



## Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA800 1013CH Front Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 824.7 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 56.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.992 mW/g

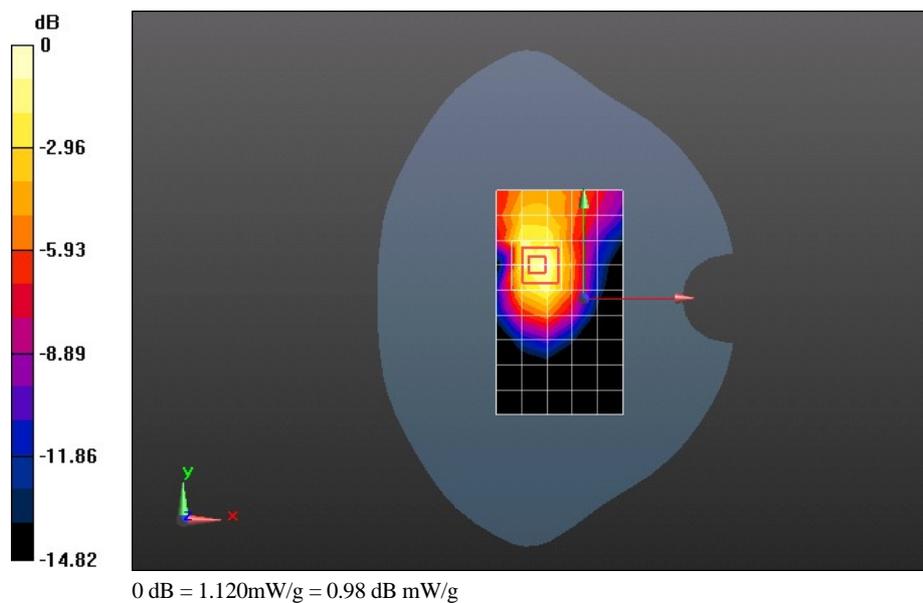
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.521 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.9570

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.601 mW/g**

Maximum value of SAR (measured) = 1.123 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA800 384CH Front Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 836.52 MHz

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 56.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.963 mW/g

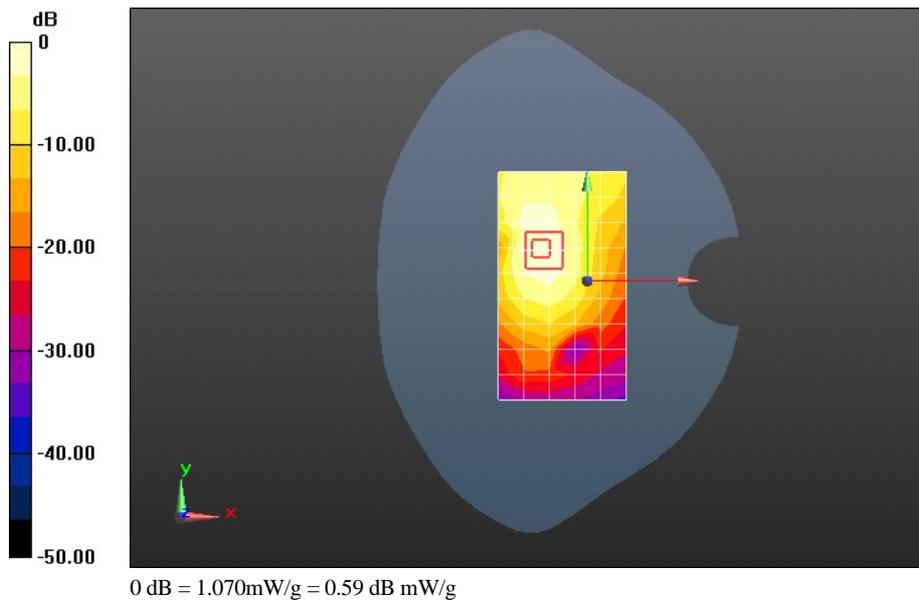
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.142 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.8410

**SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.565 mW/g**

Maximum value of SAR (measured) = 1.074 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA800 777CH Front Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 848.31 MHz

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 1.009$  mho/m;  $\epsilon_r = 56.334$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.874 mW/g

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

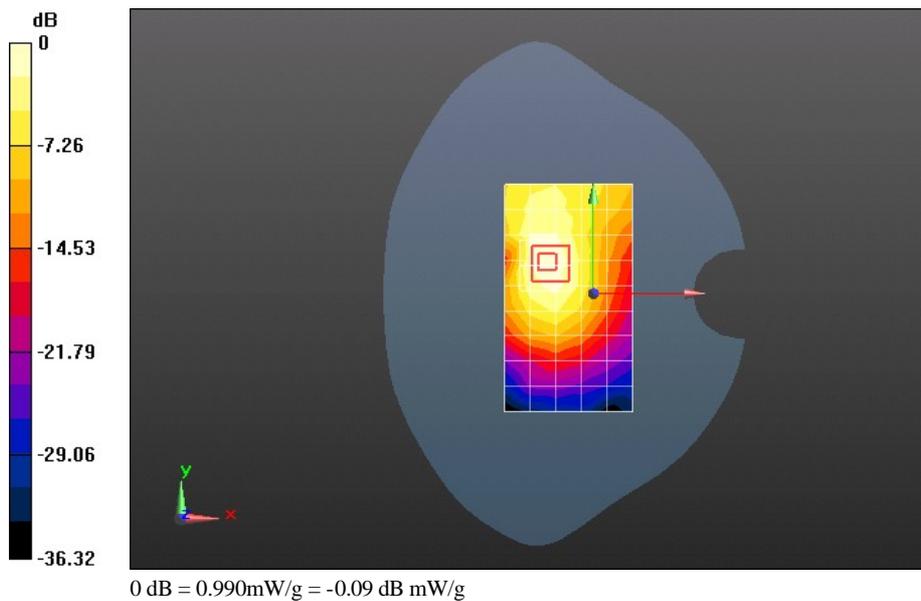
Reference Value = 22.848 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.6480

**SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.522 mW/g**

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

Maximum value of SAR (measured) = 0.986 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 CDMA800 1013CH Rear Side 5mm with EVDO Rev.0**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 824.7 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 56.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.074 mW/g

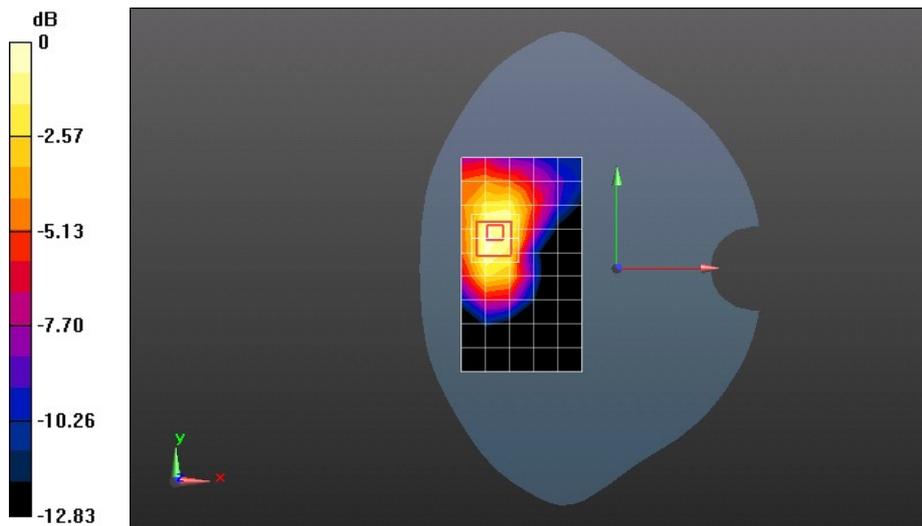
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.722 V/m; Power Drift = 0.05 dB

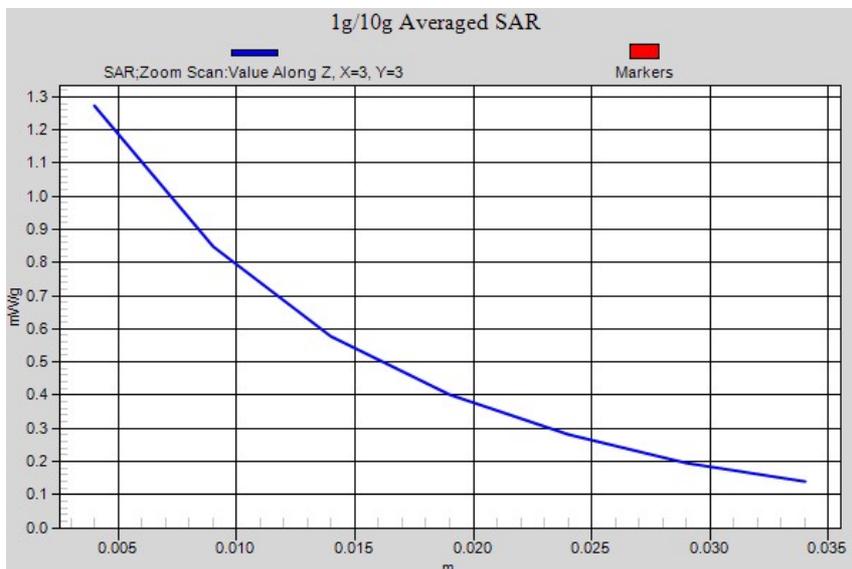
Peak SAR (extrapolated) = 3.2390

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.735 mW/g**

Maximum value of SAR (measured) = 1.272 mW/g



0 dB = 1.270mW/g = 2.08 dB mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 CDMA800 384CH Rear Side 5mm with EVDO Rev.0**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 836.52 MHz

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 56.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.032 mW/g

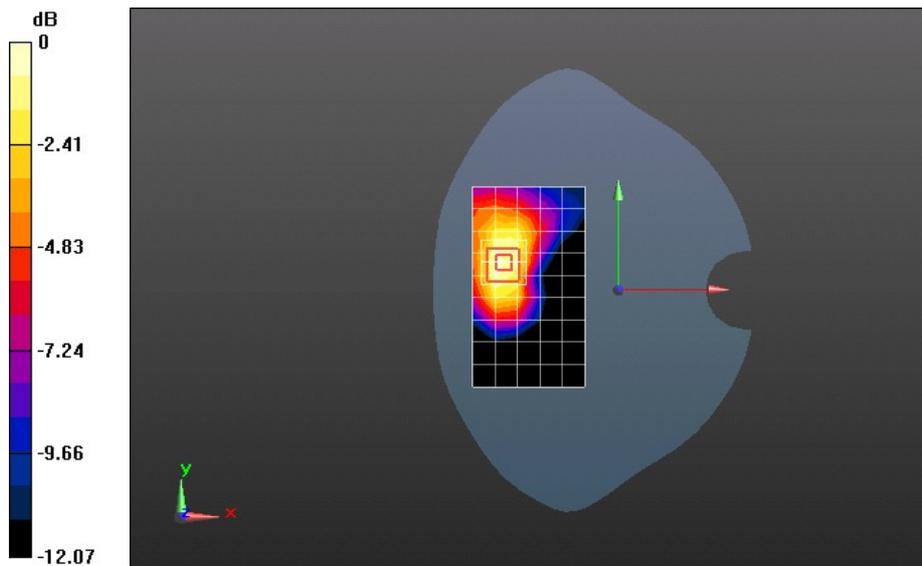
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.537 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.6660

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.684 mW/g**

Maximum value of SAR (measured) = 1.188 mW/g



0 dB = 1.190mW/g = 1.51 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA800 777CH Rear Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 848.31 MHz

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 1.009$  mho/m;  $\epsilon_r = 56.334$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 1.011 mW/g

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

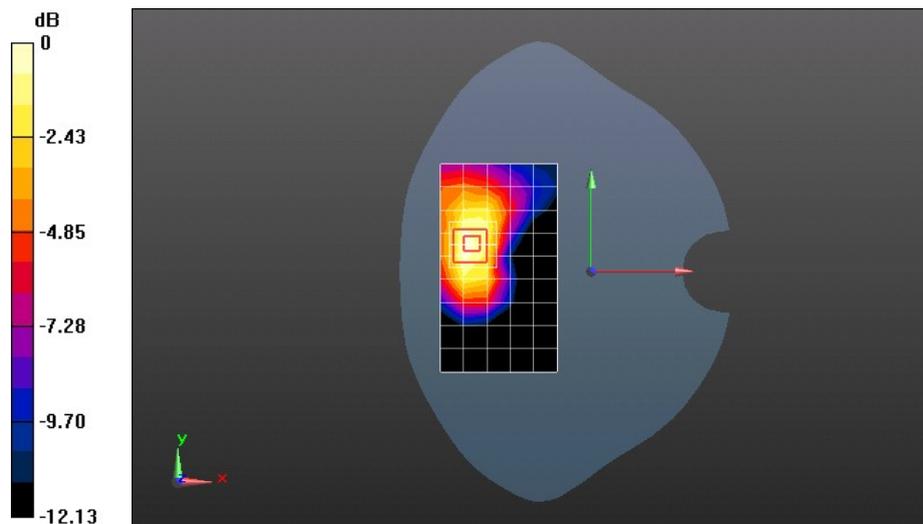
Reference Value = 2.405 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.5530

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.639 mW/g**

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

Maximum value of SAR (measured) = 1.114 mW/g



0 dB = 1.110mW/g = 0.91 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA800 384CH Left Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 836.52 MHz

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 56.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.555 mW/g

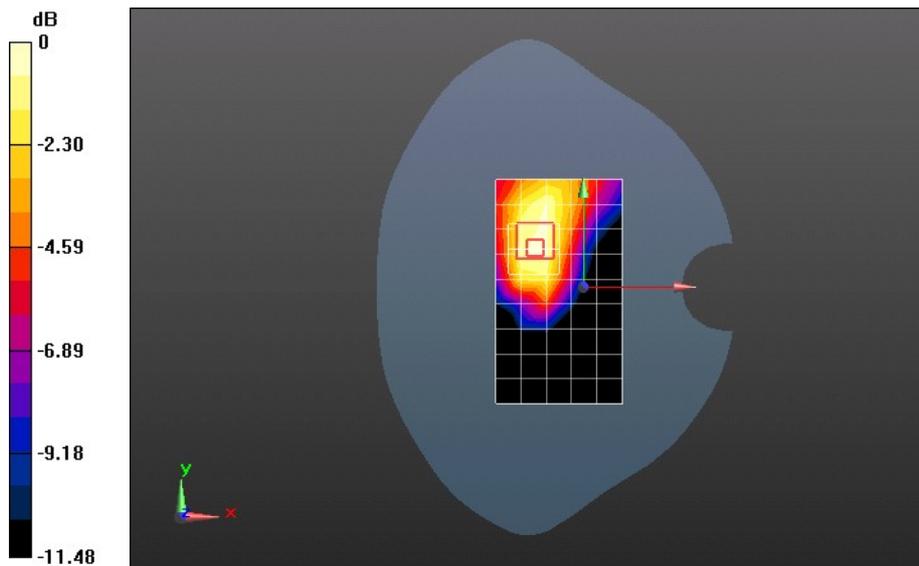
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.366 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.9260

**SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.375 mW/g**

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



0 dB = 0.630mW/g = -4.01 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA800 384CH Right Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 836.52 MHz

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 56.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.210 mW/g

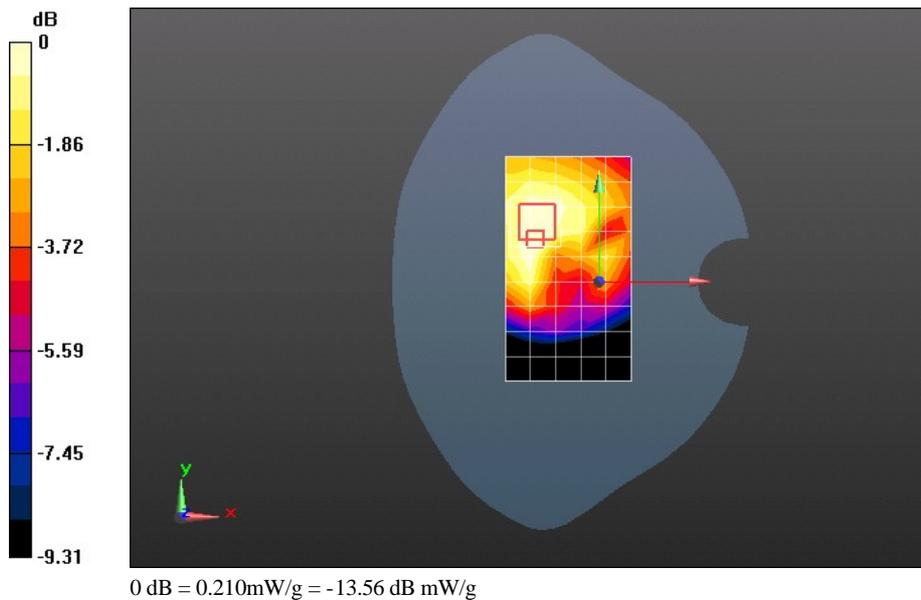
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.251 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.8840

**SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.213 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA800 1013CH Rear Side 5mm with EVDO Rev.A

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 824.7 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 56.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

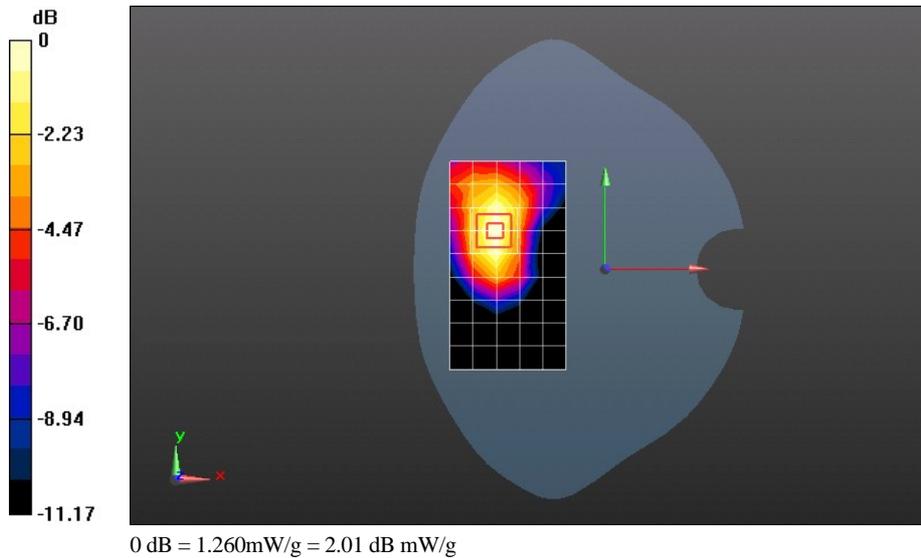
Maximum value of SAR (measured) = 1.265 mW/g

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

Reference Value = 4.271 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.3210

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.747 mW/g**



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA800 1013CH Rear Side 5mm with 1XRTT

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 824.7 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 56.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.272 mW/g

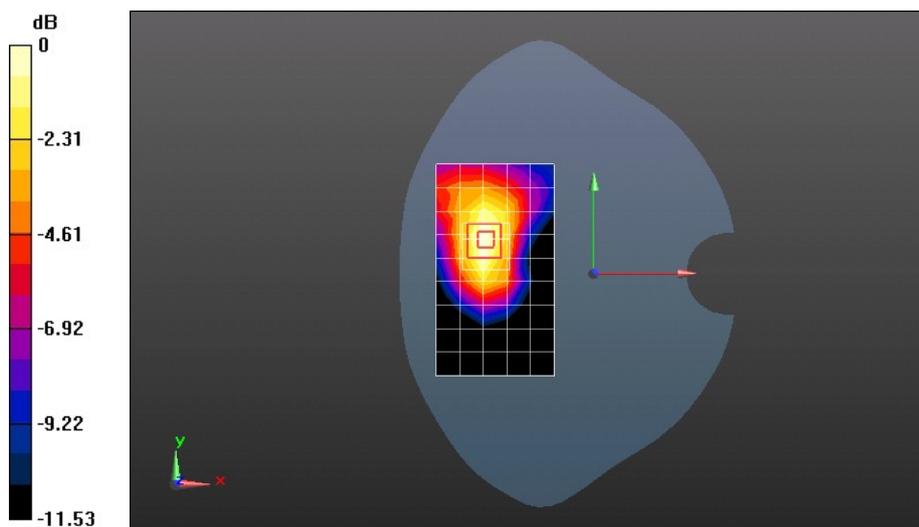
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.431 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.7790

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.741 mW/g**

Maximum value of SAR (measured) = 1.264 mW/g



0 dB = 1.260mW/g = 2.01 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1700 25CH Front Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1711.25 MHz

Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.148$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.757 mW/g

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

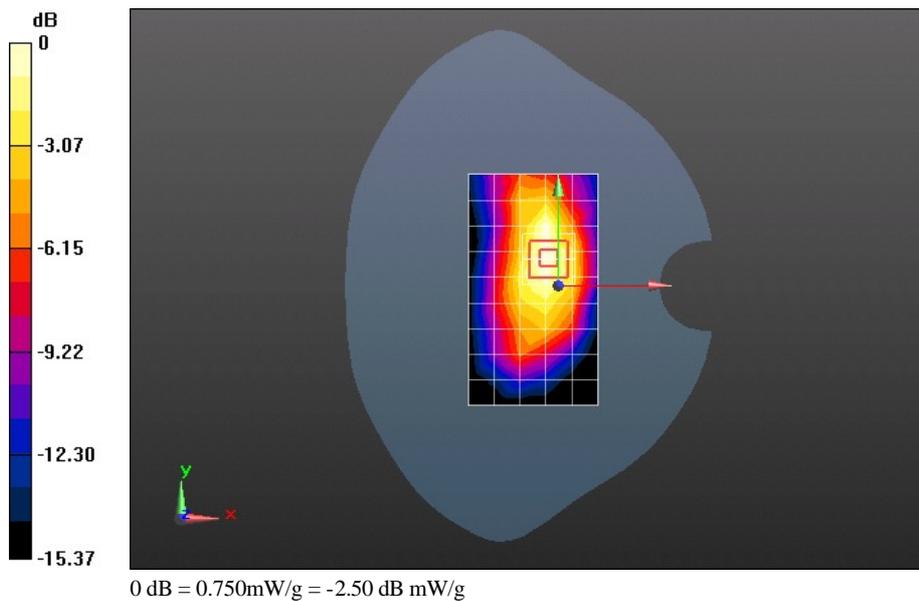
Reference Value = 18.679 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.2500

**SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.402 mW/g**

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

Maximum value of SAR (measured) = 0.750 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 CDMA1700 450CH Front Side 5mm with EVDO Rev.0**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.044 mW/g

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

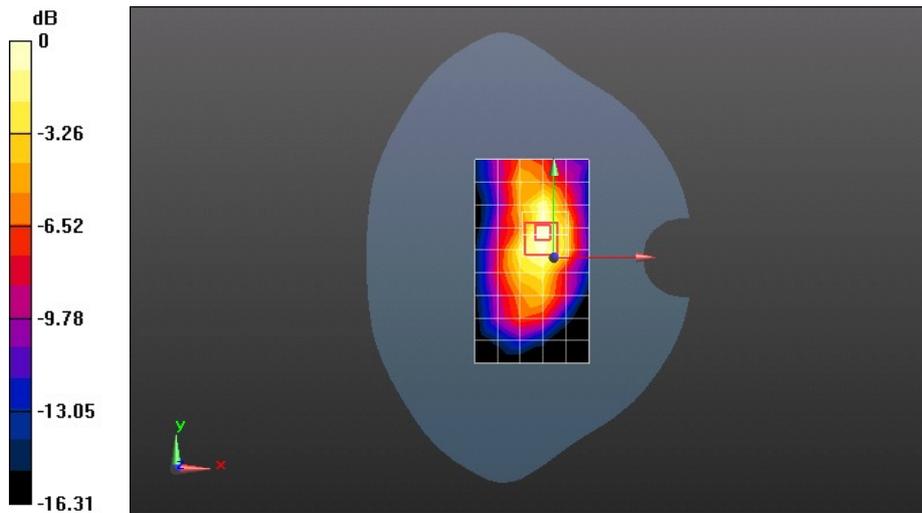
Reference Value = 21.834 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.7000

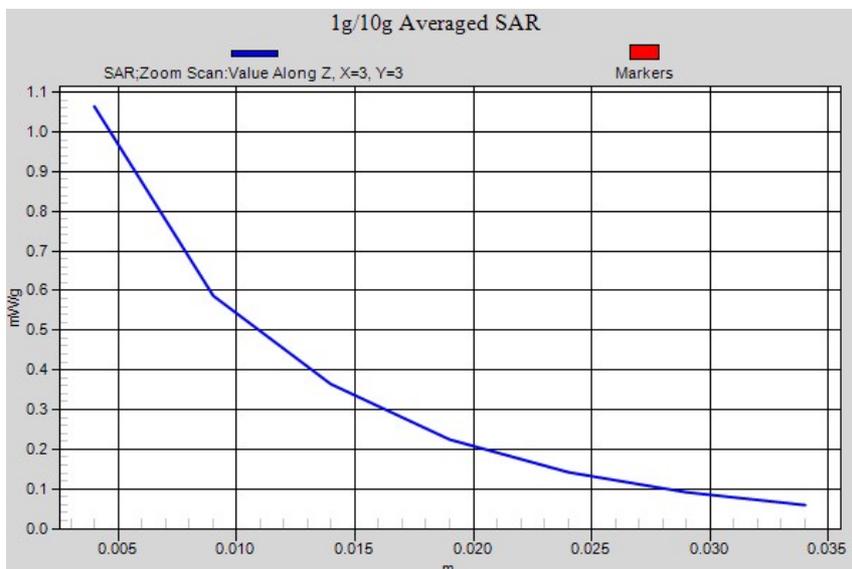
**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.518 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.063 mW/g



0 dB = 1.060mW/g = 0.51 dB mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1700 850CH Front Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1752.5 MHz

Medium parameters used (interpolated):  $f = 1752.5$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 53.126$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.944 mW/g

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

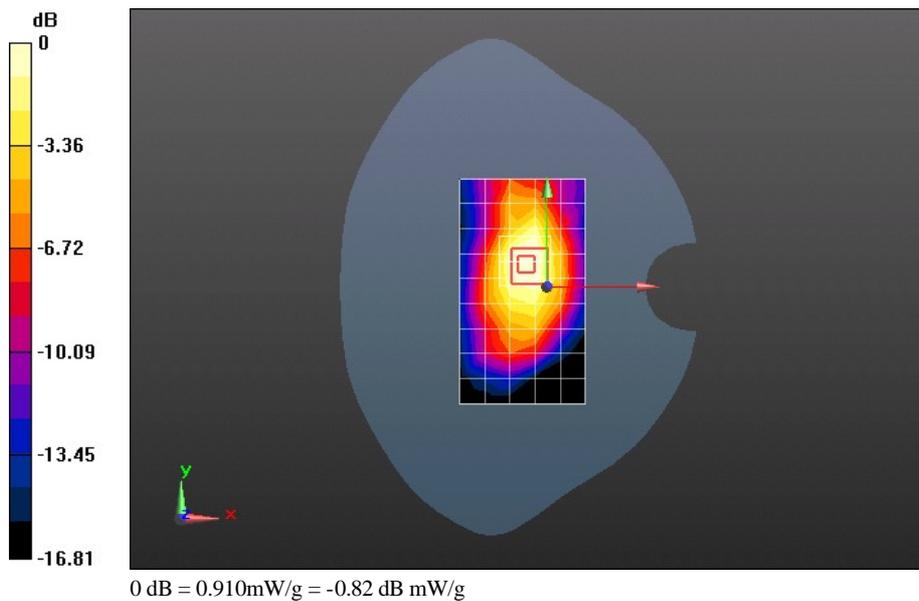
Reference Value = 22.764 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.4200

**SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.495 mW/g**

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

Maximum value of SAR (measured) = 0.912 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1700 450CH Rear Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

Reference Value = 5.804 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.3540

**SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.398 mW/g**

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

Maximum value of SAR (measured) = 0.848 mW/g

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

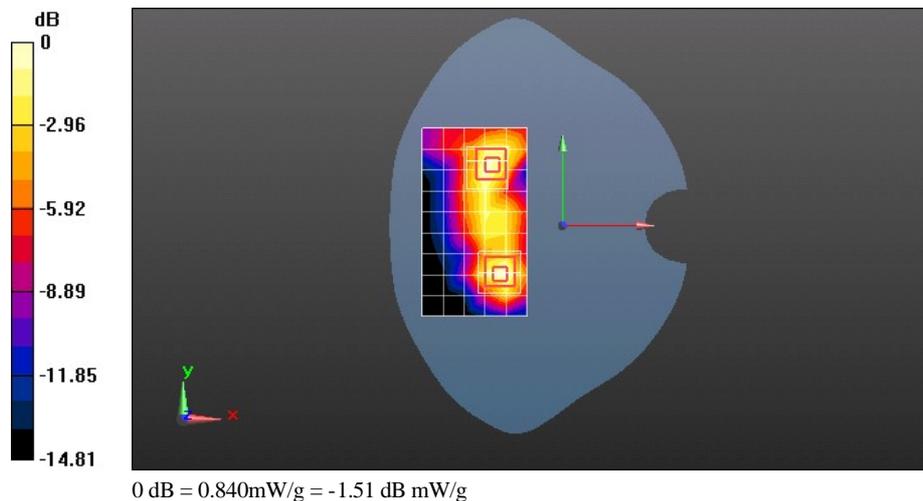
Reference Value = 5.804 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.2030

**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.407 mW/g**

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

Maximum value of SAR (measured) = 0.839 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1700 25CH Left Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1711.25 MHz

Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.148$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

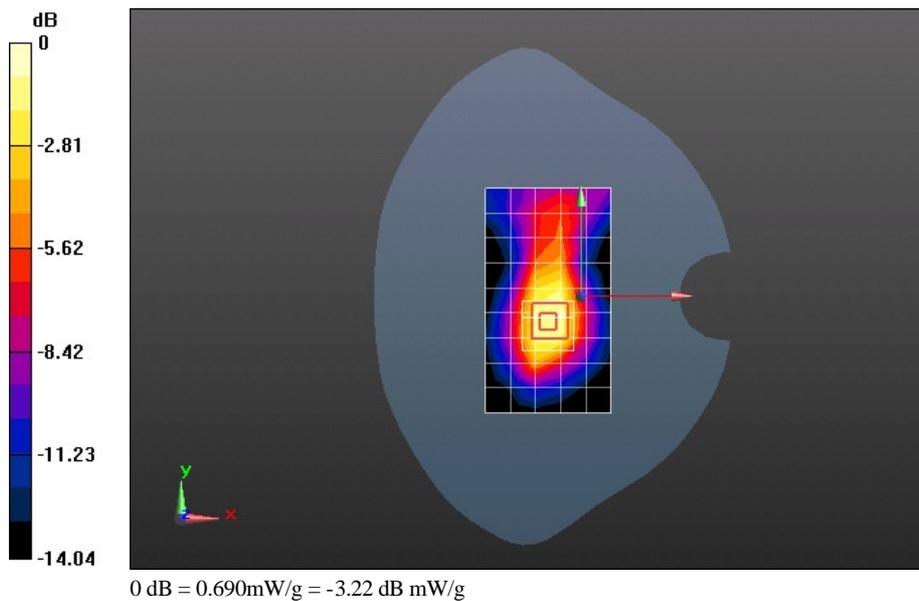
Reference Value = 20.596 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.0200

**SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.374 mW/g**

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

Maximum value of SAR (measured) = 0.688 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1700 450CH Left Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.835 mW/g

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

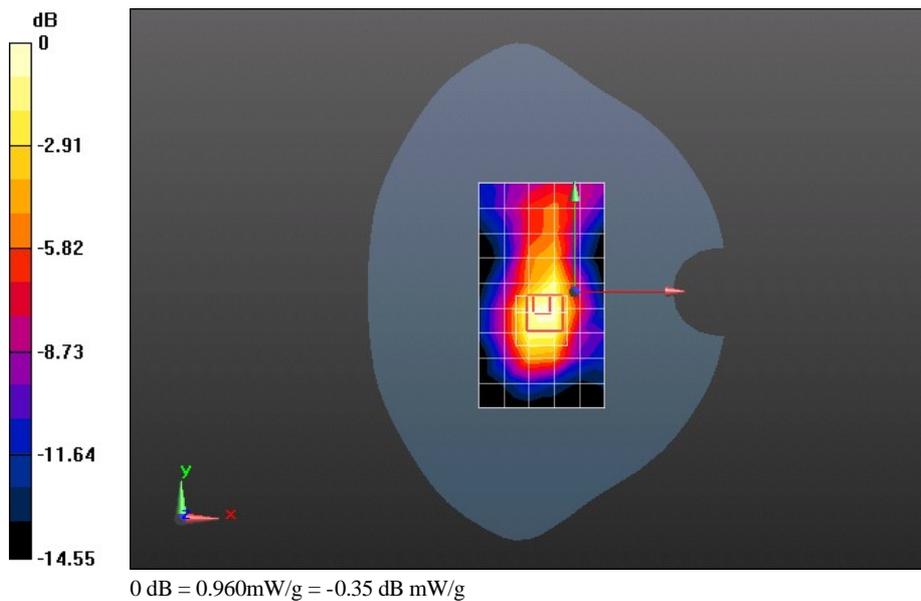
Reference Value = 33.612 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.3540

**SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.491 mW/g**

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

Maximum value of SAR (measured) = 0.962 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1700 850CH Left Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1752.5 MHz

Medium parameters used (interpolated):  $f = 1752.5$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 53.126$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.726 mW/g

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

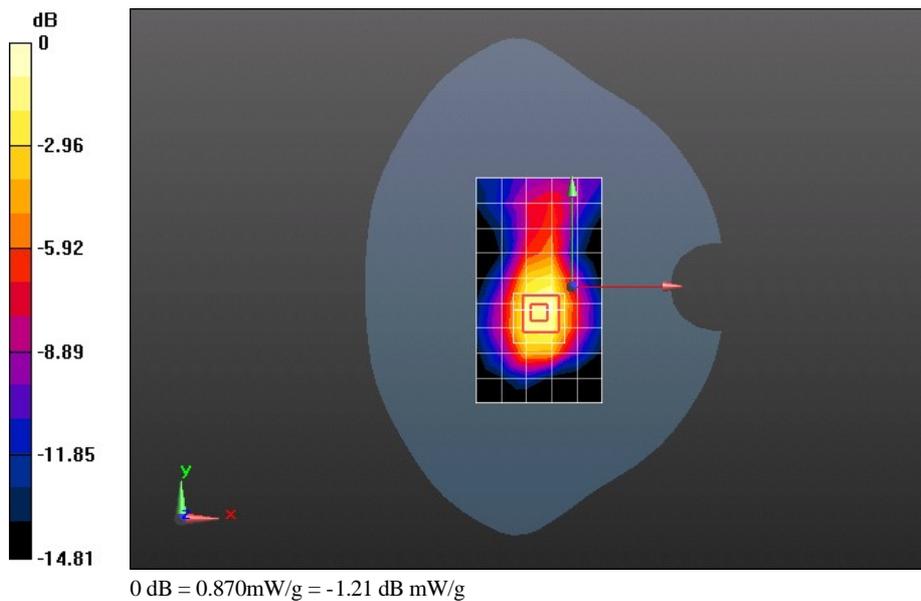
Reference Value = 21.966 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.2810

**SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.463 mW/g**

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

Maximum value of SAR (measured) = 0.869 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1700 450CH Right Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.193 mW/g

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

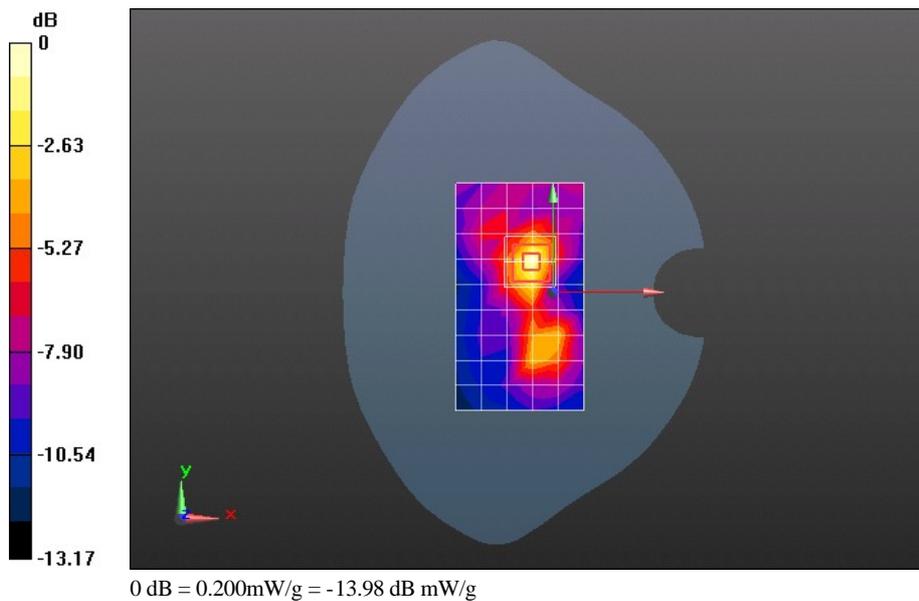
Reference Value = 7.387 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.3750

**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.082 mW/g**

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

Maximum value of SAR (measured) = 0.195 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1700 450CH Front Side 5mm with EVDO Rev.A

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.938 mW/g

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

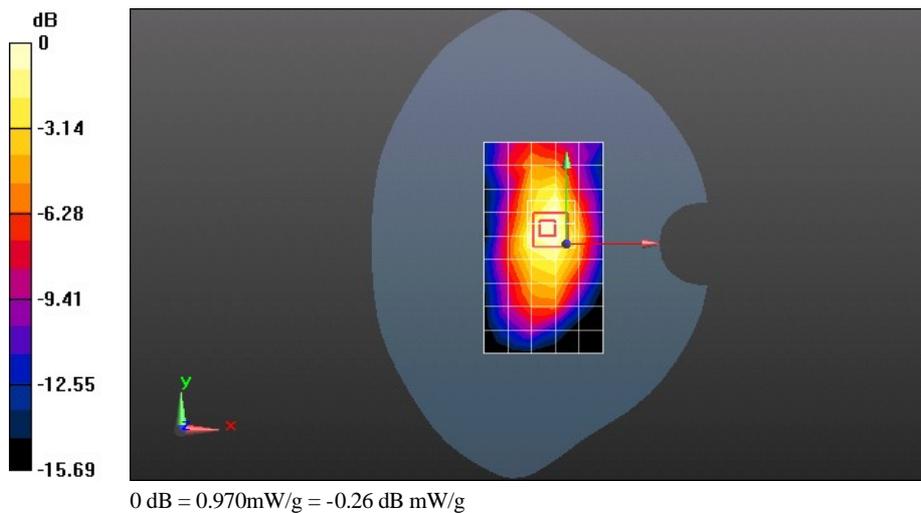
Reference Value = 24.437 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.5200

**SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.527 mW/g**

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

Maximum value of SAR (measured) = 0.972 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 CDMA1700 450CH Front Side 5mm with 1XRTT**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1732.5 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

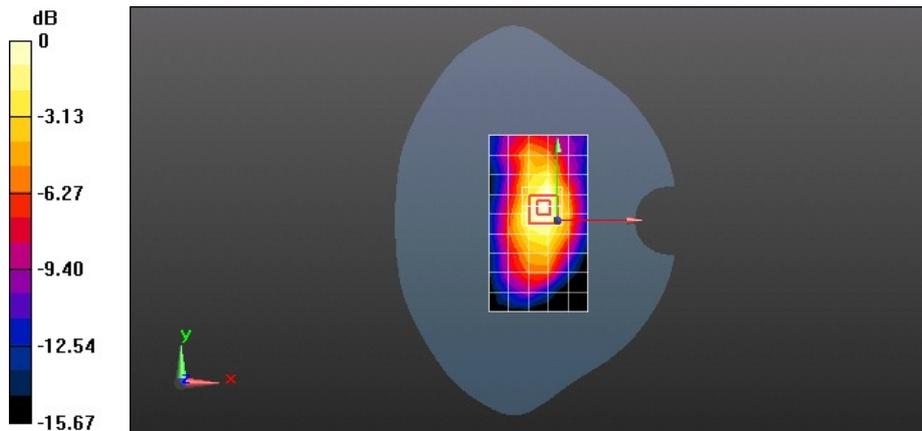
Reference Value = 24.230 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.4910

**SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.519 mW/g**

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

Maximum value of SAR (measured) = 0.953 mW/g



0 dB = 0.950mW/g = -0.45 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 25CH Front Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1851.25 MHz

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.467$  mho/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.865 mW/g

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

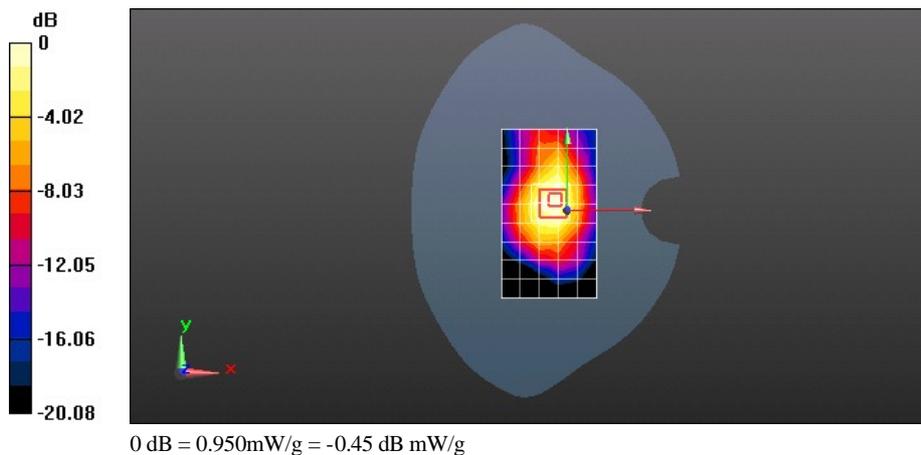
Reference Value = 24.274 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.9740

**SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.533 mW/g**

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

Maximum value of SAR (measured) = 0.950 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 600CH Front Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.496$  mho/m;  $\epsilon_r = 52.566$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.978 mW/g

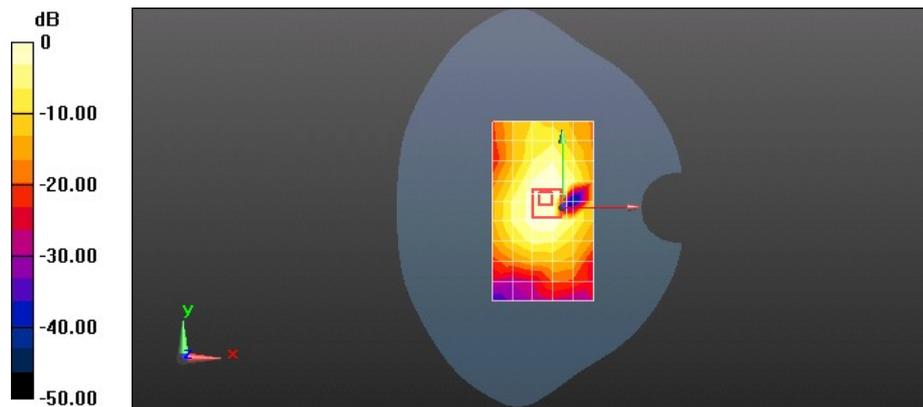
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 26.008 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.5410

**SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.572 mW/g**

Maximum value of SAR (measured) = 1.039 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 1175CH Front Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1908.75 MHz

Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.064 mW/g

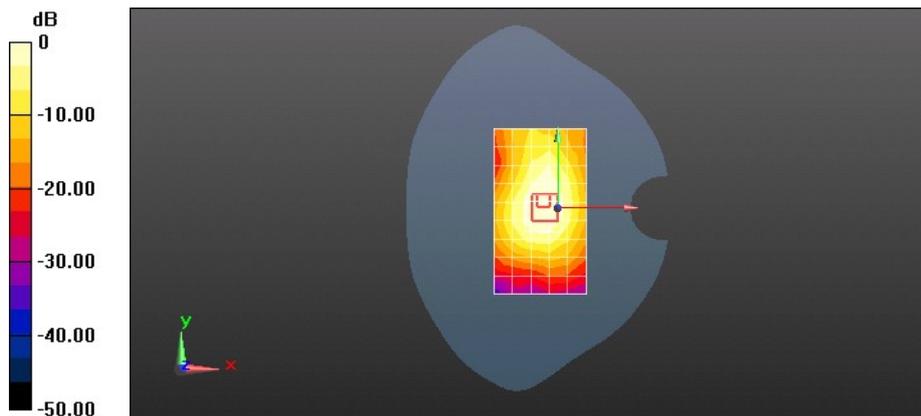
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 26.722 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.6930

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.592 mW/g**

Maximum value of SAR (measured) = 1.106 mW/g



0 dB = 1.110mW/g = 0.91 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 25CH Rear Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1851.25 MHz

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.467$  mho/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

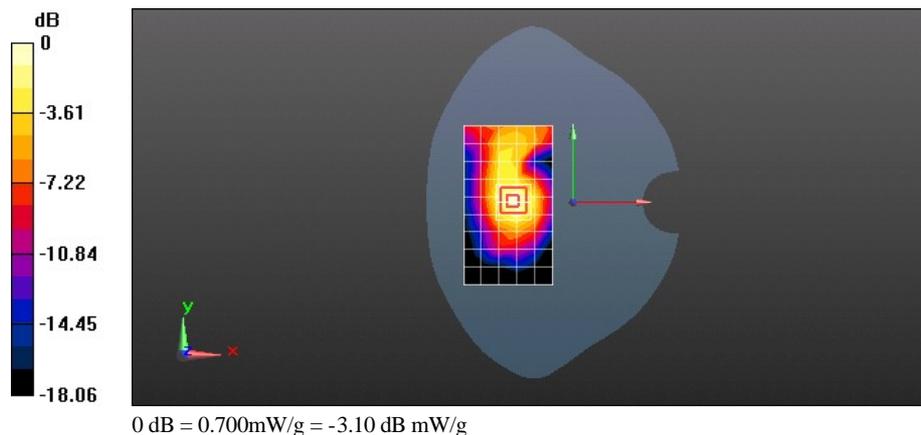
Reference Value = 6.494 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.9830

**SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.375 mW/g**

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

Maximum value of SAR (measured) = 0.701 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 600CH Rear Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.496$  mho/m;  $\epsilon_r = 52.566$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.856 mW/g

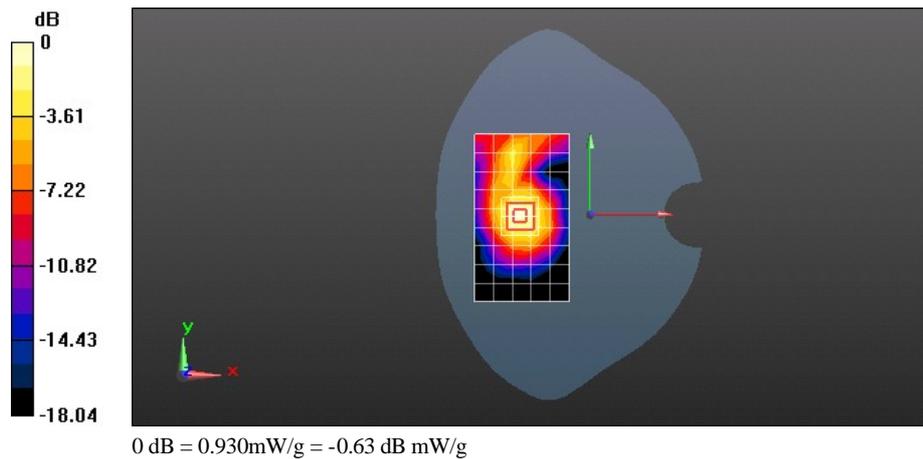
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.675 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.3330

**SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.503 mW/g**

Maximum value of SAR (measured) = 0.932 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 1175CH Rear Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1908.75 MHz

Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.932 mW/g

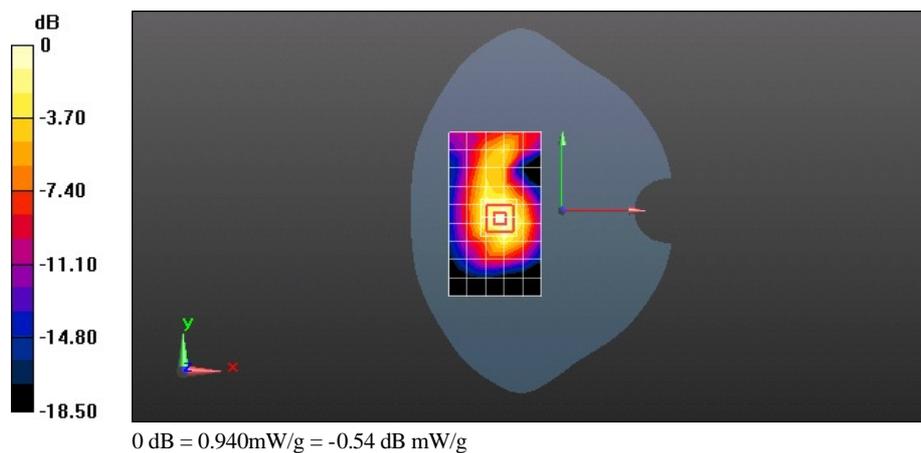
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.391 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.3560

**SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.510 mW/g**

Maximum value of SAR (measured) = 0.942 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 600CH Left Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.496$  mho/m;  $\epsilon_r = 52.566$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.670 mW/g

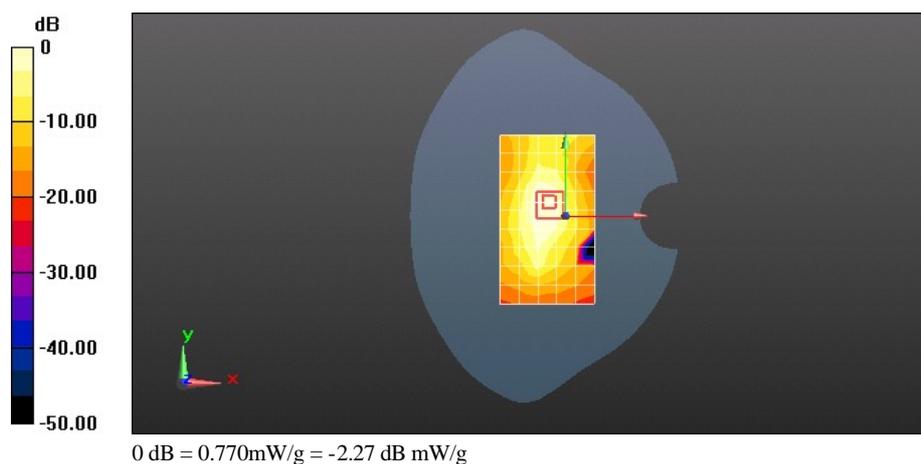
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.610 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.6000

**SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.306 mW/g**

Maximum value of SAR (measured) = 0.768 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 600CH Right Side 5mm with EVDO Rev.0

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.496$  mho/m;  $\epsilon_r = 52.566$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.371 mW/g

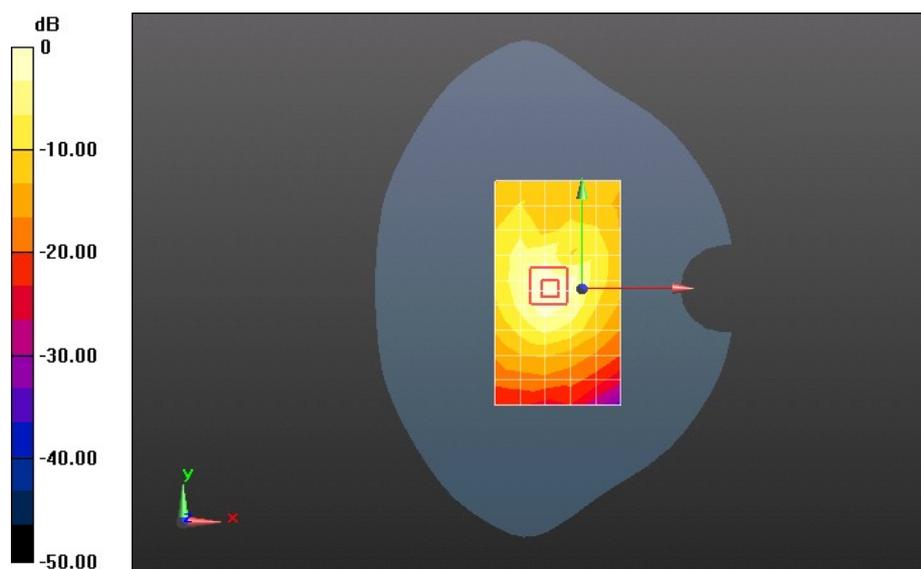
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.943 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.6040

**SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.189 mW/g**

Maximum value of SAR (measured) = 0.396 mW/g



0 dB = 0.400mW/g = -7.96 dB mW/g

Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 CDMA1900 1175CH Front Side 5mm with EVDO Rev.A**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

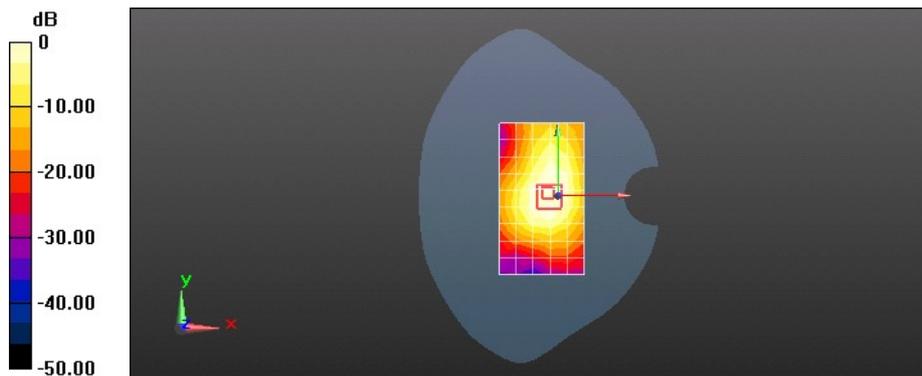
Communication System: HW-CDMA2000; Frequency: 1908.75 MHz  
 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

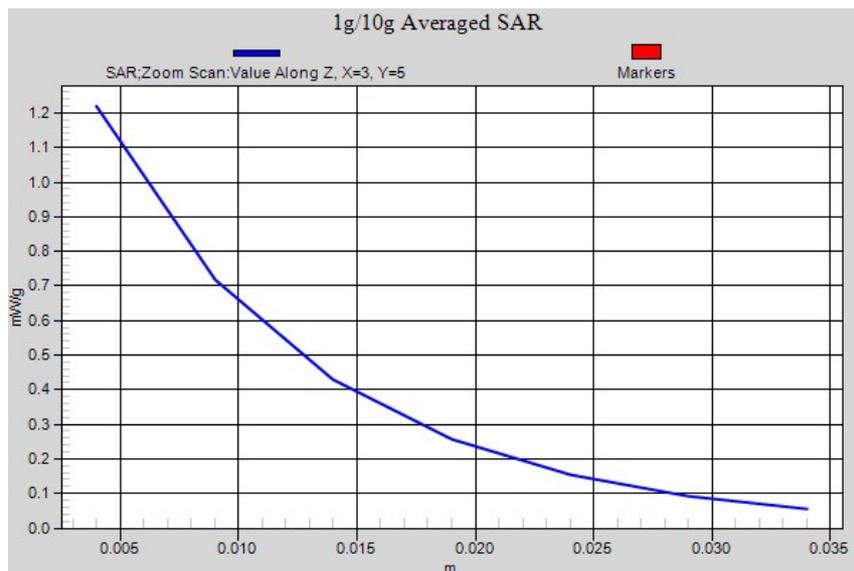
- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 1.201 mW/g

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 26.421 V/m; Power Drift = -0.10 dB  
 Peak SAR (extrapolated) = 2.0470  
**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.682 mW/g**  
 Maximum value of SAR (measured) = 1.219 mW/g



0 dB = 1.220mW/g = 1.73 dB mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 CDMA1900 1175CH Front Side 5mm with 1xRTT

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: HW-CDMA2000; Frequency: 1908.75 MHz

Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.045 mW/g

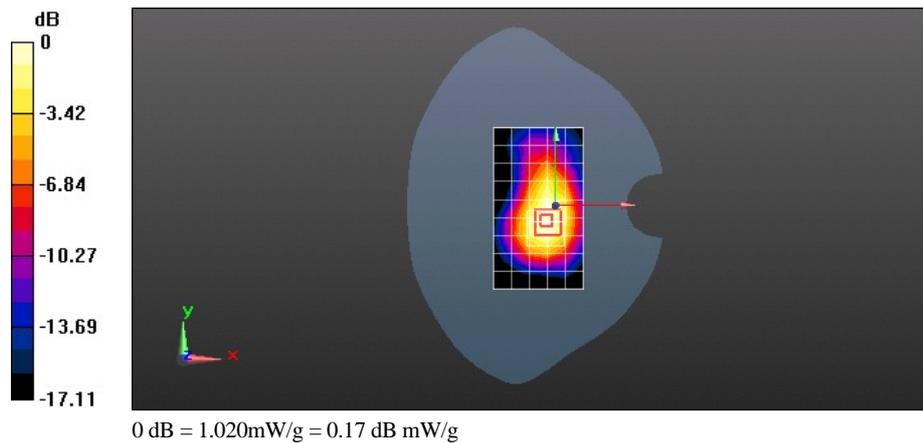
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.465 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.5480

**SAR(1 g) = 0.950 mW/g; SAR(10 g) = 0.581 mW/g**

Maximum value of SAR (measured) = 1.019 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 50%RB#13 18650H Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.869 mW/g

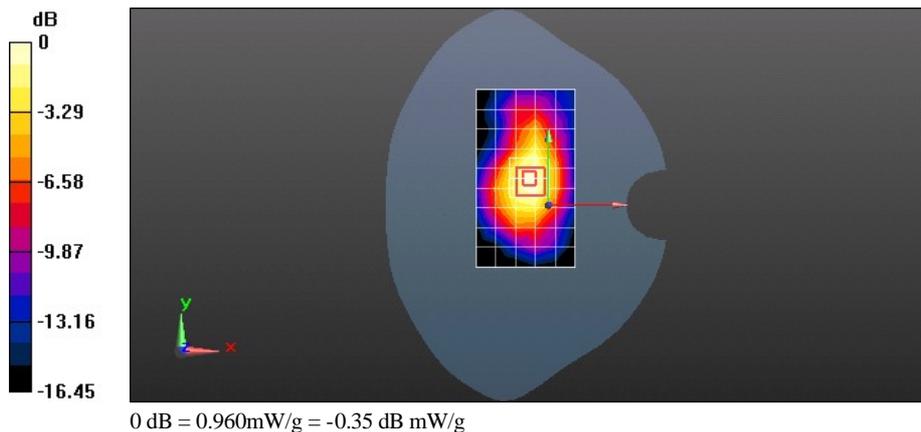
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.413 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.4810

**SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.529 mW/g**

Maximum value of SAR (measured) = 0.963 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band II 10M QPSK 50%RB#13 18900CH Front Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.946 mW/g

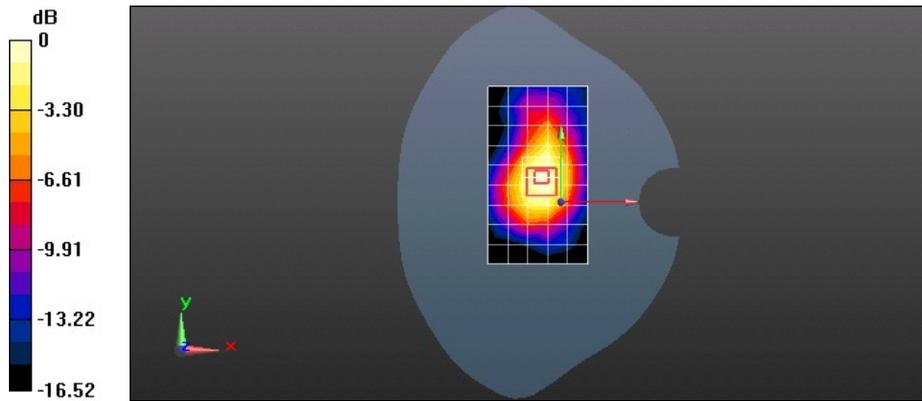
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.020 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.5750

**SAR(1 g) = 0.946 mW/g; SAR(10 g) = 0.573 mW/g**

Maximum value of SAR (measured) = 1.029 mW/g



0 dB = 1.030mW/g = 0.26 dB mW/g

Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band II 10M QPSK 50%RB#13 19150H Front Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 1905 MHz

Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.545$  mho/m;  $\epsilon_r = 52.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.110 mW/g

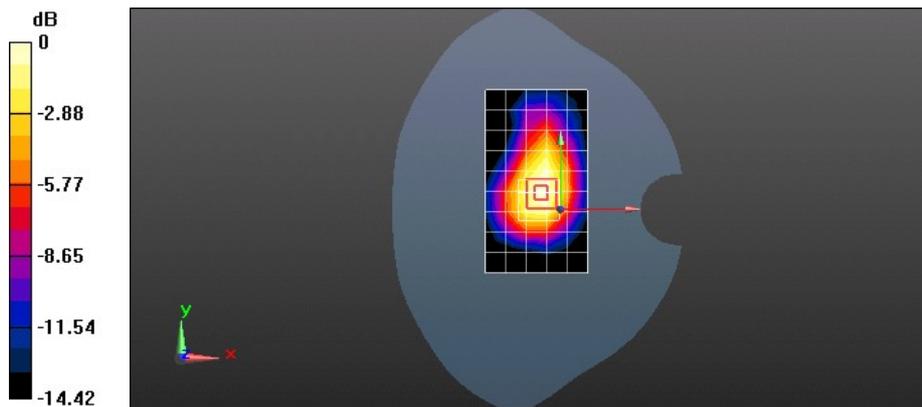
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 26.158 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.7170

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.656 mW/g**

Maximum value of SAR (measured) = 1.155 mW/g



0 dB = 1.150mW/g = 1.21 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 50%RB#13 18650CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

Reference Value = 5.907 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.1050

**SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.411 mW/g**

Maximum value of SAR (measured) = 0.774 mW/g

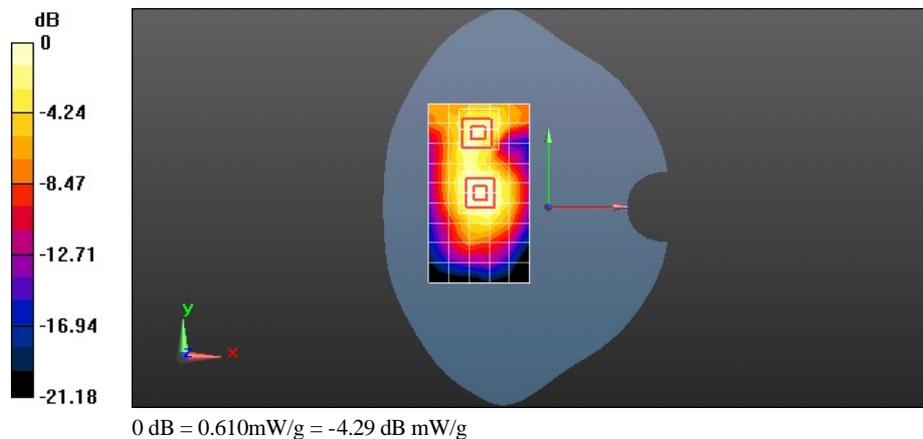
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.907 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.9740

**SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.292 mW/g**

Maximum value of SAR (measured) = 0.614 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 50%RB#13 18900CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.789 mW/g

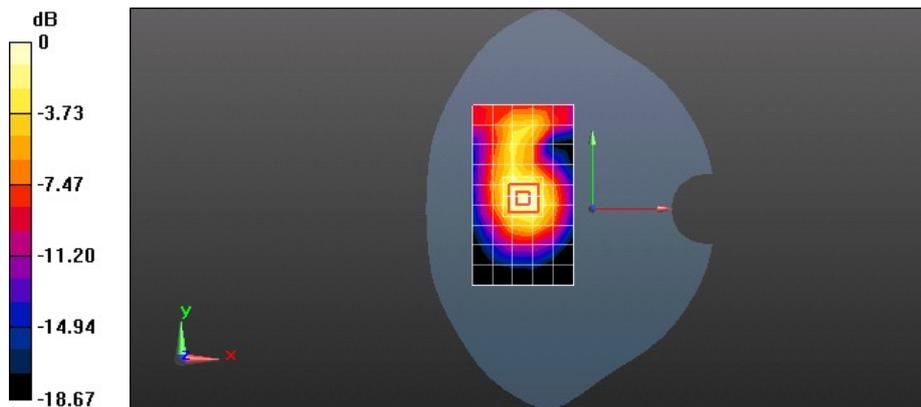
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.532 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.3240

**SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.486 mW/g**

Maximum value of SAR (measured) = 0.921 mW/g



0 dB = 0.920mW/g = -0.72 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 50%RB#13 19150CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SARI**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1905 MHz

Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.545$  mho/m;  $\epsilon_r = 52.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

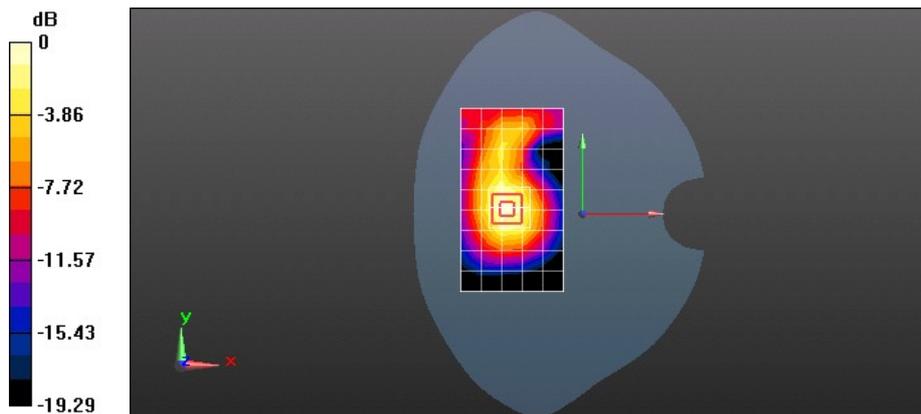
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.483 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.4790

**SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.547 mW/g**

Maximum value of SAR (measured) = 1.023 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 50%RB#13 18900H Left Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.556 mW/g

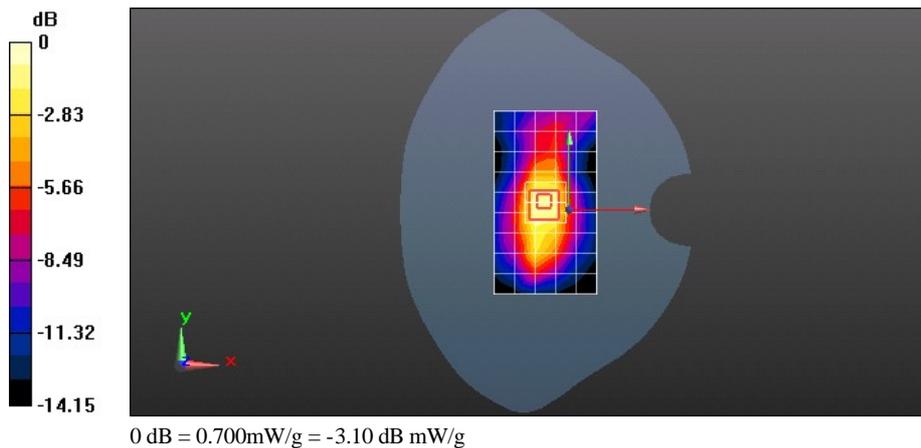
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.642 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.1320

**SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.361 mW/g**

Maximum value of SAR (measured) = 0.705 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 50%RB#13 18900H Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1880 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.361 mW/g

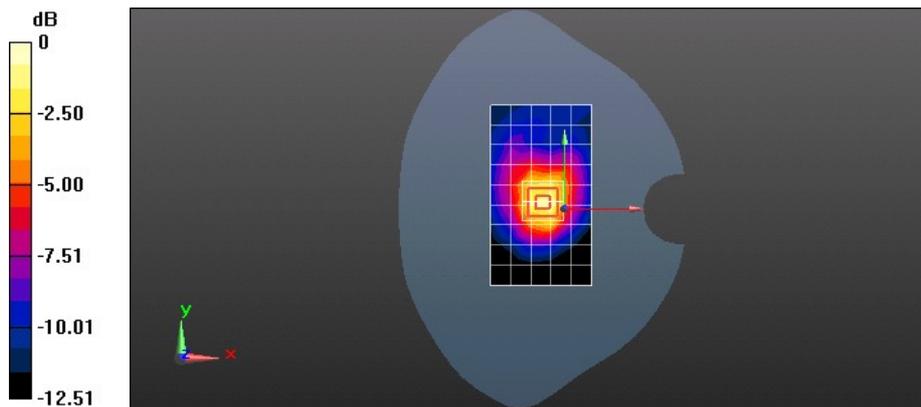
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.704 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.6730

**SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.217 mW/g**

Maximum value of SAR (measured) = 0.432 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 1RB#0 18650H Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.988 mW/g

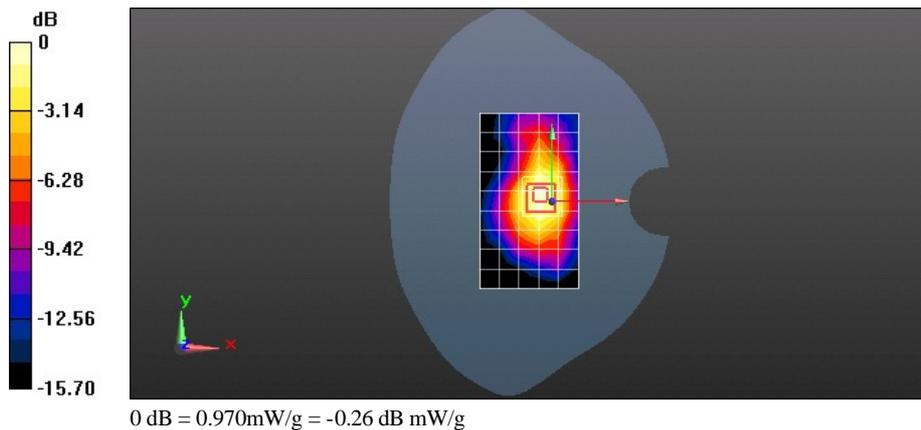
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.771 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.5260

**SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.540 mW/g**

Maximum value of SAR (measured) = 0.974 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band II 10M QPSK 1RB#0 18650H Rear Side 5mm****DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

Reference Value = 5.897 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.0610

**SAR(1 g) = 0.674 mW/g; SAR(10 g) = 0.392 mW/g**

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

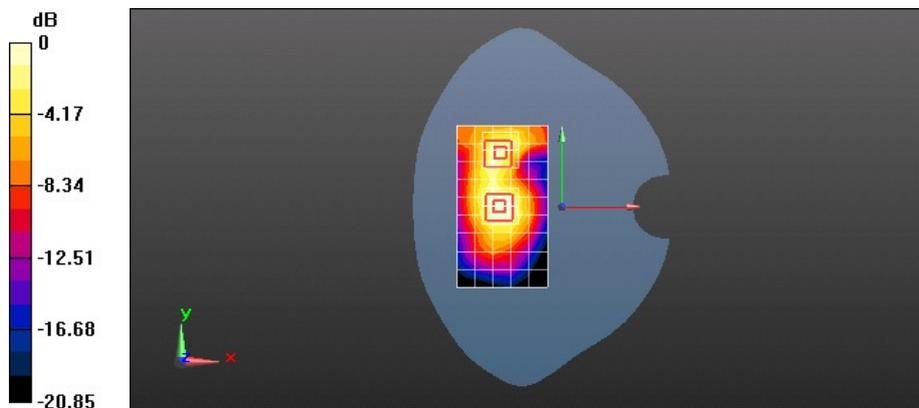
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.897 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.0190

**SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.302 mW/g**

Maximum value of SAR (measured) = 0.650 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 1RB#0 18650H Left Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.460 mW/g

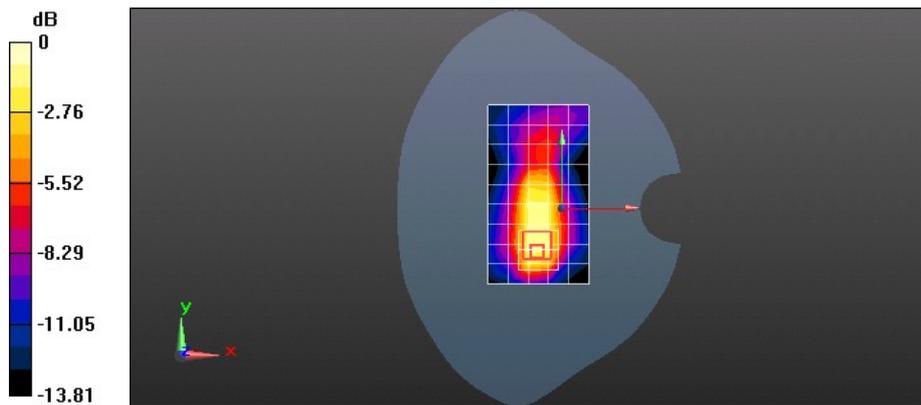
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.667 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.8730

**SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.310 mW/g**

Maximum value of SAR (measured) = 0.601 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band II 10M QPSK 1RB#0 18650H Right Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

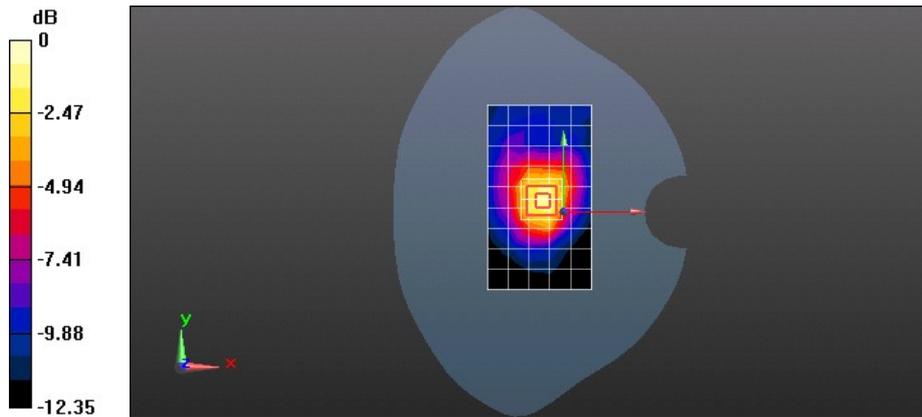
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.494 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.6150

**SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.200 mW/g**

Maximum value of SAR (measured) = 0.390 mW/g



0 dB = 0.390mW/g = -8.18 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 1RB#49 18650H Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.066 mW/g

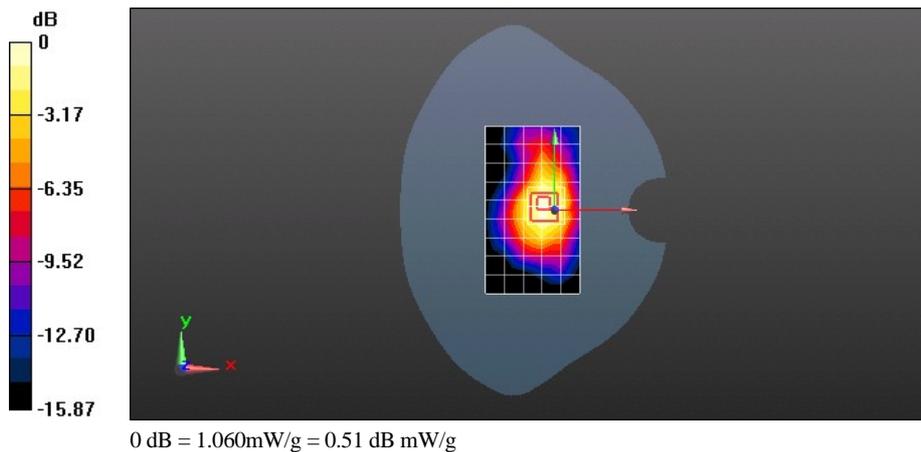
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.807 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.6580

**SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.592 mW/g**

Maximum value of SAR (measured) = 1.059 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 1RB#49 18650H Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.664 mW/g

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

Reference Value = 6.136 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.1500

**SAR(1 g) = 0.732 mW/g; SAR(10 g) = 0.427 mW/g**

Maximum value of SAR (measured) = 0.801 mW/g

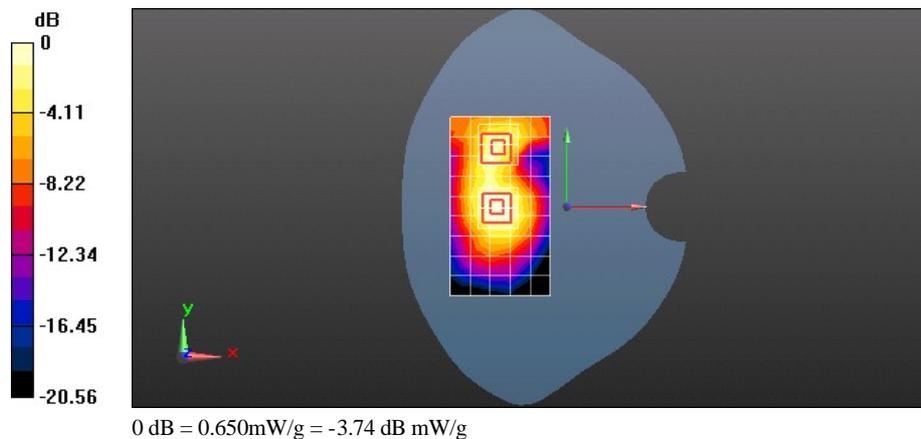
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.136 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.0280

**SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.302 mW/g**

Maximum value of SAR (measured) = 0.648 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 1RB#49 18650H Left Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.481 mW/g

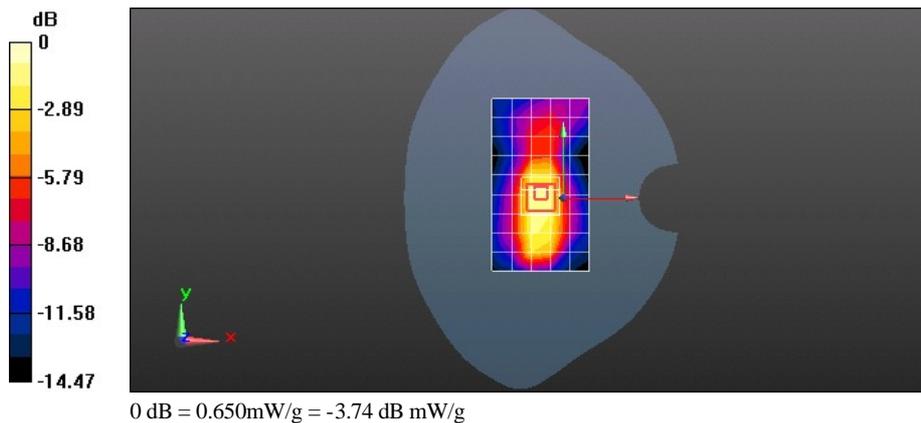
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.032 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.0160

**SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.323 mW/g**

Maximum value of SAR (measured) = 0.647 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M QPSK 1RB#49 18650H Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.348 mW/g

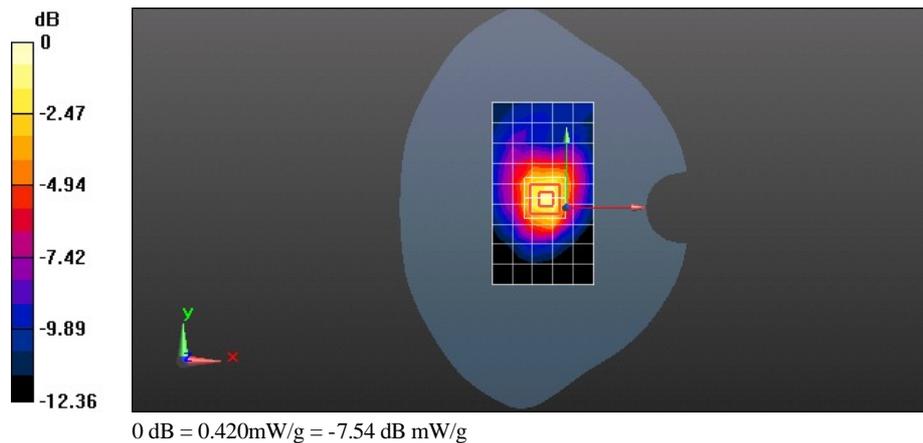
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.217 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.6430

**SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.213 mW/g**

Maximum value of SAR (measured) = 0.418 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band II 10M 16QAM 50%RB#13 19150H Front Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 1905 MHz

Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.545$  mho/m;  $\epsilon_r = 52.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.232 mW/g

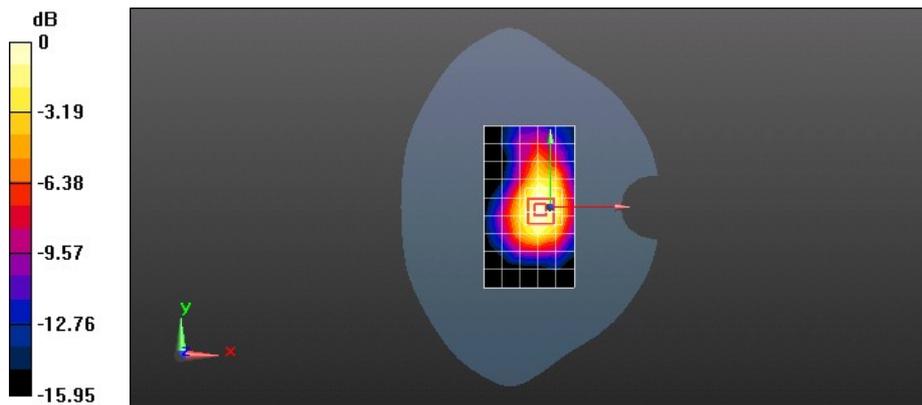
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.412 V/m; Power Drift = -0.09 dB

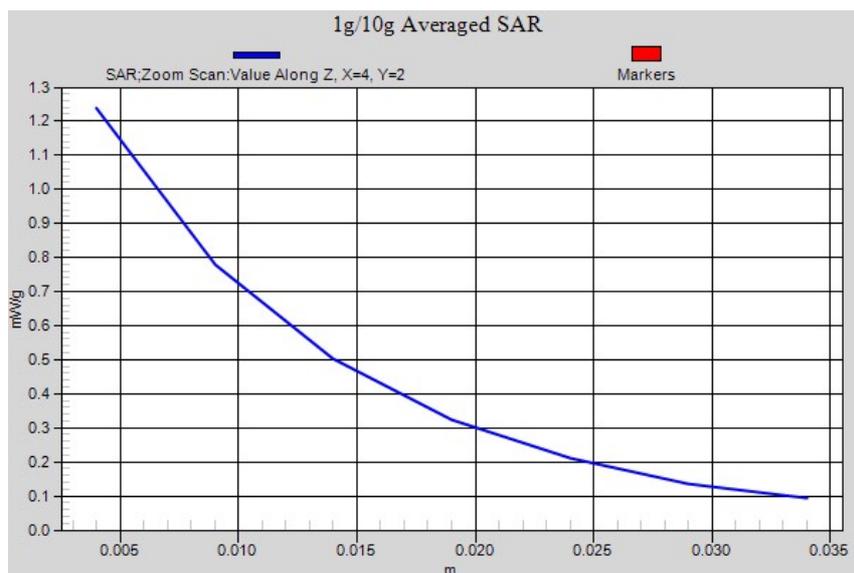
Peak SAR (extrapolated) = 1.8630

**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.715 mW/g**

Maximum value of SAR (measured) = 1.237 mW/g



0 dB = 1.240mW/g = 1.87 dB mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M 16QAM 50%RB#13 19150H Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1905 MHz

Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.545$  mho/m;  $\epsilon_r = 52.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.923 mW/g

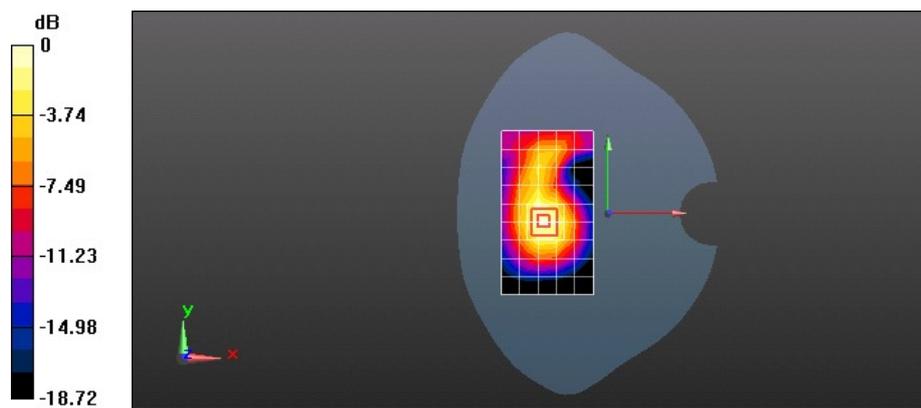
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.863 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.5520

**SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.529 mW/g**

Maximum value of SAR (measured) = 1.002 mW/g



0 dB = 1.000mW/g = 0 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M 16QAM 50%RB#13 19150H Left Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1905 MHz

Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.545$  mho/m;  $\epsilon_r = 52.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.979 mW/g

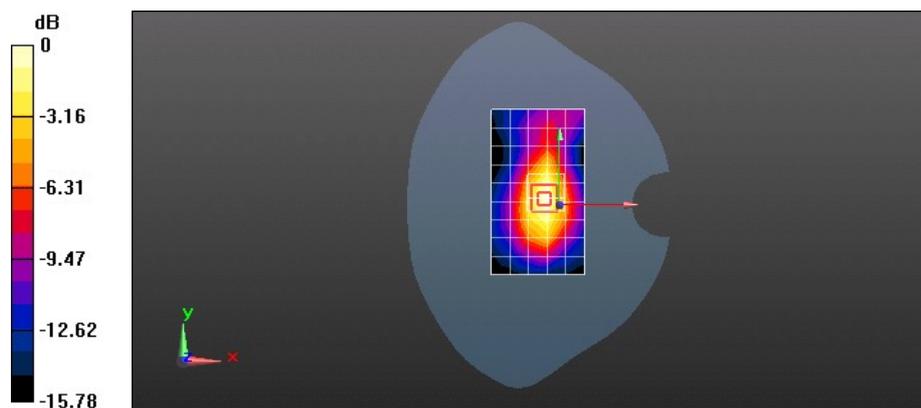
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.841 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.5200

**SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.515 mW/g**

Maximum value of SAR (measured) = 1.004 mW/g



0 dB = 1.000mW/g = 0 dB mW/g

Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band II 10M 16QAM 50%RB#13 19150H Right Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1905 MHz

Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.545$  mho/m;  $\epsilon_r = 52.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

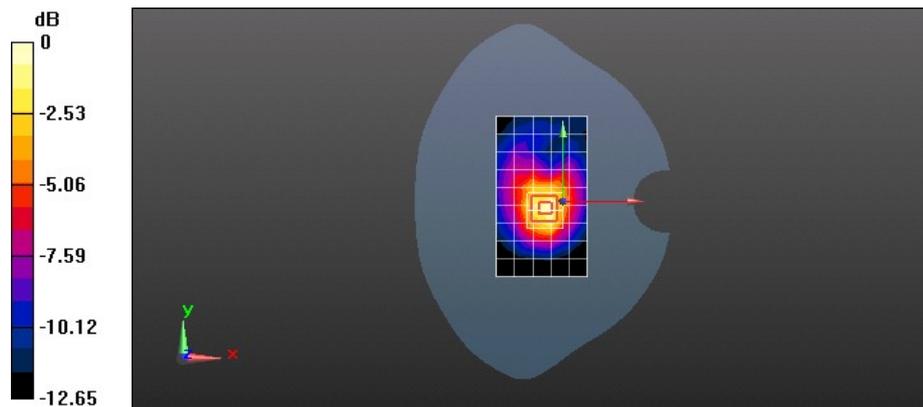
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 17.557 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.7270

**SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.247 mW/g**

Maximum value of SAR (measured) = 0.486 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M 16QAM 1RB#0 18650H Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.074 mW/g

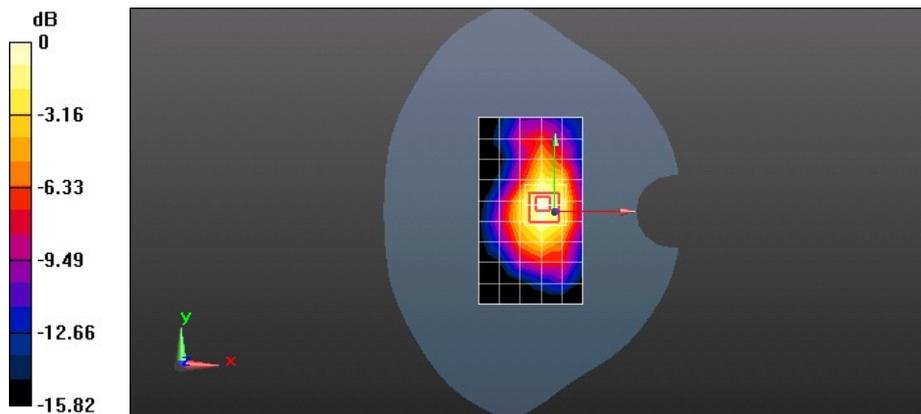
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.713 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.6280

**SAR(1 g) = 0.978 mW/g; SAR(10 g) = 0.584 mW/g**

Maximum value of SAR (measured) = 1.058 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M 16QAM 1RB#0 18650H Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.594 mW/g

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

Reference Value = 5.892 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.9810

**SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.367 mW/g**

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

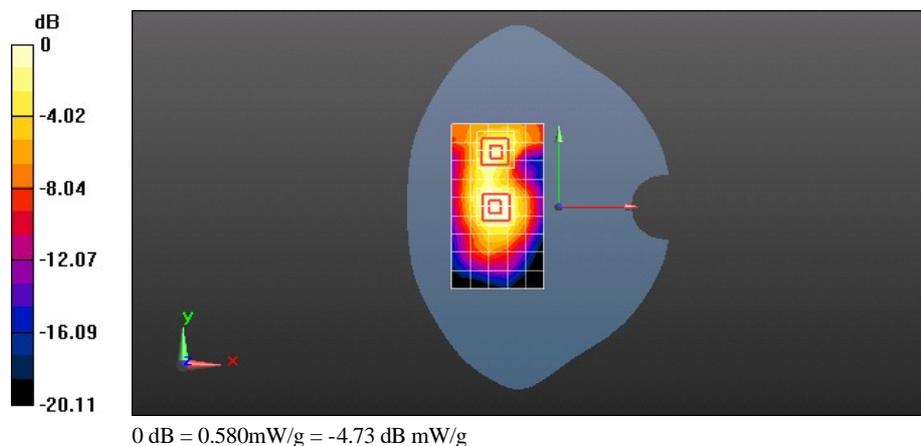
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.892 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.9060

**SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.272 mW/g**

Maximum value of SAR (measured) = 0.577 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band II 10M 16QAM 1RB#0 18650H Left Side 5mm****DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.567 mW/g

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

Reference Value = 18.890 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.9140

**SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.322 mW/g**

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

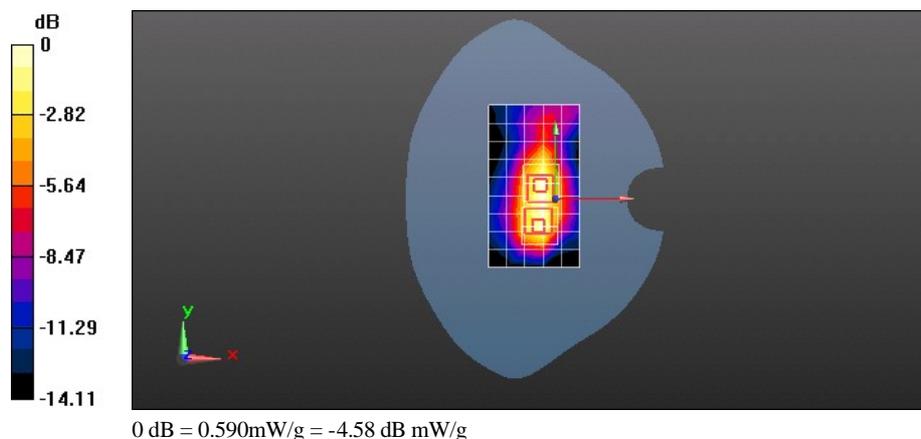
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 18.890 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.9030

**SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.302 mW/g**

Maximum value of SAR (measured) = 0.587 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M 16QAM 1RB#0 18650H Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.369 mW/g

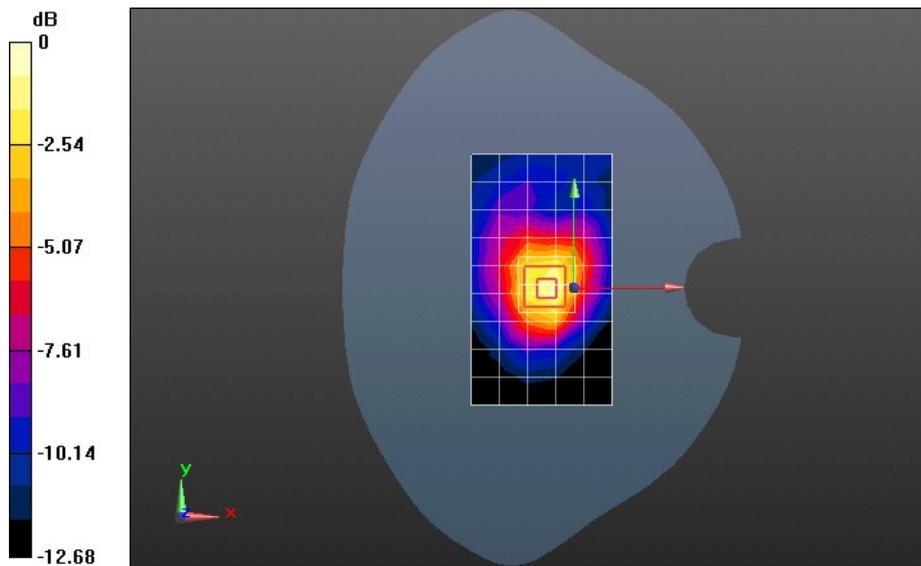
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.995 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.6580

**SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.214 mW/g**

Maximum value of SAR (measured) = 0.420 mW/g



0 dB = 0.420mW/g = -7.54 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M 16QAM 1RB#49 18650H Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.154 mW/g

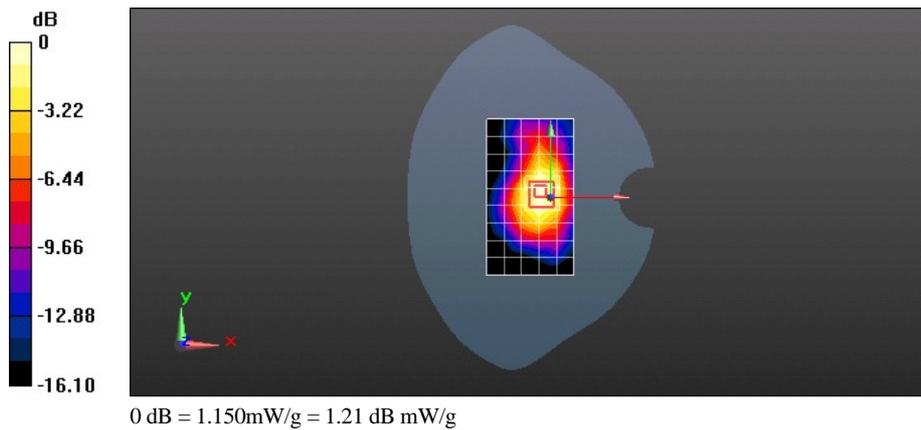
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 25.887 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.7910

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.638 mW/g**

Maximum value of SAR (measured) = 1.147 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M 16QAM 1RB#49 18650H Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.652 mW/g

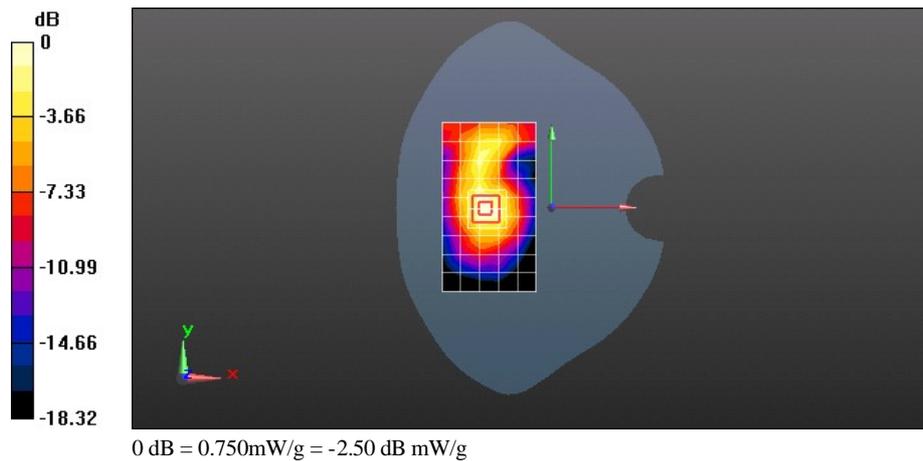
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.281 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.1980

**SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.406 mW/g**

Maximum value of SAR (measured) = 0.749 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band II 10M 16QAM 1RB#49 18650H Left Side 5mm****DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.647 mW/g

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

Reference Value = 19.628 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.0350

**SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.335 mW/g**

Maximum value of SAR (measured) = 0.661 mW/g

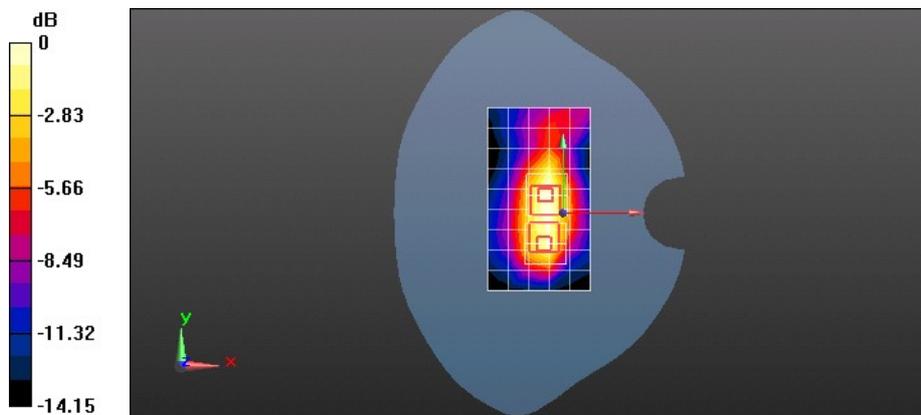
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.628 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.8560

**SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.306 mW/g**

Maximum value of SAR (measured) = 0.584 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band II 10M 16QAM 1RB#49 18650H Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1855 MHz

Medium parameters used:  $f = 1855$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 52.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.391 mW/g

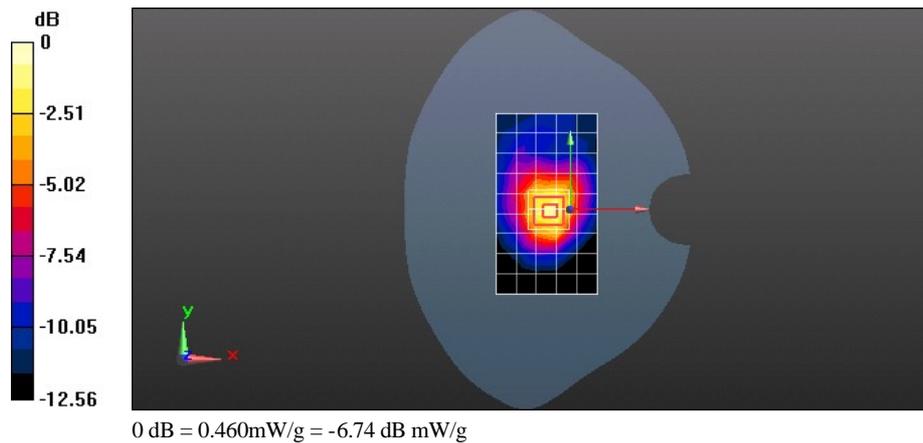
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 17.854 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.7150

**SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.231 mW/g**

Maximum value of SAR (measured) = 0.458 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 50%RB#13 20000CH Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1715 MHz

Medium parameters used:  $f = 1715$  MHz;  $\sigma = 1.495$  mho/m;  $\epsilon_r = 53.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

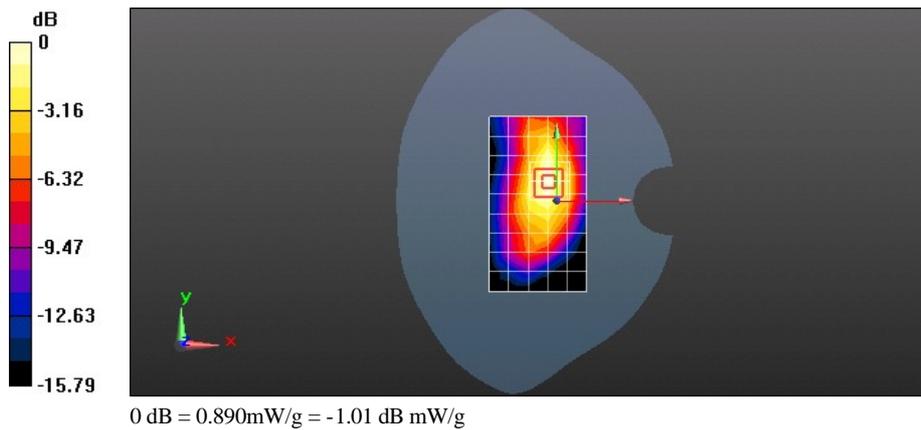
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.908 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.3750

**SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.475 mW/g**

Maximum value of SAR (measured) = 0.893 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band IV 10M QPSK 50%RB#13 20175CH Front Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.882 mW/g

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

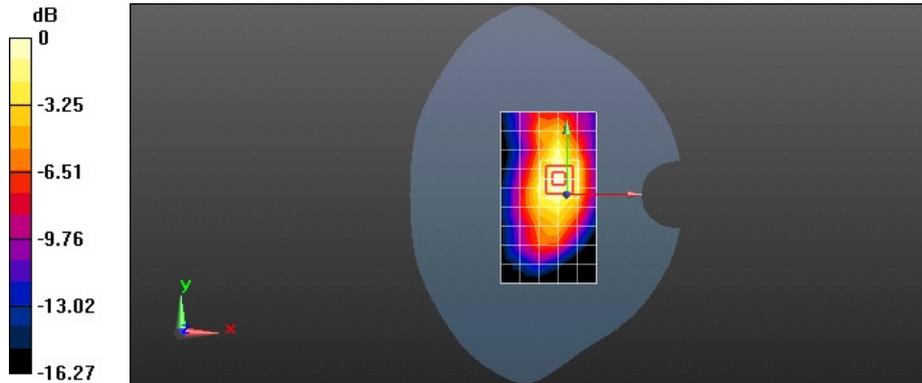
Reference Value = 21.097 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.5510

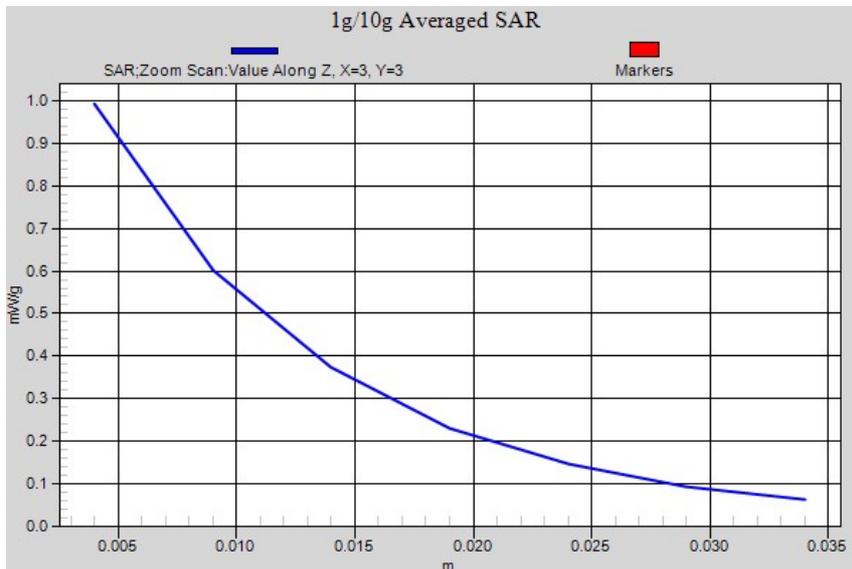
**SAR(1 g) = 0.916 mW/g; SAR(10 g) = 0.538 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

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



0 dB = 0.990mW/g = -0.09 dB mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 50%RB#13 20350CH Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.522$  mho/m;  $\epsilon_r = 53.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.848 mW/g

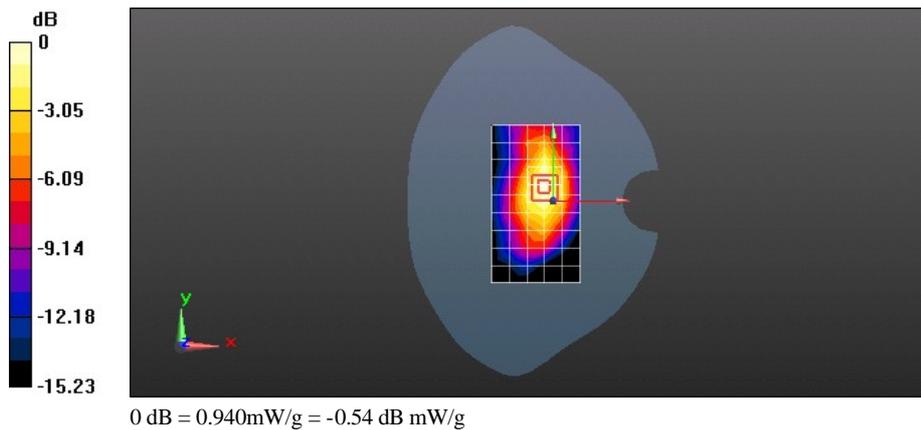
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 20.997 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.4620

**SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.511 mW/g**

Maximum value of SAR (measured) = 0.935 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band IV 10M QPSK 50%RB#13 20175CH Rear Side 5mm****DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/Body/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.781 mW/g

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

Reference Value = 3.159 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.3050

**SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.385 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.817 mW/g

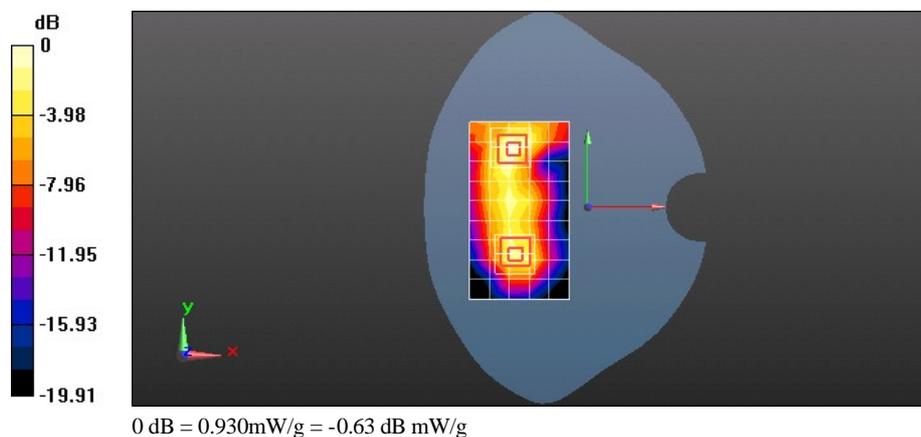
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.159 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.5120

**SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.443 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.931 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band IV 10M QPSK 50%RB#13 20000CH Leftt Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 1715 MHz

Medium parameters used:  $f = 1715$  MHz;  $\sigma = 1.495$  mho/m;  $\epsilon_r = 53.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.644 mW/g

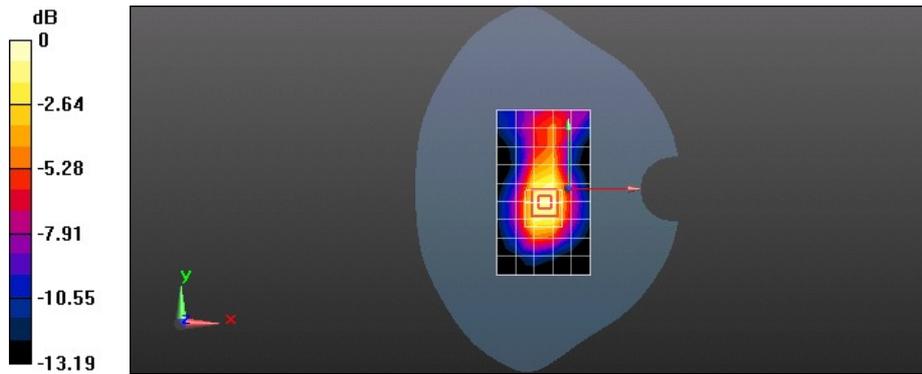
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.139 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.1050

**SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.414 mW/g**

Maximum value of SAR (measured) = 0.758 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 50%RB#13 20175CH Leftt Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.850 mW/g

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

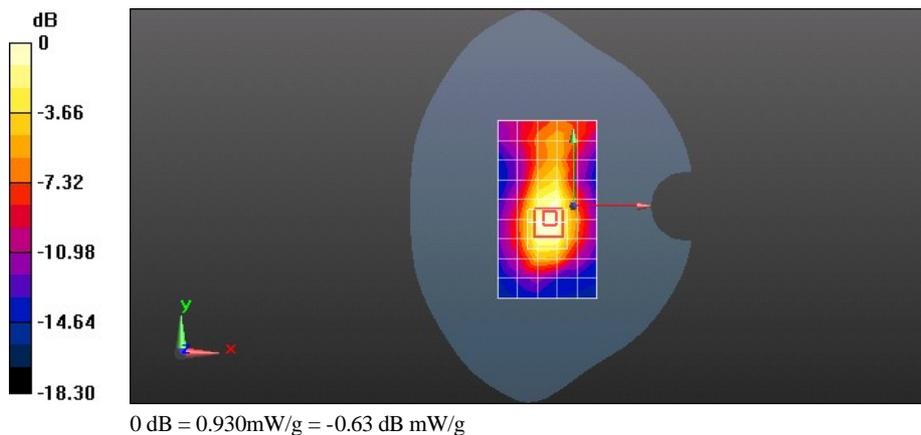
Reference Value = 25.186 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.4440

**SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.506 mW/g**

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

Maximum value of SAR (measured) = 0.929 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 50%RB#13 20350CH Leftt Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SARI**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.522$  mho/m;  $\epsilon_r = 53.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.733 mW/g

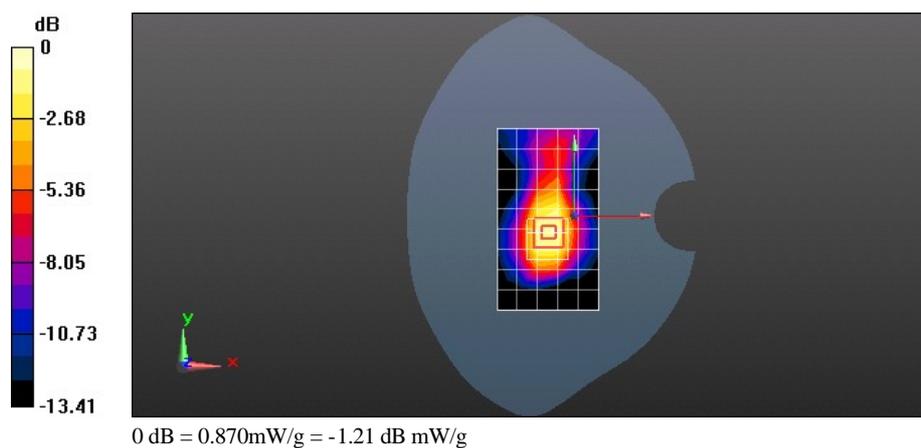
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.983 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.2830

**SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.475 mW/g**

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



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 50%RB#13 20175CH Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.176 mW/g

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

Reference Value = 8.892 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.3890

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.092 mW/g**

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

Maximum value of SAR (measured) = 0.209 mW/g

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

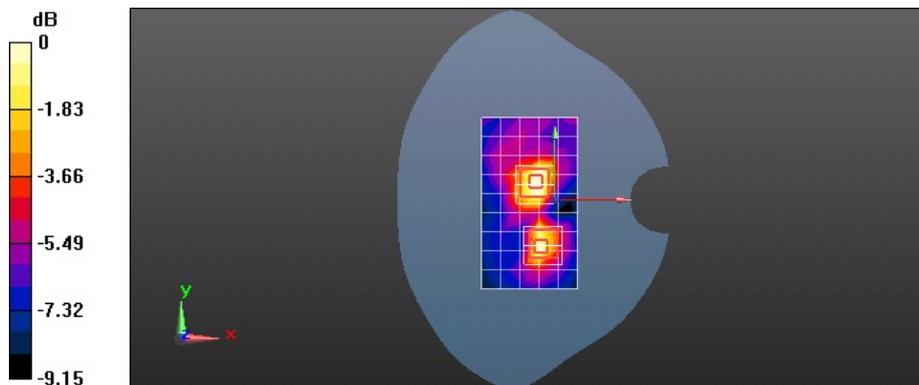
Reference Value = 8.892 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.2430

**SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.073 mW/g**

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

Maximum value of SAR (measured) = 0.150 mW/g



0 dB = 0.150mW/g = -16.48 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 1RB#0 20350CH Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SARI**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.522$  mho/m;  $\epsilon_r = 53.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.836 mW/g

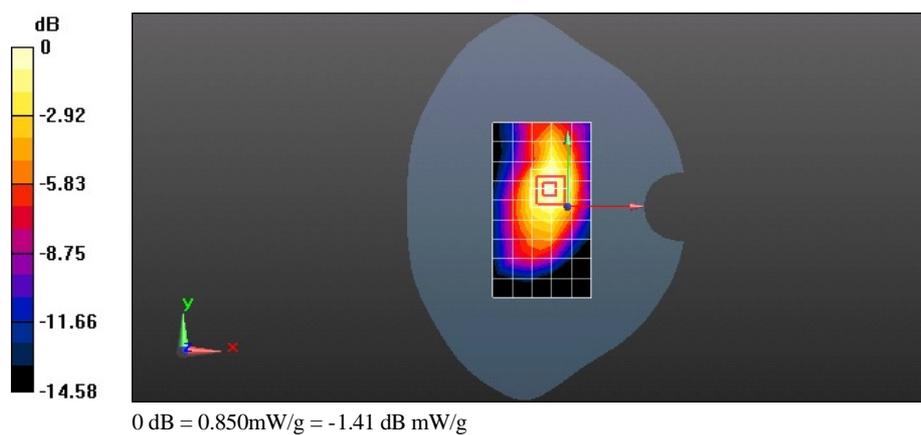
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.405 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.3180

**SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.469 mW/g**

Maximum value of SAR (measured) = 0.850 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 1RB#0 20350CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.522$  mho/m;  $\epsilon_r = 53.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.615 mW/g

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

Reference Value = 1.688 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.1020

**SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.337 mW/g**

Maximum value of SAR (measured) = 0.700 mW/g

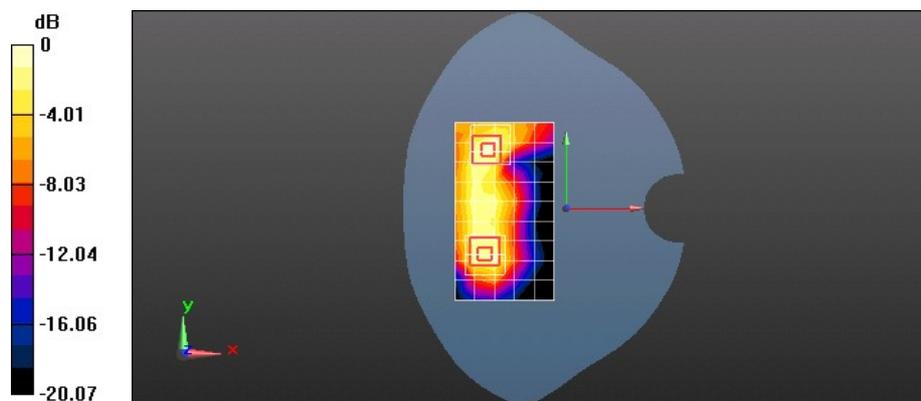
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.688 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.0780

**SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.321 mW/g**

Maximum value of SAR (measured) = 0.673 mW/g



0 dB = 0.670mW/g = -3.48 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 1RB#0 20350CH Left Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.522$  mho/m;  $\epsilon_r = 53.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.716 mW/g

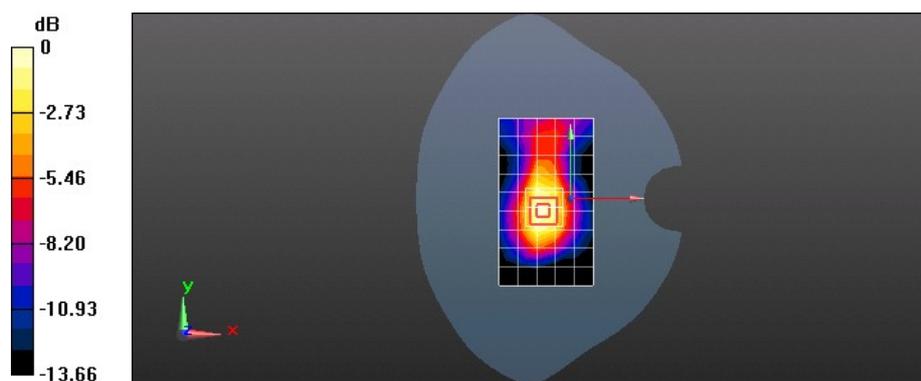
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.325 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.1310

**SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.419 mW/g**

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



0 dB = 0.770mW/g = -2.27 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 1RB#0 20350CH Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.522$  mho/m;  $\epsilon_r = 53.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.150 mW/g

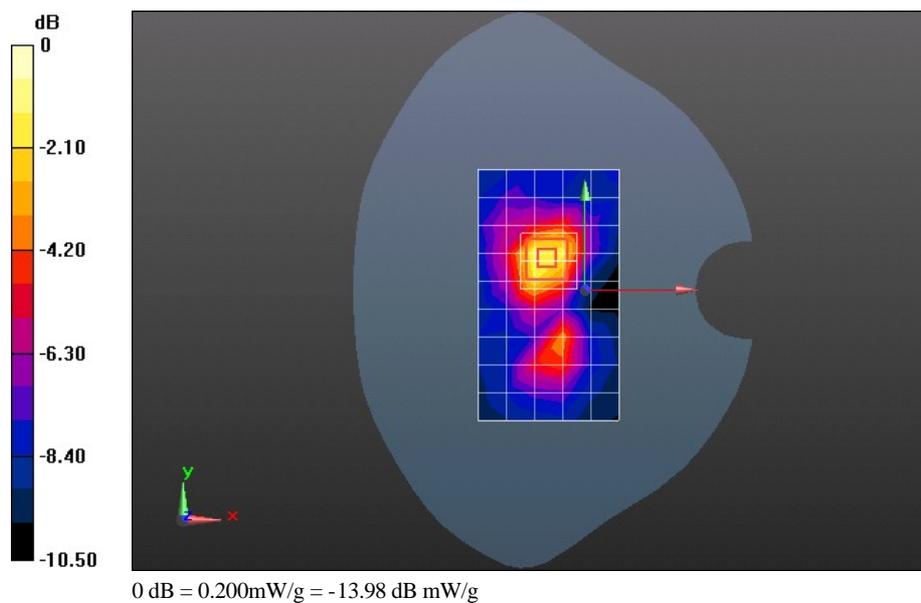
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.370 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.3820

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.096 mW/g**

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



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 1RB#49 20175CH Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.879 mW/g

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

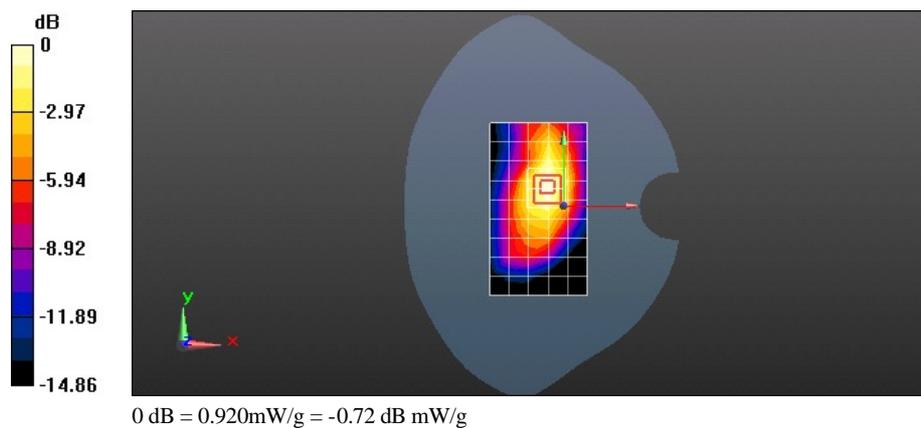
Reference Value = 21.575 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.4310

**SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.503 mW/g**

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

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



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 1RB#49 20175CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SARI**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.771 mW/g

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

Reference Value = 2.008 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.1930

**SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.363 mW/g**

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

Maximum value of SAR (measured) = 0.755 mW/g

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

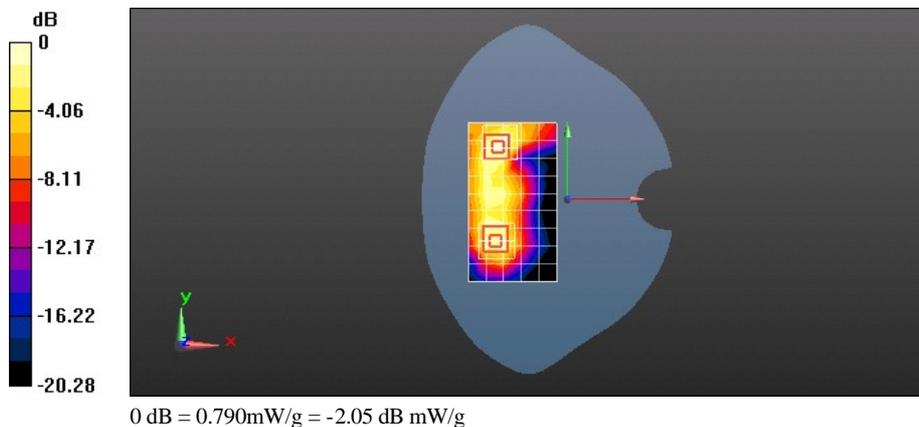
Reference Value = 2.008 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.2480

**SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.378 mW/g**

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

Maximum value of SAR (measured) = 0.790 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 1RB#49 20175CH Left Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SARI**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

[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:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

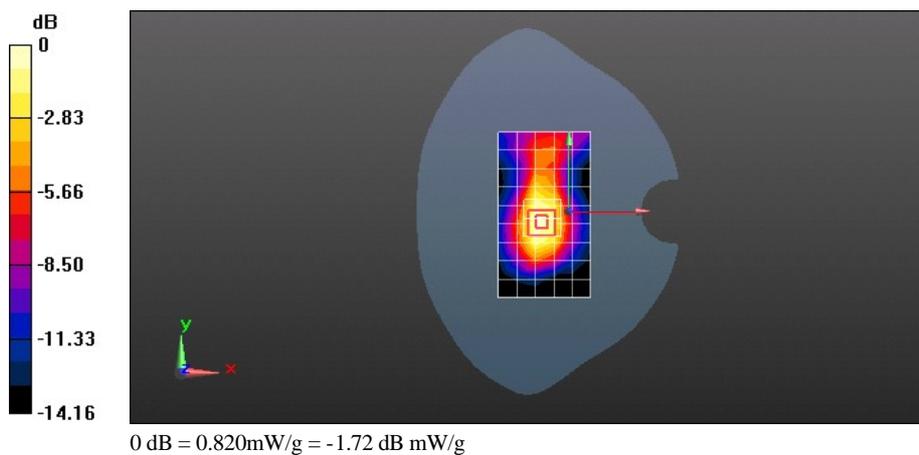
Reference Value = 23.139 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.2300

**SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.450 mW/g**

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

Maximum value of SAR (measured) = 0.823 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M QPSK 1RB#49 20175CH Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 53.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.154 mW/g

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

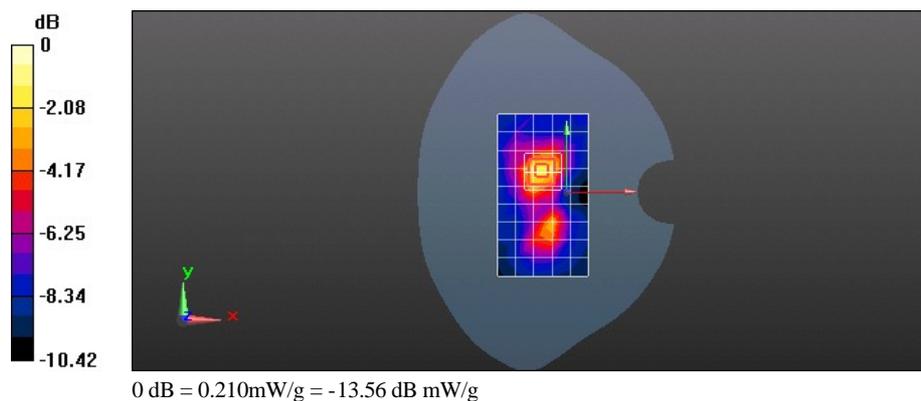
Reference Value = 6.975 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.3890

**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.095 mW/g**

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

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



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band IV 10M 16QAM 50%RB#13 20175CH Front Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.513$  mho/m;  $\epsilon_r = 52.989$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.935 mW/g

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

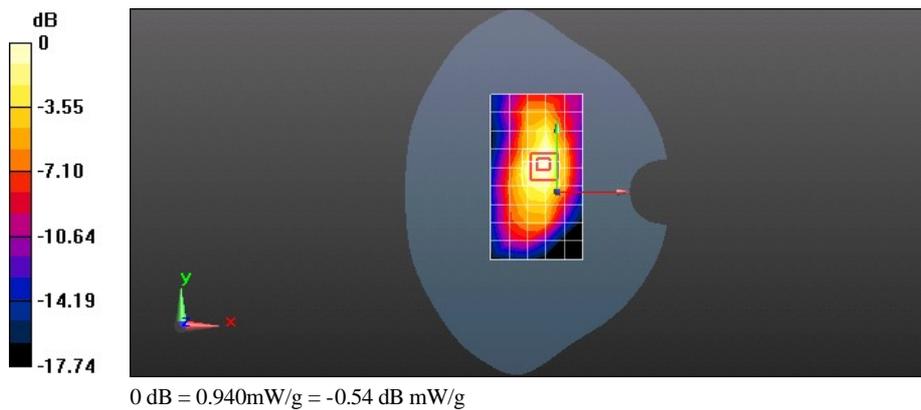
Reference Value = 19.786 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.4810

**SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.506 mW/g**

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

Maximum value of SAR (measured) = 0.944 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M 16QAM 50%RB#13 20175CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.513$  mho/m;  $\epsilon_r = 52.989$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -8.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.806 mW/g

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

Reference Value = 1.591 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.4580

**SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.424 mW/g**

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

Maximum value of SAR (measured) = 0.920 mW/g

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

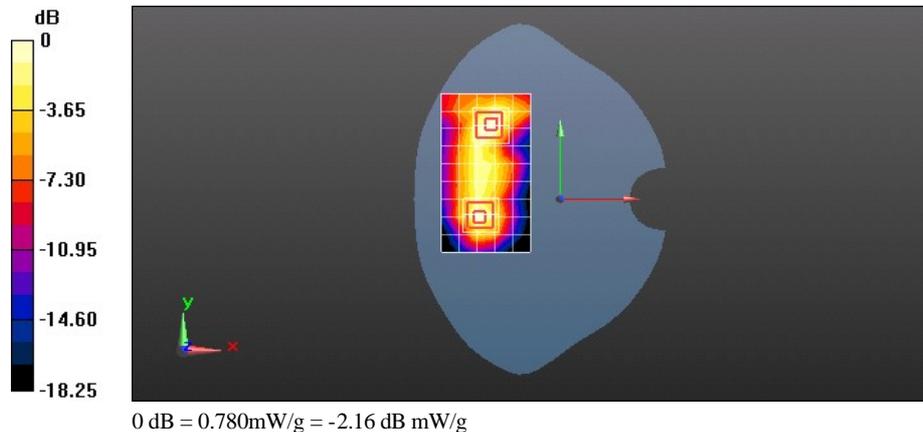
Reference Value = 1.591 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.2540

**SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.378 mW/g**

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

Maximum value of SAR (measured) = 0.780 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M 16QAM 50%RB#13 20175CH Left Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.513$  mho/m;  $\epsilon_r = 52.989$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.701 mW/g

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

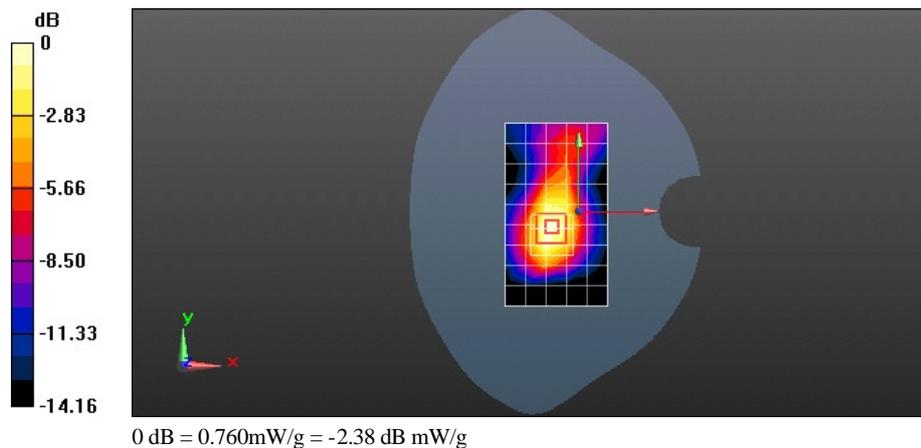
Reference Value = 22.017 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.1400

**SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.412 mW/g**

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

Maximum value of SAR (measured) = 0.762 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M 16QAM 50%RB#13 20175CH Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1732.5 MHz  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.513$  mho/m;  $\epsilon_r = 52.989$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.189 mW/g

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

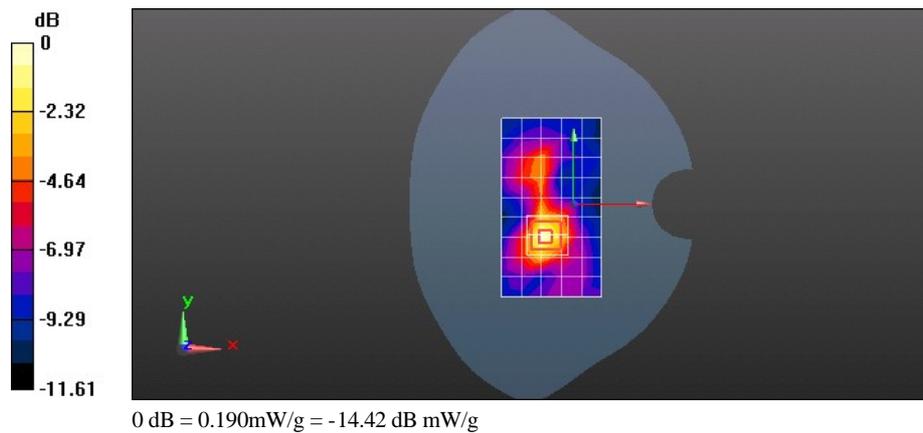
Reference Value = 6.785 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.3570

**SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.090 mW/g**

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

Maximum value of SAR (measured) = 0.193 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M 16QAM 1RB#0 20350CH Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SARI**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.844 mW/g

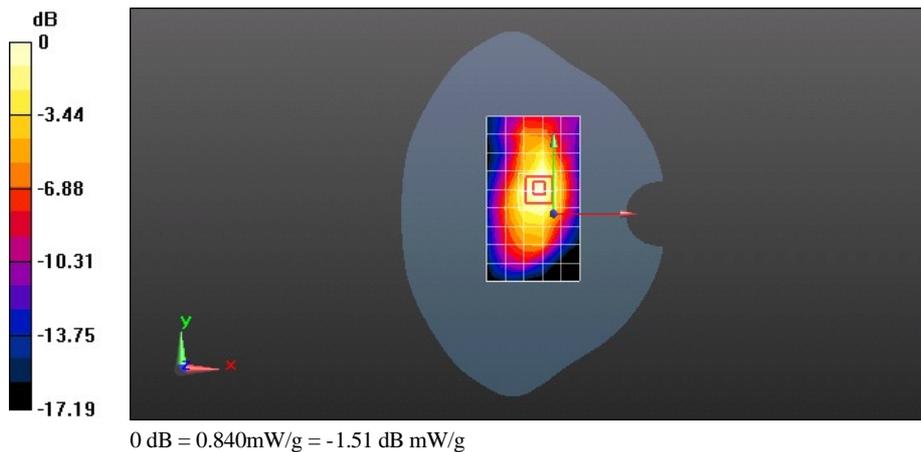
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.267 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.3150

**SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.462 mW/g**

Maximum value of SAR (measured) = 0.842 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M 16QAM 1RB#0 20350CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -8.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.709 mW/g

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

Reference Value = 1.201 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.1210

**SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.342 mW/g**

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

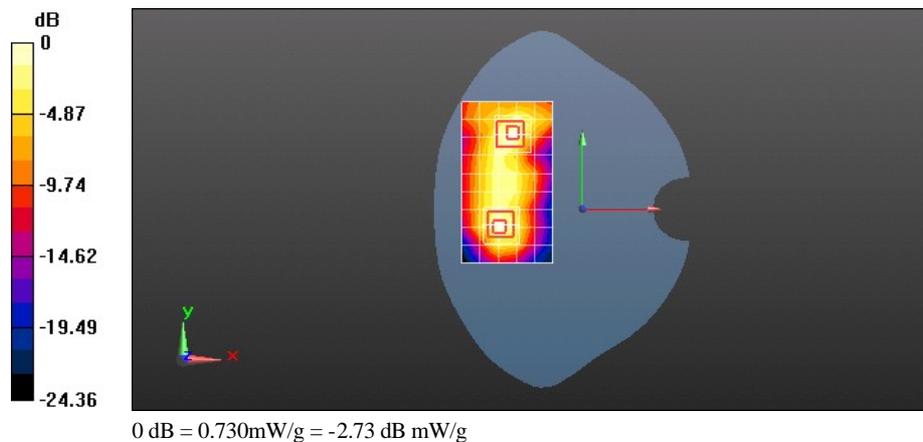
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.201 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.1400

**SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.337 mW/g**

Maximum value of SAR (measured) = 0.726 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M 16QAM 1RB#0 20350CH Left Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.847 mW/g

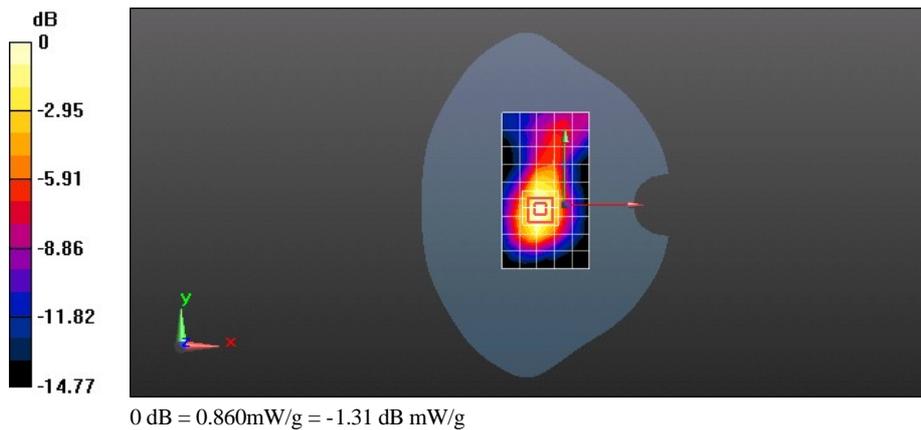
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.400 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.2830

**SAR(1 g) = 0.782 mW/g; SAR(10 g) = 0.459 mW/g**

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



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M 16QAM 1RB#0 20350CH Right Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.195 mW/g

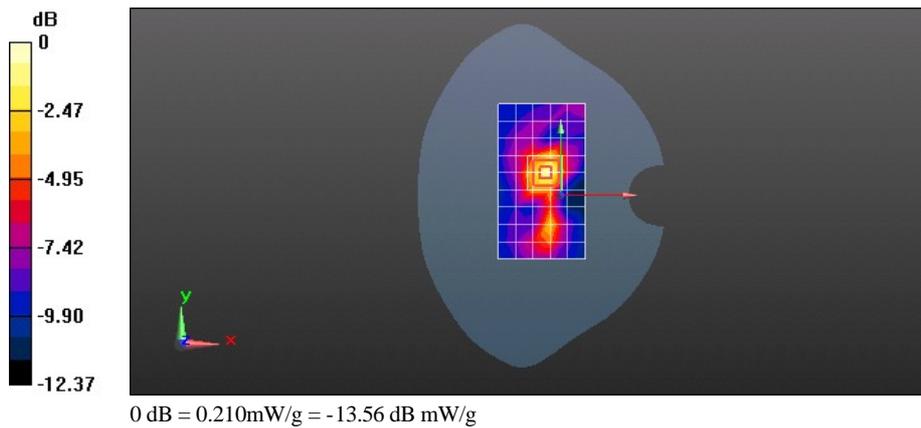
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.461 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.3760

**SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.094 mW/g**

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



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band IV 10M 16QAM 1RB#49 20350CH Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SARI**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.963 mW/g

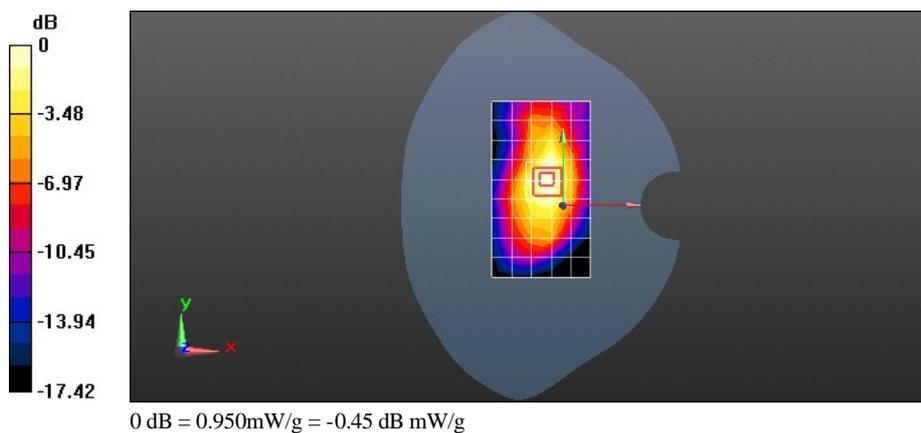
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 20.632 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.4660

**SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.520 mW/g**

Maximum value of SAR (measured) = 0.946 mW/g



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band IV 10M 16QAM 1RB#49 20350CH Rear Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.772 mW/g

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

Reference Value = 1.486 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.2170

**SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.381 mW/g**

Maximum value of SAR (measured) = 0.781 mW/g

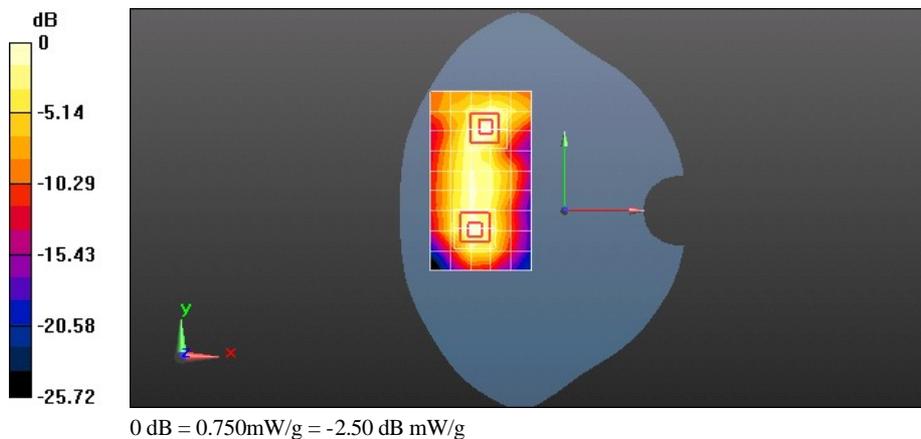
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.486 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.2000

**SAR(1 g) = 0.675 mW/g; SAR(10 g) = 0.356 mW/g**

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



Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band IV 10M 16QAM 1RB#49 20350CH Left Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

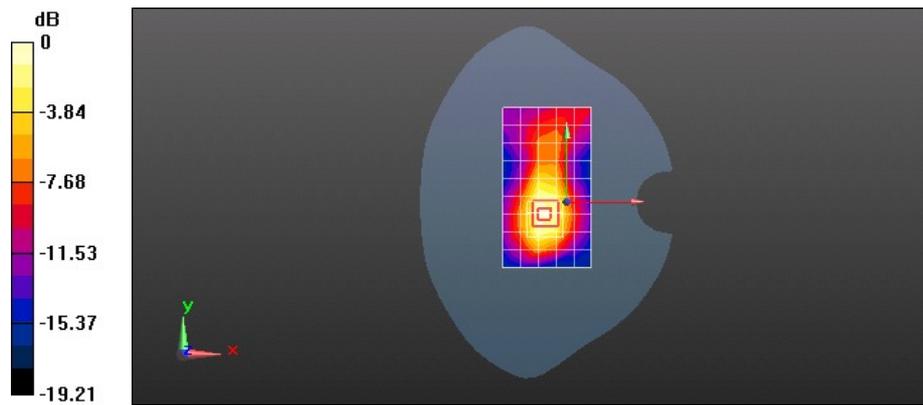
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.774 V/m; Power Drift = 0.0037 dB

Peak SAR (extrapolated) = 1.4550

**SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.516 mW/g**

Maximum value of SAR (measured) = 0.972 mW/g



0 dB = 0.970mW/g = -0.26 dB mW/g

Test Laboratory: HUAWEI SAR Lab

**E397Bu-502 LTE Band IV 10M 16QAM 1RB#49 20350CH Right Side 5mm**

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 1750 MHz

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.253 mW/g

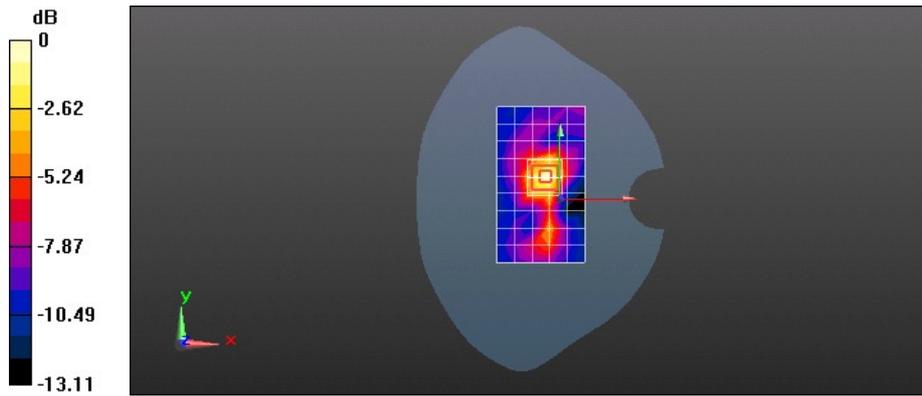
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.966 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.5010

**SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.272 mW/g



0 dB = 0.270mW/g = -11.37 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band V 10M QPSK 50%RB#13 20525CH Front Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz  
 Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.996$  mho/m;  $\epsilon_r = 56.444$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.768 mW/g

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

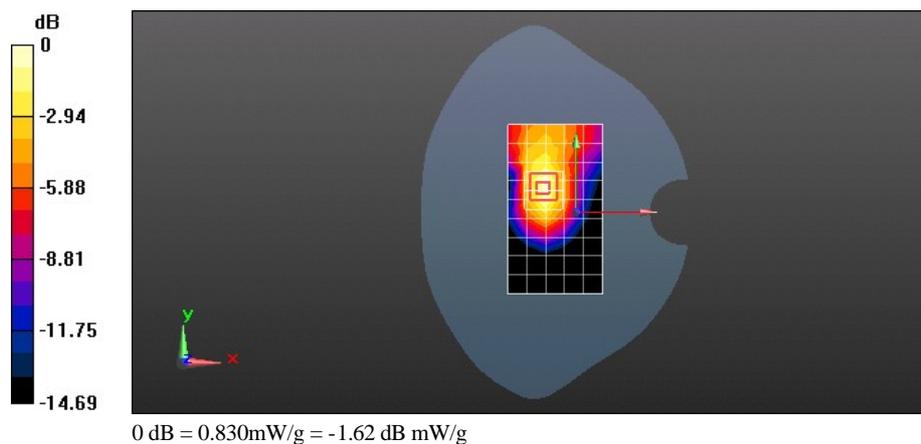
Reference Value = 20.168 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.3250

**SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.440 mW/g**

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

Maximum value of SAR (measured) = 0.834 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band V 10M QPSK 50%RB#13 20450CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 829 MHz

Medium parameters used:  $f = 829$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 56.855$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.930 mW/g

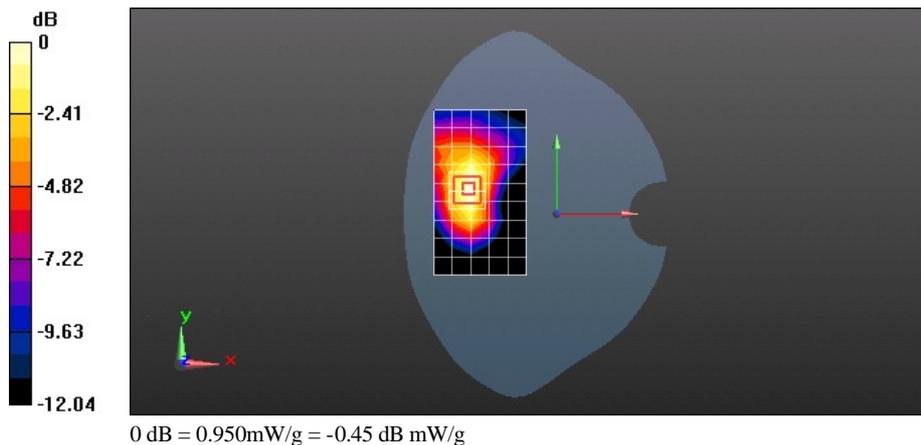
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.251 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.3420

**SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.547 mW/g**

Maximum value of SAR (measured) = 0.948 mW/g



Test Laboratory: HUAWEI SAR Lab

### E397Bu-502 LTE Band V 10M QPSK 50%RB#13 20525CH Rear Side 5mm

**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz  
 Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.996$  mho/m;  $\epsilon_r = 56.444$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

Reference Value = 2.589 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.3020

**SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.522 mW/g**

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

Maximum value of SAR (measured) = 0.911 mW/g

