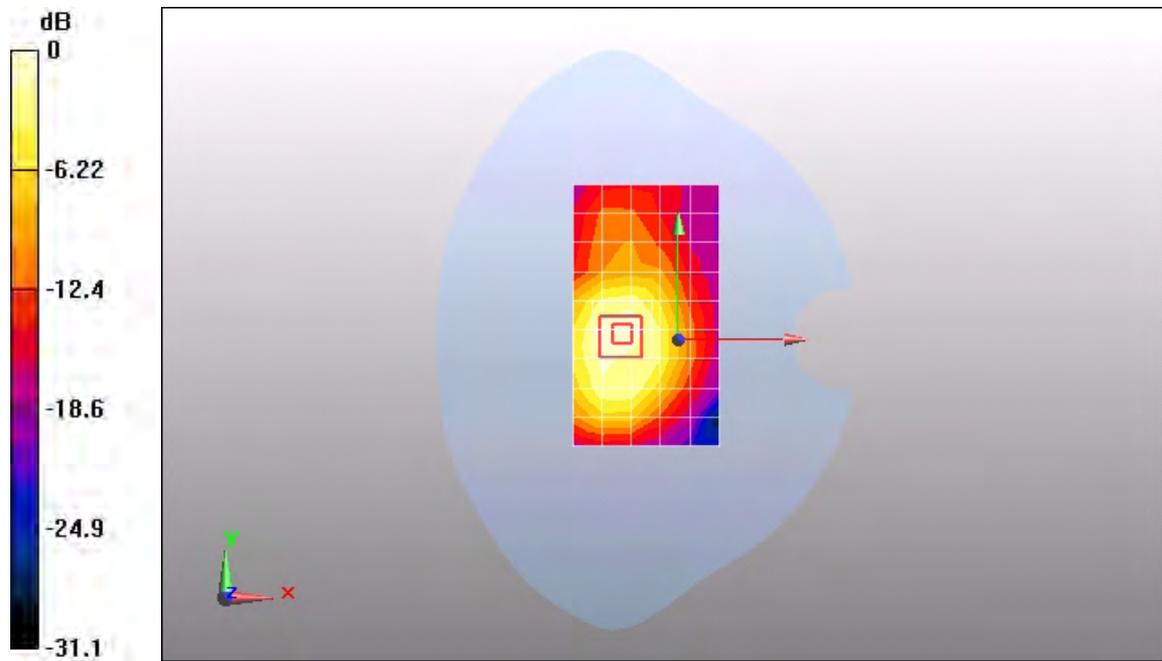
Reference Value = 21 V/m; Power Drift = -0.00249 dB

Peak SAR (extrapolated) = 1.23 W/kg

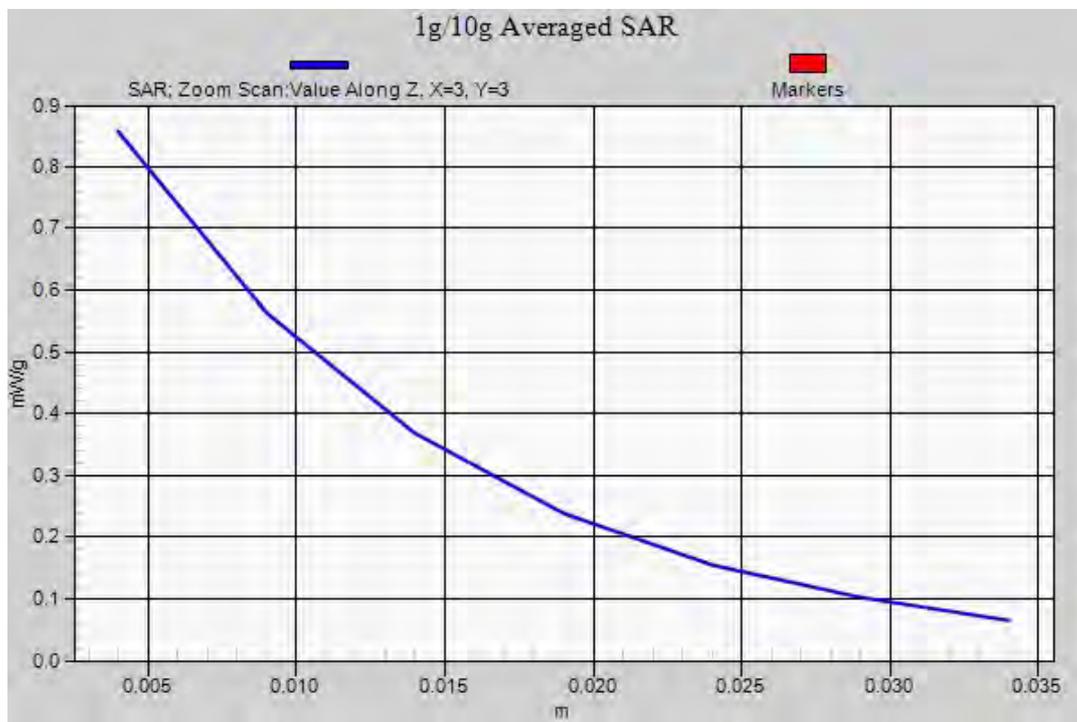
SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.476 mW/g

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

Maximum value of SAR (measured) = 0.857 mW/g



0 dB = 0.857mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1700 450CH Back side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.804 mW/g

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

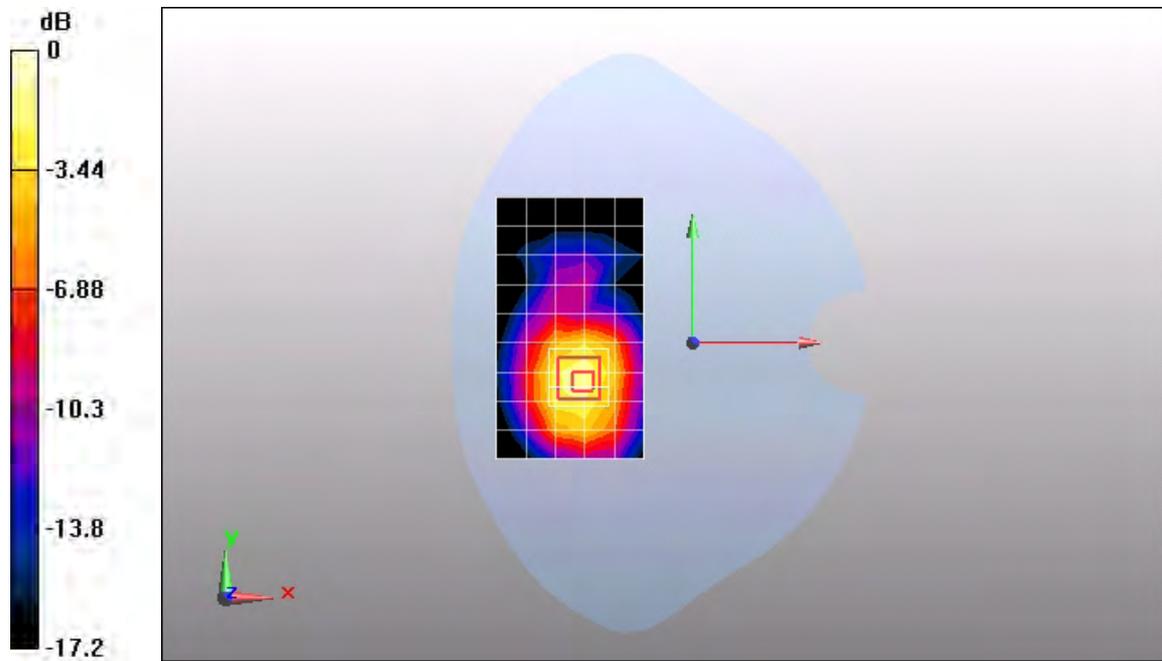
Reference Value = 4.14 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.467 mW/g

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

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



0 dB = 1.05mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1700 450CH Left side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.661 mW/g

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

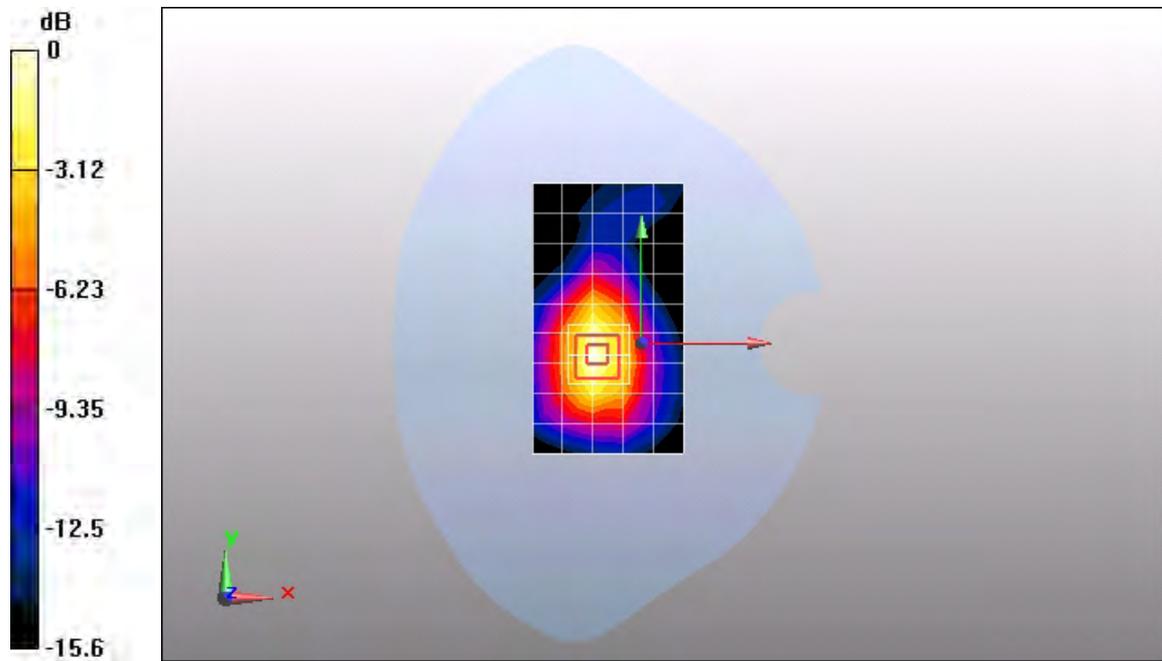
Reference Value = 19.5 V/m; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 1.05 W/kg

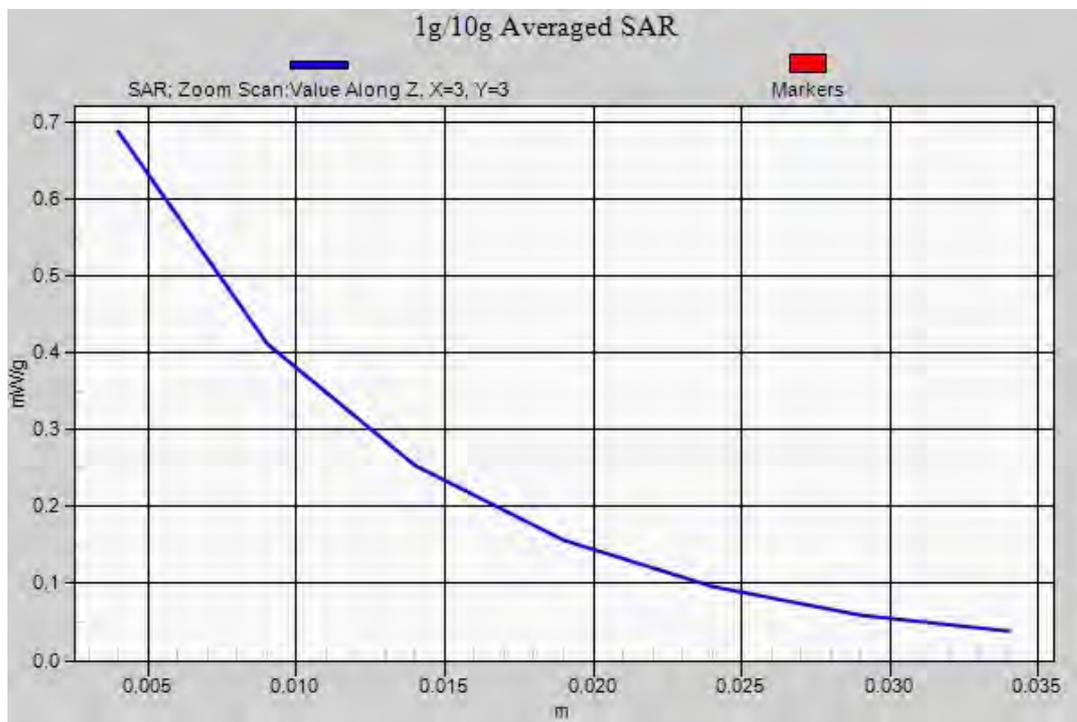
SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.342 mW/g

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

Maximum value of SAR (measured) = 0.689 mW/g



0 dB = 0.689mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1700 850CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1752.5 MHz

Medium parameters used (interpolated): $f = 1752.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 1.03 mW/g

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

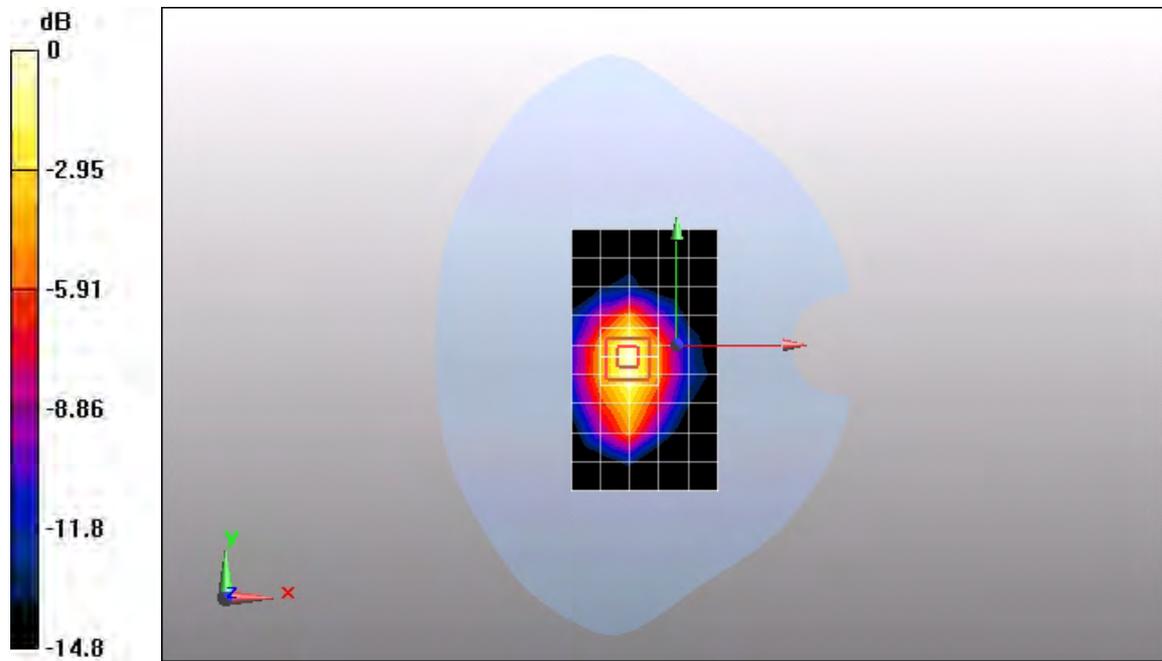
Reference Value = 23.1 V/m; Power Drift = 0.108 dB

Peak SAR (extrapolated) = 1.73 W/kg

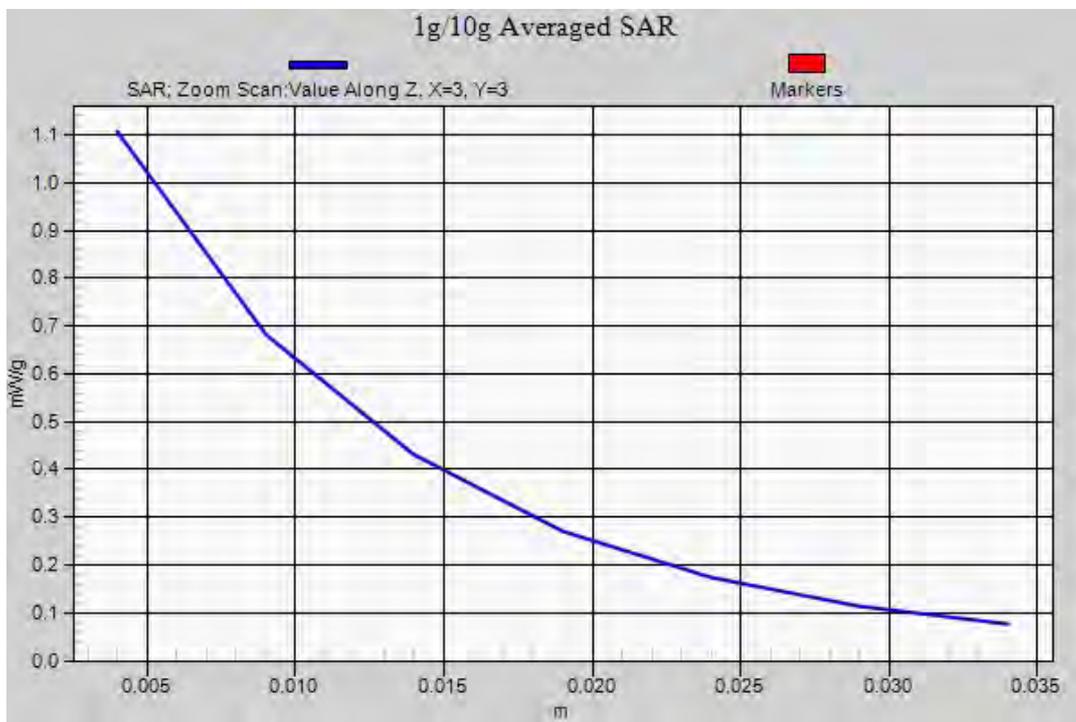
SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.556 mW/g

[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

E397u-53 CDMA1700 450CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 1.09 mW/g

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

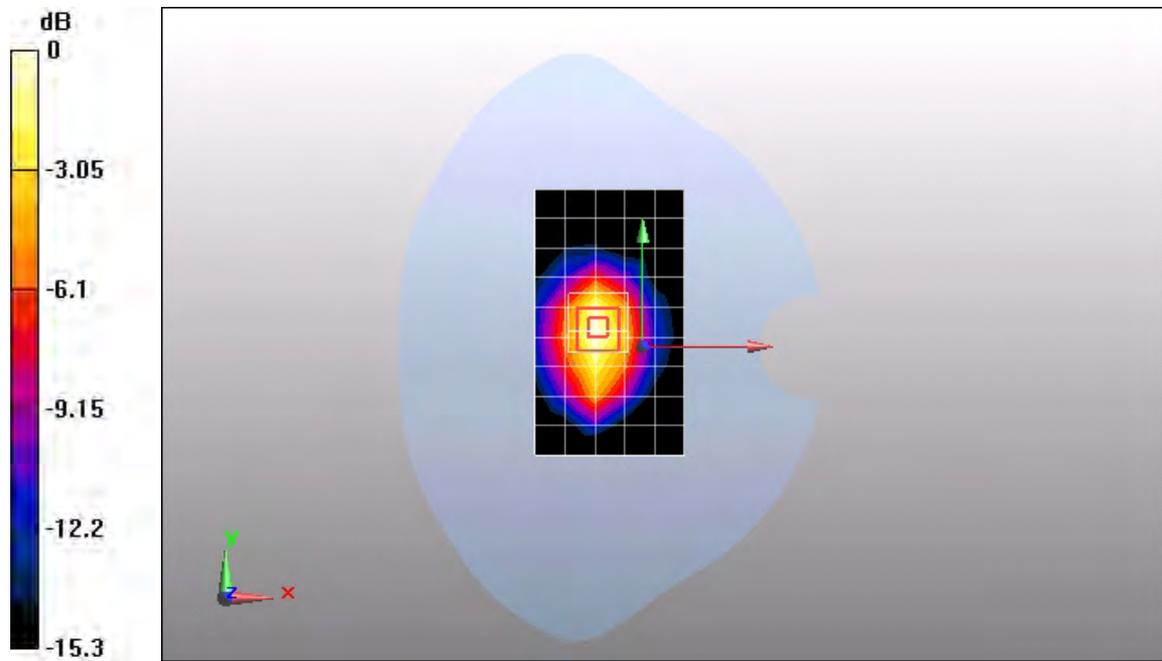
Reference Value = 24.5 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 2.76 W/kg

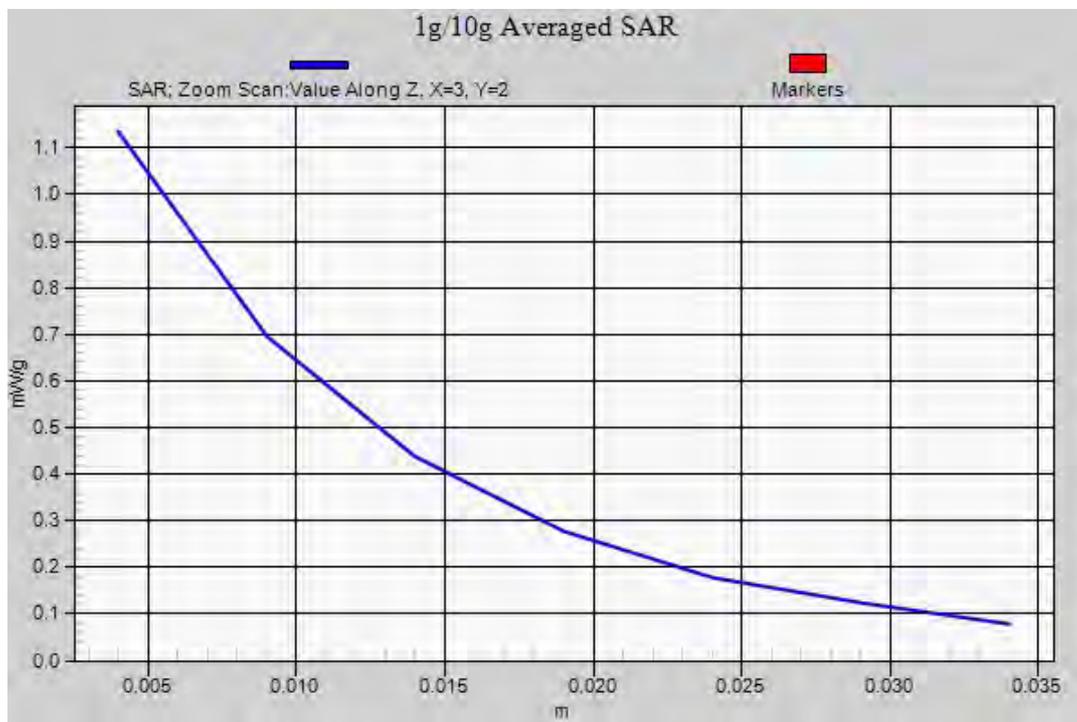
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.579 mW/g

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

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



0 dB = 1.13mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1700 25CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1711.25 MHz

Medium parameters used (interpolated): $f = 1711.25$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 1.07 mW/g

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

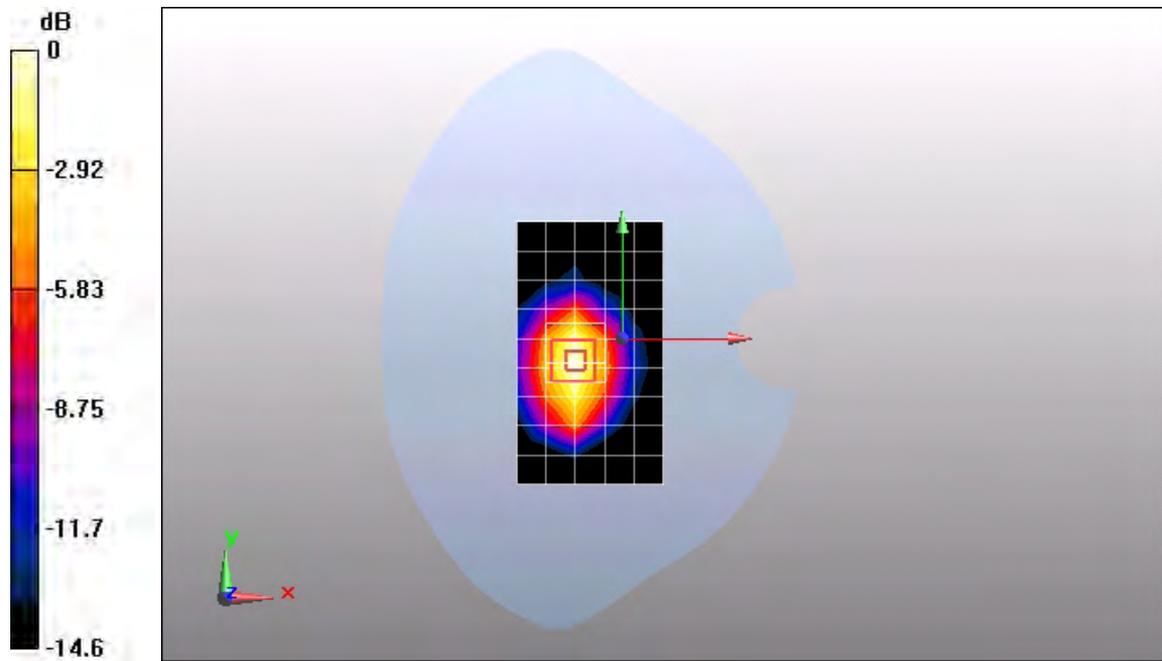
Reference Value = 22 V/m; Power Drift = 0.157 dB

Peak SAR (extrapolated) = 1.62 W/kg

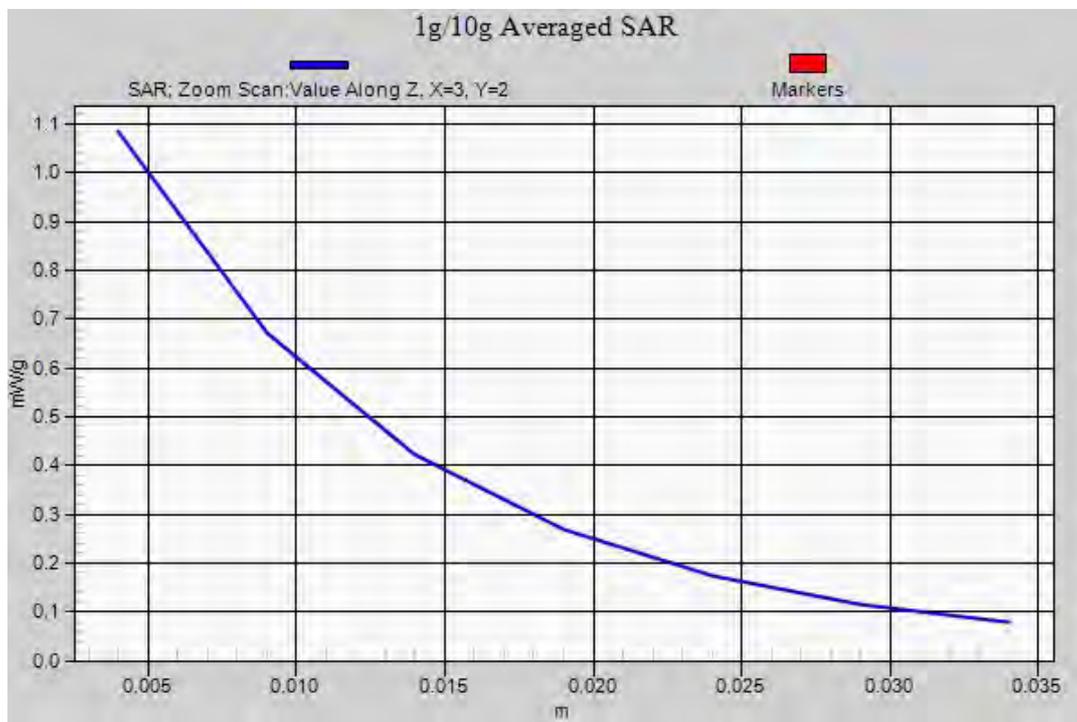
SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.560 mW/g

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

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



0 dB = 1.08mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1700 450CH Top side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.056 mW/g

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

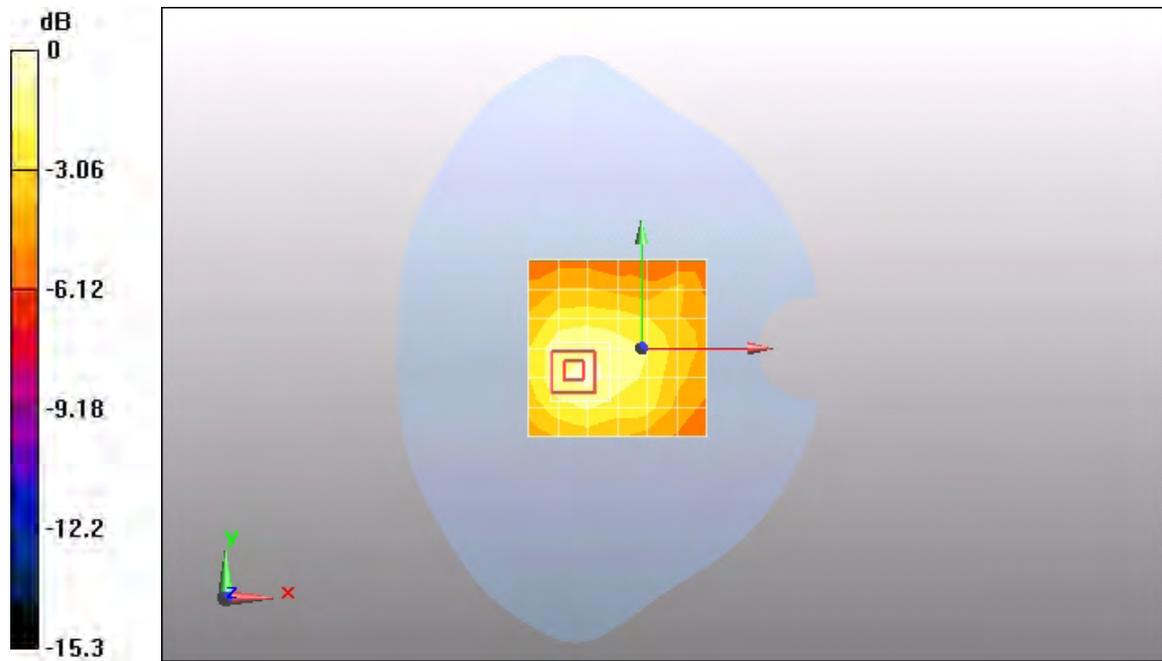
Reference Value = 5.4 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.114 W/kg

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.036 mW/g

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

Maximum value of SAR (measured) = 0.065 mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1700 450CH Right side 5mm with Rev.A

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 1.12 mW/g

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

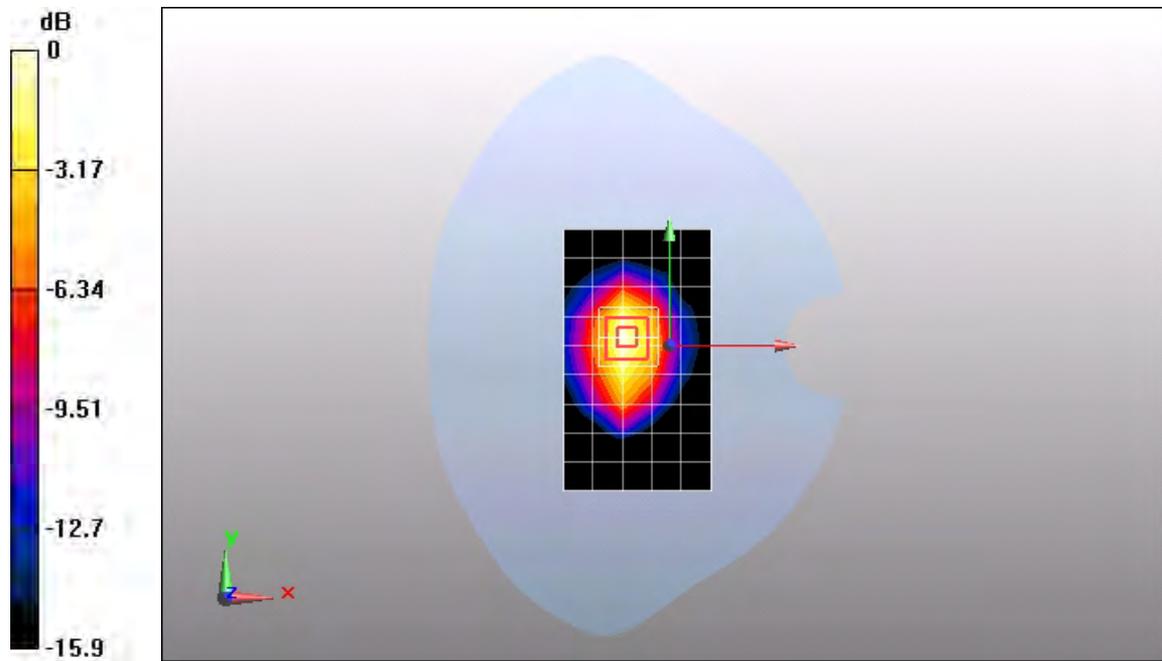
Reference Value = 25.8 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 2.17 W/kg

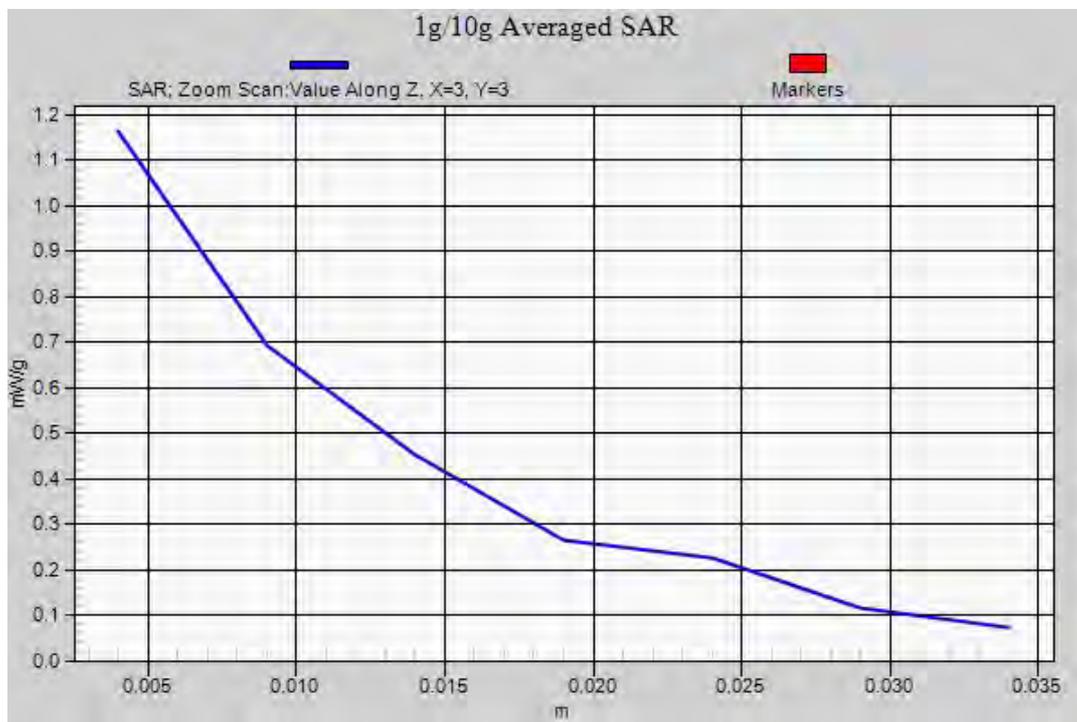
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.588 mW/g

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

Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1700 450CH Right side 5mm with 1xRTT

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.915 mW/g

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

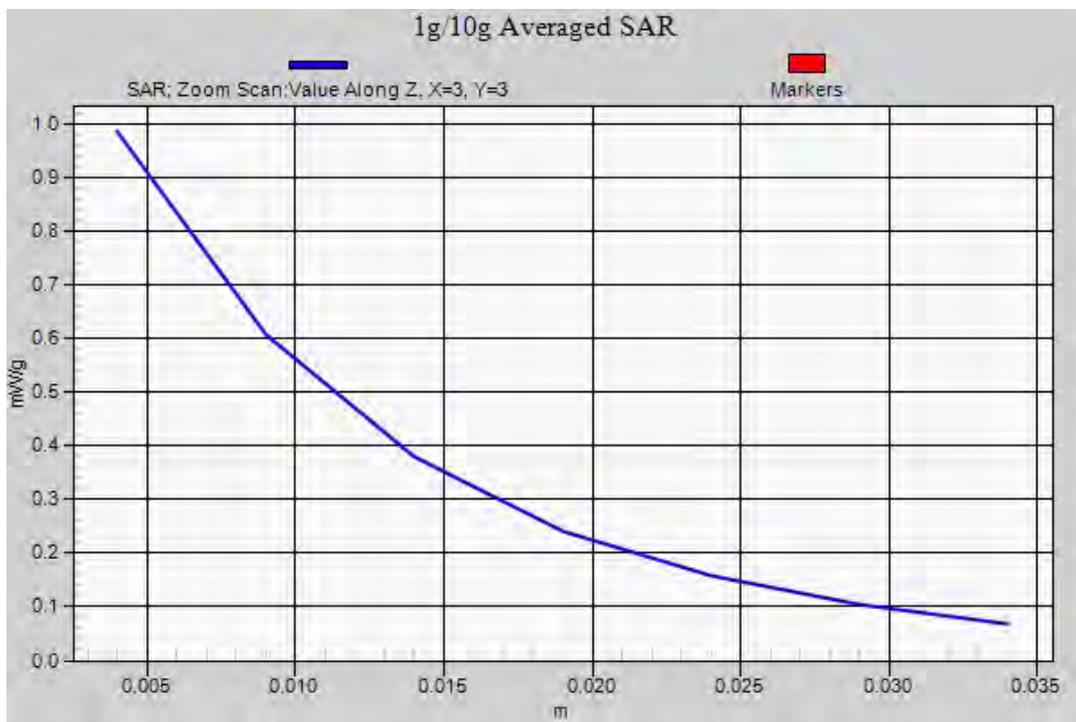
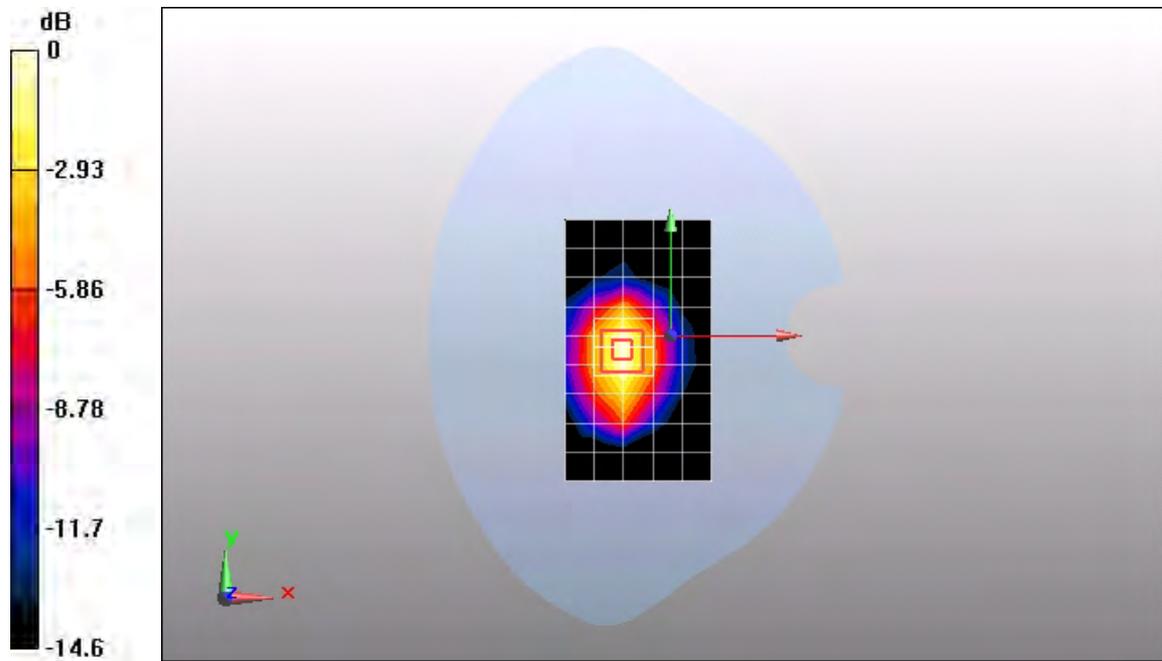
Reference Value = 21.8 V/m; Power Drift = 0.186 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.500 mW/g

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

Maximum value of SAR (measured) = 0.985 mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 1175CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1908.75 MHz

Medium parameters used: $f = 1909$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, 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

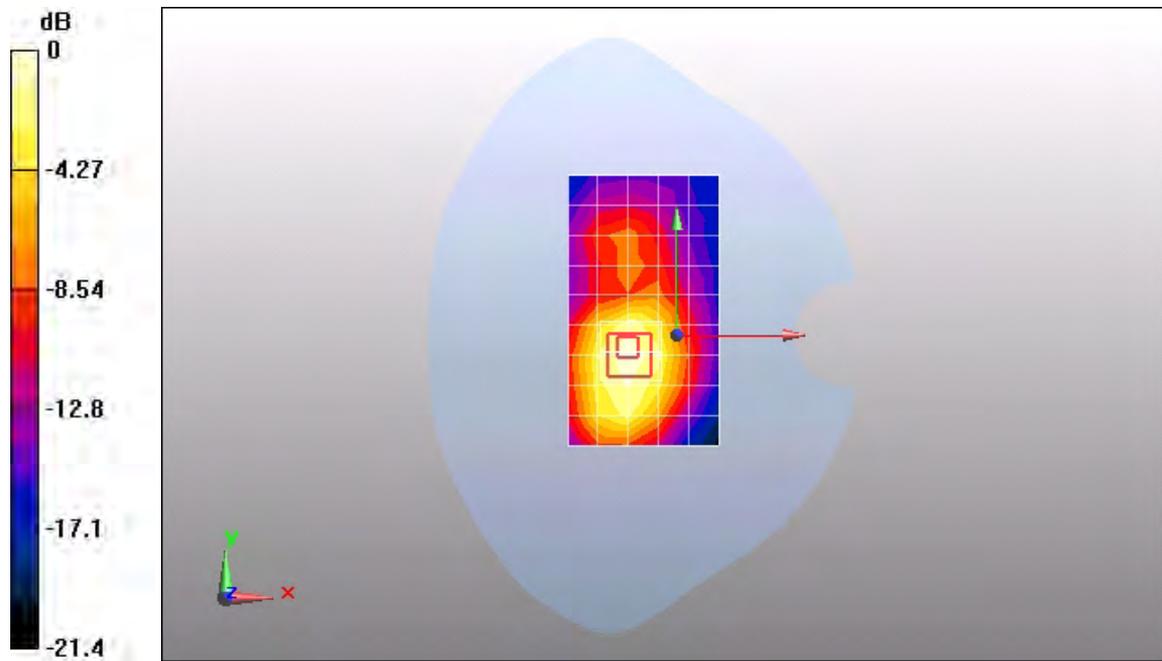
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.4 V/m; Power Drift = 0.105 dB

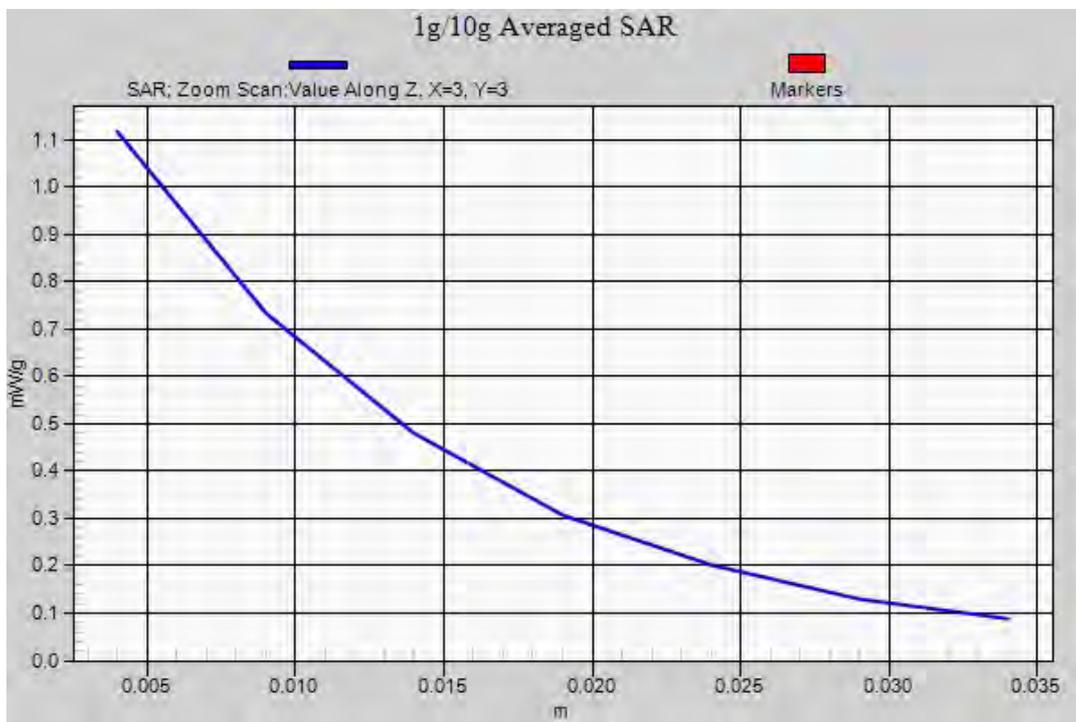
Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.611 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 600CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, 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) = 1.09 mW/g

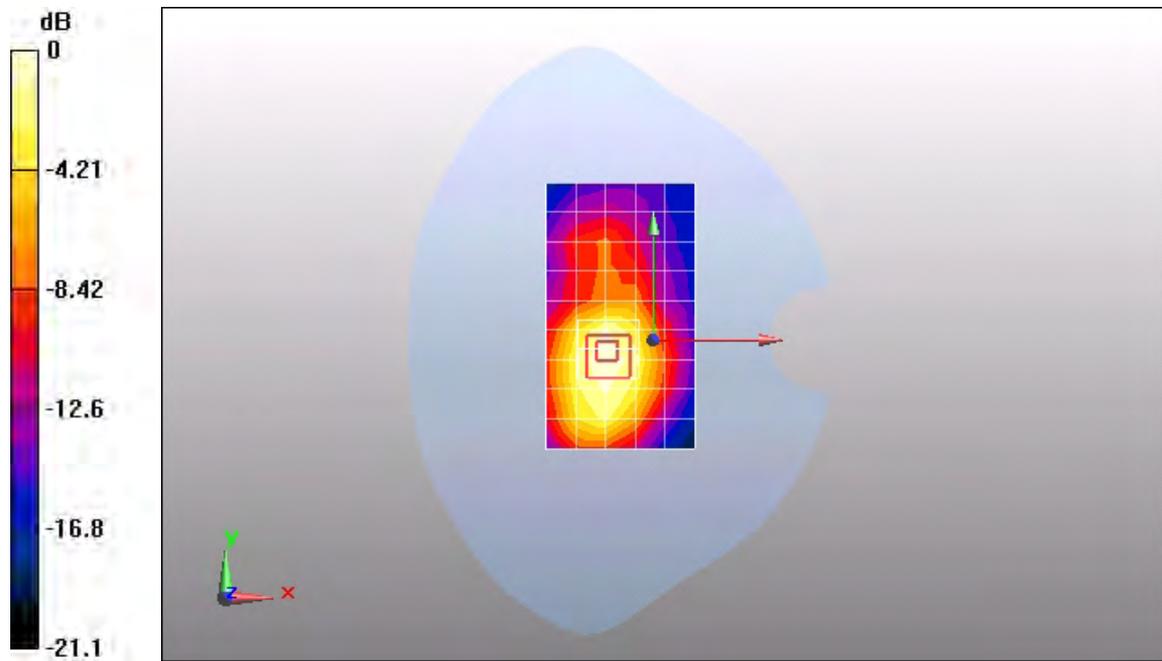
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.1 V/m; Power Drift = -0.019 dB

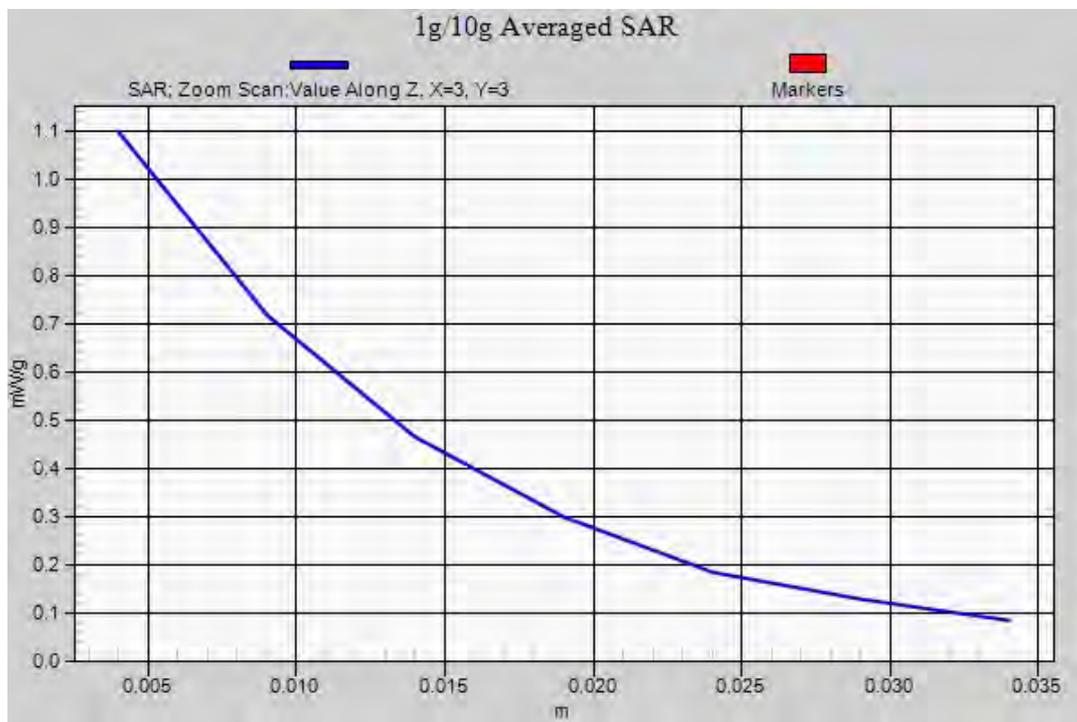
Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.999 mW/g; SAR(10 g) = 0.596 mW/g

Maximum value of SAR (measured) = 1.1 mW/g



0 dB = 1.1mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 25CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1851.25 MHz

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, 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) = 0.832 mW/g

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

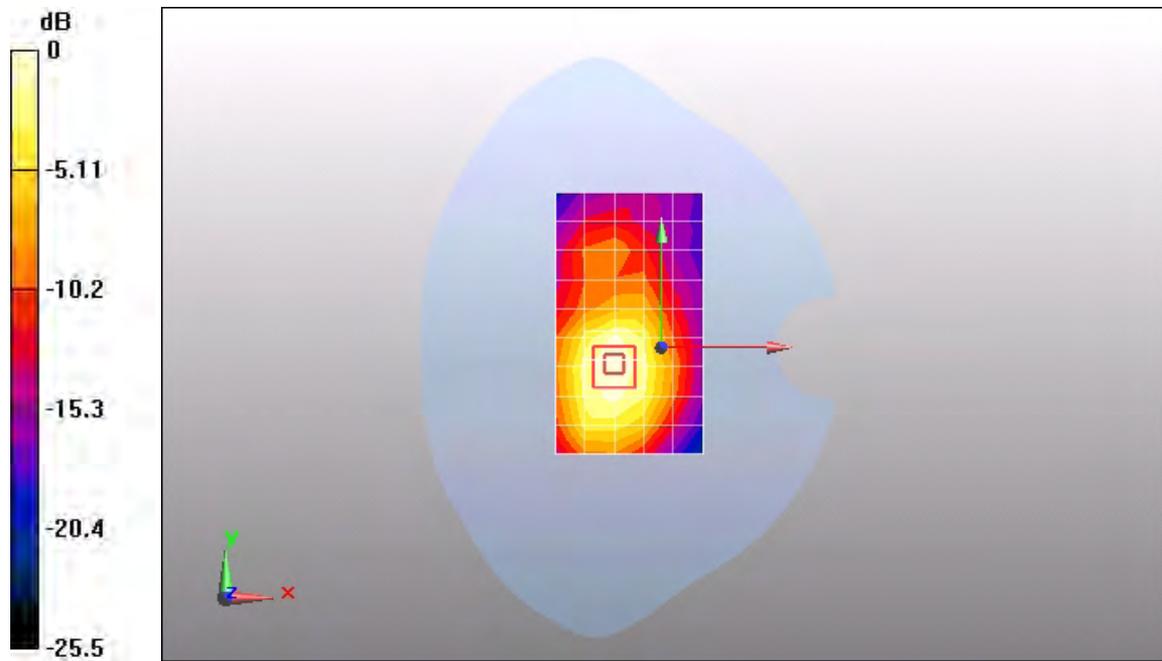
Reference Value = 21.6 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.469 mW/g

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

Maximum value of SAR (measured) = 0.830 mW/g



0 dB = 0.830mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 600CH Back side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, 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) = 0.690 mW/g

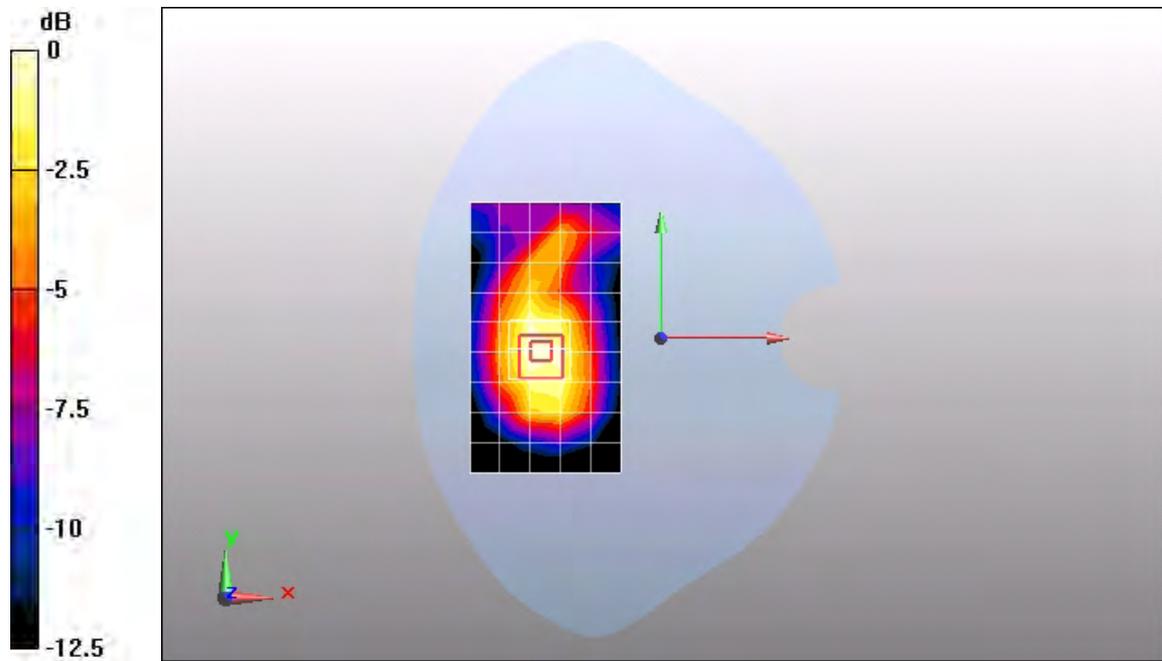
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.71 V/m; Power Drift = 0.197 dB

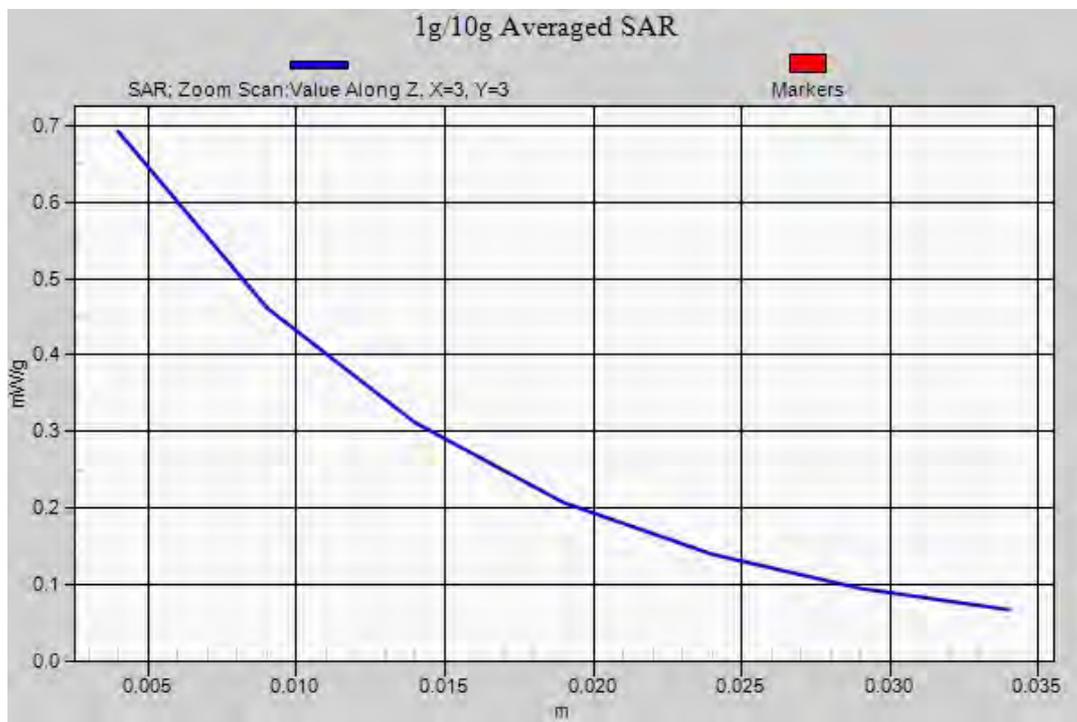
Peak SAR (extrapolated) = 0.984 W/kg

SAR(1 g) = 0.653 mW/g; SAR(10 g) = 0.416 mW/g

Maximum value of SAR (measured) = 0.692 mW/g



0 dB = 0.692mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 600CH Left side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, 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) = 0.602 mW/g

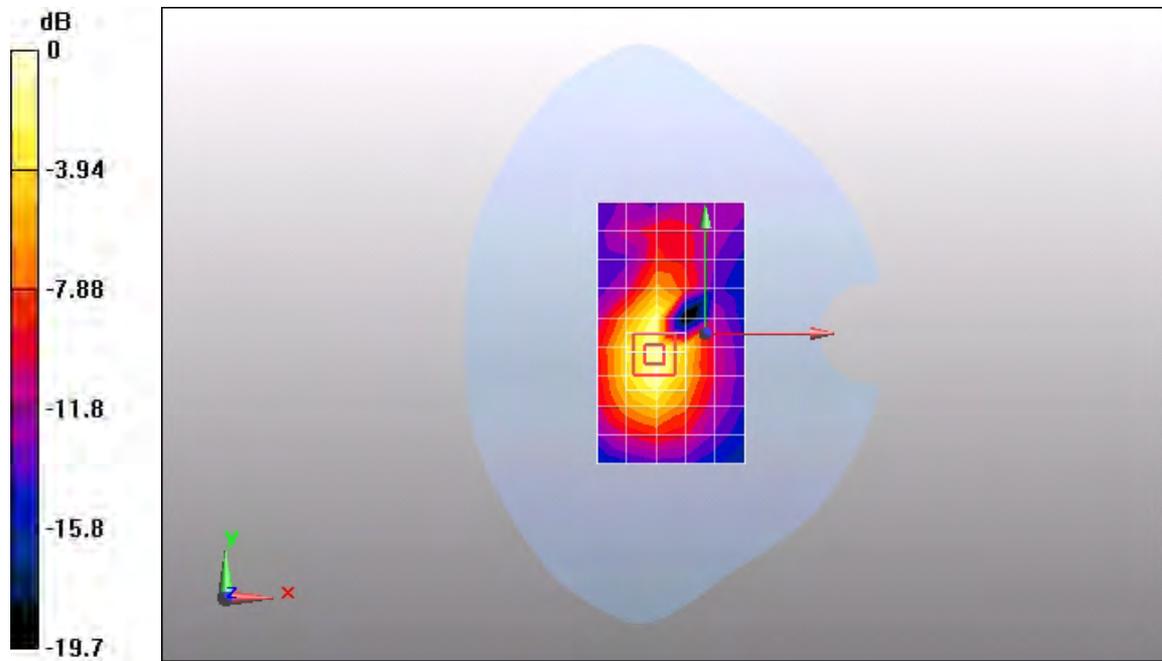
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = 0.00549 dB

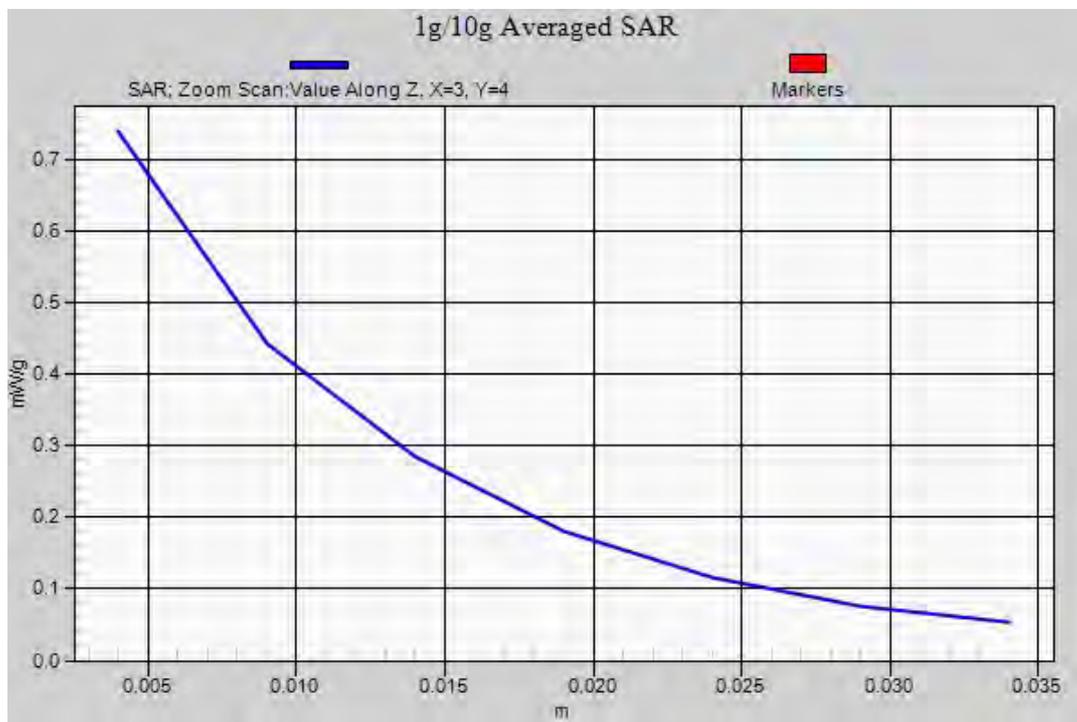
Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.370 mW/g

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



0 dB = 0.739mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 600CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, 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) = 0.805 mW/g

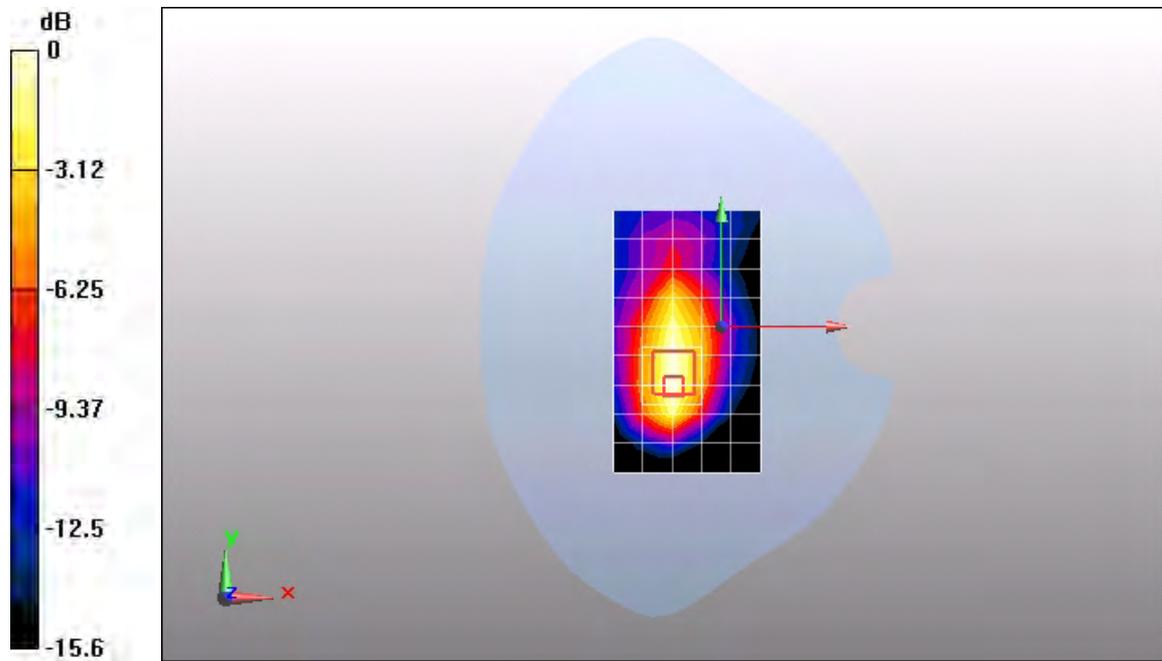
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = 0.147 dB

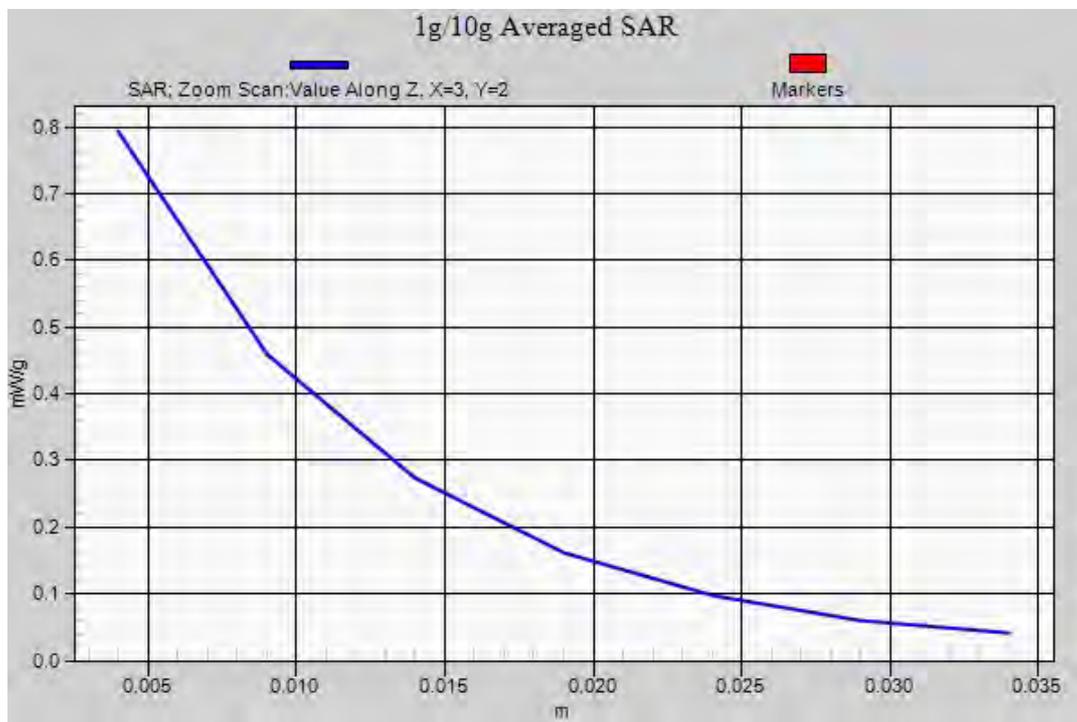
Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.398 mW/g

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



0 dB = 0.792mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 600CH Top side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

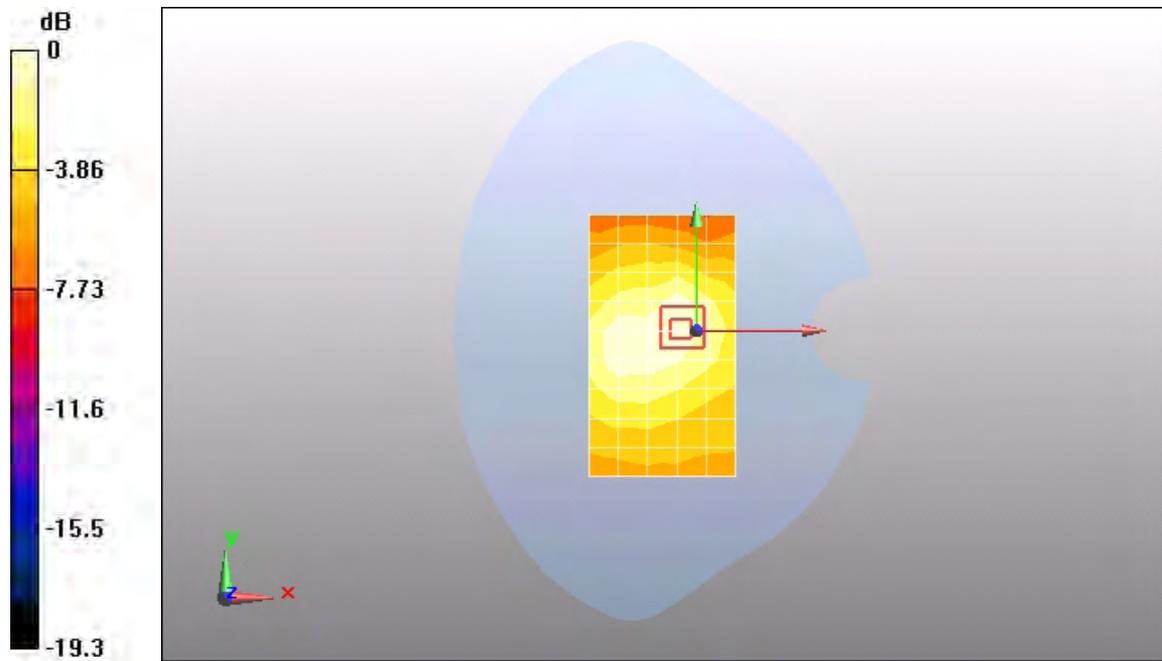
Maximum value of SAR (measured) = 0.065 mW/g

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

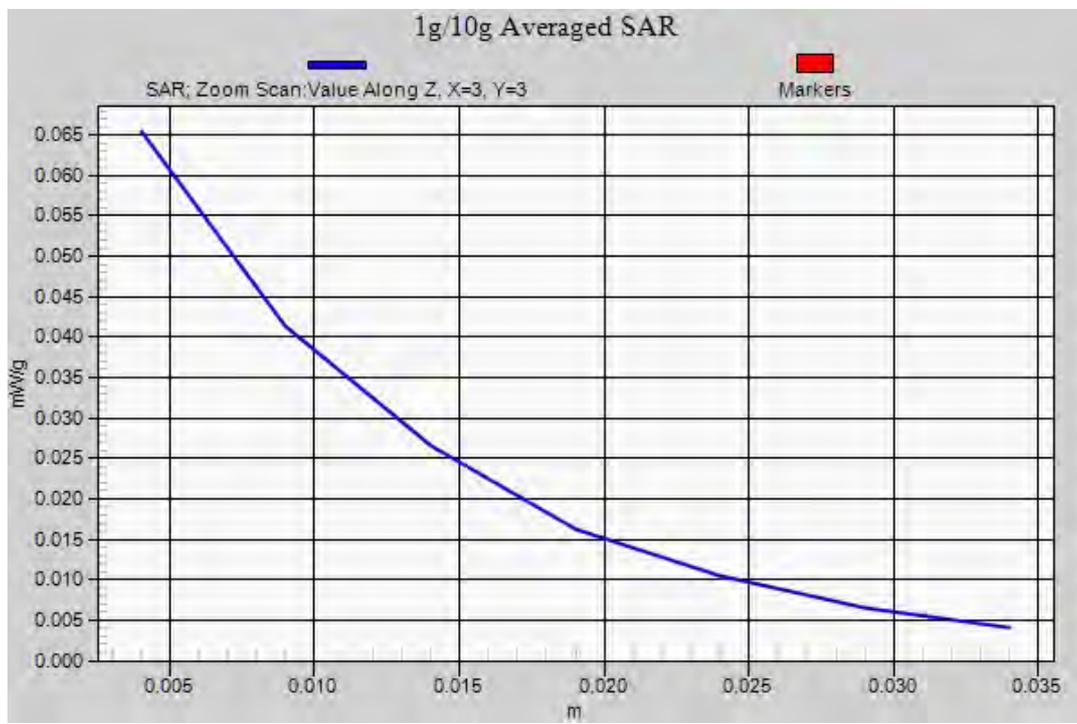
Reference Value = 6.11 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 0.096 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.036 mW/g



0 dB = 0.065mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 1175CH Front side 5mm with Rev.A

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1908.75 MHz

Medium parameters used: $f = 1909$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, 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) = 1.03 mW/g

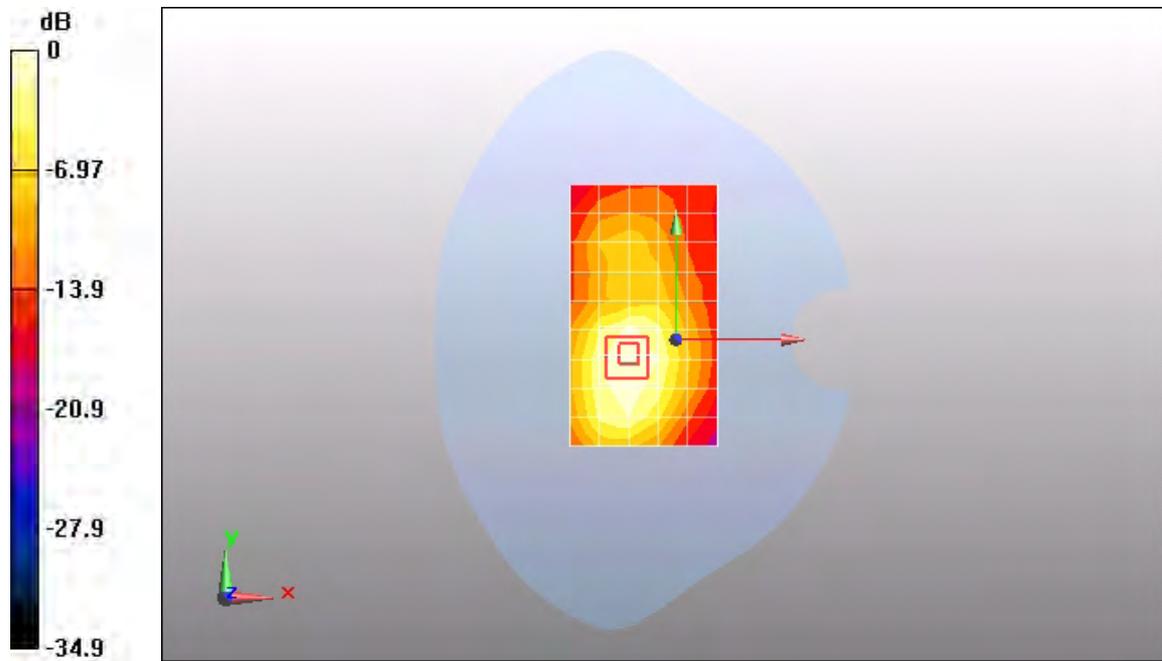
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.7 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.560 mW/g

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



0 dB = 1.05mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 CDMA1900 1175CH Front side 5mm with 1xRTT

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: HW -CDMA2000; Frequency: 1908.75 MHz

Medium parameters used: $f = 1909$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASYS, 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) = 0.938 mW/g

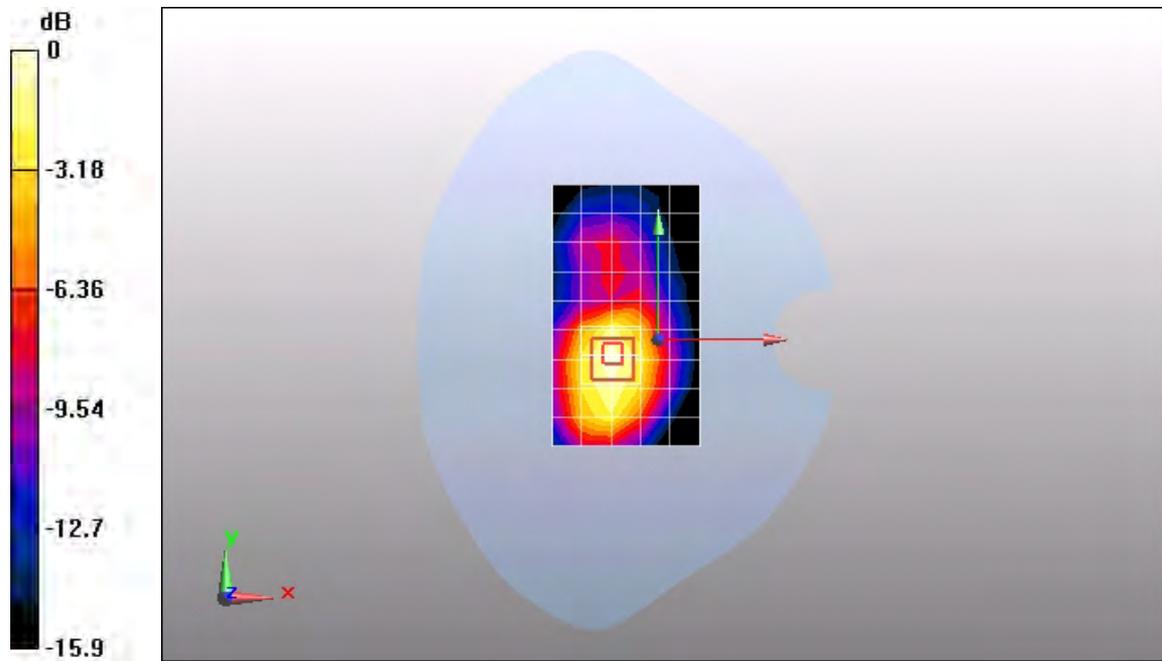
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.1 V/m; Power Drift = -0.091 dB

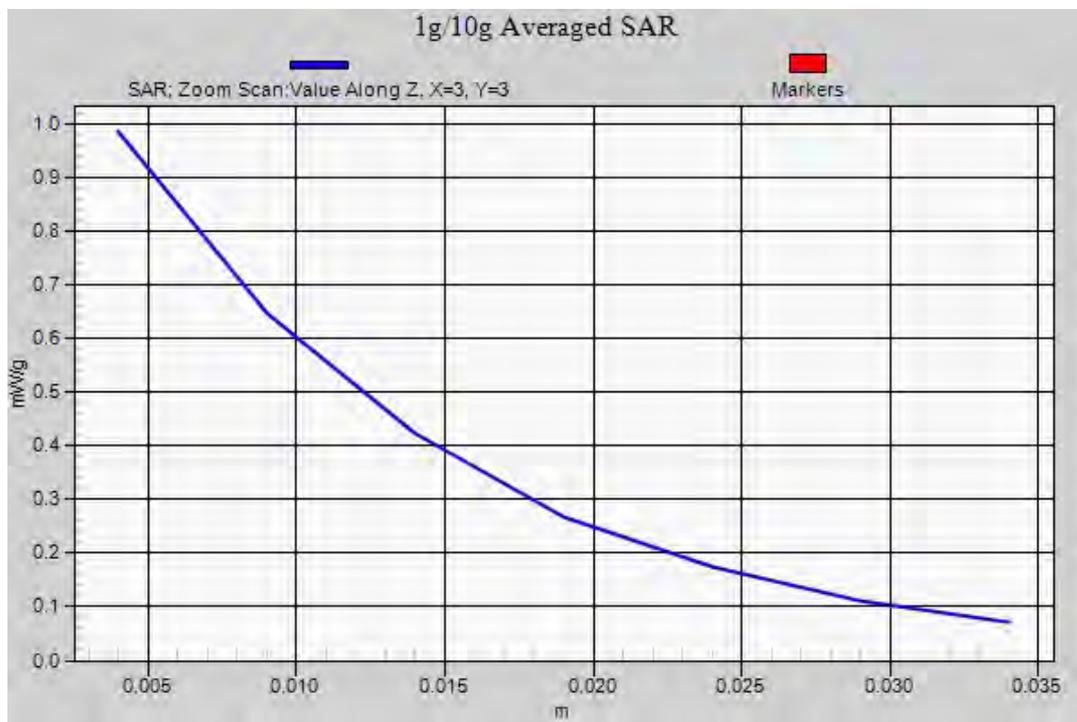
Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.549 mW/g

Maximum value of SAR (measured) = 0.987 mW/g



0 dB = 0.987mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 50%RB #12 20175CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.793 mW/g

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

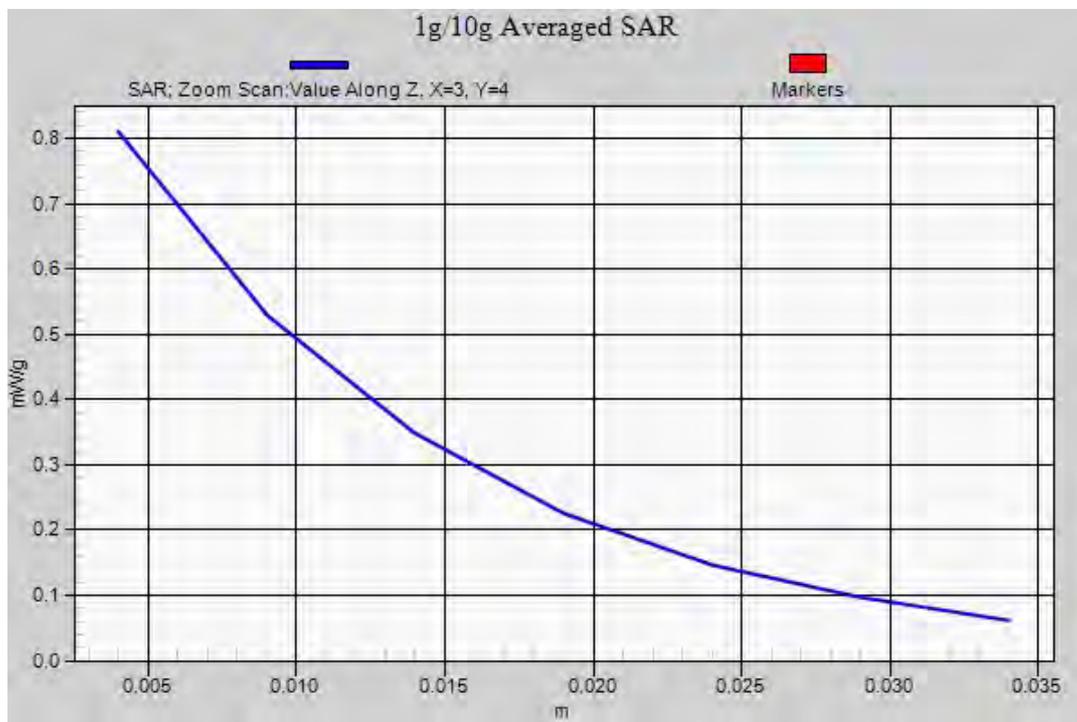
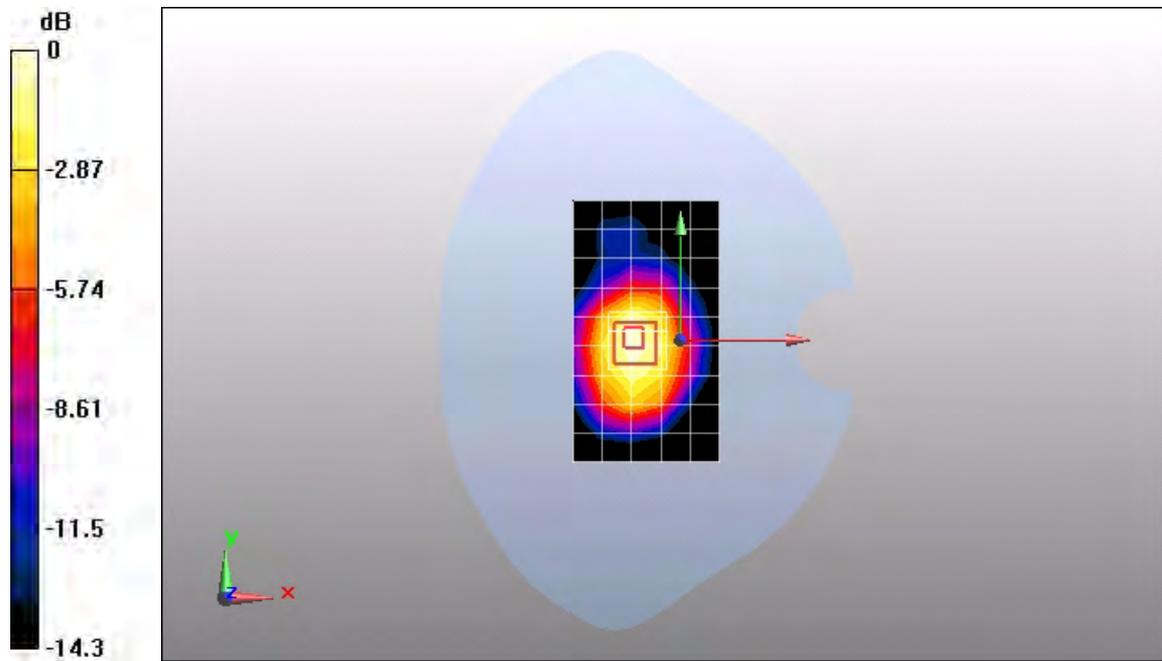
Reference Value = 22.6 V/m; Power Drift = 0.092 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.468 mW/g

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

Maximum value of SAR (measured) = 0.810 mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 50%RB #12 20175CH Back side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.641 mW/g

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

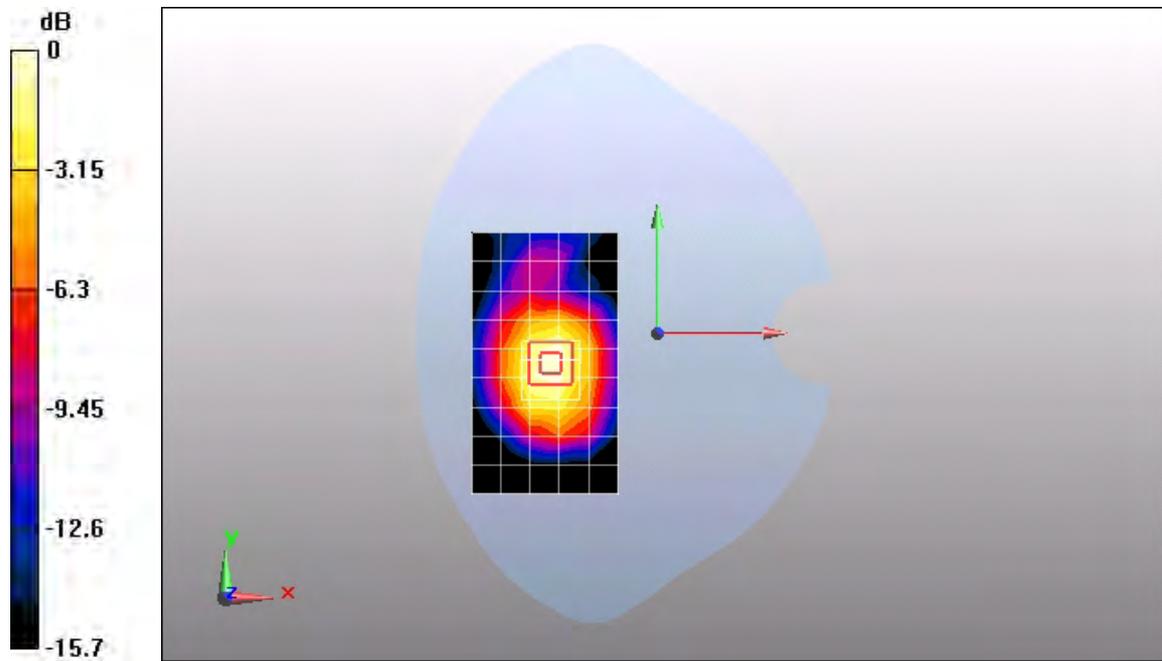
Reference Value = 4.64 V/m; Power Drift = 0.115 dB

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.395 mW/g

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

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



0 dB = 0.703mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 50%RB #12 20175CH Left side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.606 mW/g

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

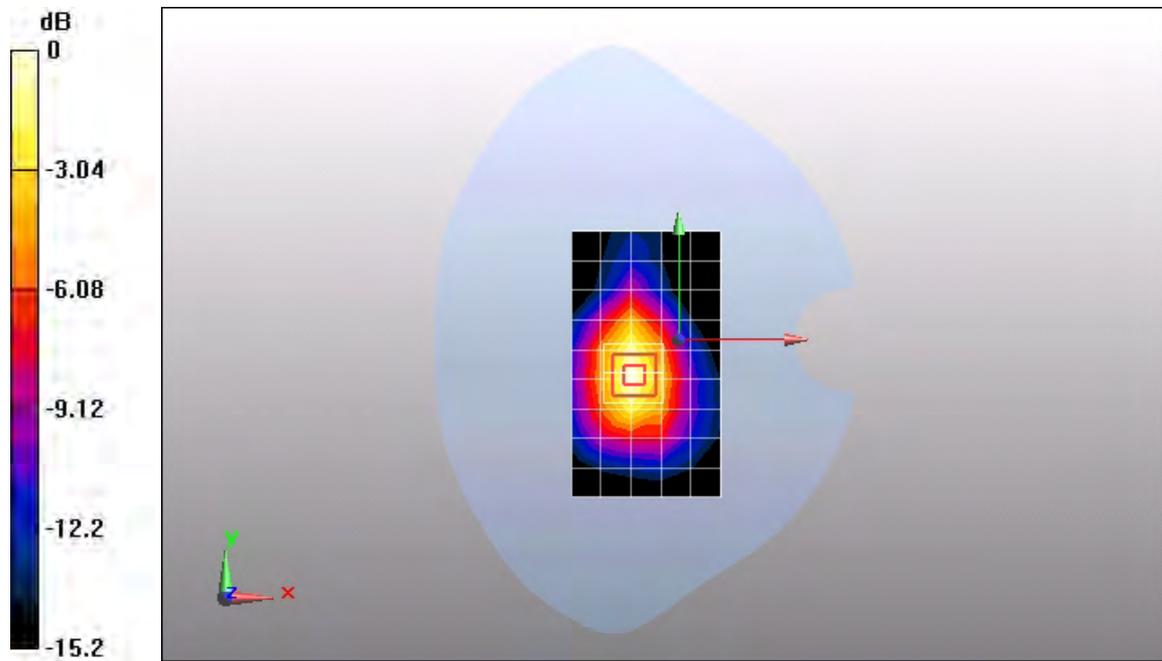
Reference Value = 14.6 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 0.937 W/kg

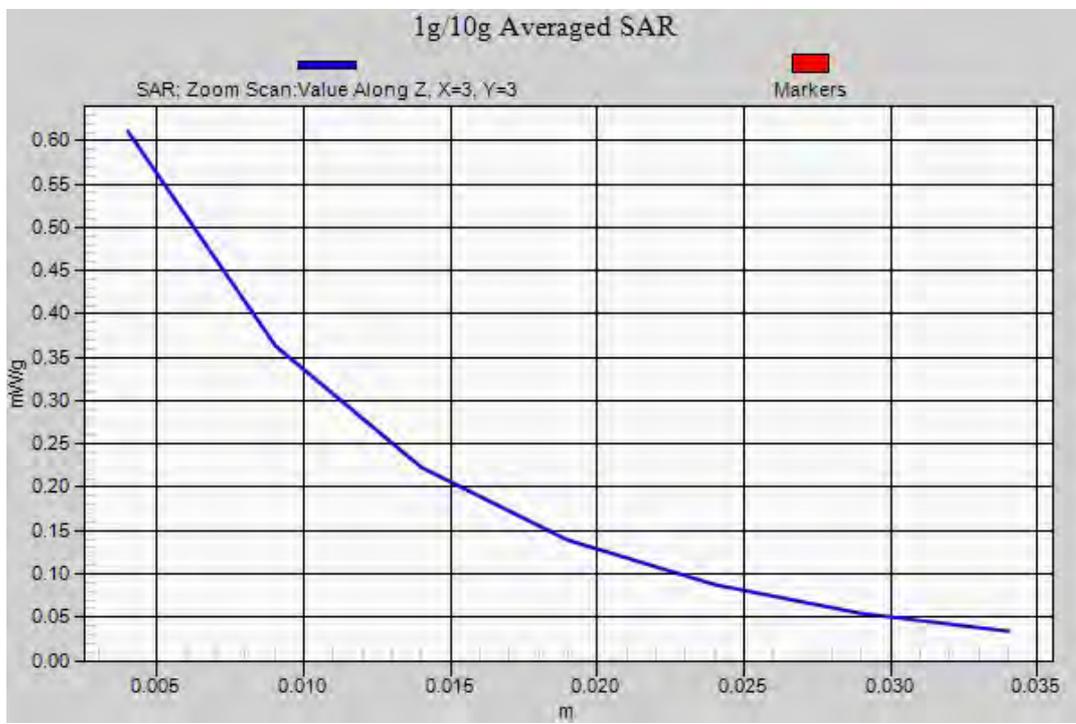
SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.303 mW/g

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

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



0 dB = 0.610mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 50%RB #12 20350CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.704 mW/g

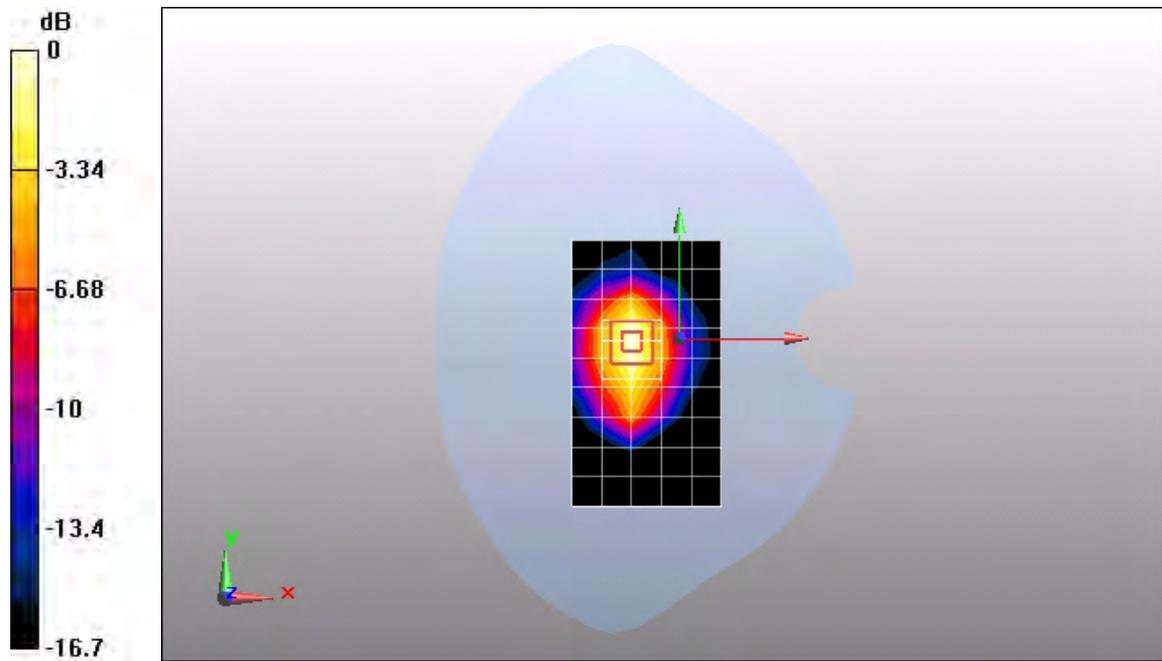
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = 0.195 dB

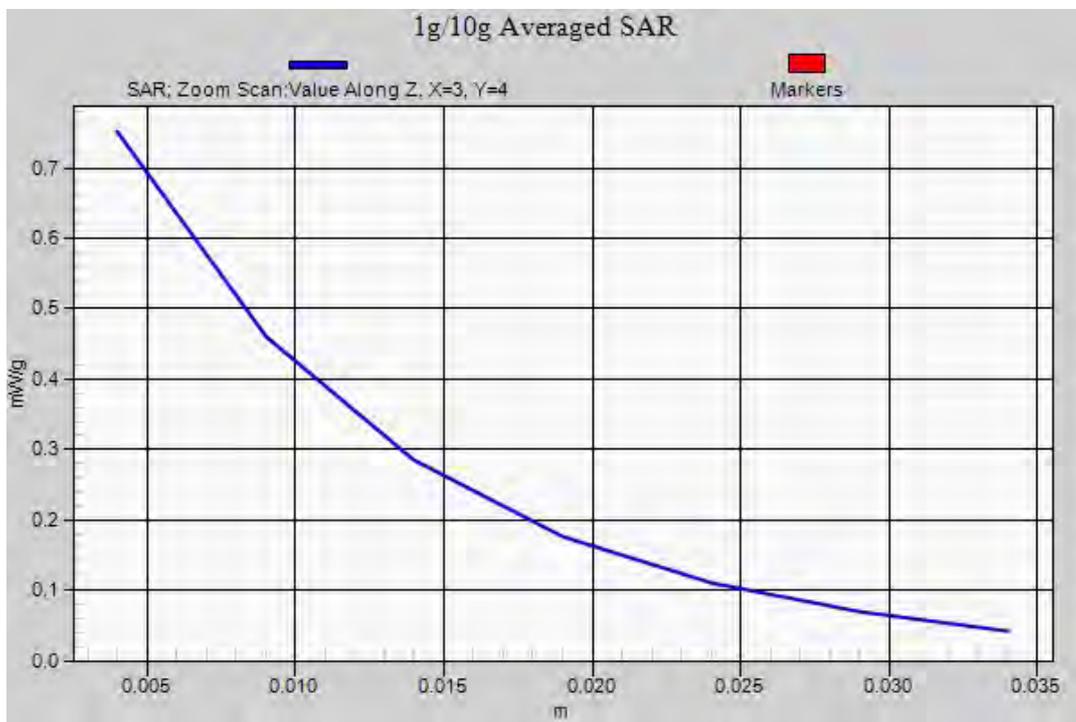
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.372 mW/g

Maximum value of SAR (measured) = 0.752 mW/g



0 dB = 0.752mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 50%RB #12 20175CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.901 mW/g

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

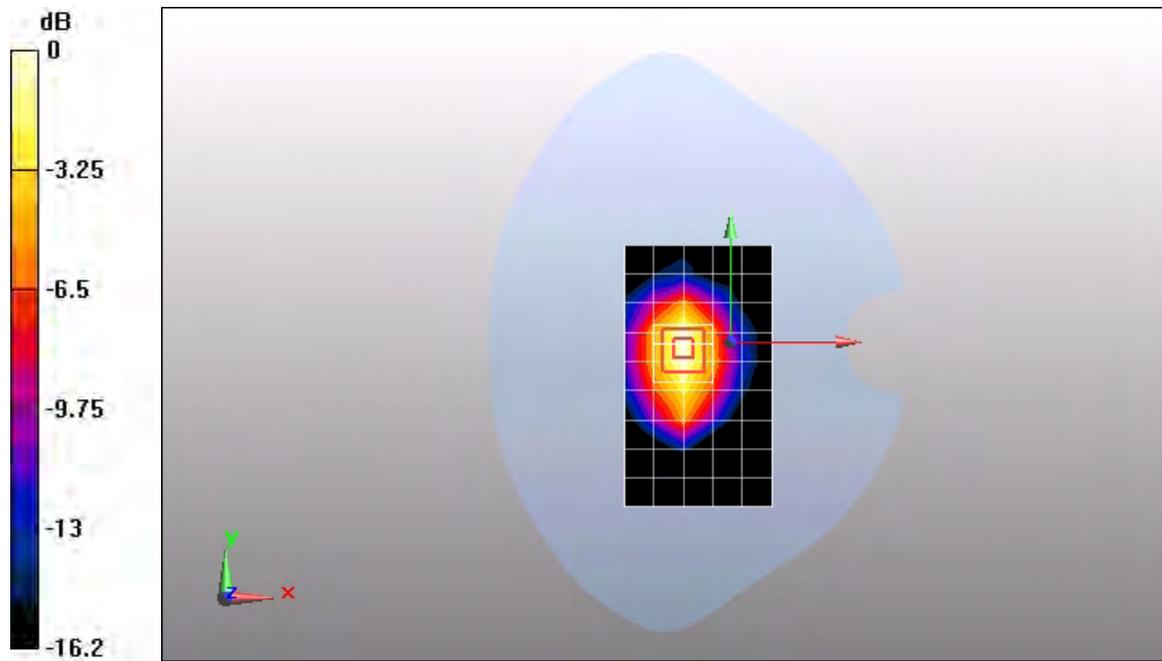
Reference Value = 22 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 1.45 W/kg

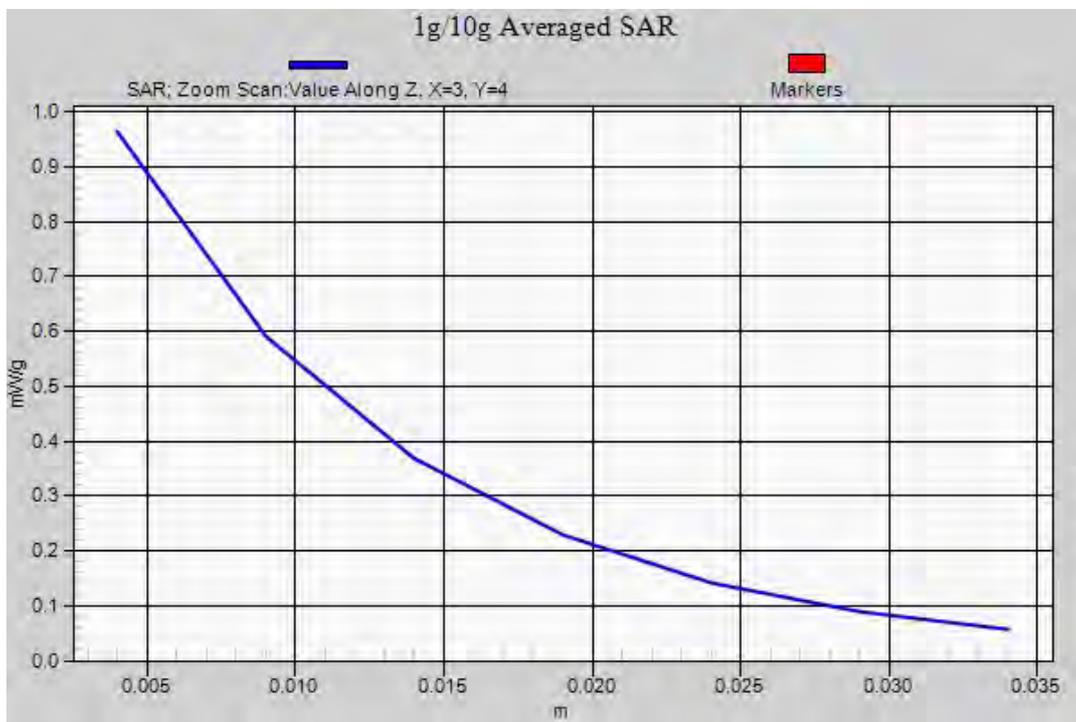
SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.483 mW/g

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

Maximum value of SAR (measured) = 0.964 mW/g



0 dB = 0.964mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 50%RB #12 20000CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1715 MHz

Medium parameters used: $f = 1715$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.852 mW/g

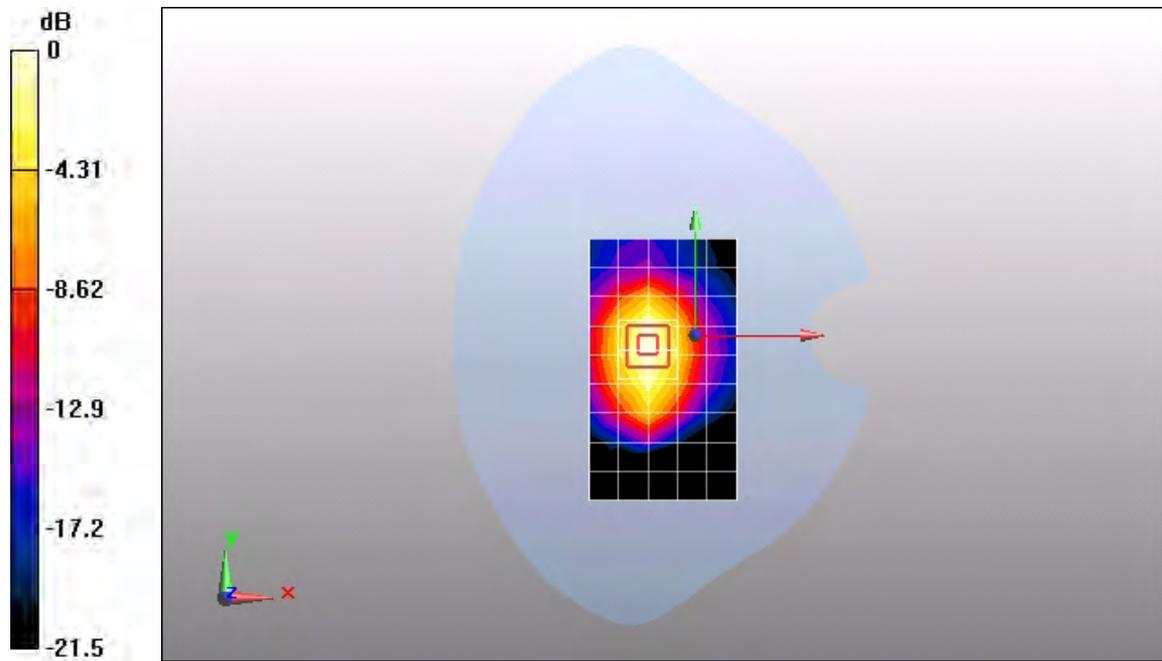
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.1 V/m; Power Drift = -0.025 dB

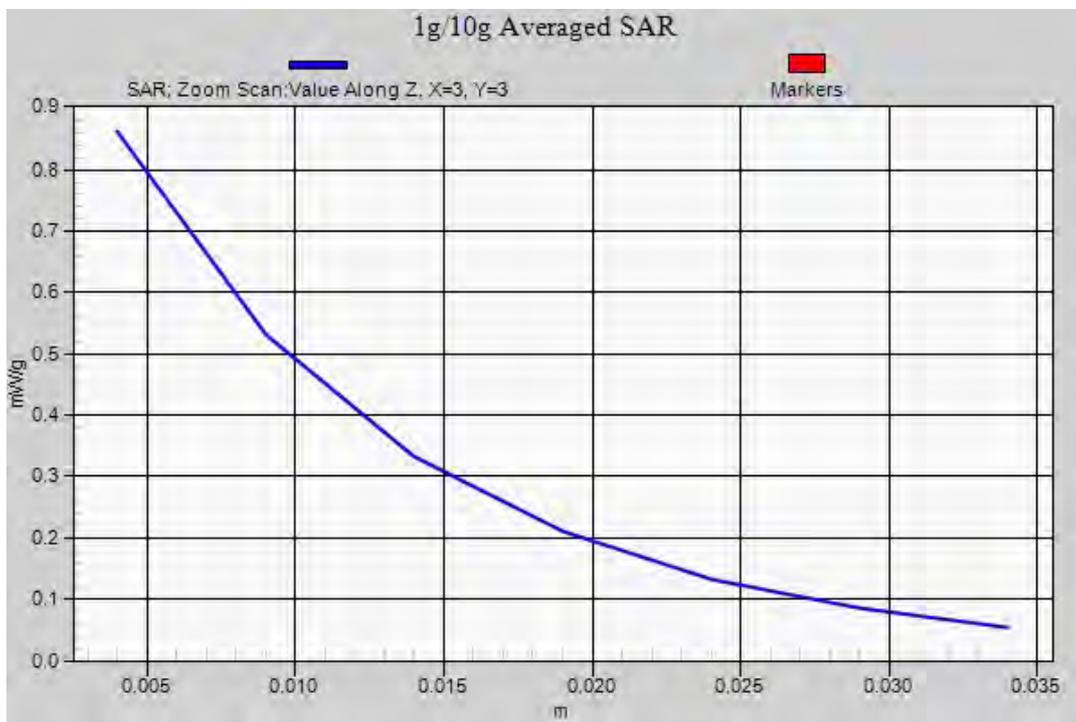
Peak SAR (extrapolated) = 1.3 W/kg

SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.438 mW/g

Maximum value of SAR (measured) = 0.862 mW/g



0 dB = 0.862mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 50%RB #12 20175CH Top side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.048 mW/g

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

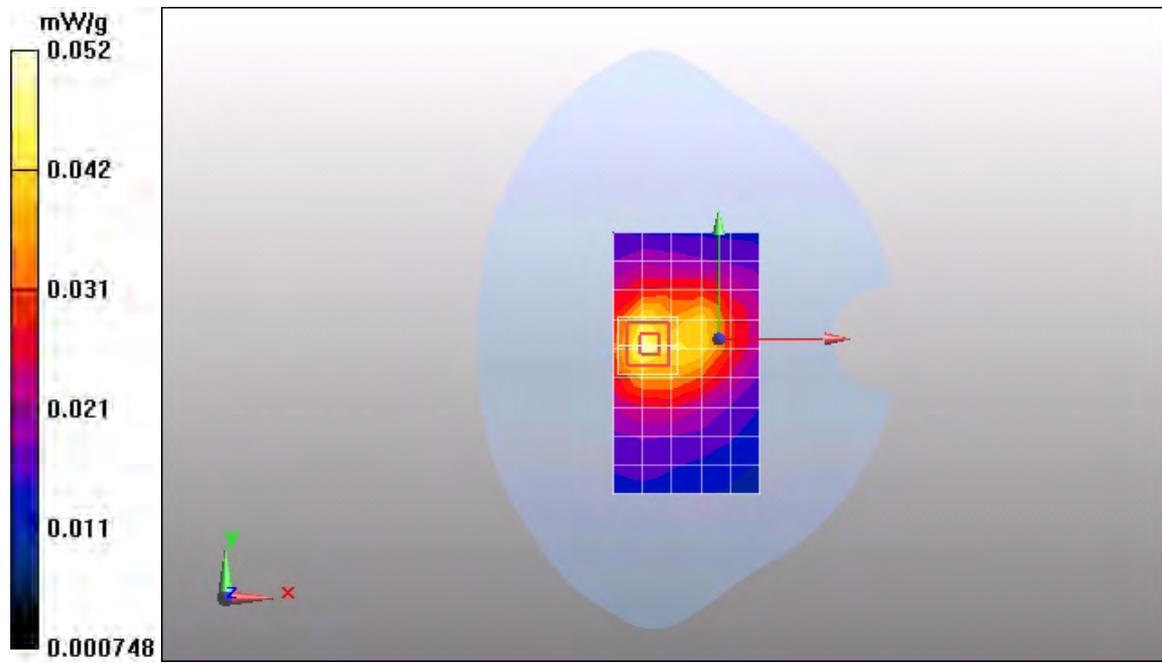
Reference Value = 5.22 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 0.077 W/kg

SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.029 mW/g

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

Maximum value of SAR (measured) = 0.052 mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #0 20175CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.896 mW/g

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

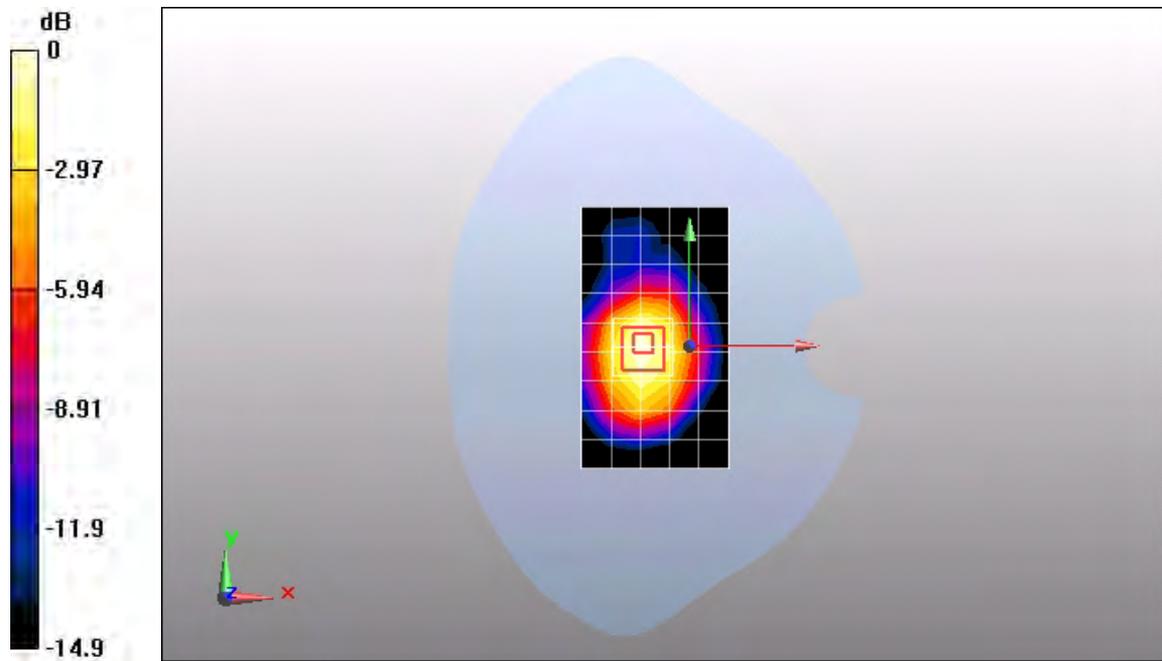
Reference Value = 23.9 V/m; Power Drift = 0.086 dB

Peak SAR (extrapolated) = 1.3 W/kg

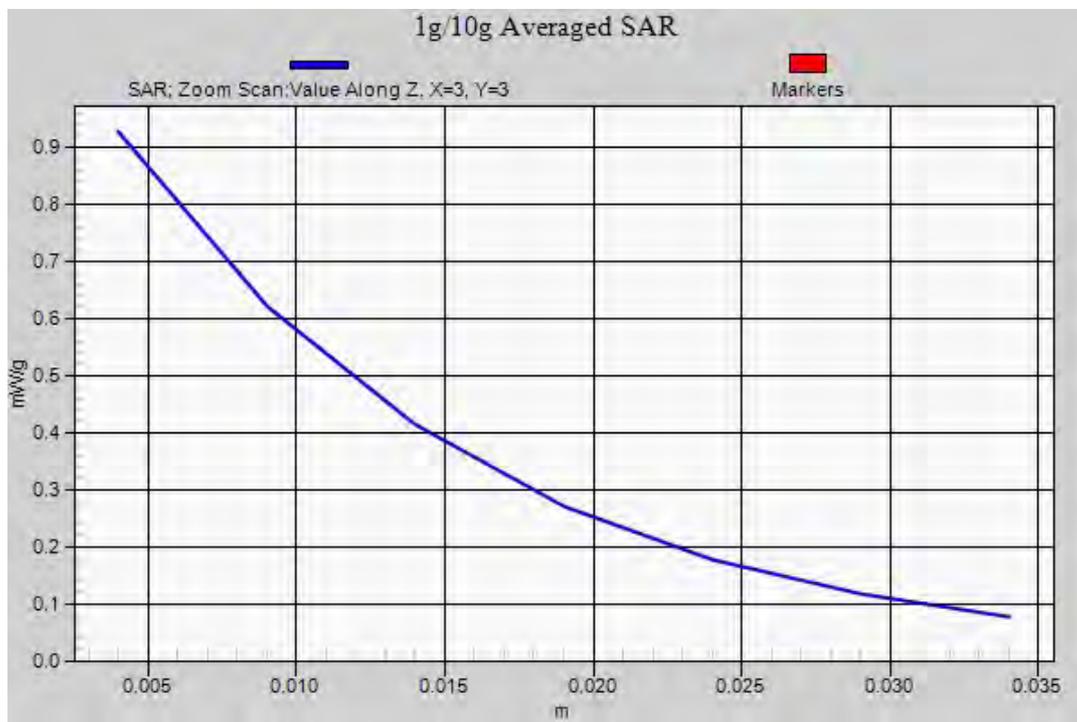
SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.528 mW/g

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

Maximum value of SAR (measured) = 0.927 mW/g



0 dB = 0.927mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #0 20175CH Back side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.689 mW/g

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

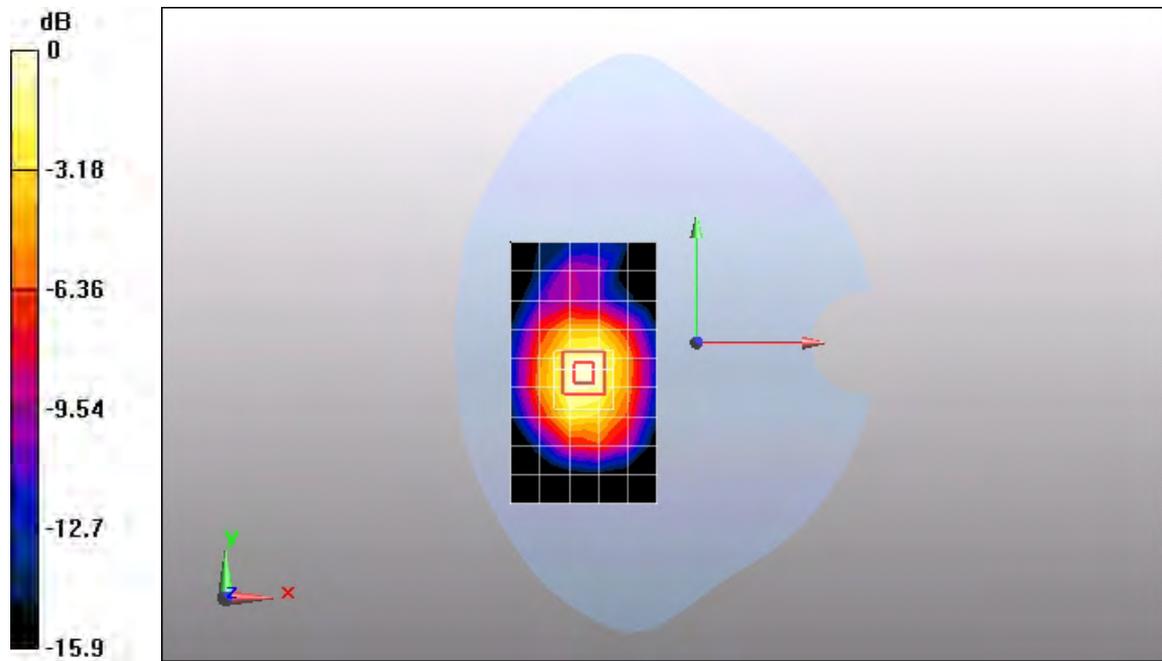
Reference Value = 4.37 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 1.15 W/kg

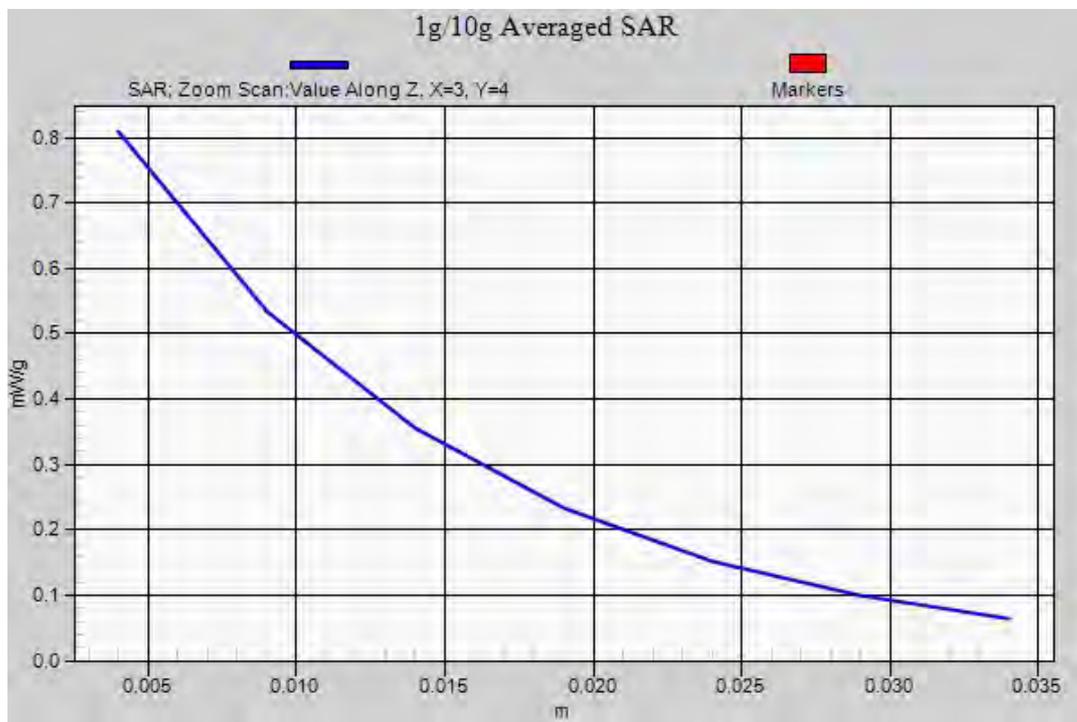
SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.457 mW/g

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

Maximum value of SAR (measured) = 0.809 mW/g



0 dB = 0.809mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #0 20175CH Left side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.674 mW/g

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

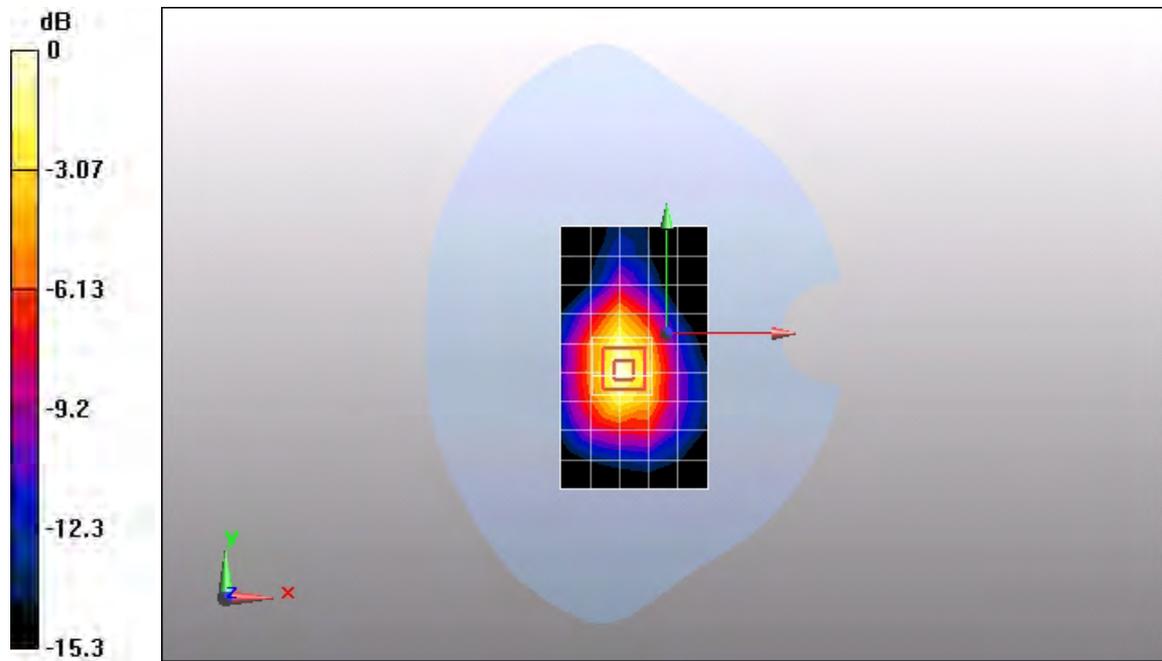
Reference Value = 15.8 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 1.08 W/kg

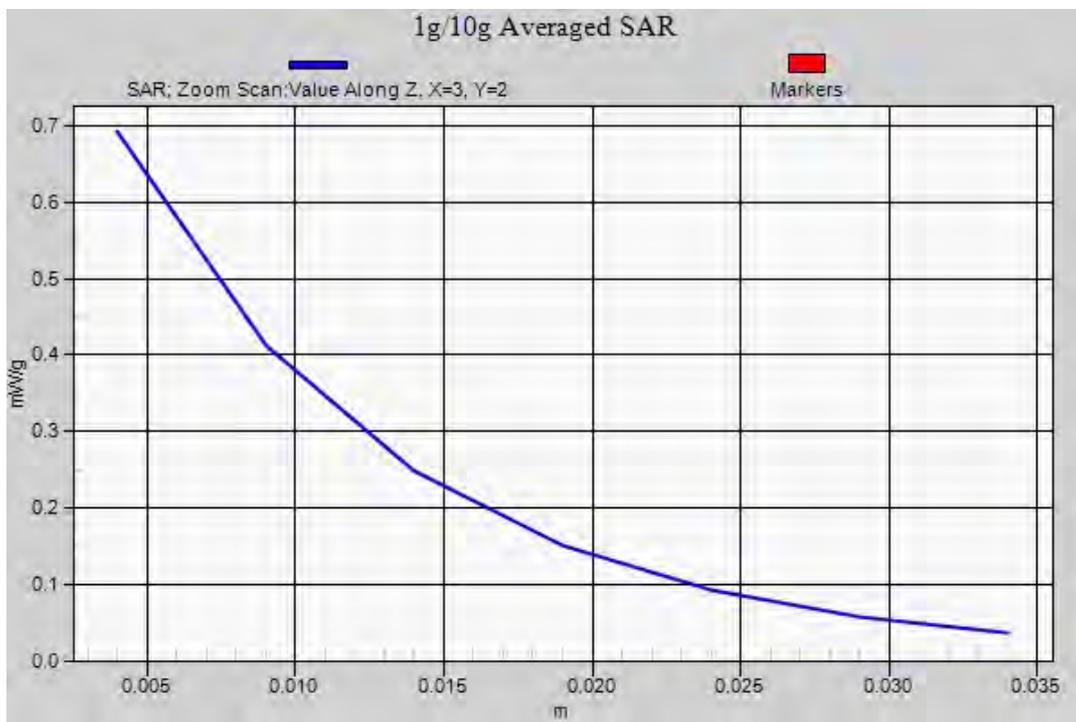
SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.348 mW/g

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

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



0 dB = 0.693mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #0 20175CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.996 mW/g

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

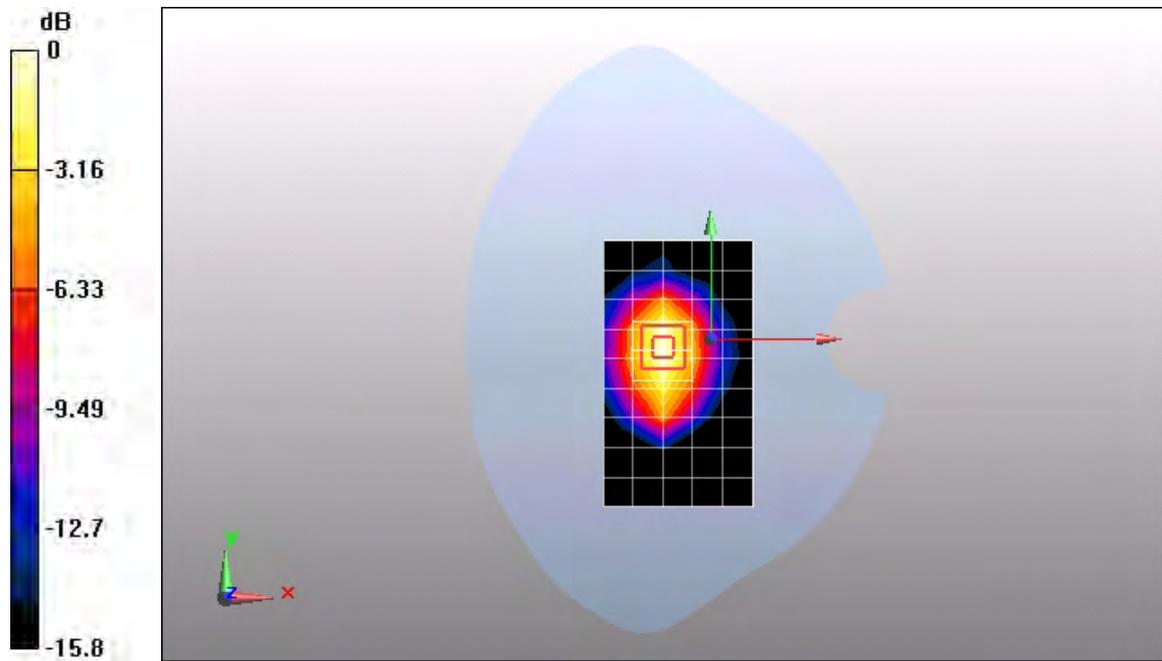
Reference Value = 23.7 V/m; Power Drift = 0.00605 dB

Peak SAR (extrapolated) = 1.59 W/kg

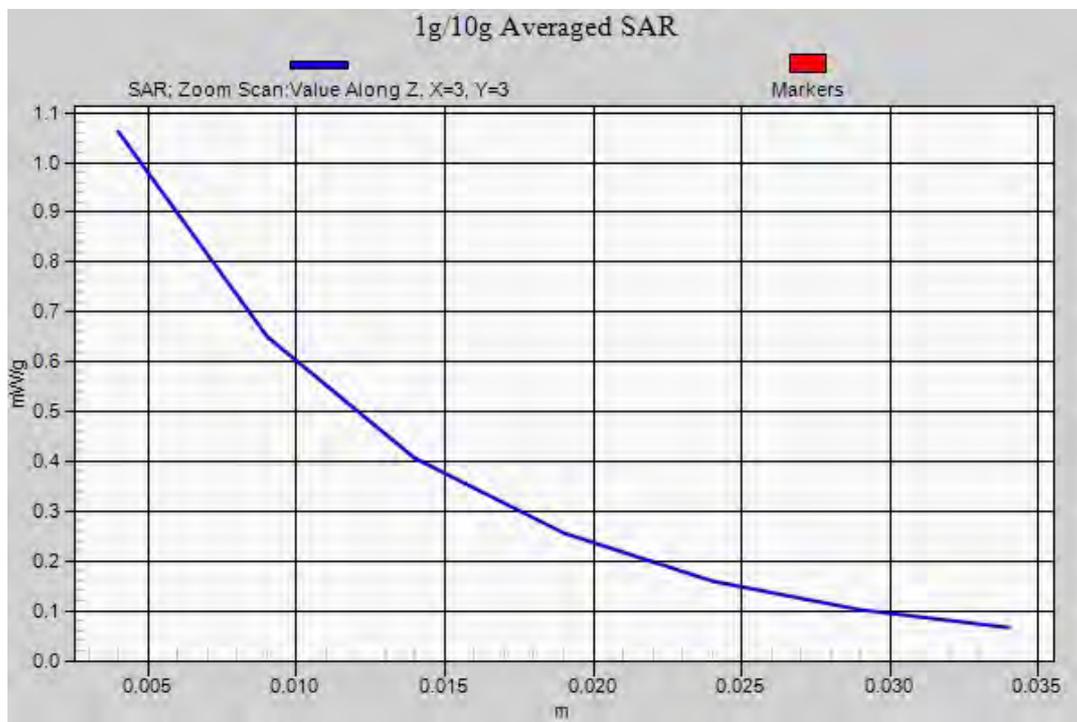
SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.538 mW/g

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

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



0 dB = 1.06mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #0 20175CH Top side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.054 mW/g

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

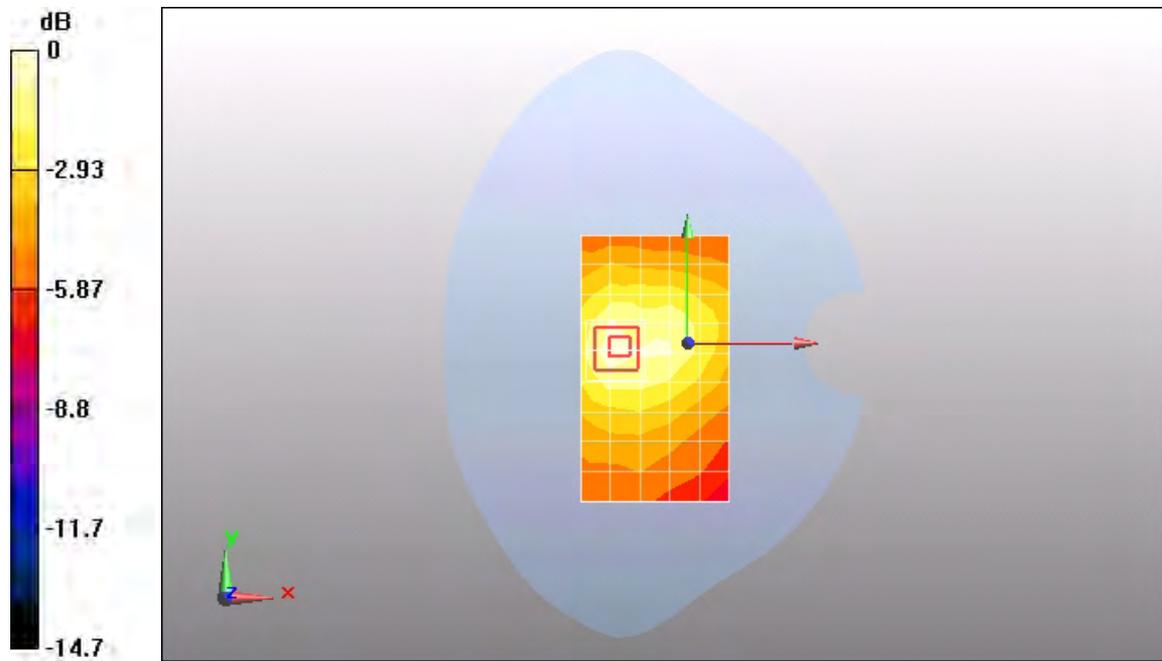
Reference Value = 5.52 V/m; Power Drift = 0.112 dB

Peak SAR (extrapolated) = 0.083 W/kg

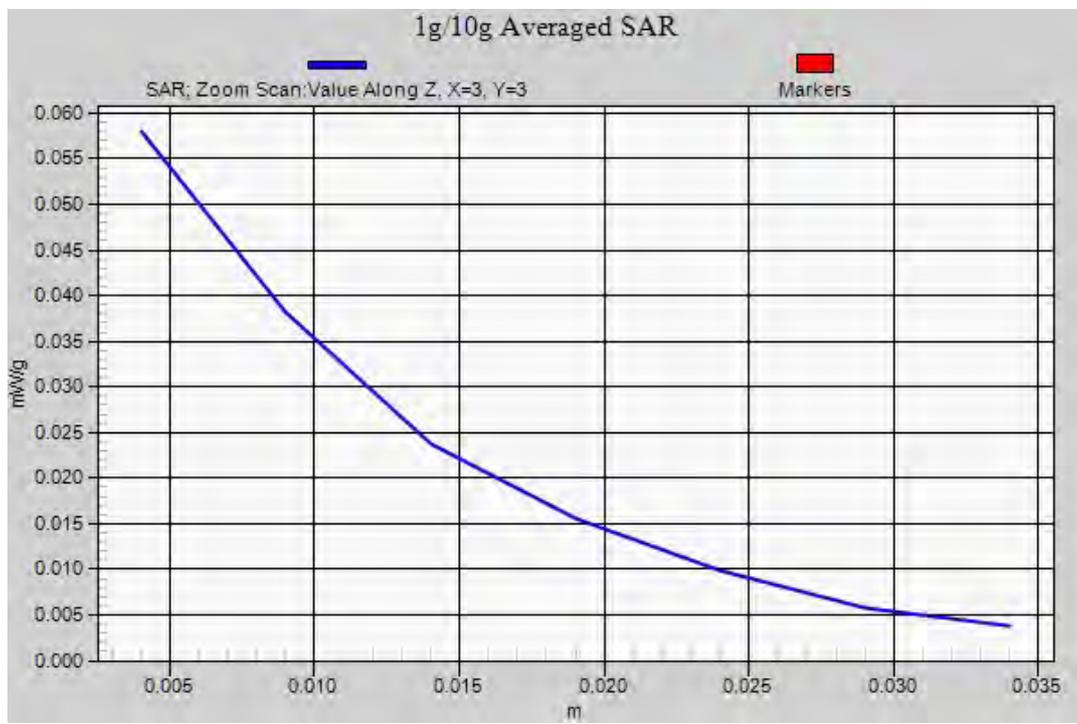
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.033 mW/g

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

Maximum value of SAR (measured) = 0.058 mW/g



0 dB = 0.058mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #49 20350CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.910 mW/g

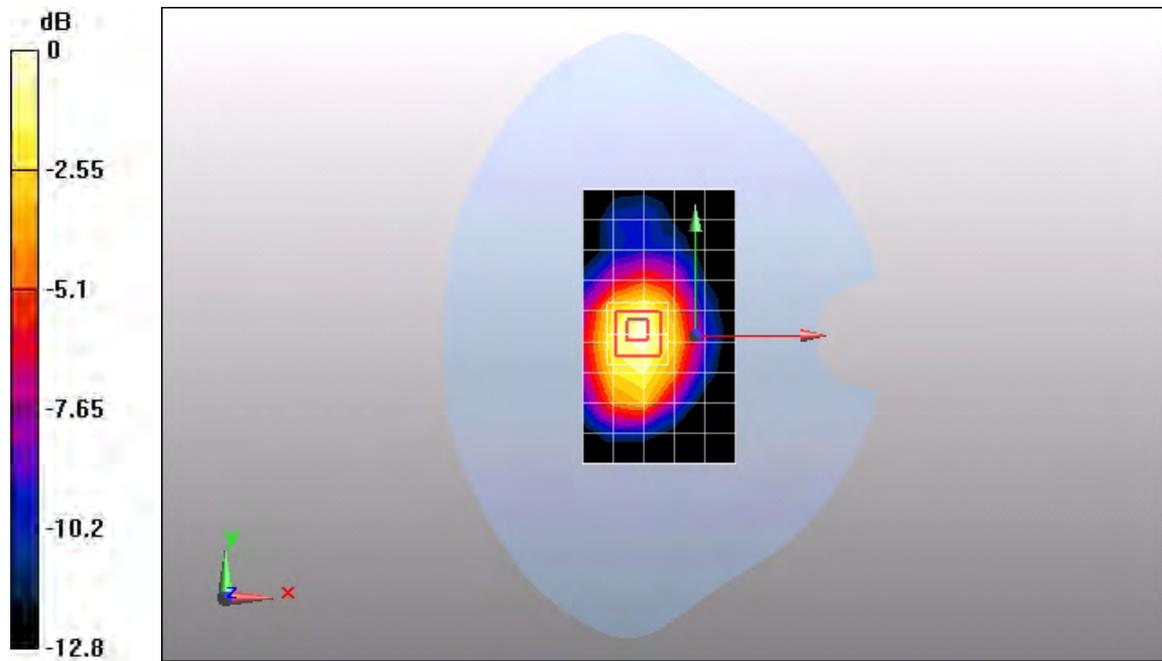
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.917 mW/g; SAR(10 g) = 0.562 mW/g

Maximum value of SAR (measured) = 0.993 mW/g



0 dB = 0.993mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #49 20350CH Back side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.620 mW/g

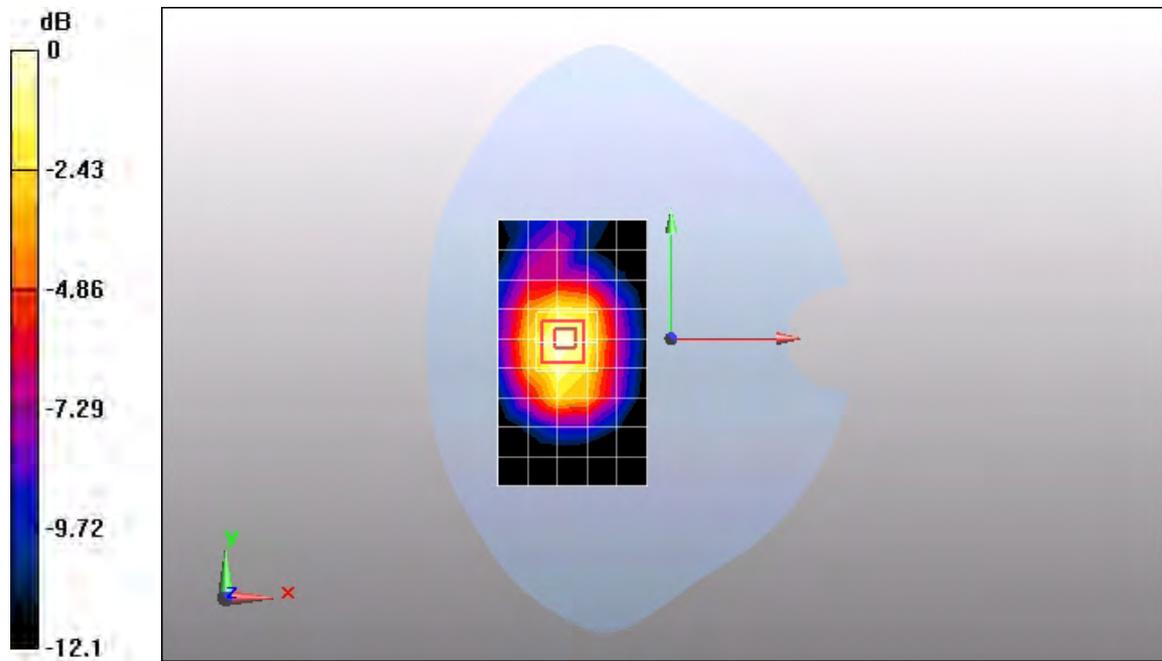
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.24 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 0.634 mW/g



0 dB = 0.634mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #49 20350CH Left side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.727 mW/g

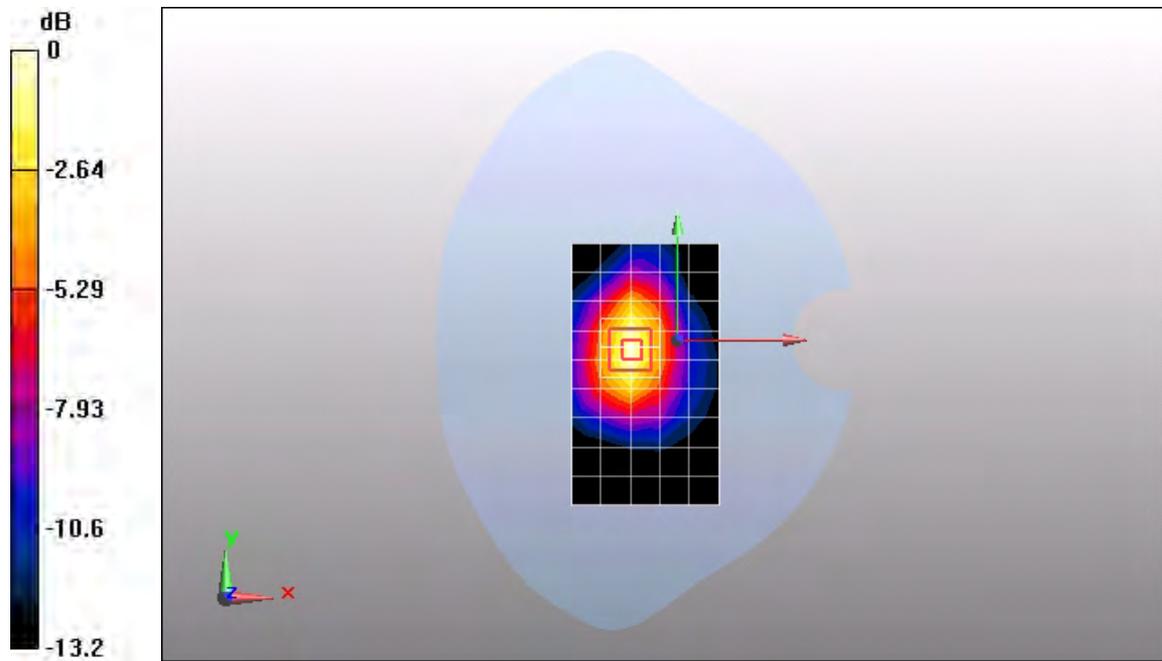
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.688 mW/g; SAR(10 g) = 0.385 mW/g

Maximum value of SAR (measured) = 0.766 mW/g



0 dB = 0.766mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #49 20350CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.997 mW/g

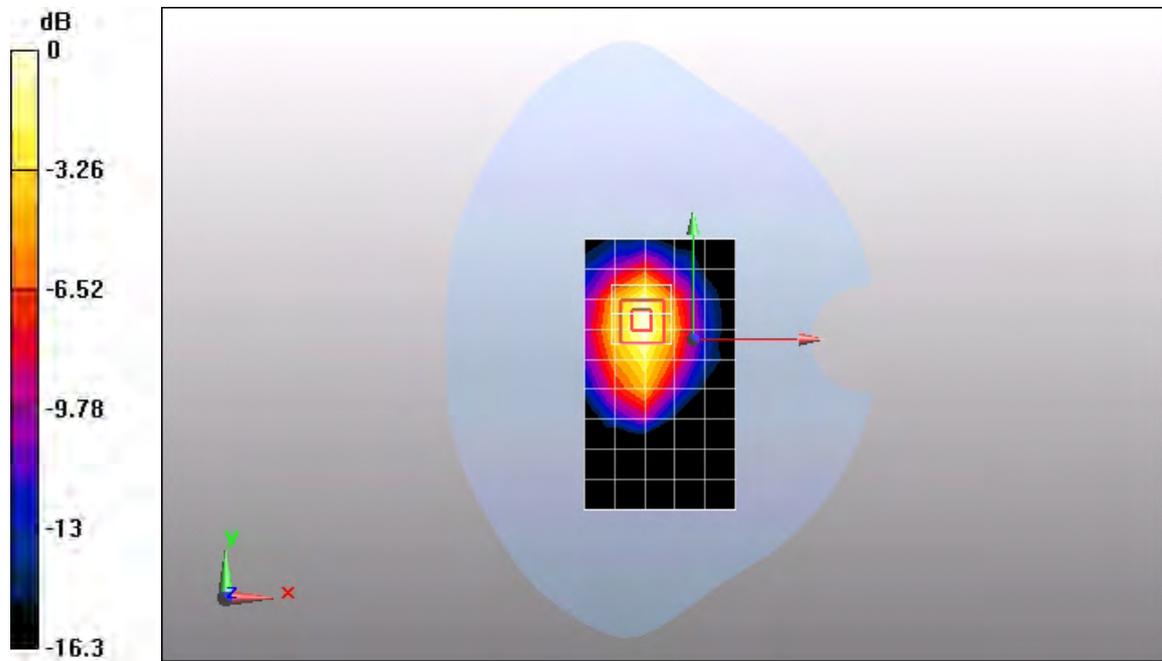
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.8 V/m; Power Drift = 0.090 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.511 mW/g

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



0 dB = 1.02mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M QPSK 1RB #49 20350CH Top side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 0.070 mW/g

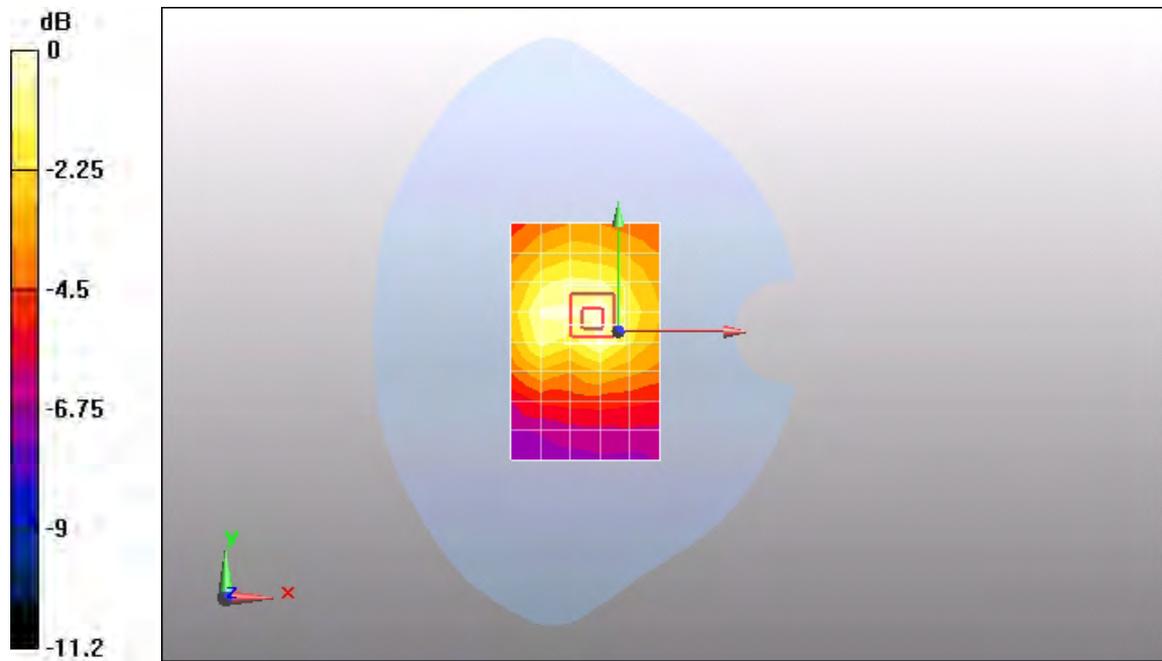
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.68 V/m; Power Drift = -0.113 dB

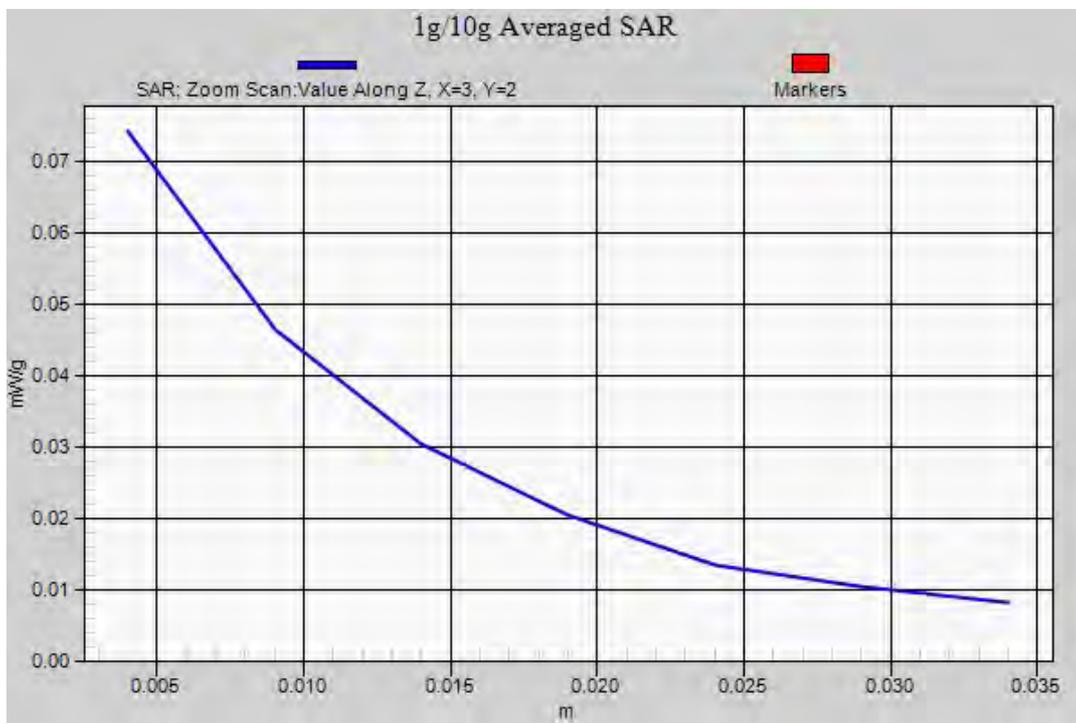
Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.074 mW/g



0 dB = 0.074mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 50%RB #12 20175CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.761 mW/g

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

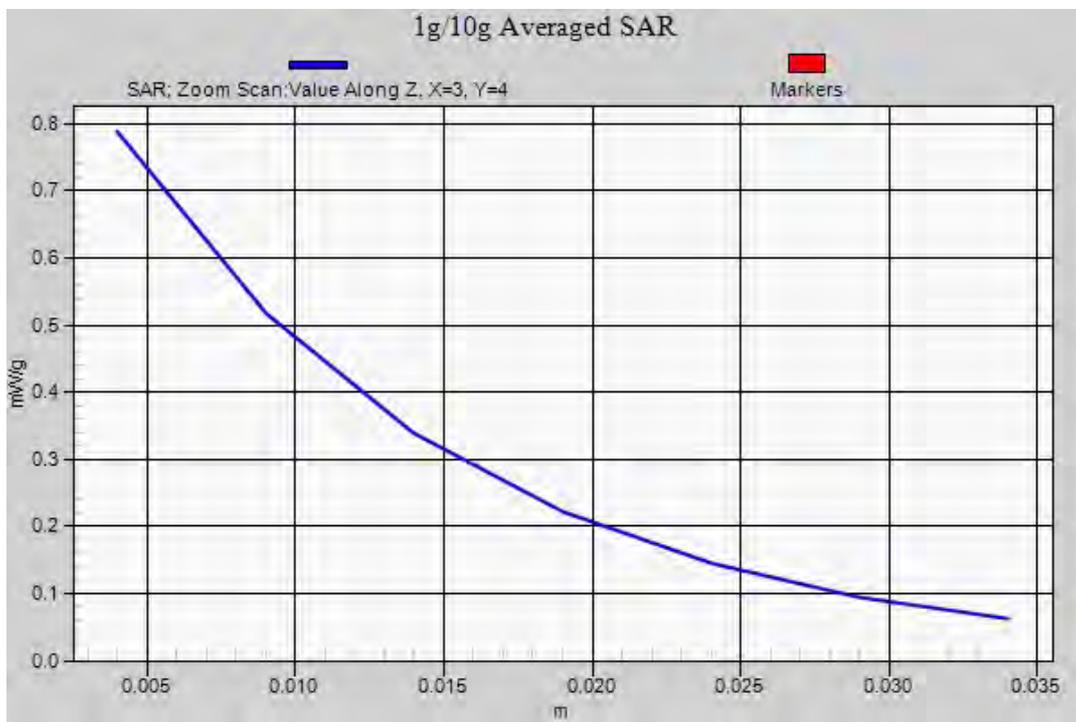
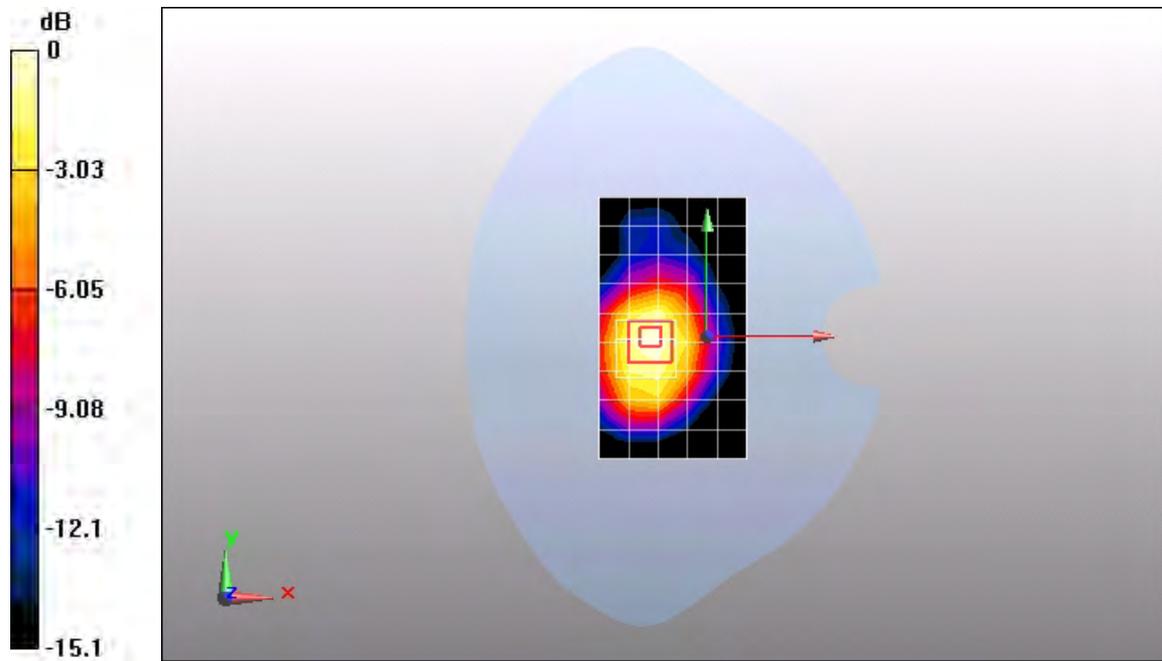
Reference Value = 20 V/m; Power Drift = 0.160 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.452 mW/g

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

Maximum value of SAR (measured) = 0.788 mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 50%RB #12 20175CH Back side 5mm-1

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.772 mW/g

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

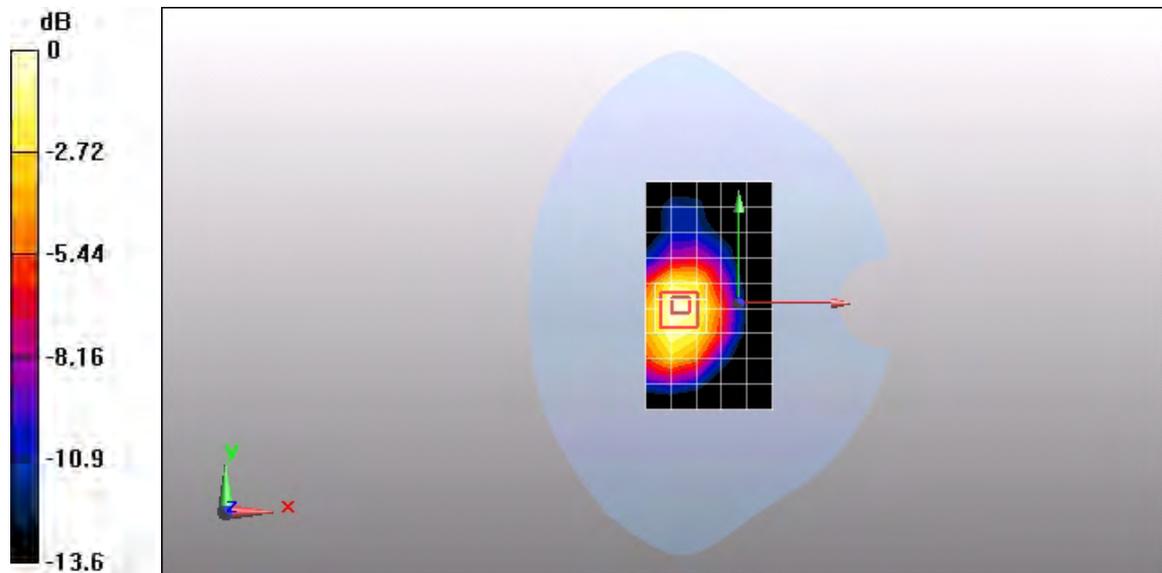
Reference Value = 17.1 V/m; Power Drift = 0.153 dB

Peak SAR (extrapolated) = 1.15 W/kg

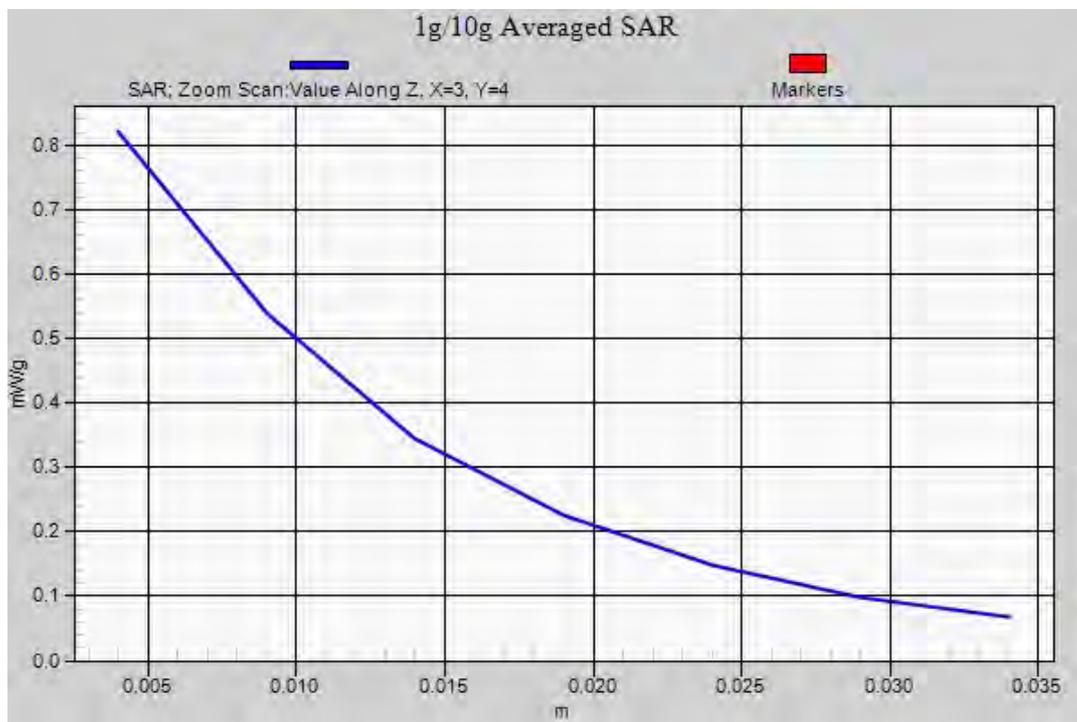
SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.470 mW/g

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

Maximum value of SAR (measured) = 0.821 mW/g



0 dB = 0.821mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 50%RB #12 20175CH Left side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.677 mW/g

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

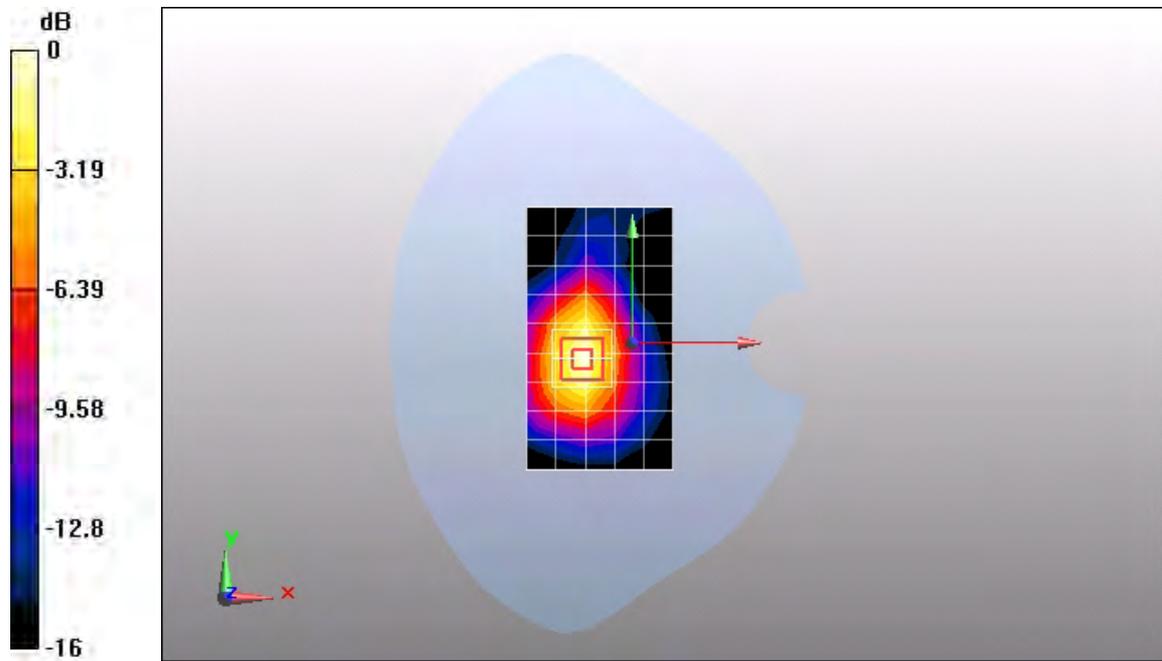
Reference Value = 17.4 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 1.1 W/kg

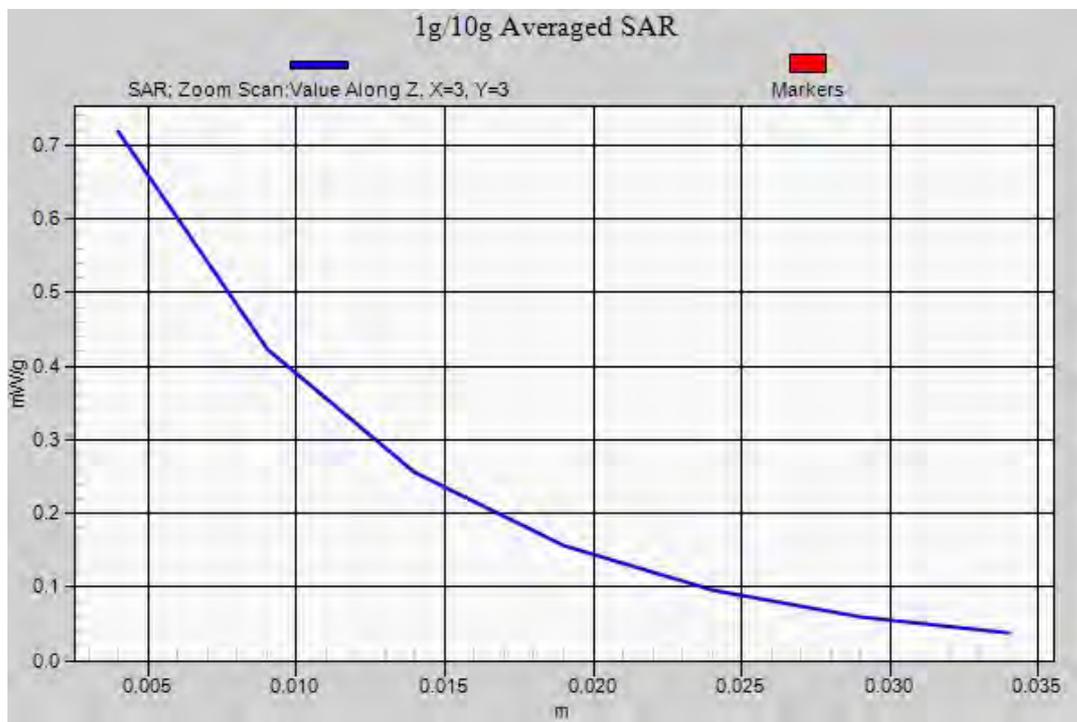
SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.354 mW/g

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

Maximum value of SAR (measured) = 0.718 mW/g



0 dB = 0.718mW/g



Date/Time: 7/17/2011 22:04:08, Date/Time: 7/17/2011 22:15:24

Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 50%RB #12 20175CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 -SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- 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 (8x14x1): Measurement grid: dx=10mm, dy=10mm

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

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

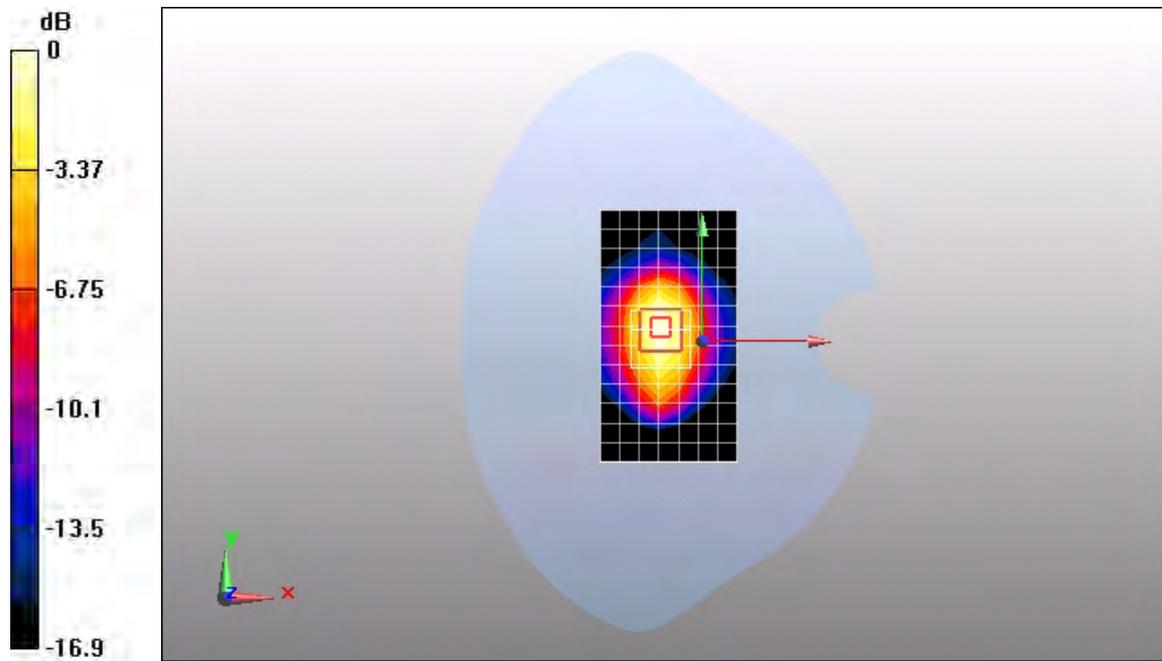
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.1 V/m; Power Drift = 0.126 dB Peak SAR (extrapolated) = 1.57 W/kg

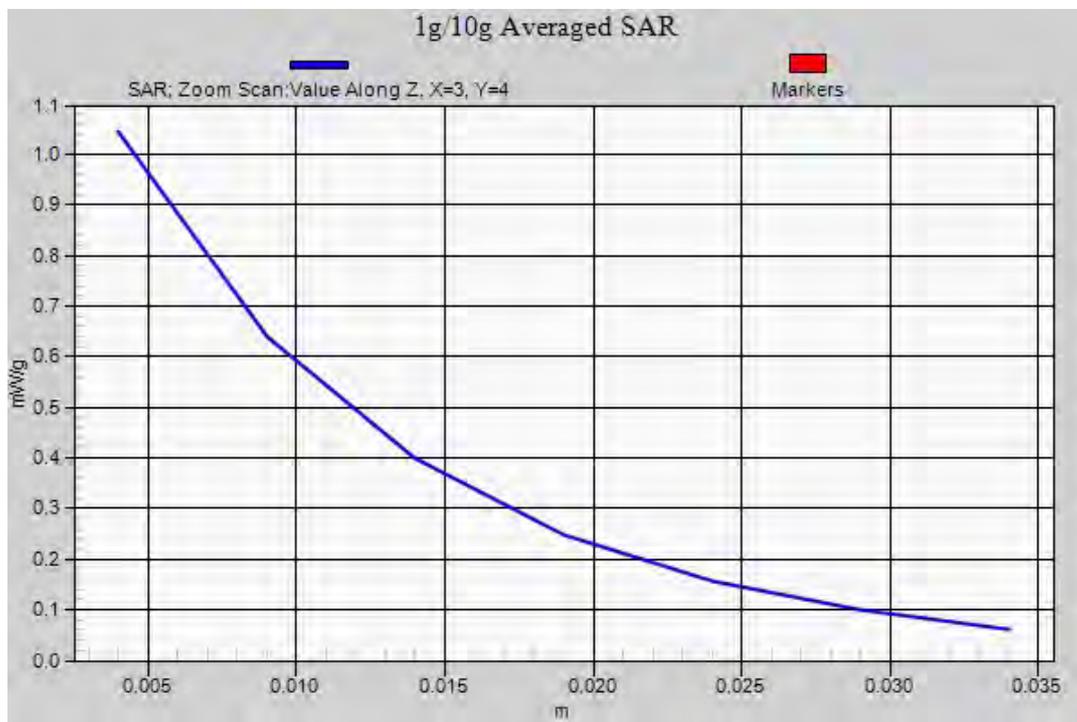
SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.527 mW/g

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

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



0 dB = 1.04mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 50%RB #12 20175CH Top side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.048 mW/g

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

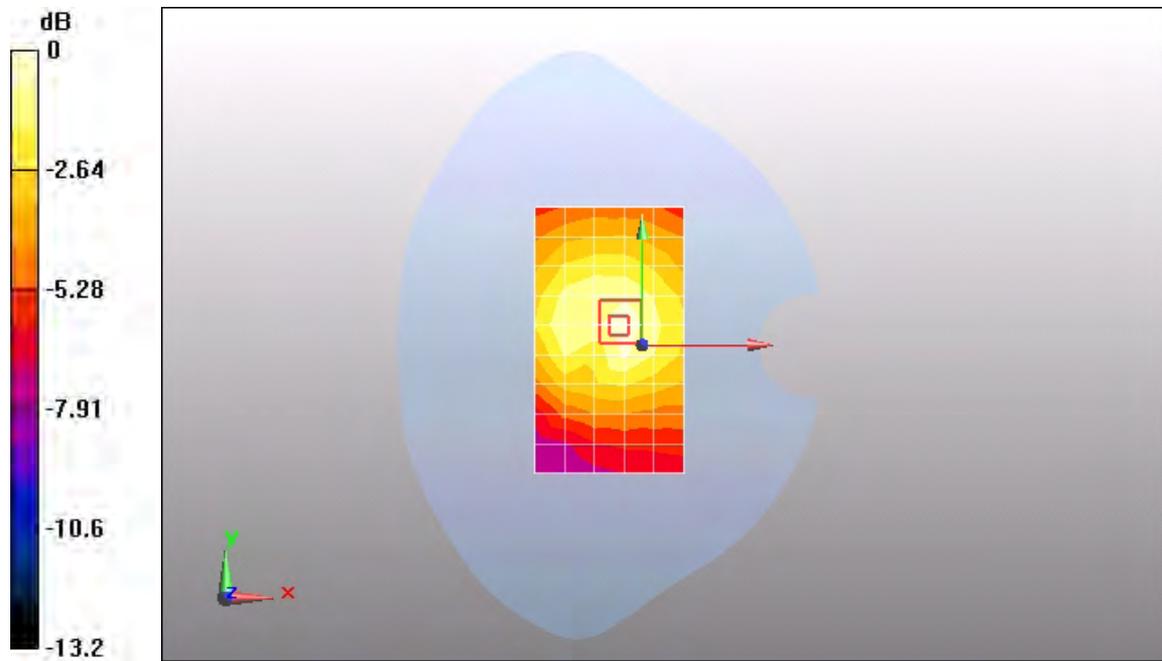
Reference Value = 5.22 V/m; Power Drift = 0.194 dB

Peak SAR (extrapolated) = 0.074 W/kg

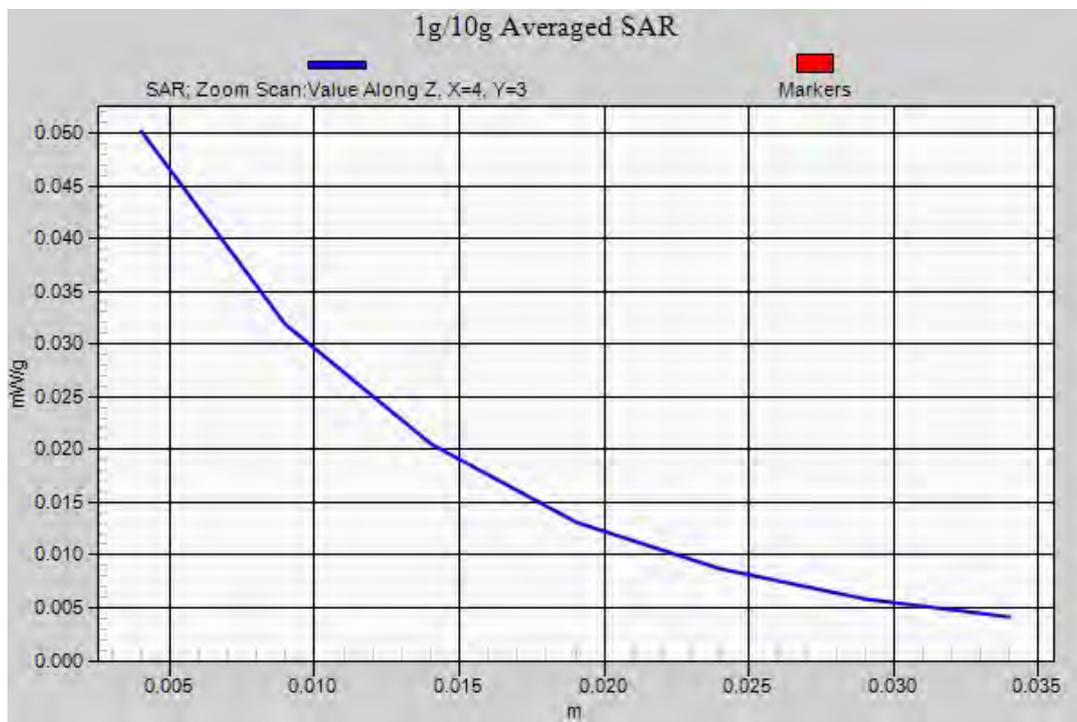
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.029 mW/g

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

Maximum value of SAR (measured) = 0.050 mW/g



0 dB = 0.050mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #0 20175CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.947 mW/g

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

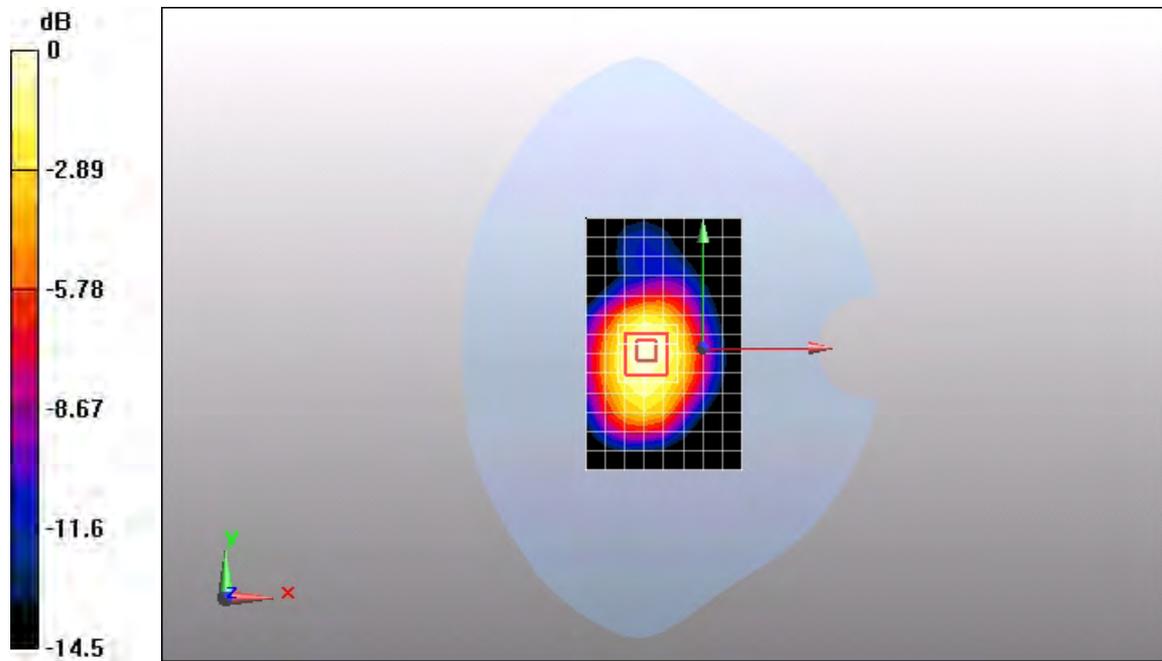
Reference Value = 22.3 V/m; Power Drift = 0.111 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.882 mW/g; SAR(10 g) = 0.545 mW/g

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

Maximum value of SAR (measured) = 0.956 mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #0 20175CH Back side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.878 mW/g

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

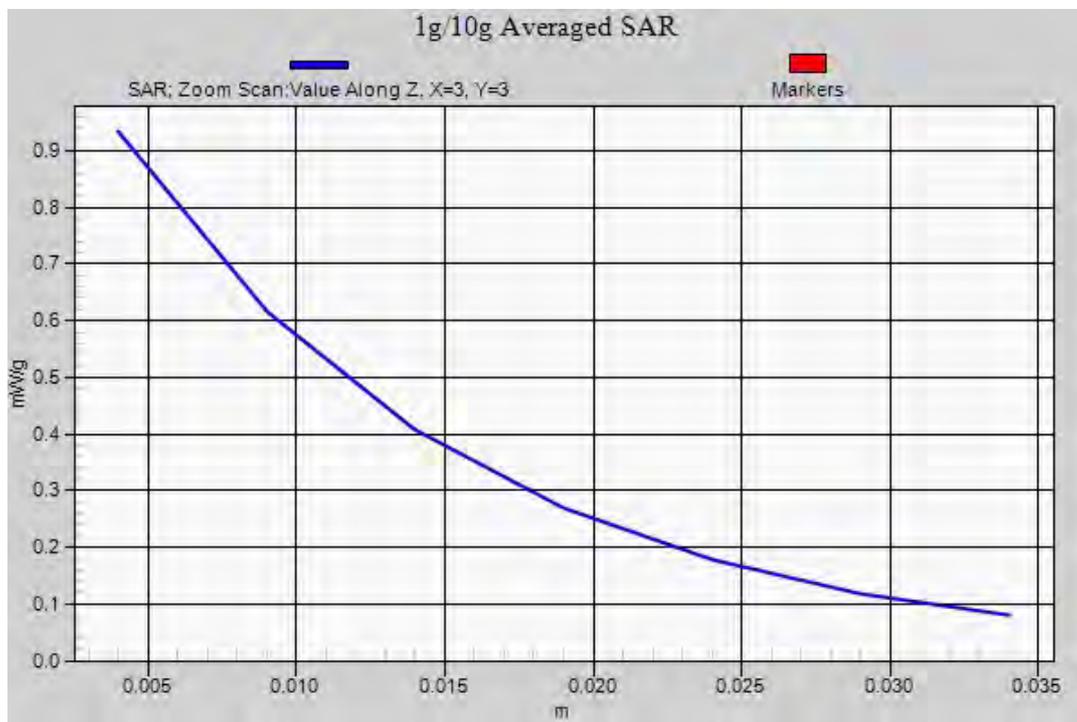
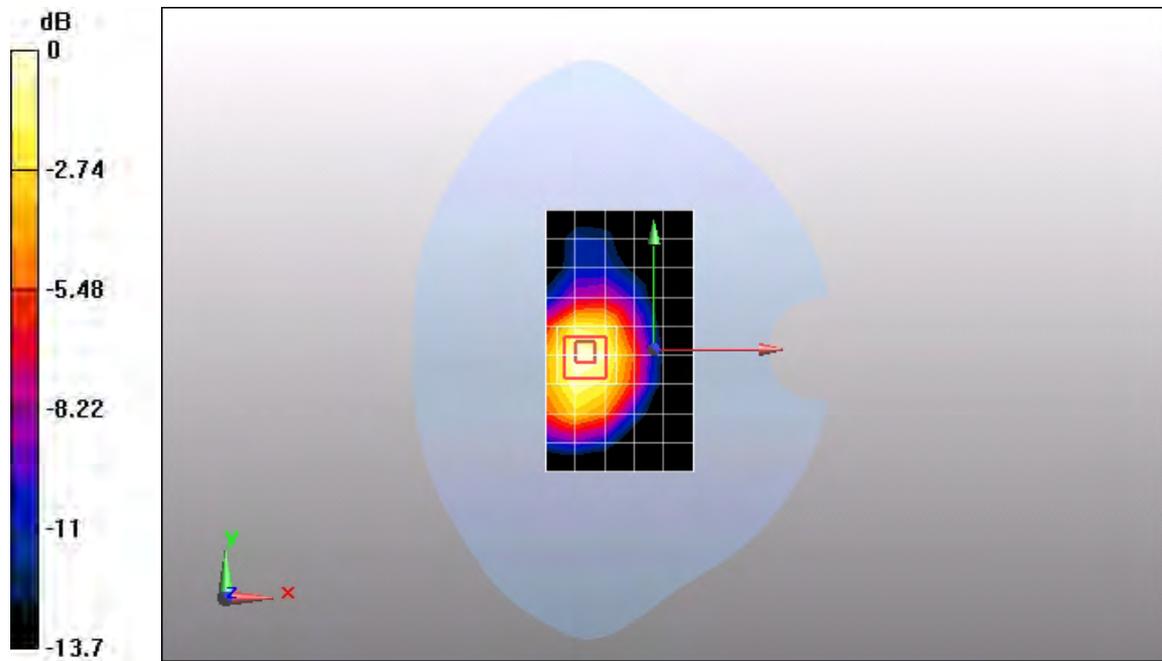
Reference Value = 18.3 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.531 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #0 20175CH Left side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.770 mW/g

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

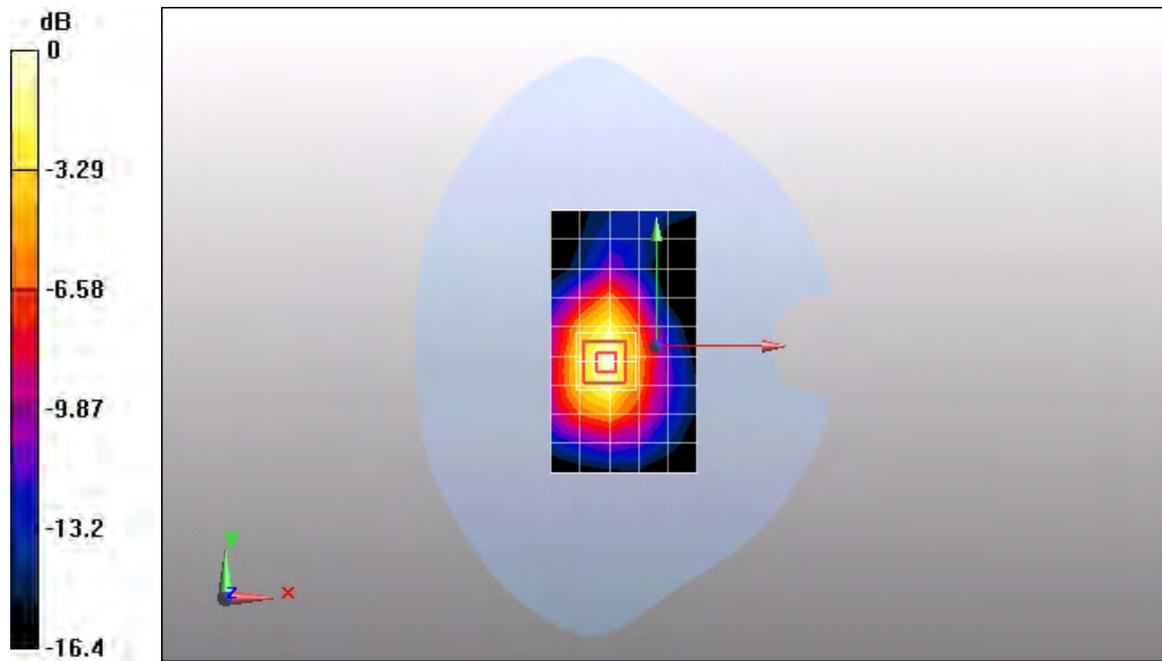
Reference Value = 18.6 V/m; Power Drift = 0.126 dB

Peak SAR (extrapolated) = 1.24 W/kg

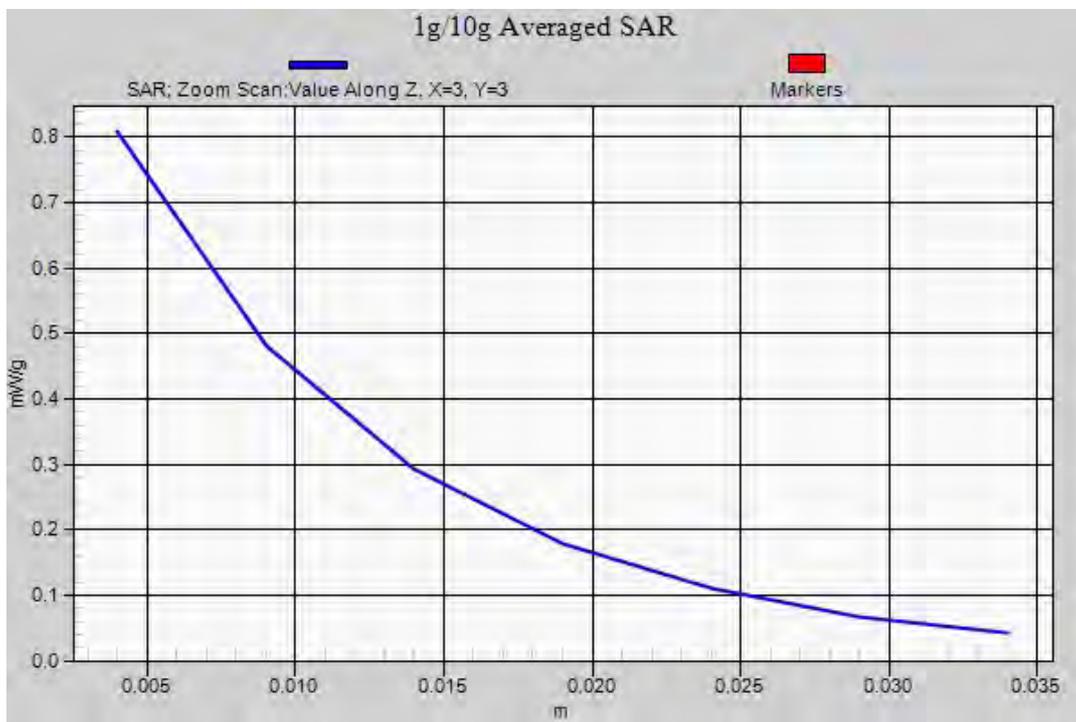
SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.402 mW/g

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

Maximum value of SAR (measured) = 0.808 mW/g



0 dB = 0.808mW/g



Date/Time: 7/17/2011 22:30:23, Date/Time: 7/17/2011 22:41:39

Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #0 20175CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

Probe: ES3DV3 -SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011

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 (8x14x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.31 mW/g

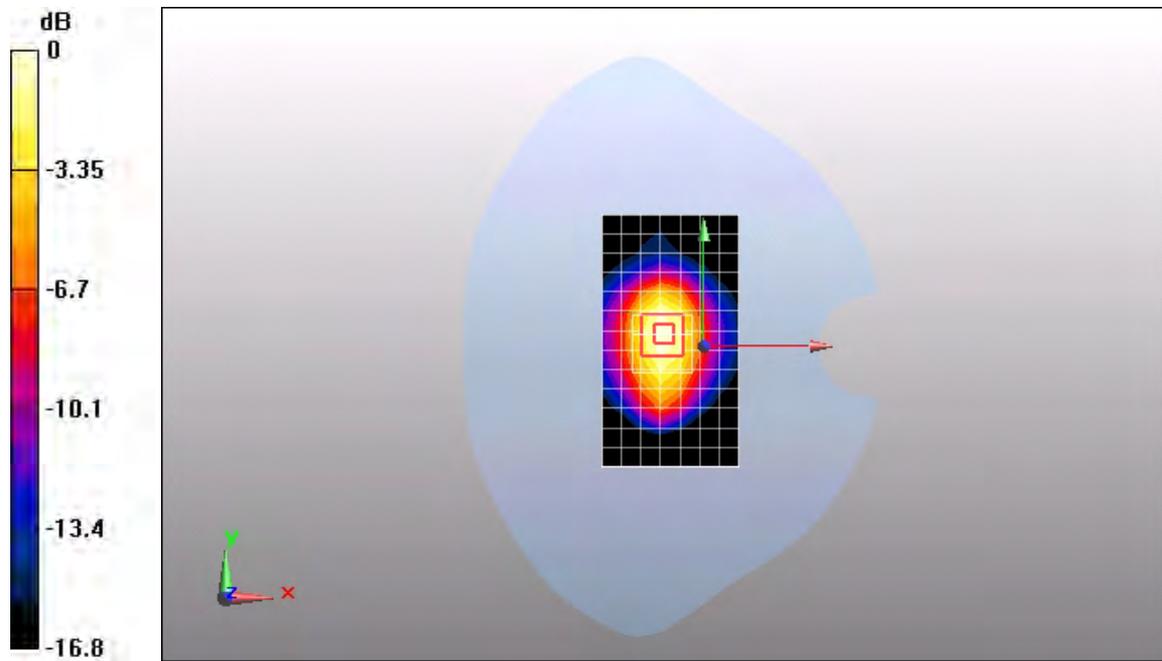
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.3 V/m; Power Drift = 0.188 dB Peak SAR (extrapolated) = 2 W/kg

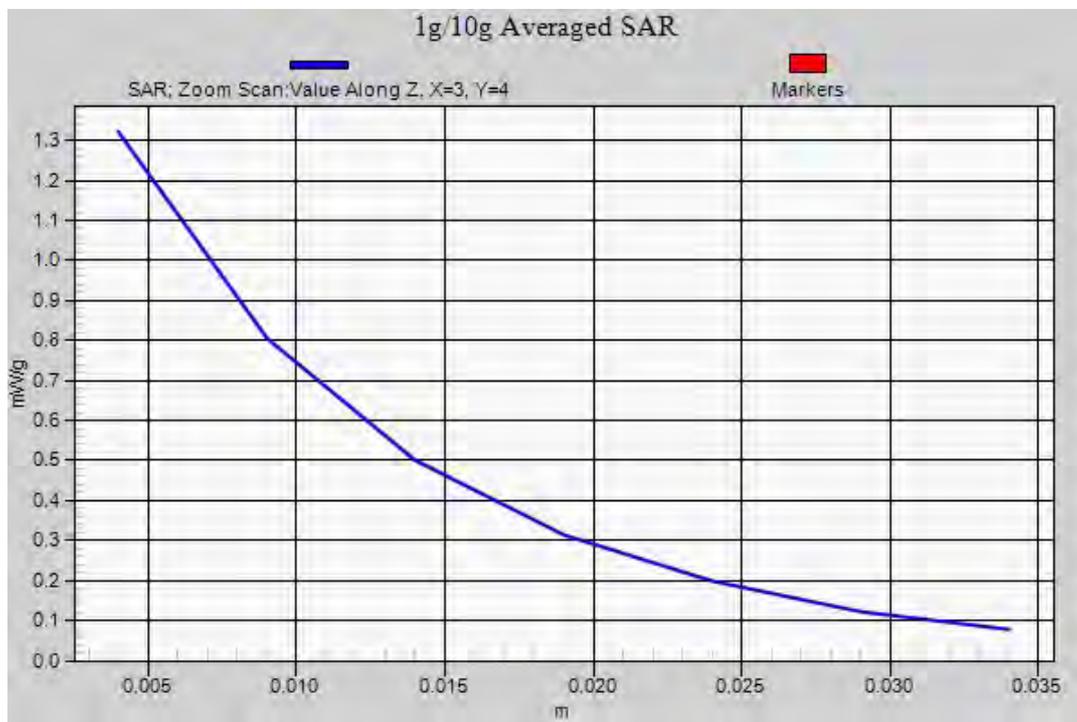
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.666 mW/g

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

Maximum value of SAR (measured) = 1.32 mW/g



0 dB = 1.32mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #0 20175CH Top side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.055 mW/g

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

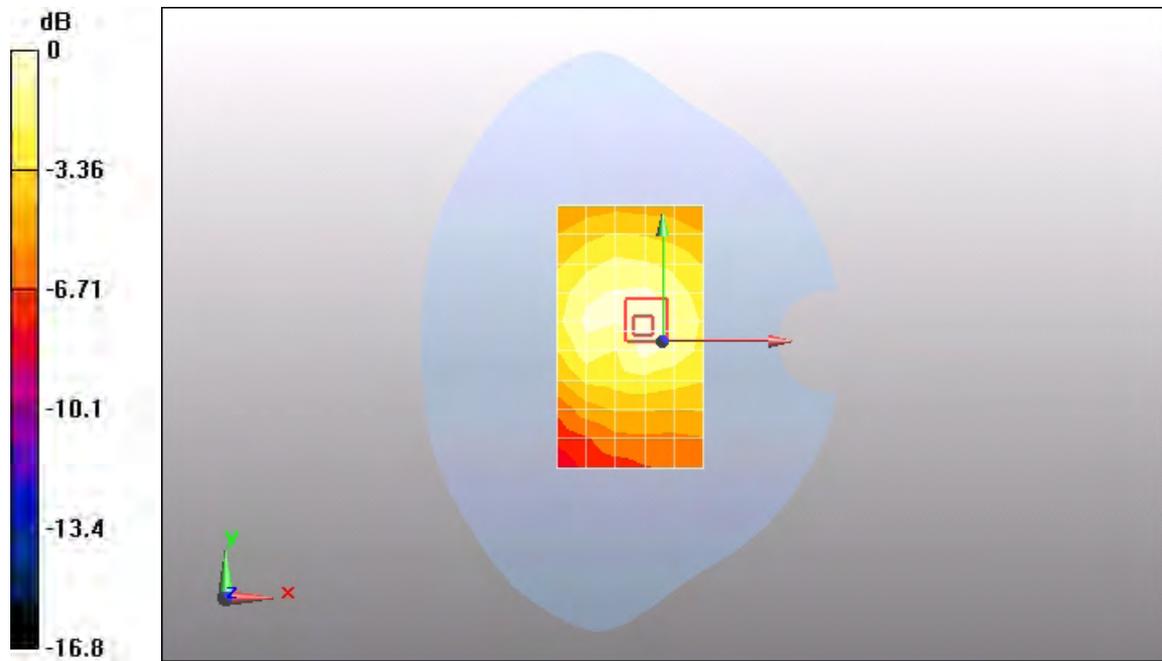
Reference Value = 5.67 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.083 W/kg

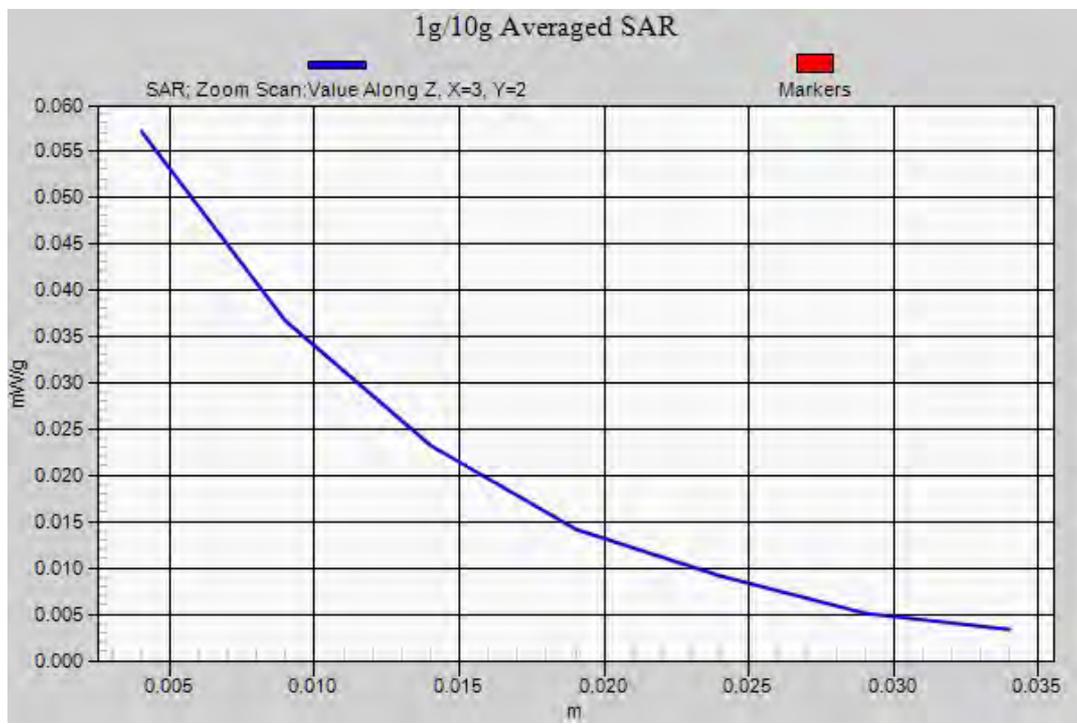
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.033 mW/g

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

Maximum value of SAR (measured) = 0.057 mW/g



0 dB = 0.057mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #49 20350CH Front side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.933 mW/g

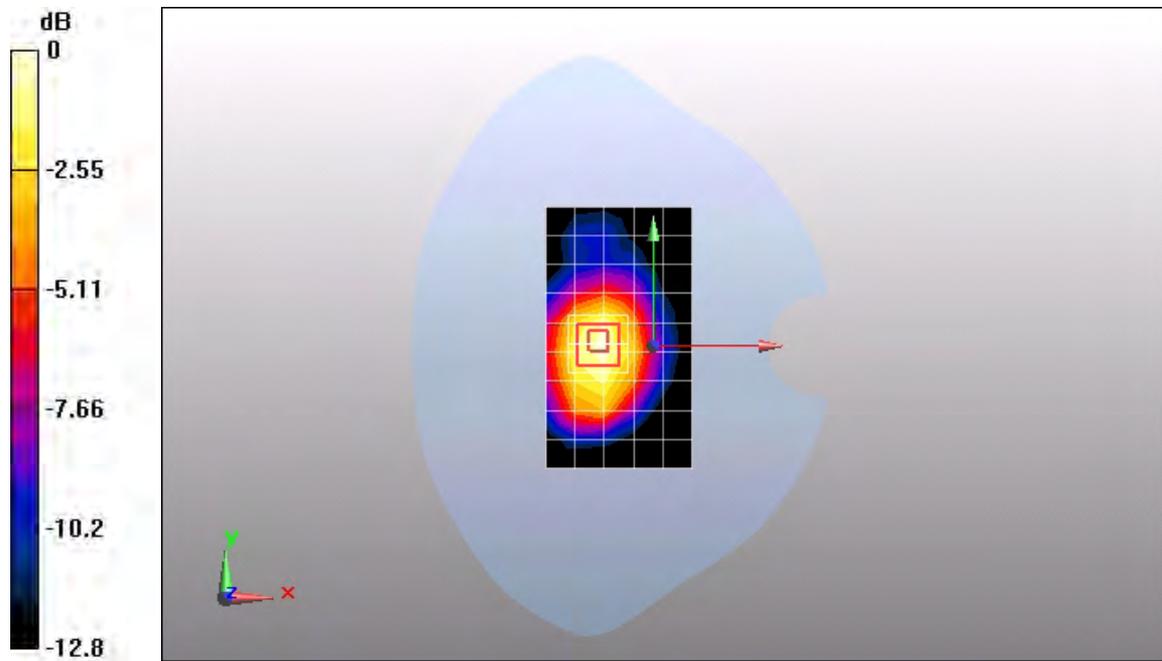
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.6 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.579 mW/g

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



0 dB = 1.02mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #49 20350CH Back side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.642 mW/g

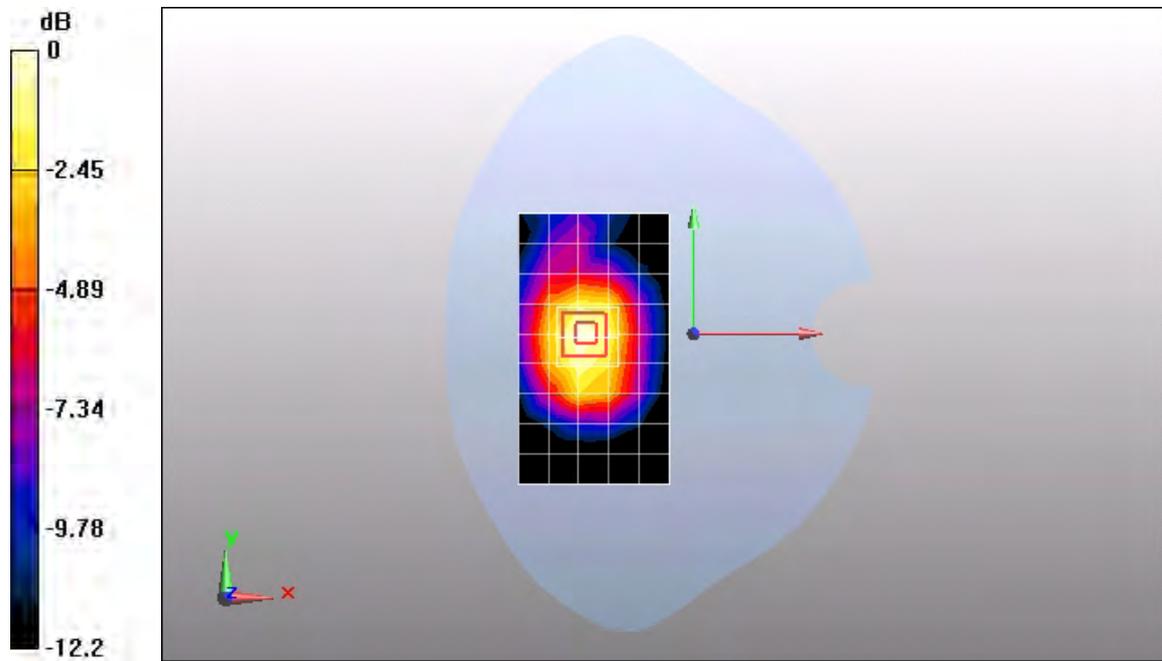
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.24 V/m; Power Drift = 0.086 dB

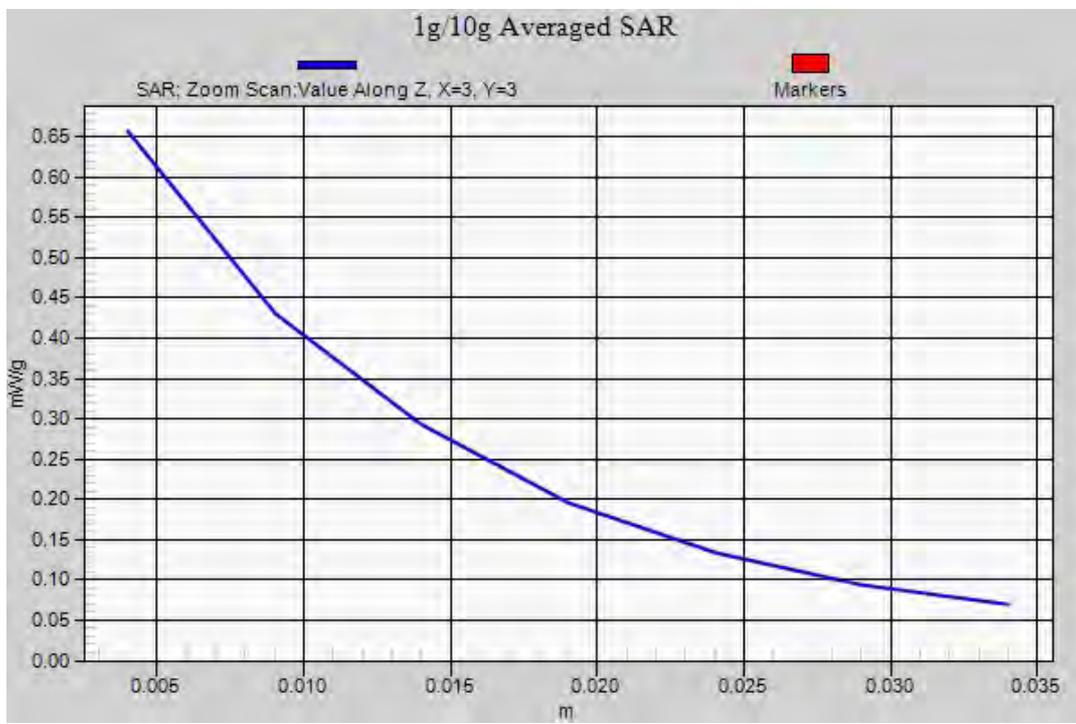
Peak SAR (extrapolated) = 0.952 W/kg

SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.382 mW/g

Maximum value of SAR (measured) = 0.656 mW/g



0 dB = 0.656mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #49 20350CH Left side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 0.738 mW/g

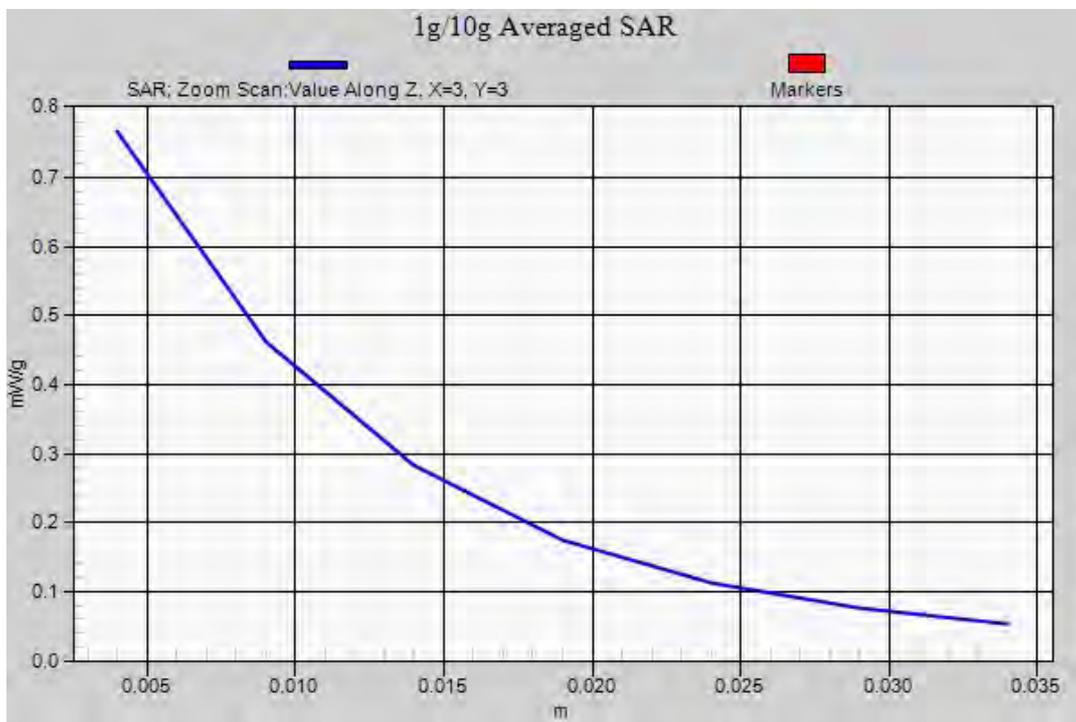
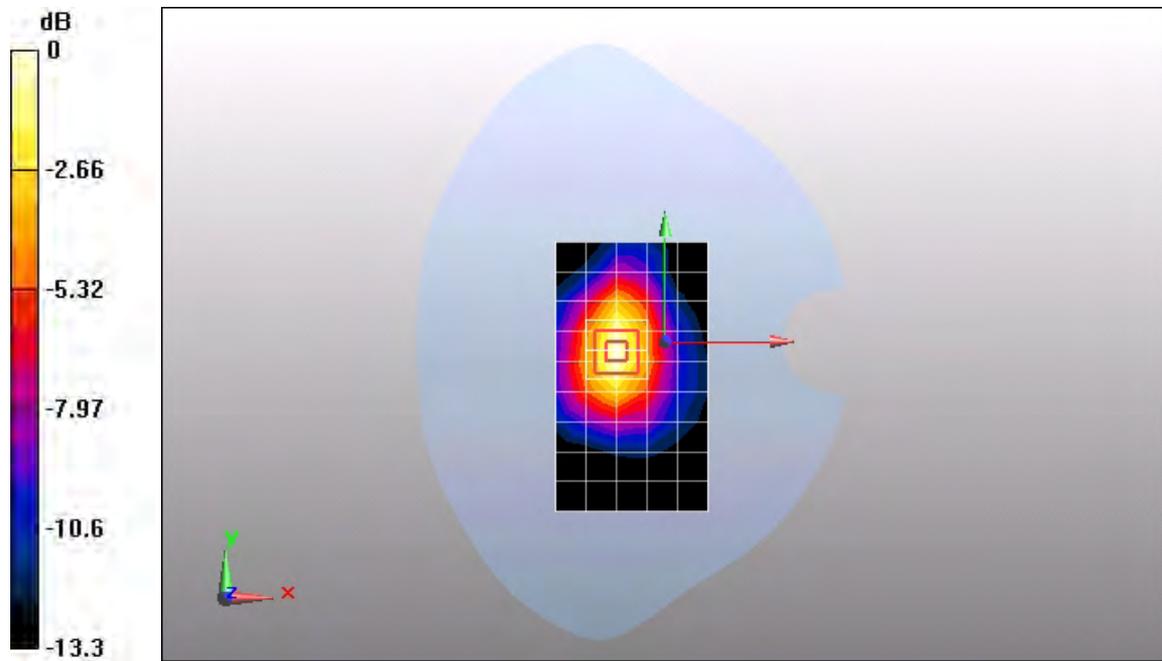
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.1 V/m; Power Drift = 0.173 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (measured) = 0.766 mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #49 20350CH Right side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASYS, 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) = 1.01 mW/g

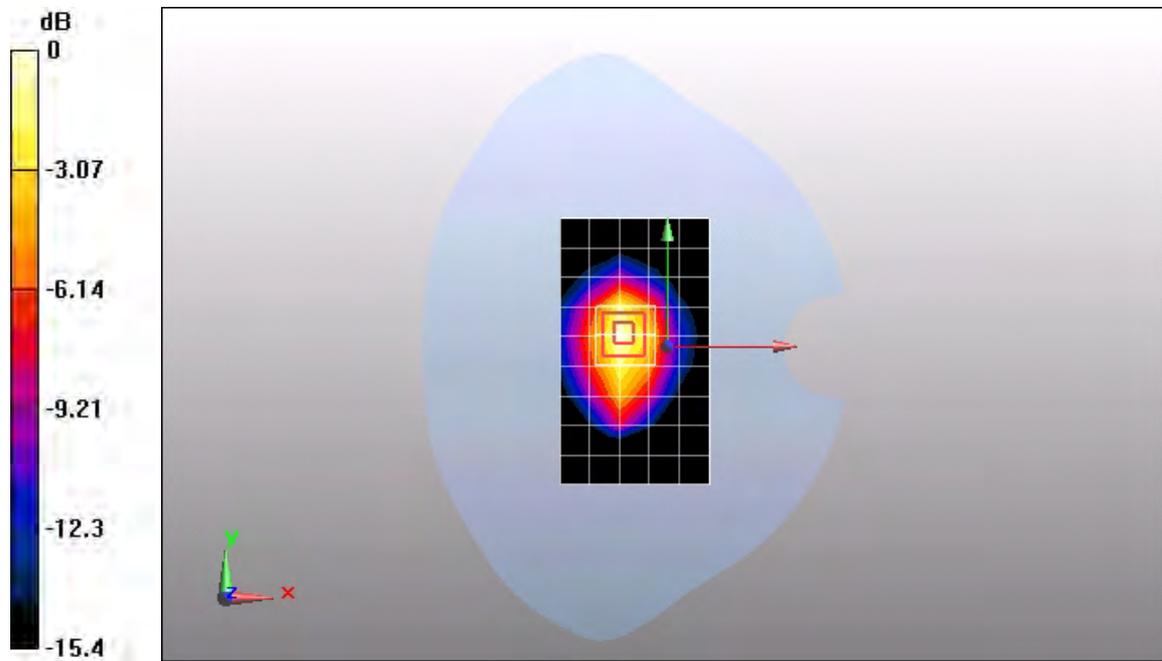
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.4 V/m; Power Drift = 0.180 dB

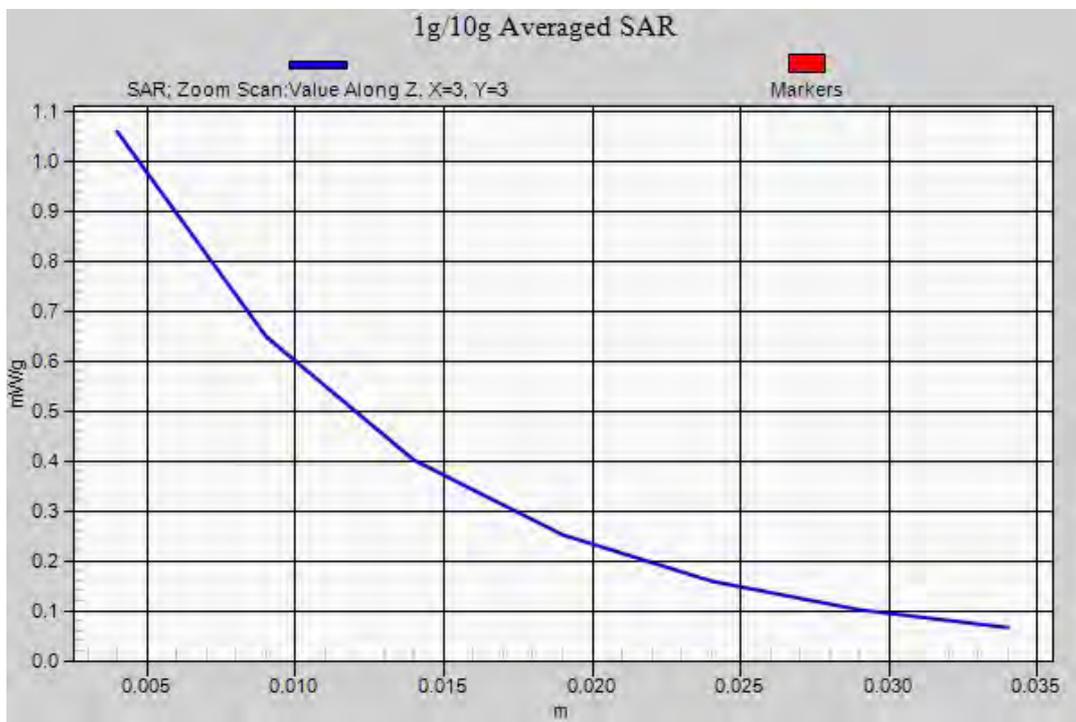
Peak SAR (extrapolated) = 1.6 W/kg

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.527 mW/g

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



0 dB = 1.06mW/g



Test Laboratory: HUAWEI SAR Lab

E397u-53 LTE1700 10M 16QAM 1RB #49 20350CH Top side 5mm

DUT: E397u-53; Type: LTE Multi-mode USB Rotator; Serial: 357149040003968

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 1750 MHz

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 0.071 mW/g

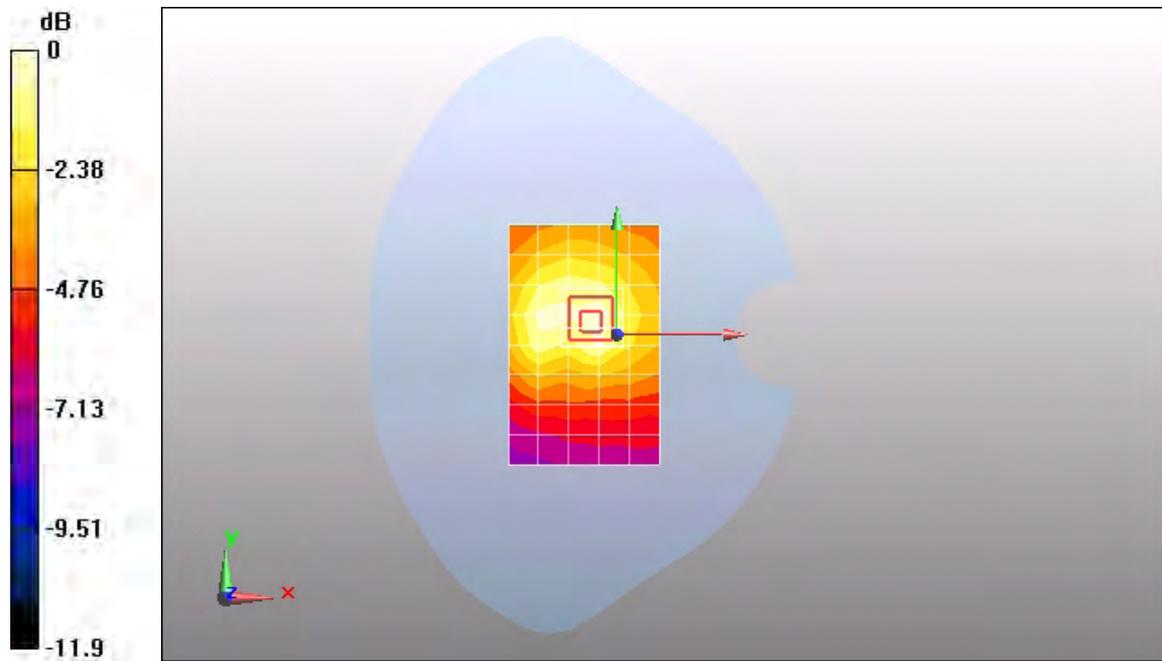
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.75 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.044 mW/g

Maximum value of SAR (measured) = 0.075 mW/g



0 dB = 0.075mW/g

