

Appendix B. SAR Measurement Plots

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E397Bu-501 GSM850 GPRS 1TS 190CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); 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

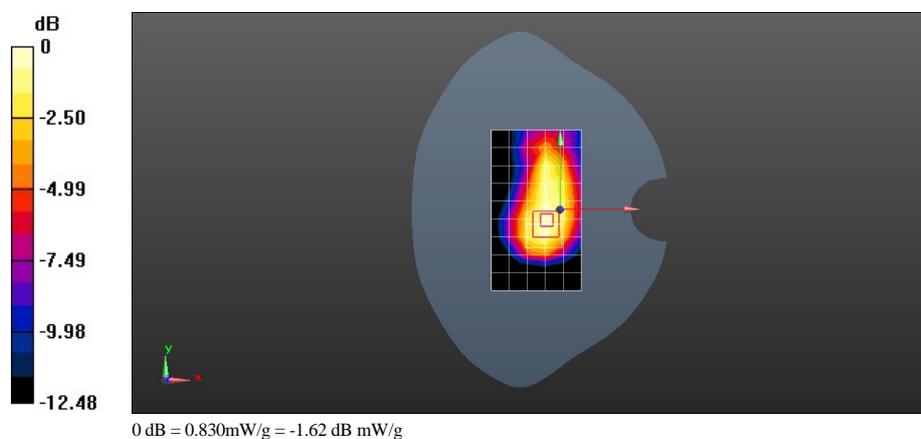
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 25.679 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.1320

SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.517 mW/g

Maximum value of SAR (measured) = 0.829 mW/g



E397Bu-501 GSM850 GPRS 2TS 190CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

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

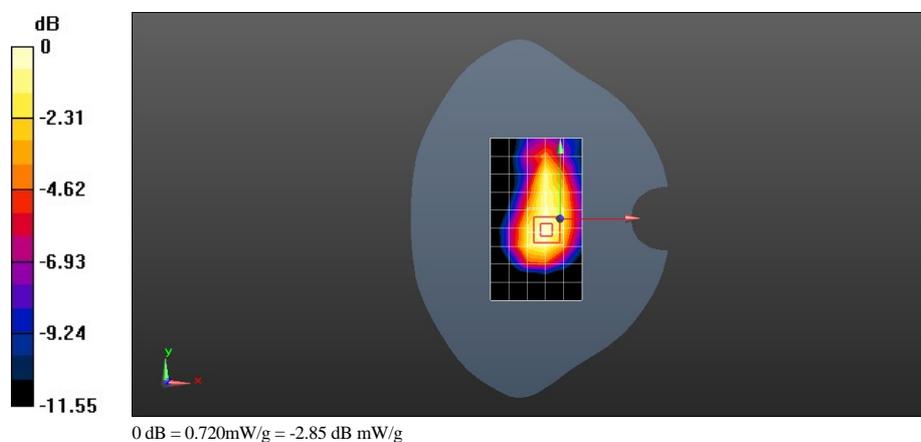
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.602 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.9780

SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.449 mW/g

Maximum value of SAR (measured) = 0.723 mW/g



E397Bu-501 GSM850 GPRS 3TS 190CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.728 mW/g

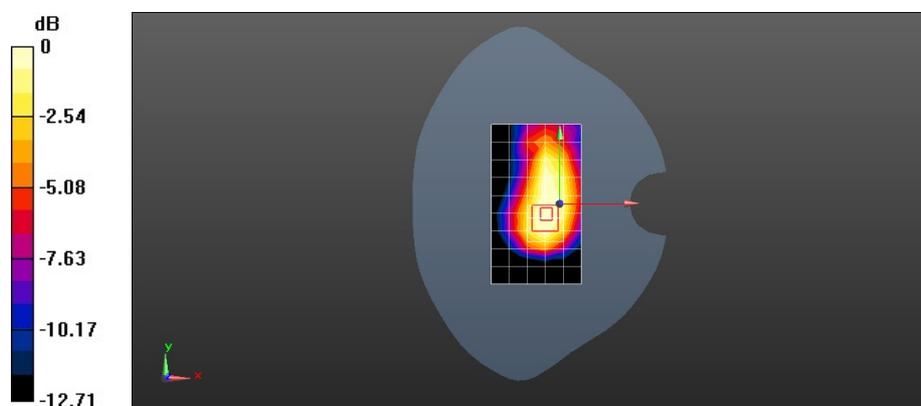
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 23.631 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.8240

SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.376 mW/g

Maximum value of SAR (measured) = 0.607 mW/g



0 dB = 0.610mW/g = -4.29 dB mW/g

E397Bu-501 GSM850 GPRS 4TS 190CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

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

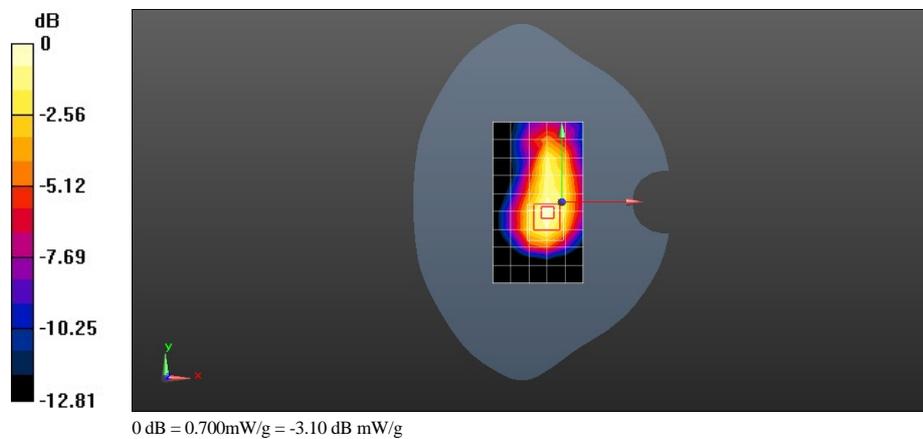
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.960 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.9860

SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.431 mW/g

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



E397Bu-501 GSM850 GPRS 1TS 190CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.967 mW/g

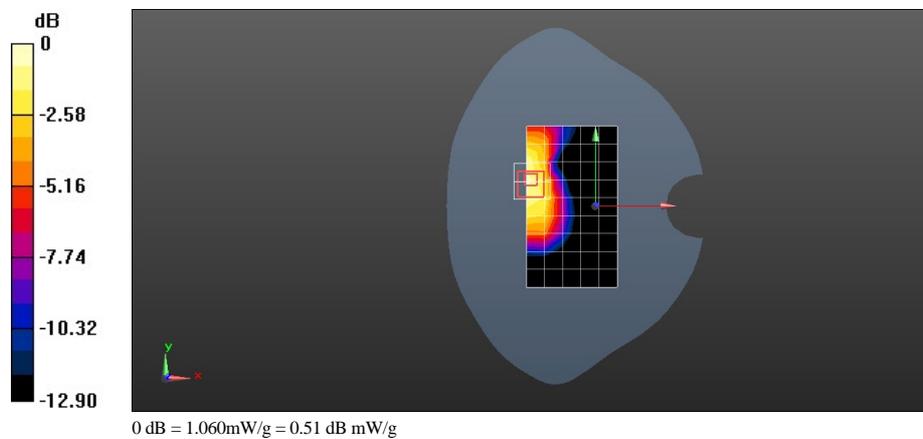
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.550 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.4940

SAR(1 g) = 0.979 mW/g; SAR(10 g) = 0.622 mW/g

Maximum value of SAR (measured) = 1.061 mW/g



E397Bu-501 GSM850 GPRS 1TS 190CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.666 mW/g

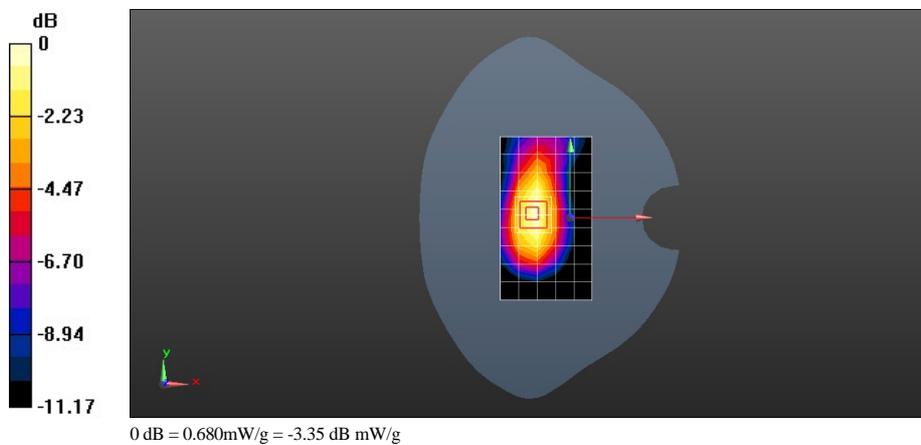
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.871 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.9560

SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.682 mW/g



E397Bu-501 GSM850 GPRS 1TS 190CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.175 mW/g

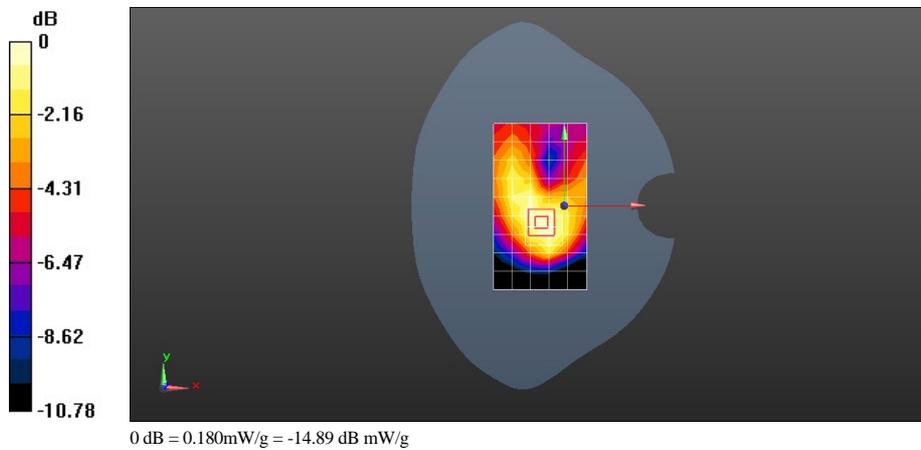
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.782 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.2580

SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.183 mW/g



E397Bu-501 GSM850 GPRS 1TS 251CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 1.019$ mho/m; $\epsilon_r = 53.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.906 mW/g

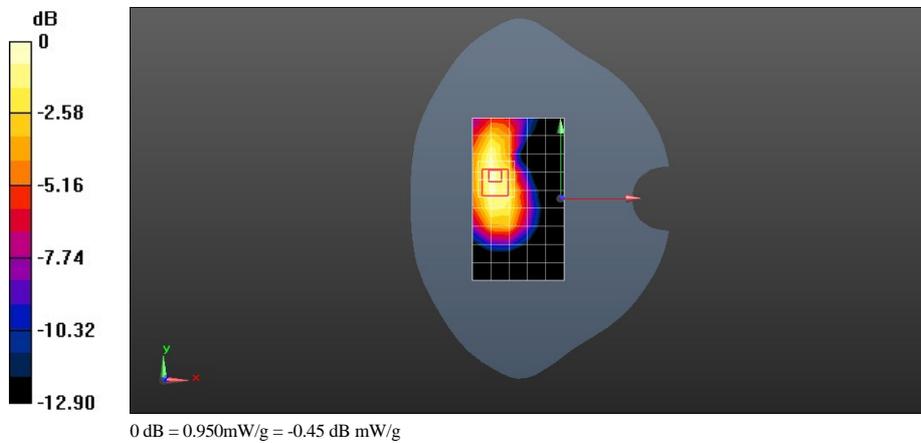
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.131 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.3420

SAR(1 g) = 0.882 mW/g; SAR(10 g) = 0.574 mW/g

Maximum value of SAR (measured) = 0.952 mW/g



E397Bu-501 GSM850 GPRS 1TS 128CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 53.612$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); 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) = 1.012 mW/g

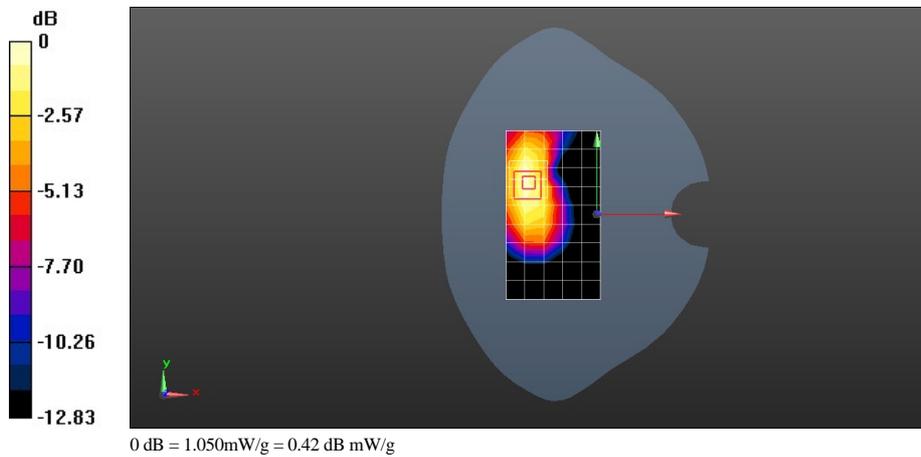
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.188 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.4820

SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.612 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.047 mW/g



E397Bu-501 GSM850 EGPRS 1TS 190CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

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

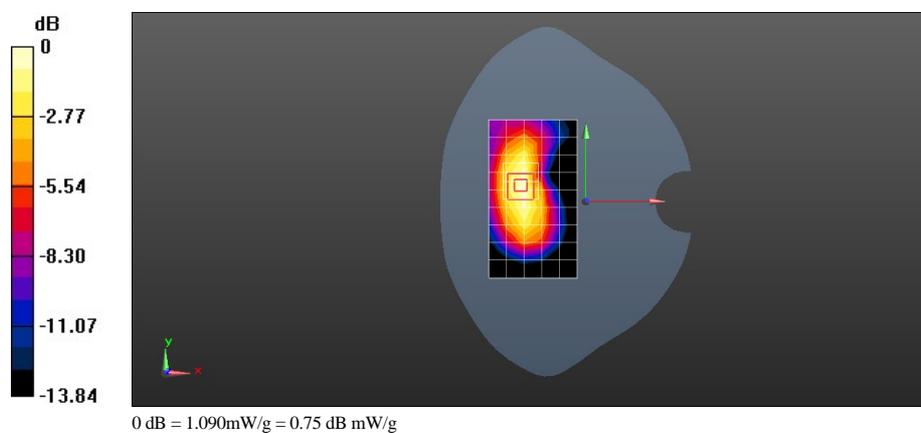
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.672 V/m; Power Drift = 0.0034 dB

Peak SAR (extrapolated) = 1.5640

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

Maximum value of SAR (measured) = 1.093 mW/g



E397Bu-501 GSM850 EGPRS 2TS 190CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.024 mW/g

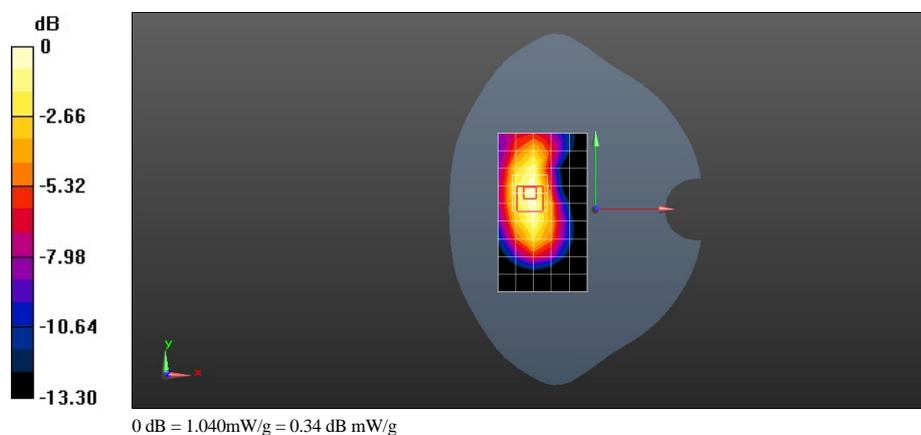
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.449 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.5000

SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.606 mW/g

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



E397Bu-501 GSM850 EGPRS 3TS 190CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.878 mW/g

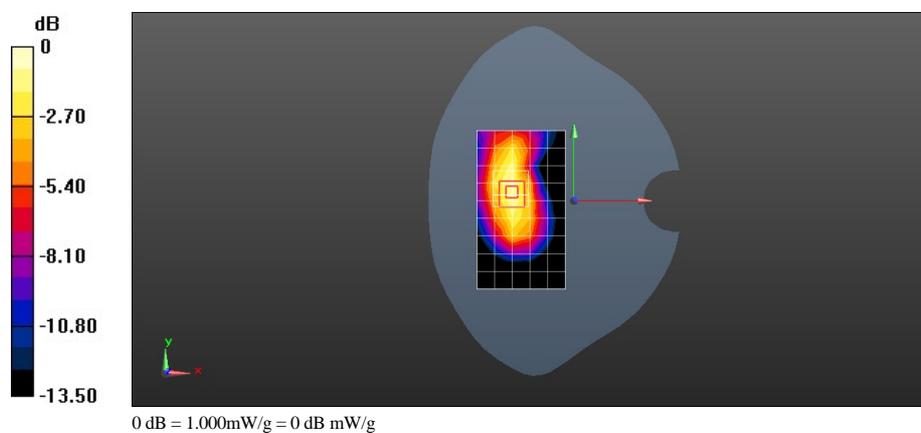
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.051 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.4300

SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.533 mW/g

Maximum value of SAR (measured) = 0.999 mW/g



E397Bu-501 GSM850 EGPRS 4TS 190CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 837$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.533$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.041 mW/g

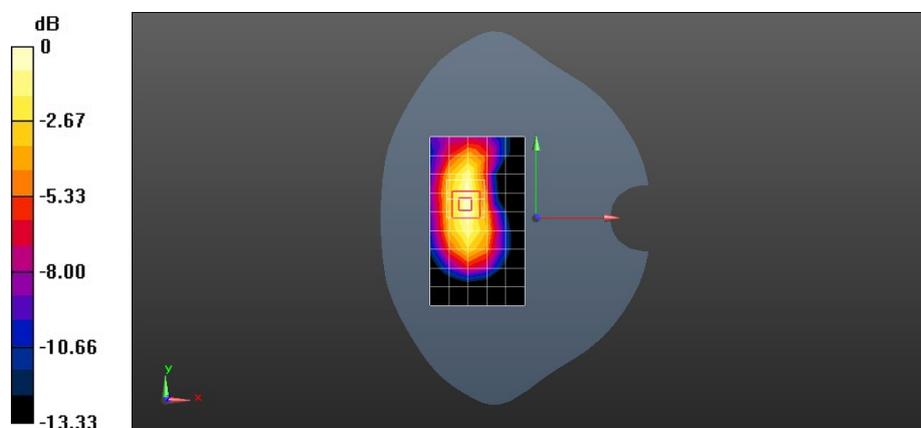
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.219 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.4660

SAR(1 g) = 0.941 mW/g; SAR(10 g) = 0.594 mW/g

Maximum value of SAR (measured) = 1.075 mW/g



0 dB = 1.070mW/g = 0.59 dB mW/g

E397Bu-501 GSM850 EGPRS 1TS 251CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 1.019$ mho/m; $\epsilon_r = 53.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 1.014 mW/g

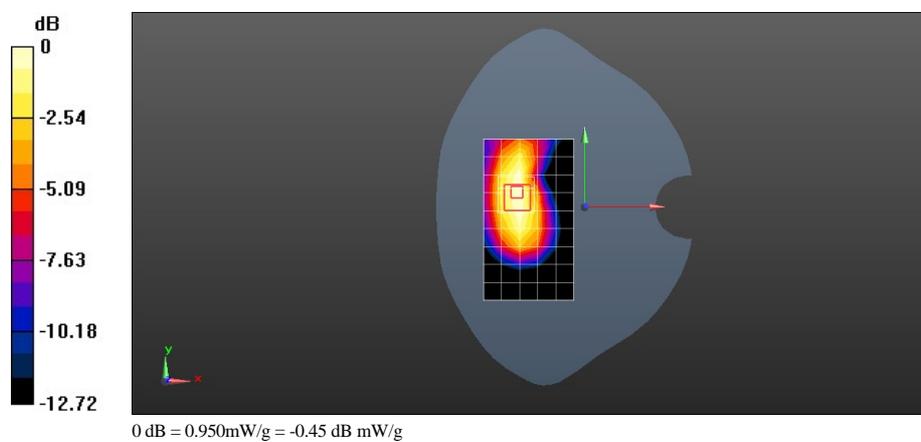
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.759 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.3450

SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.564 mW/g

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



E397Bu-501 GSM850 EGPRS 1TS 128CH Rear Side 5mm

DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 824.2 MHz
 Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 53.612$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); 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) = 1.163 mW/g

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

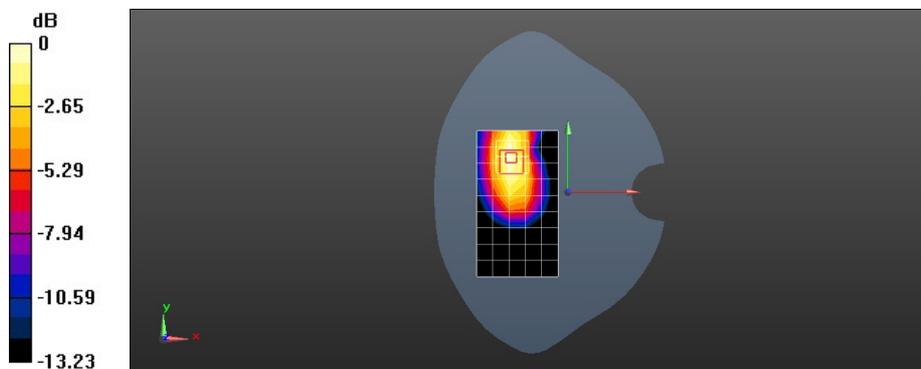
Reference Value = 9.455 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.6940

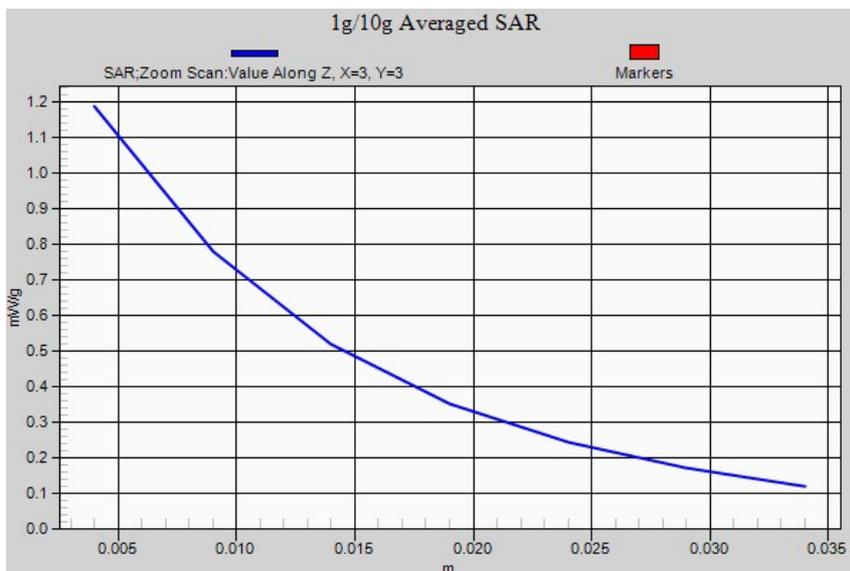
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.679 mW/g

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

Maximum value of SAR (measured) = 1.187 mW/g



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



E397Bu-501 GSM850 EGPRS 2TS 251CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 849$ MHz; $\sigma = 1.019$ mho/m; $\epsilon_r = 53.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

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

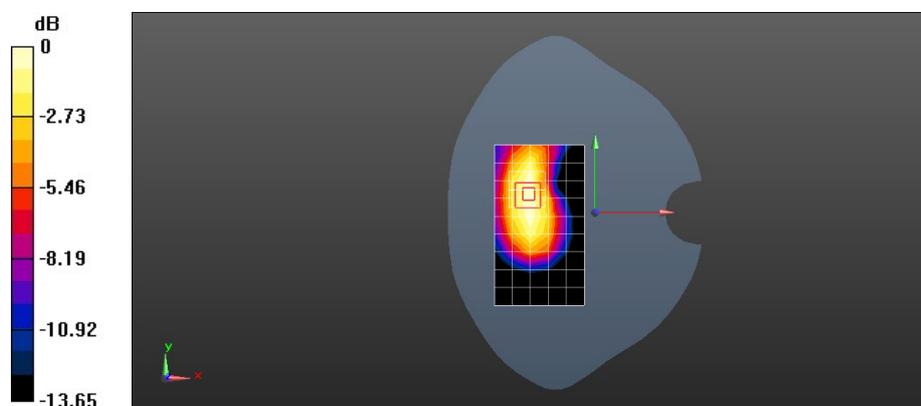
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.882 V/m; Power Drift = -0.0027 dB

Peak SAR (extrapolated) = 1.3290

SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.545 mW/g

Maximum value of SAR (measured) = 0.925 mW/g



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

E397Bu-501 GSM850 EGPRS 2TS 128CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 53.612$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); 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) = 1.098 mW/g

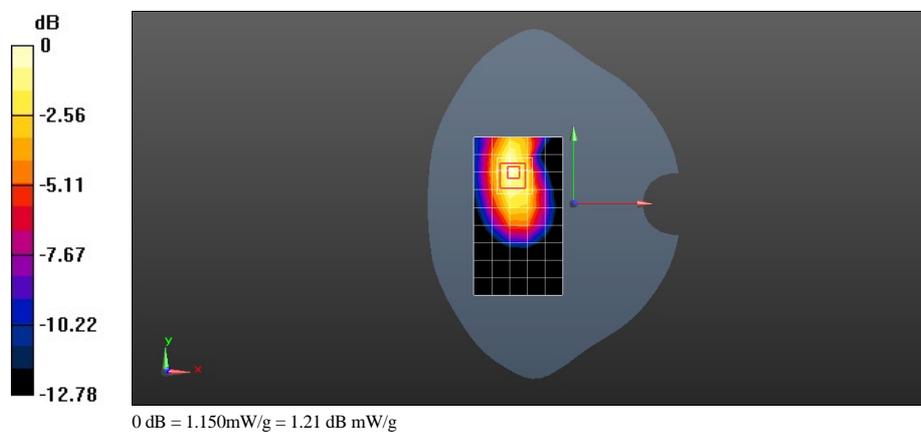
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.094 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.6590

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.665 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.151 mW/g



E397Bu-501 GSM850 EGPRS 3TS 251CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-GSM/GPRS/EDGE 3TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 1.019$ mho/m; $\epsilon_r = 53.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.866 mW/g

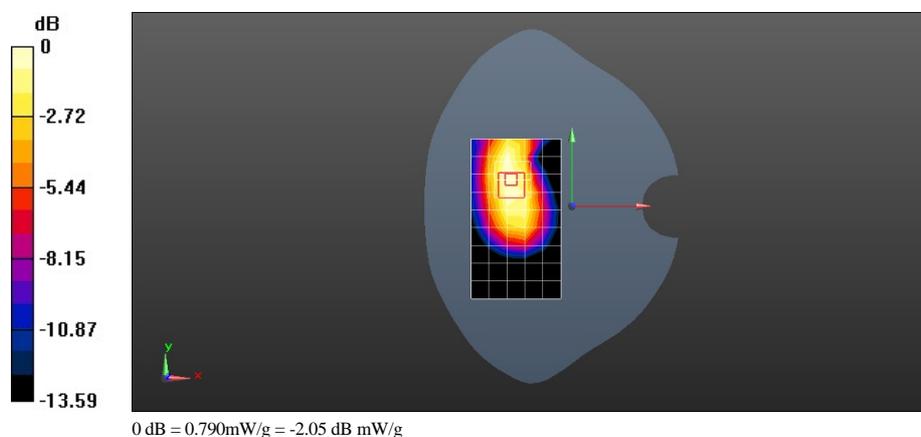
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.288 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.1240

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.468 mW/g

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



E397Bu-501 GSM850 EGPRS 3TS 128CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-GSM/GPRS/EDGE 3TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 53.612$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); 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) = 1.108 mW/g

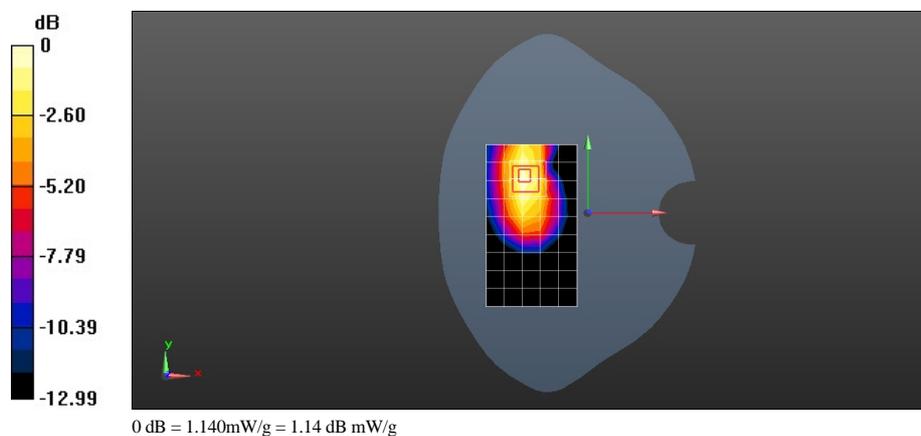
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.458 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.6670

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.638 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.136 mW/g



E397Bu-501 GSM850 EGPRS 4TS 251CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-GSM/GPRS/EDGE 4TS; Frequency: 848.8 MHz

Medium parameters used: $f = 849$ MHz; $\sigma = 1.019$ mho/m; $\epsilon_r = 53.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.905 mW/g

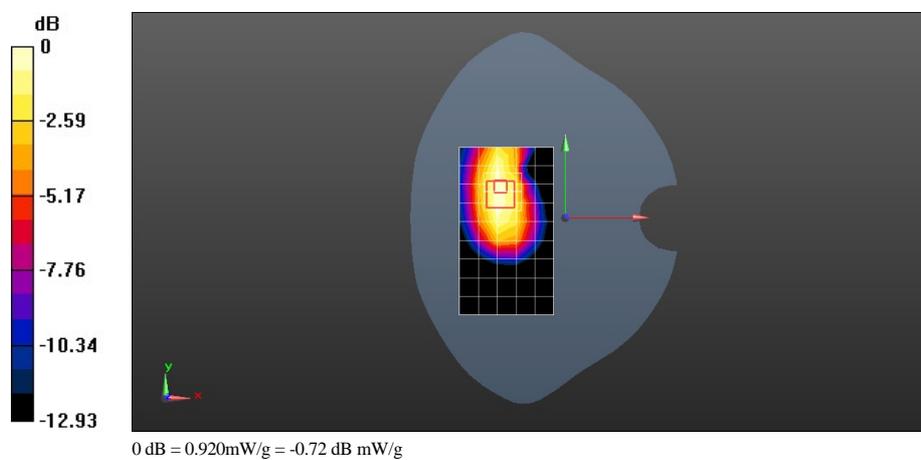
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.115 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.3170

SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.559 mW/g

Maximum value of SAR (measured) = 0.918 mW/g



E397Bu-501 GSM850 EGPRS 4TS 128CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-GSM/GPRS/EDGE 4TS; Frequency: 824.2 MHz

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 53.612$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

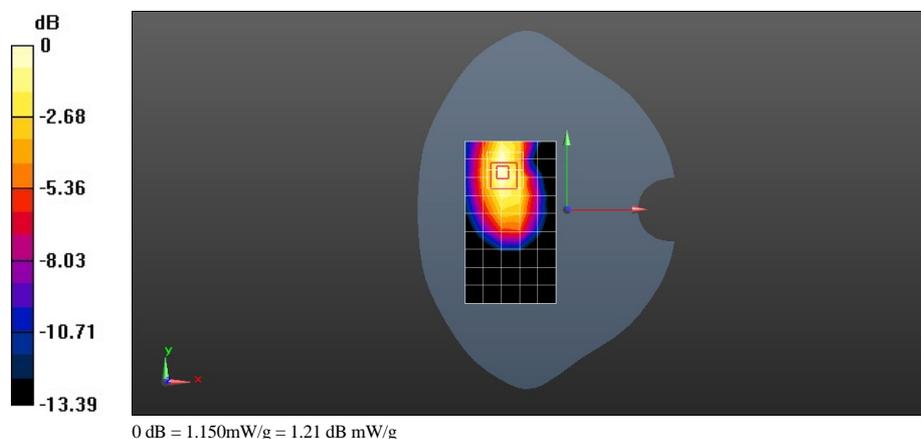
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.152 mW/g

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

Reference Value = 8.804 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.6330

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.645 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

E397Bu-501 GSM1900 GPRS 1TS 661CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.585 mW/g

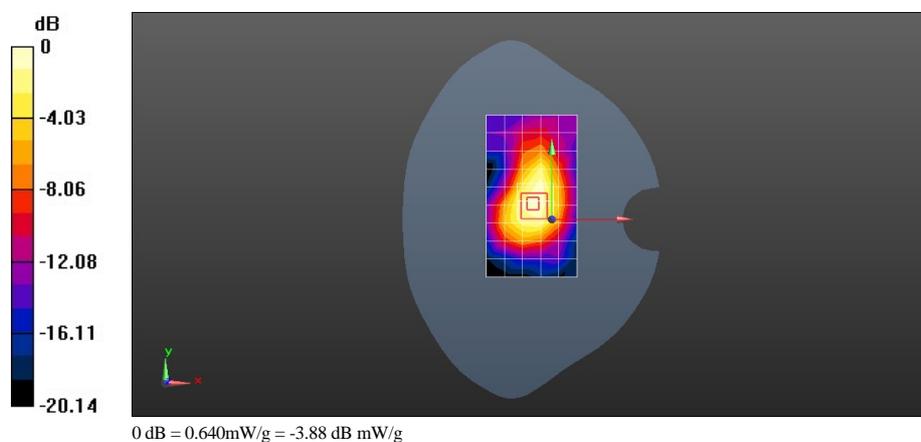
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.544 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.0700

SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.342 mW/g

Maximum value of SAR (measured) = 0.636 mW/g



E397Bu-501 GSM1900 GPRS 2TS 661CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DADAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.483 mW/g

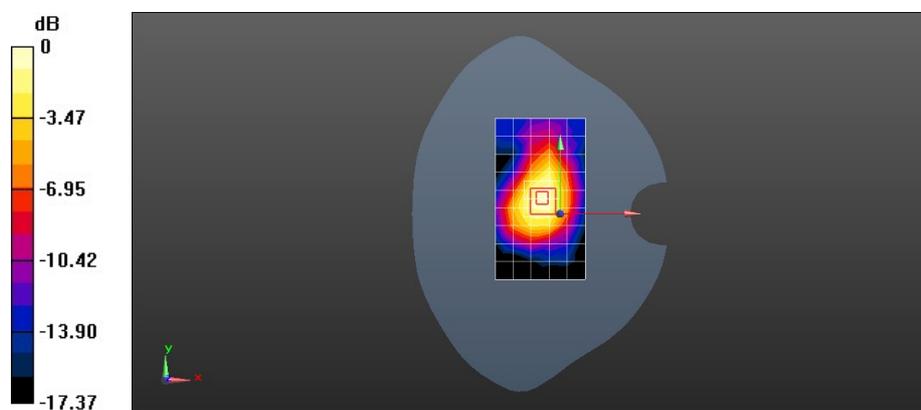
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.593 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.8850

SAR(1 g) = 0.509 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.558 mW/g



0 dB = 0.560mW/g = -5.04 dB mW/g

E397Bu-501 GSM1900 GPRS 3TS 661CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.573 mW/g

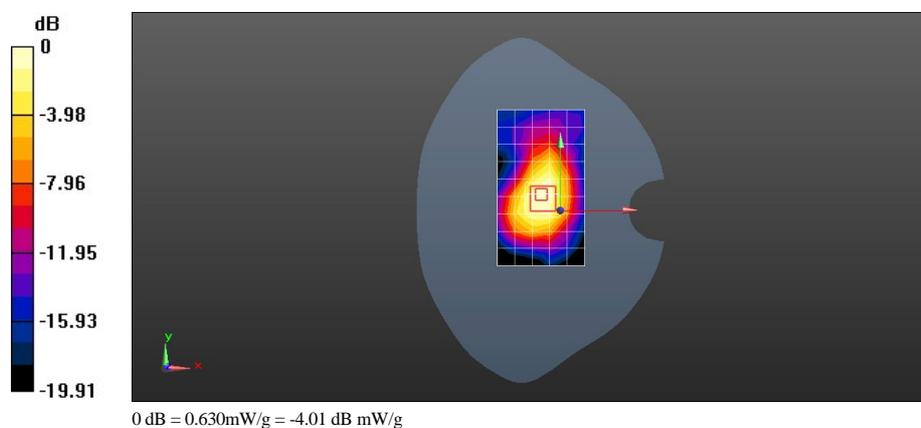
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.525 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.0310

SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.328 mW/g

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



E397Bu-501 GSM1900 GPRS 4TS 661CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.590 mW/g

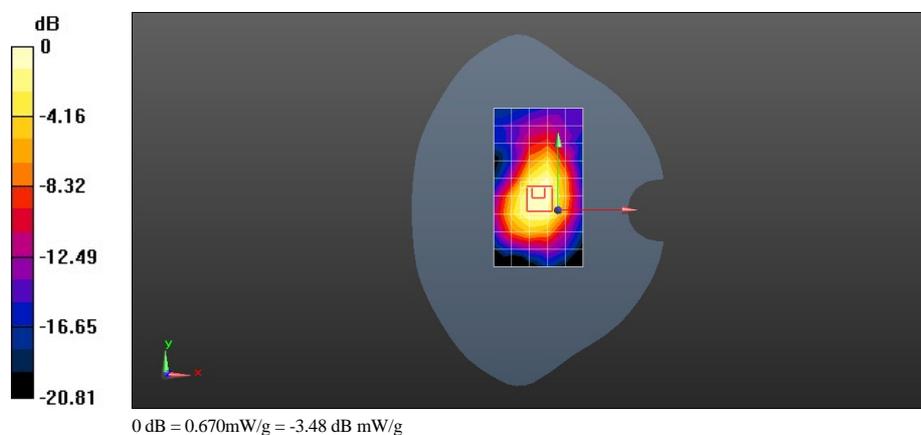
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 20.691 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.1040

SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.329 mW/g

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



E397Bu-501 GSM1900 GPRS 1TS 661CH Rear Side 5mm

DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1

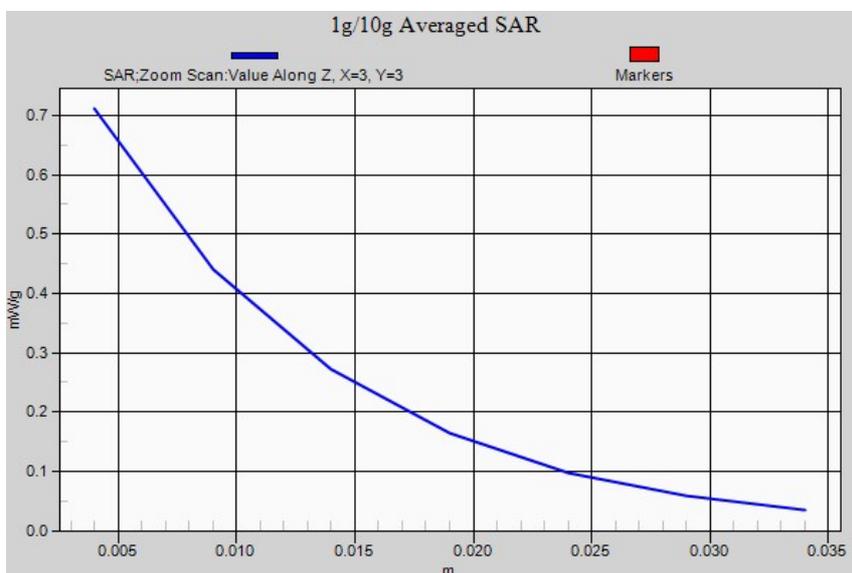
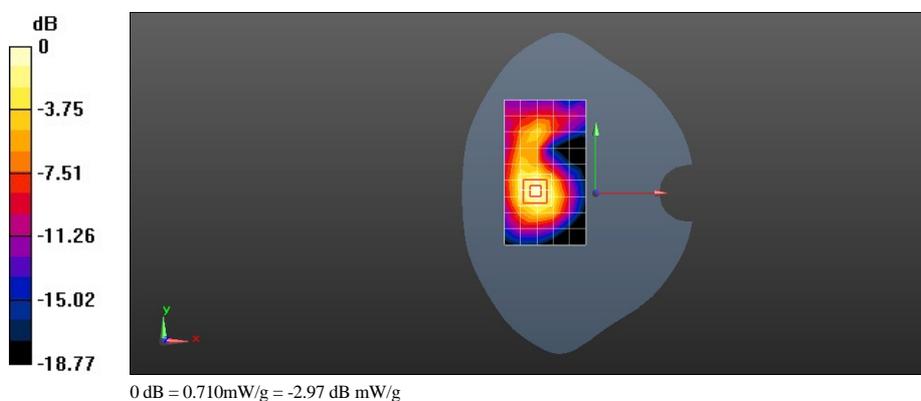
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.663 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 4.712 V/m; Power Drift = -0.11 dB
 Peak SAR (extrapolated) = 1.0420
SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.368 mW/g
 Maximum value of SAR (measured) = 0.711 mW/g



E397Bu-501 GSM1900 GPRS 1TS 661CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.375 mW/g

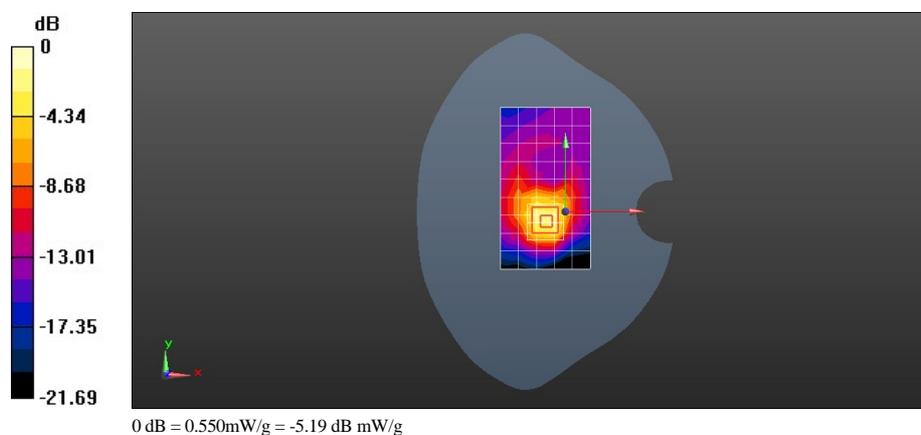
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.205 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.9120

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.234 mW/g

Maximum value of SAR (measured) = 0.552 mW/g



E397Bu-501 GSM1900 GPRS 1TS 661CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.520 mW/g

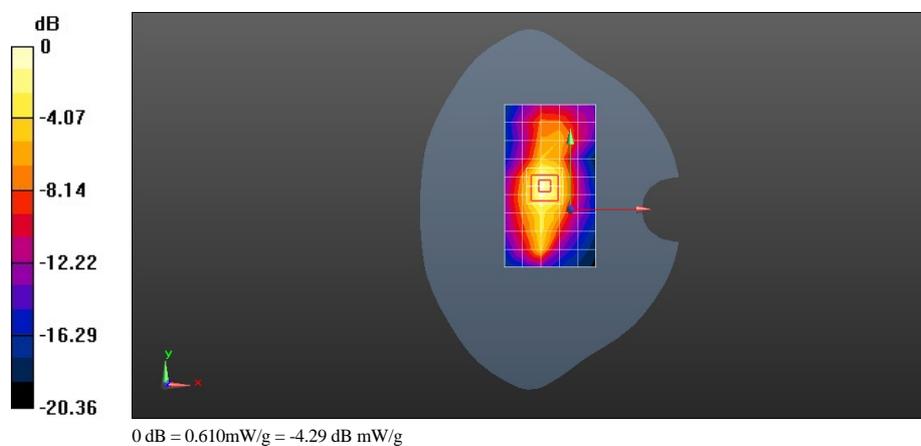
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.685 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.0170

SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.275 mW/g

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



E397Bu-501 GSM1900 EGPRS 1TS 661CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.641 mW/g

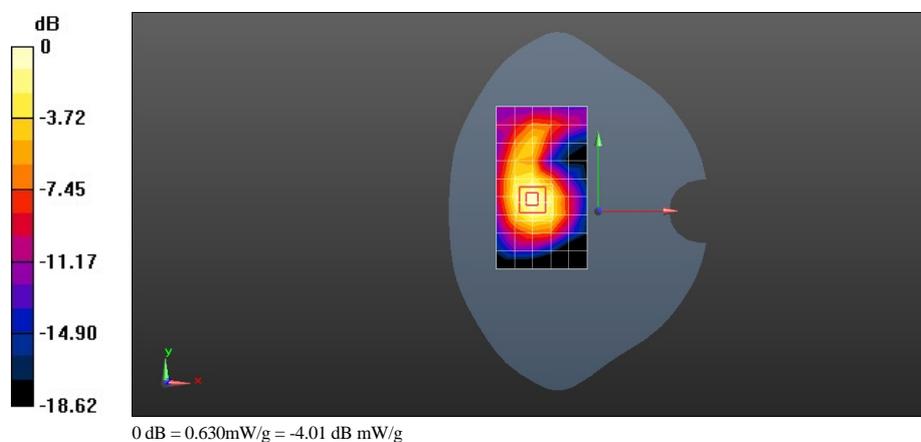
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.315 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.9490

SAR(1 g) = 0.583 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 0.630 mW/g



E397Bu-501 GSM1900 EGPRS 2TS 661CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.574 mW/g

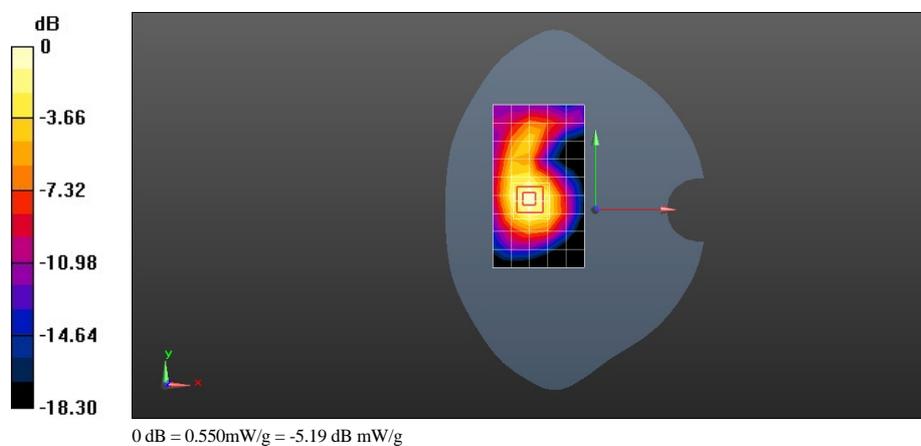
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.525 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.8030

SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.288 mW/g

Maximum value of SAR (measured) = 0.546 mW/g



E397Bu-501 GSM1900 EGPRS 3TS 661CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.505 mW/g

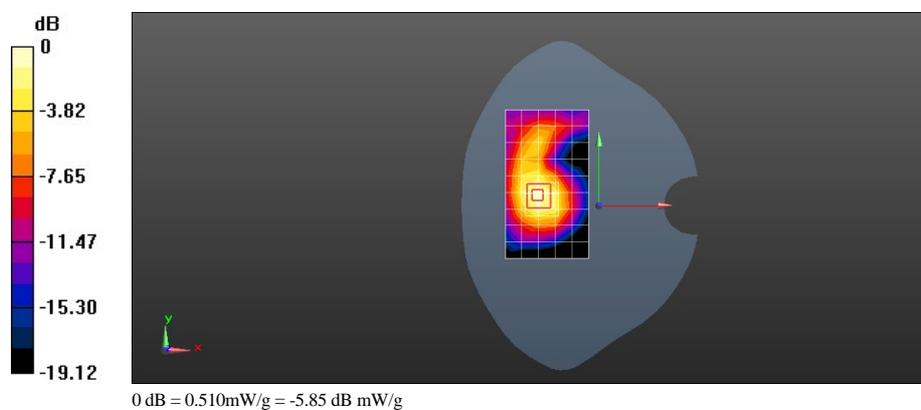
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.495 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.7530

SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.510 mW/g



E397Bu-501 GSM1900 EGPRS 4TS 661CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.538 mW/g

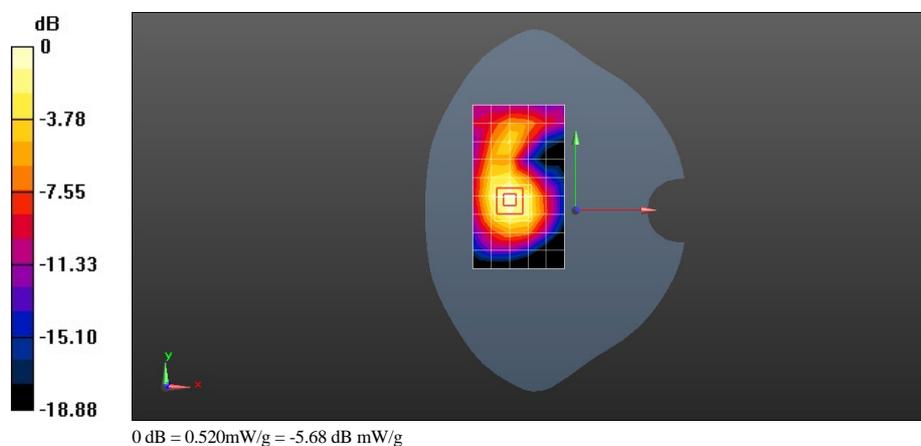
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.710 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.7870

SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.279 mW/g

Maximum value of SAR (measured) = 0.522 mW/g



E397Bu-501 WCDMA850 4182CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.777 mW/g

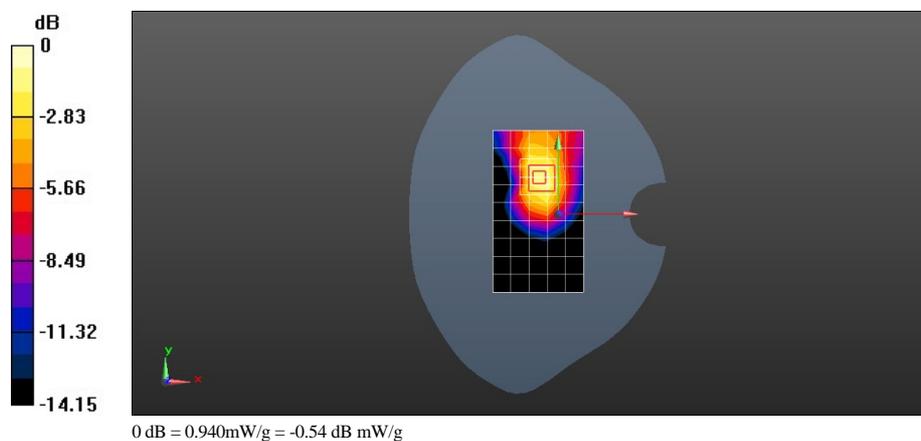
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.901 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.4650

SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.492 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

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



E397Bu-501 WCDMA850 4182CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.938 mW/g

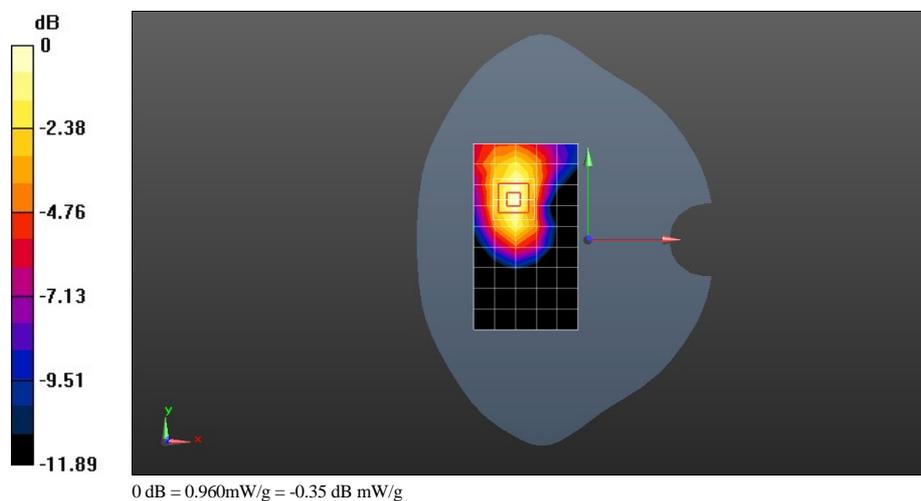
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.173 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.3780

SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.559 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.961 mW/g



E397Bu-501 WCDMA850 4182CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.198 mW/g

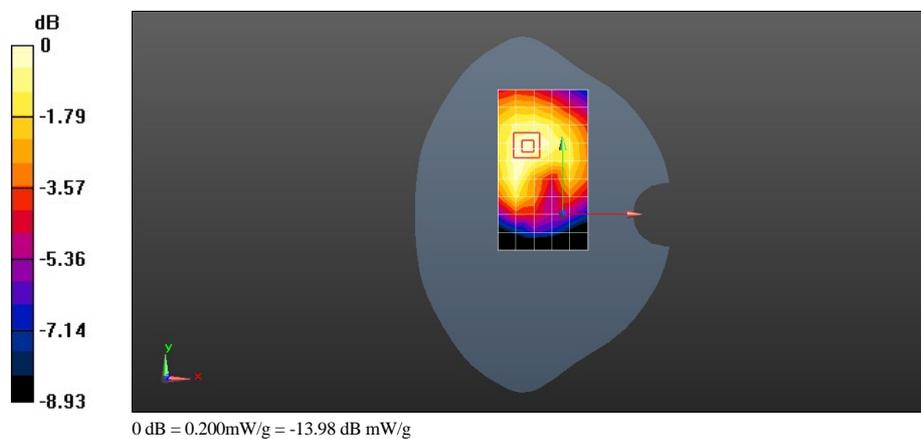
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.405 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.2650

SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.130 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.197 mW/g



E397Bu-501 WCDMA850 4182CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.521 mW/g

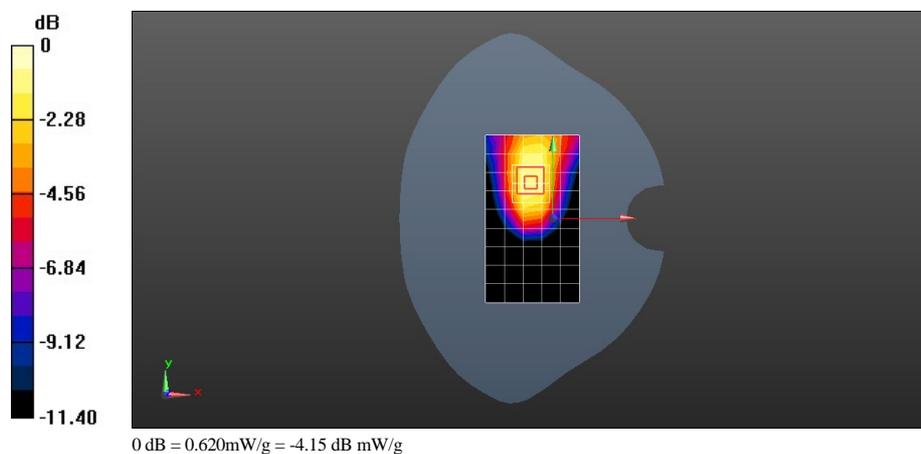
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.958 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.8890

SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.362 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.619 mW/g



E397Bu-501 WCDMA850 4233CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 847$ MHz; $\sigma = 1.032$ mho/m; $\epsilon_r = 53.316$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.737 mW/g

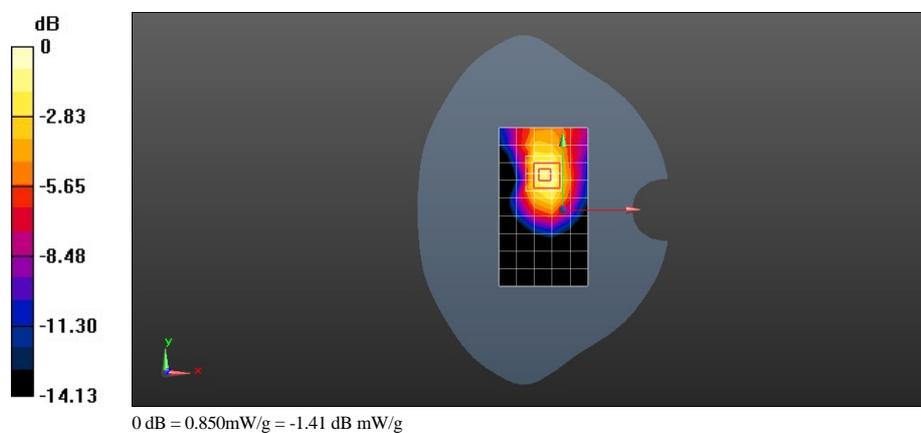
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.826 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.3260

SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.455 mW/g

Maximum value of SAR (measured) = 0.851 mW/g



E397Bu-501 WCDMA850 4132CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.712$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.802 mW/g

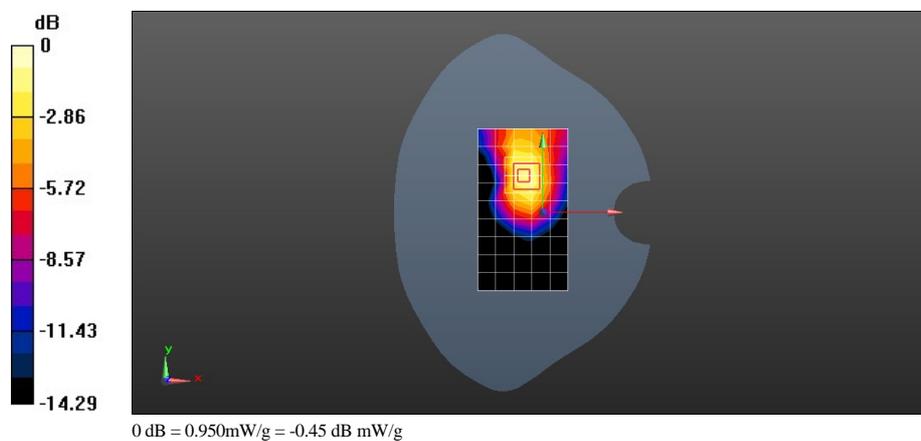
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.064 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.4670

SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.507 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

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



E397Bu-501 WCDMA850 4233CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

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

Medium parameters used: $f = 847$ MHz; $\sigma = 1.032$ mho/m; $\epsilon_r = 53.316$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.893 mW/g

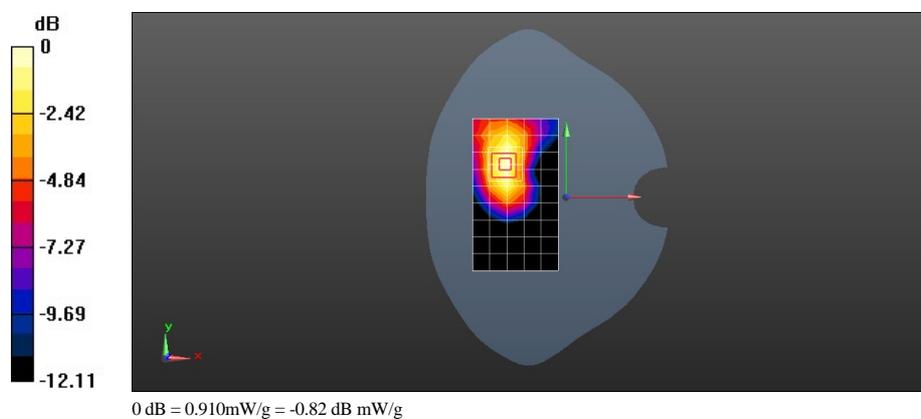
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.058 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.2840

SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (measured) = 0.906 mW/g



E397Bu-501 WCDMA850 4132CH Rear Side 5mm

DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 826.4 MHz
 Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.712$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 1.009 mW/g

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

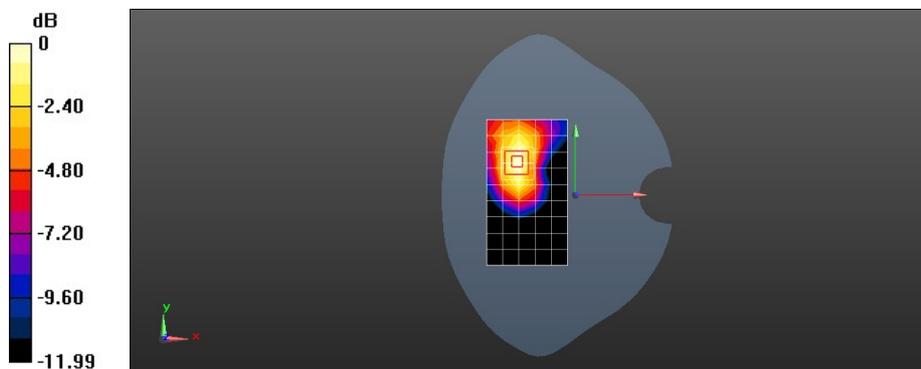
Reference Value = 6.036 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.4490

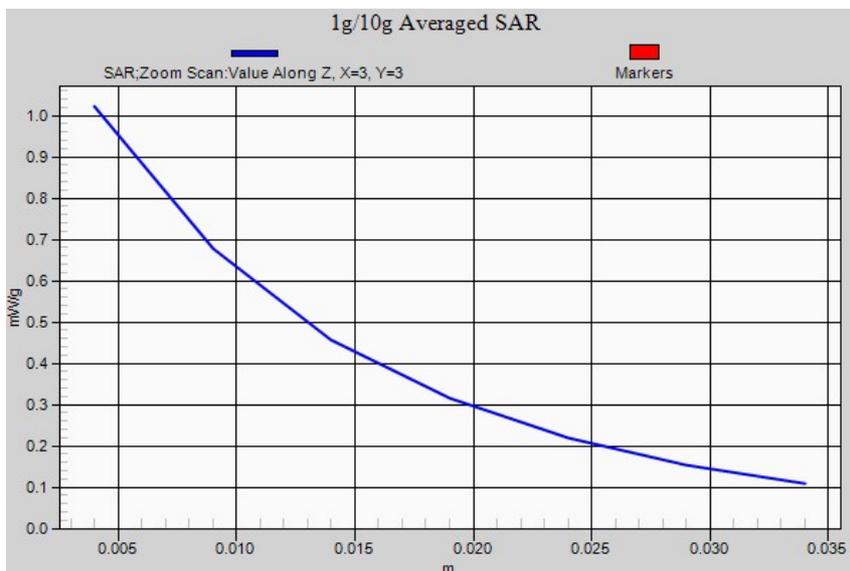
SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.590 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.022 mW/g



0 dB = 1.020mW/g = 0.17 dB mW/g



E397Bu-501 WCDMA1900 9400CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.901 mW/g

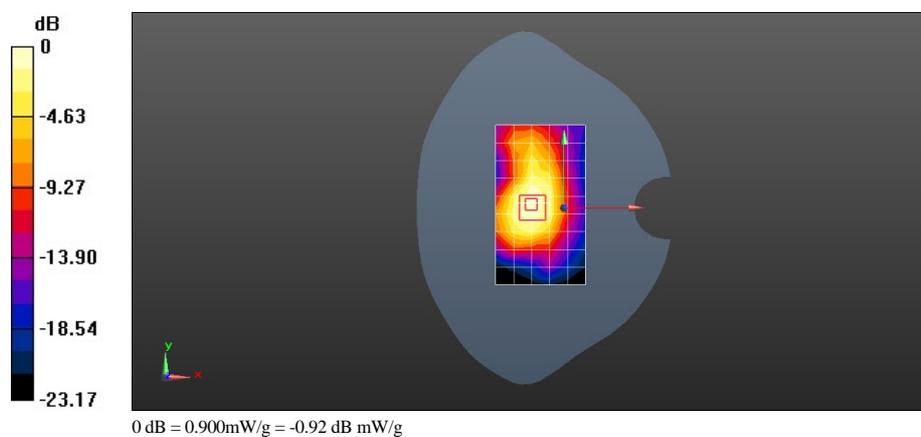
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 21.969 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.4700

SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.476 mW/g

Maximum value of SAR (measured) = 0.904 mW/g



E397Bu-501 WCDMA1900 9400CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.819 mW/g

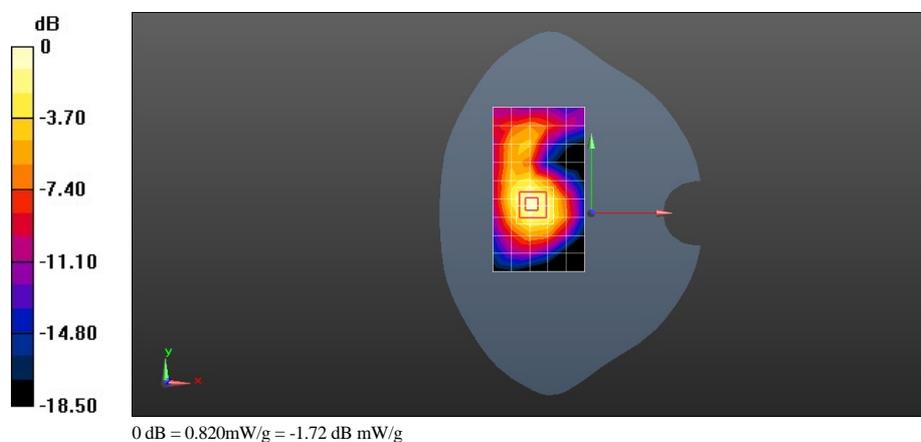
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.997 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.2340

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.439 mW/g

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



E397Bu-501 WCDMA1900 9400CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.659 mW/g

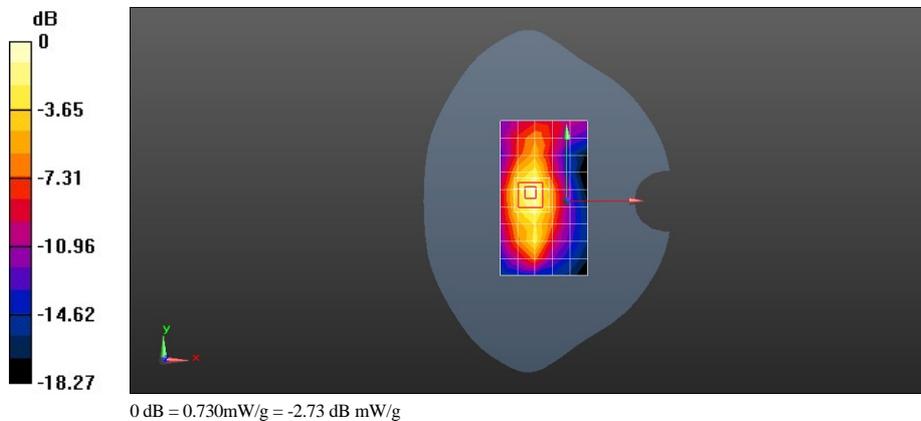
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.675 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.2160

SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.725 mW/g



E397Bu-501 WCDMA1900 9400CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.569$ mho/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.603 mW/g

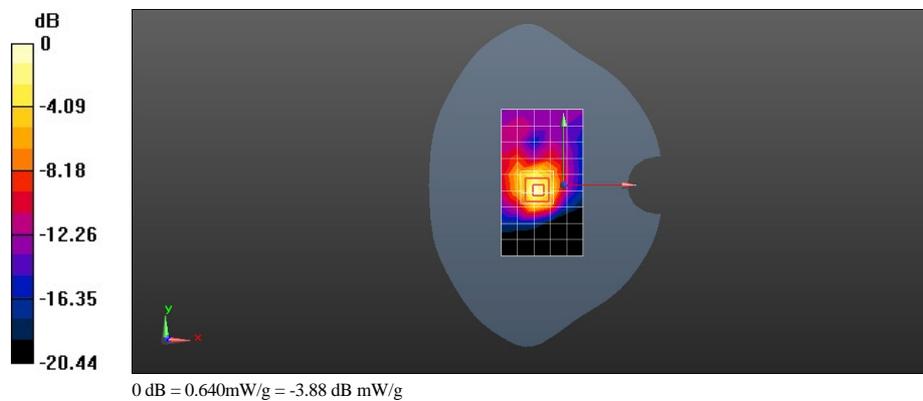
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.325 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.0750

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 0.637 mW/g



E397Bu-501 WCDMA1900 9538CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1907.6 MHz

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.594$ mho/m; $\epsilon_r = 51.902$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.942 mW/g

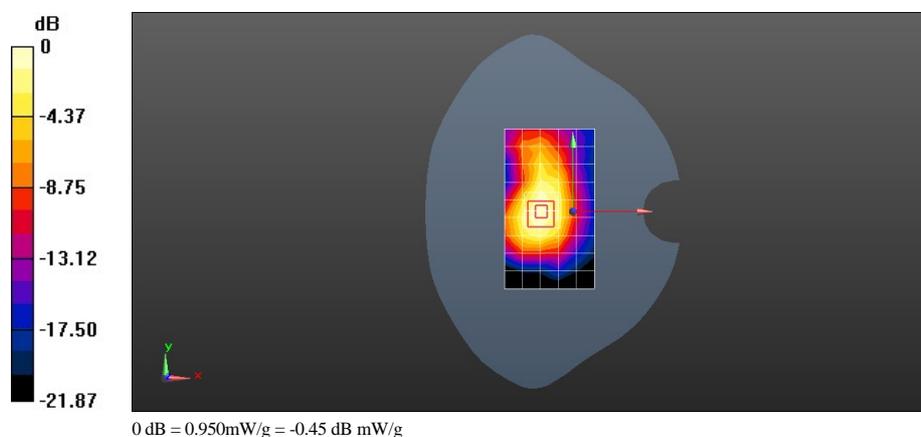
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.224 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.5280

SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.506 mW/g

Maximum value of SAR (measured) = 0.955 mW/g



E397Bu-501 WCDMA1900 9262CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1852.4 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 52.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- 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) = 0.925 mW/g

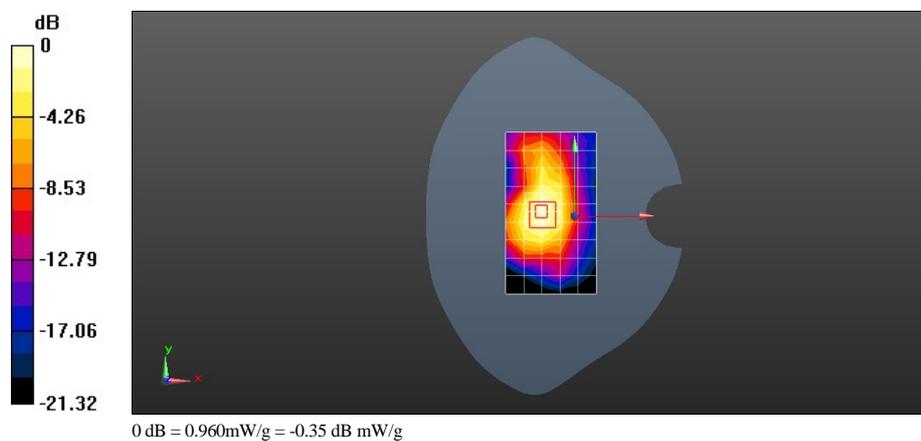
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.185 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.5490

SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.503 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.959 mW/g



E397Bu-501 LTE Band IV 20M QPSK 50%RB#25 20175CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.771 mW/g

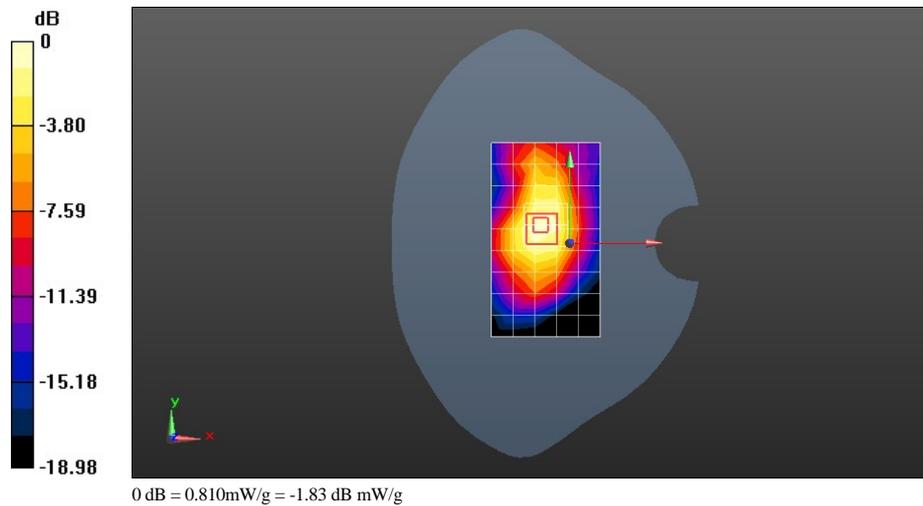
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.029 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.2820

SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.439 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.813 mW/g



E397Bu-501 LTE Band IV 20M QPSK 50%RB#25 20175CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.693 mW/g

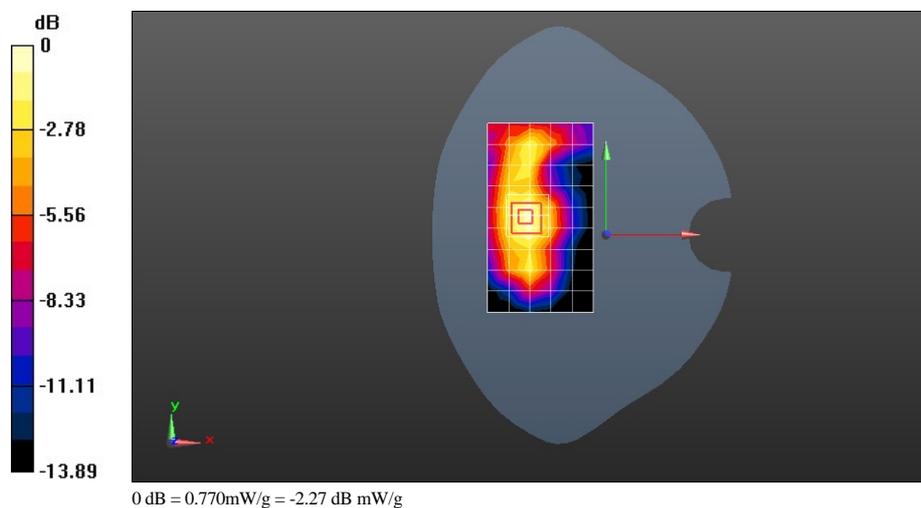
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.022 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.1130

SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.424 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

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



E397Bu-501 LTE Band IV 20M QPSK 50%RB#25 20175CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.817 mW/g

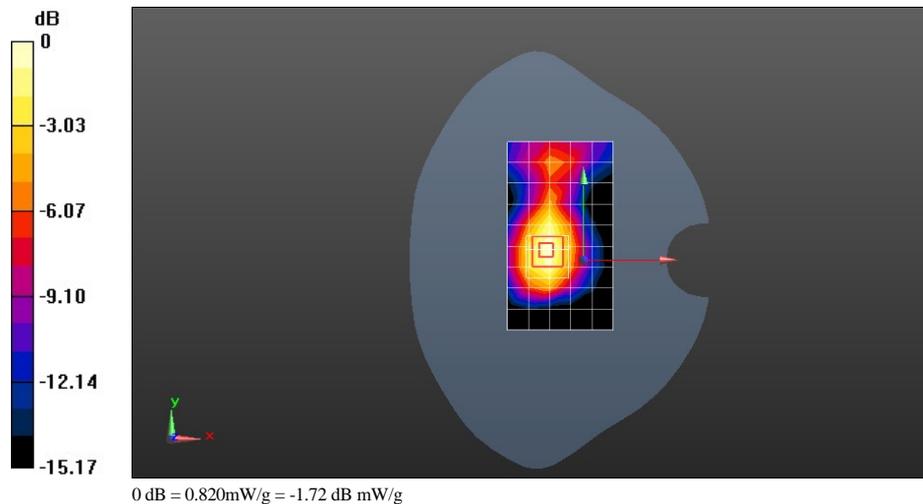
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.706 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.2190

SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.442 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.819 mW/g



E397Bu-501 LTE Band IV 20M QPSK 50%RB#25 20175CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.434 mW/g

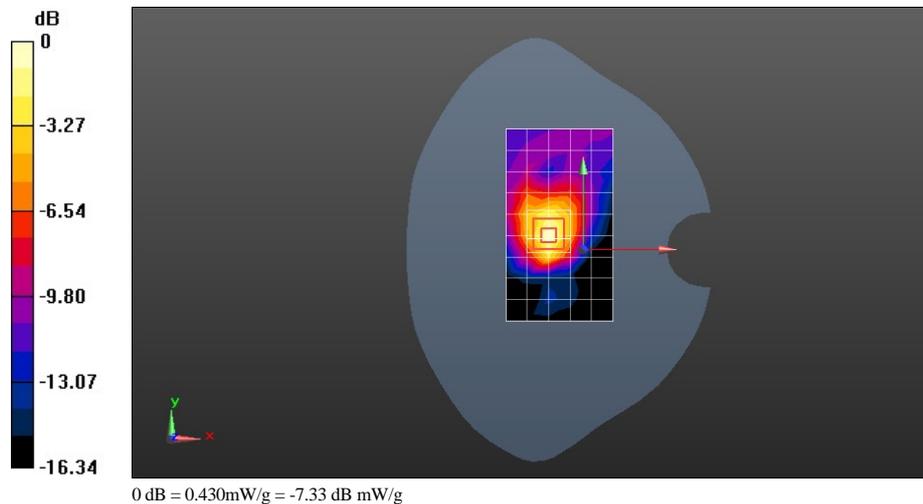
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.129 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.6890

SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.201 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.429 mW/g



E397Bu-501 LTE Band IV 20M QPSK 1RB#0 20300CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1745 MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.544$ mho/m; $\epsilon_r = 51.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

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

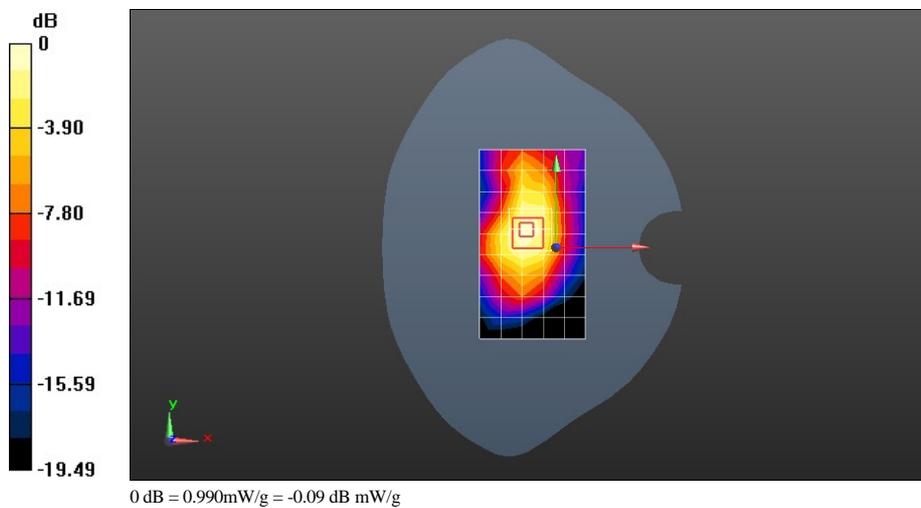
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.452 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.5760

SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.528 mW/g

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



E397Bu-501 LTE Band IV 20M QPSK 1RB#0 20300CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1745 MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.544$ mho/m; $\epsilon_r = 51.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.816 mW/g

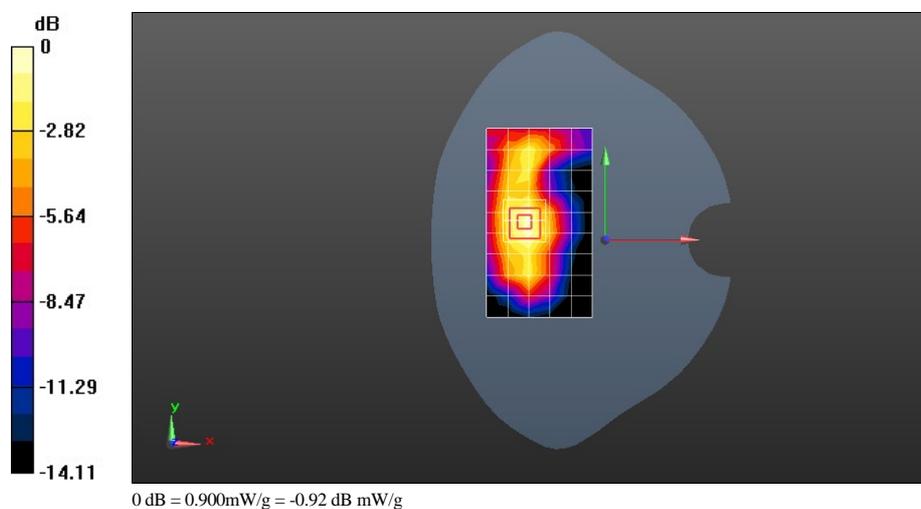
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.311 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.3190

SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.499 mW/g

Maximum value of SAR (measured) = 0.899 mW/g



E397Bu-501 LTE Band IV 20M QPSK 1RB#0 20300CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1745 MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.544$ mho/m; $\epsilon_r = 51.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

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

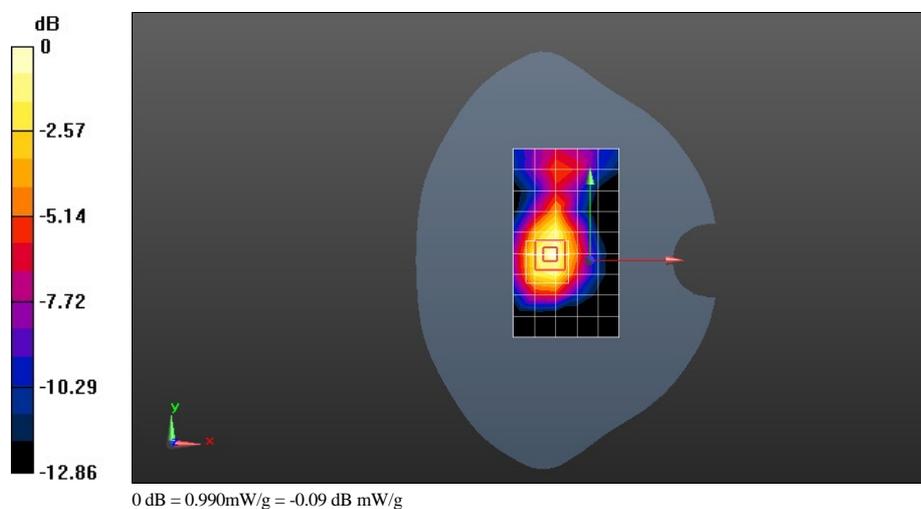
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.655 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.4900

SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.543 mW/g

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



E397Bu-501 LTE Band IV 20M QPSK 1RB#0 20300CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1745 MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.544$ mho/m; $\epsilon_r = 51.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.533 mW/g

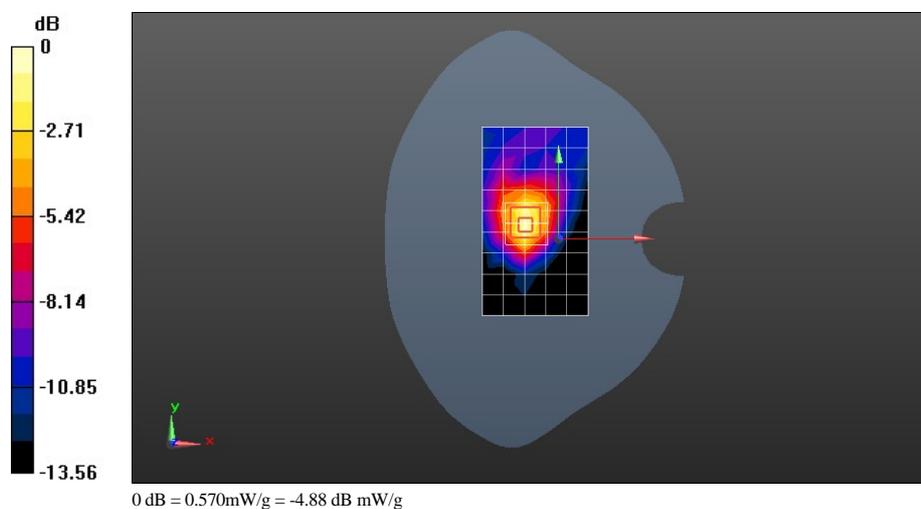
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.792 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.8990

SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.568 mW/g



E397Bu-501 LTE Band IV 20M QPSK 1RB#99 20050CH Front Side 5mm

DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1

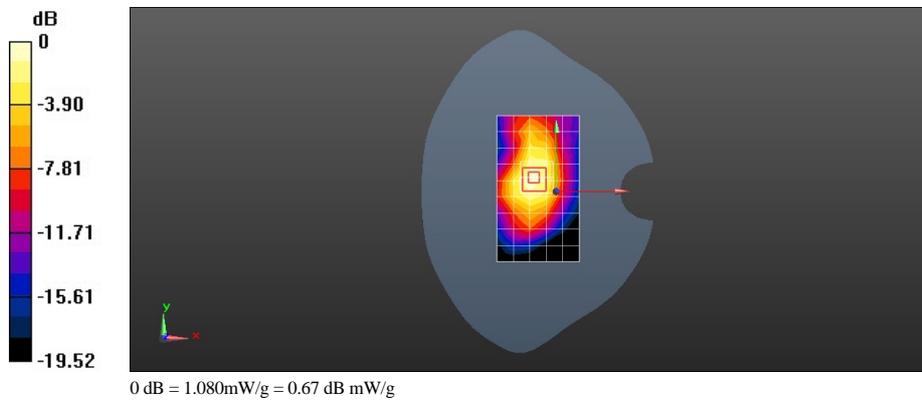
Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1720 MHz
 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 52.029$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (6x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 1.034 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 23.720 V/m; Power Drift = 0.09 dB
 Peak SAR (extrapolated) = 1.6870
SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.576 mW/g
 Maximum value of SAR (measured) = 1.079 mW/g



E397Bu-501 LTE Band IV 20M QPSK 1RB#99 20050CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 52.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

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

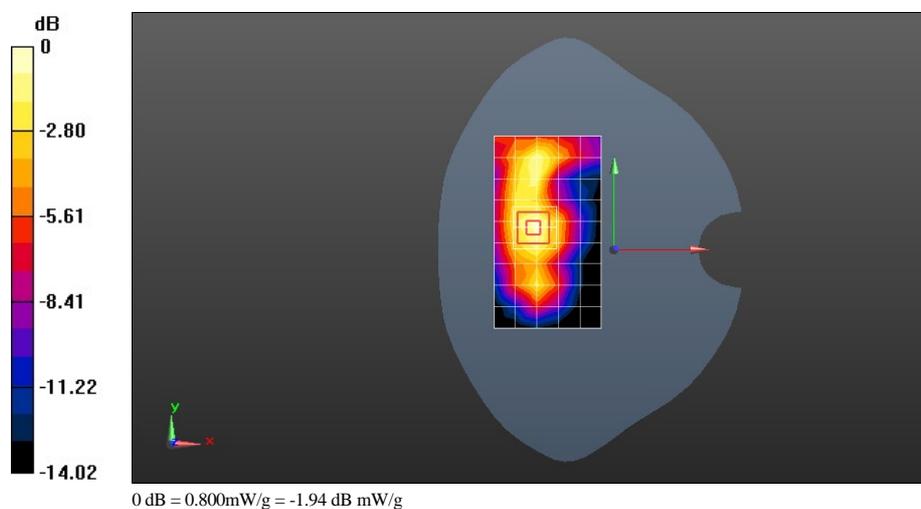
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.972 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.1510

SAR(1 g) = 0.726 mW/g; SAR(10 g) = 0.430 mW/g

Maximum value of SAR (measured) = 0.795 mW/g



E397Bu-501 LTE Band IV 20M QPSK 1RB#99 20050CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 52.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.960 mW/g

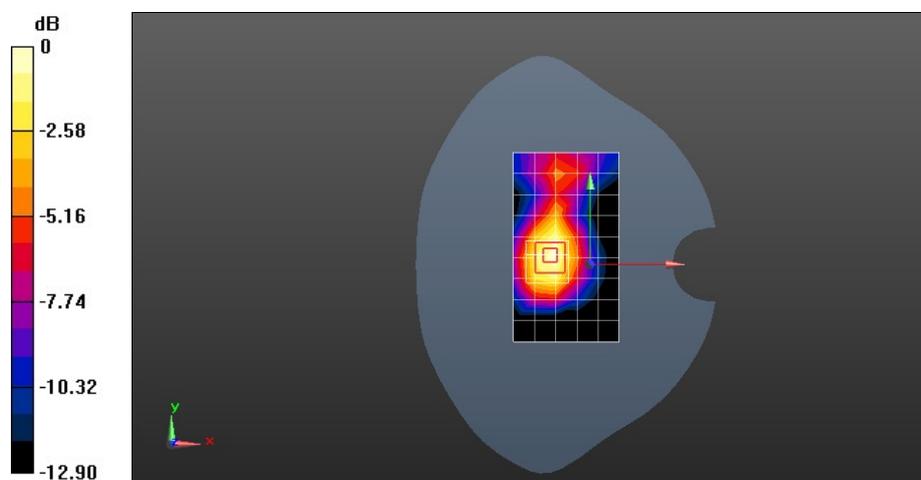
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.836 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.5060

SAR(1 g) = 0.935 mW/g; SAR(10 g) = 0.557 mW/g

Maximum value of SAR (measured) = 1.009 mW/g



E397Bu-501 LTE Band IV 20M QPSK 1RB#99 20050CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 52.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.508 mW/g

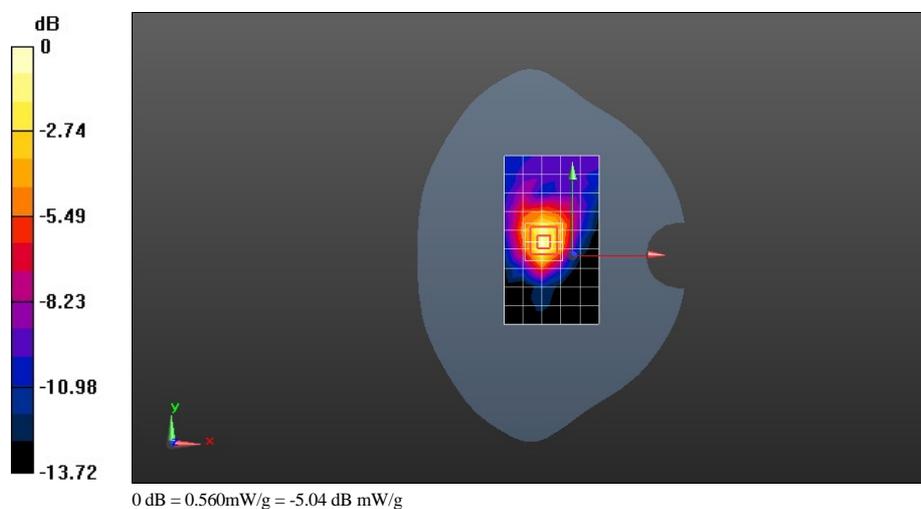
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.334 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.8790

SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.265 mW/g

Maximum value of SAR (measured) = 0.557 mW/g



E397Bu-501 LTE Band IV 20M 16QAM 50%RB#25 20175CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.666 mW/g

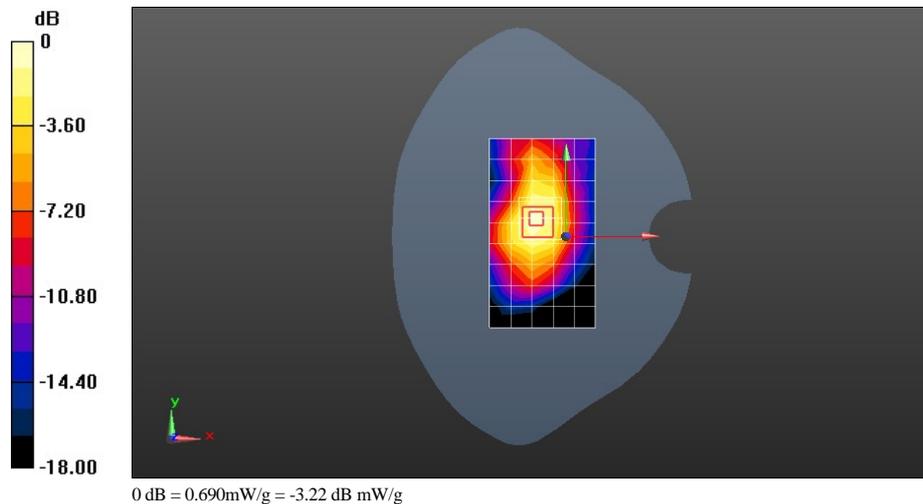
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.142 V/m; Power Drift = 0.0018 dB

Peak SAR (extrapolated) = 1.0790

SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.367 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.687 mW/g



E397Bu-501 LTE Band IV 20M 16QAM 50%RB#25 20175CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.550 mW/g

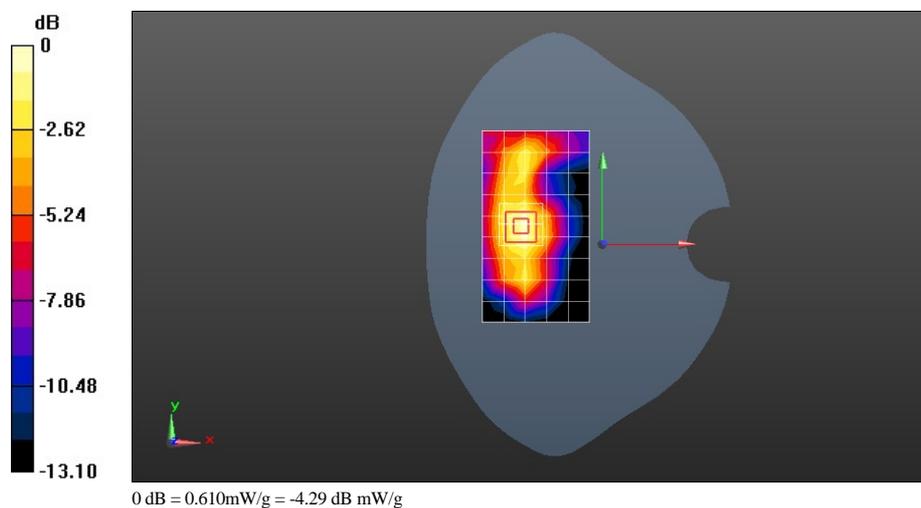
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.839 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.8900

SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.335 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.613 mW/g



E397Bu-501 LTE Band IV 20M 16QAM 50%RB#25 20175CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.634 mW/g

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

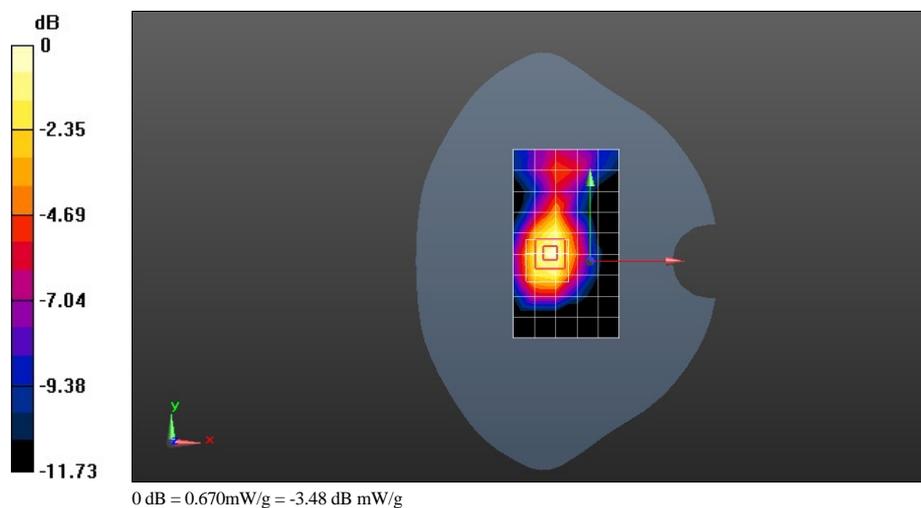
Reference Value = 16.883 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.9990

SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.375 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



E397Bu-501 LTE Band IV 20M 16QAM 50%RB#25 20175CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.338 mW/g

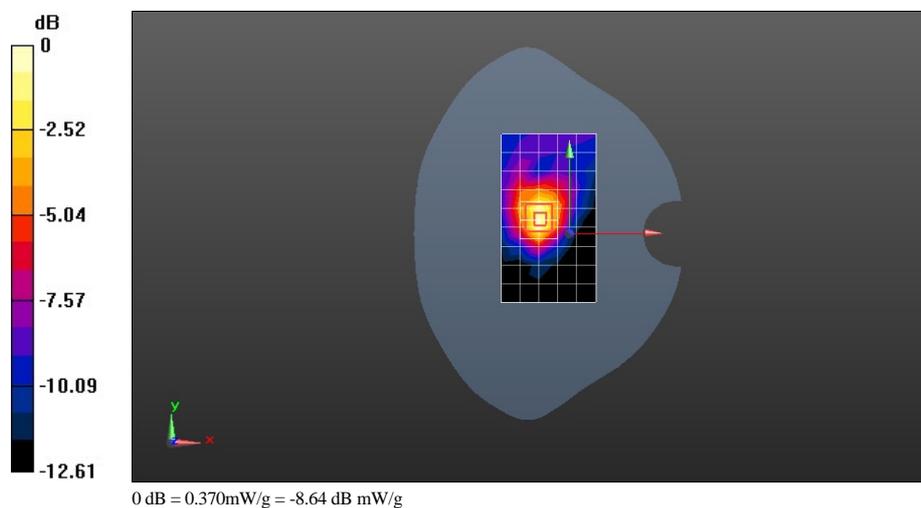
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.829 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.5870

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.180 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

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



E397Bu-501 LTE Band IV 20M 16QAM 1RB#0 20175CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.841 mW/g

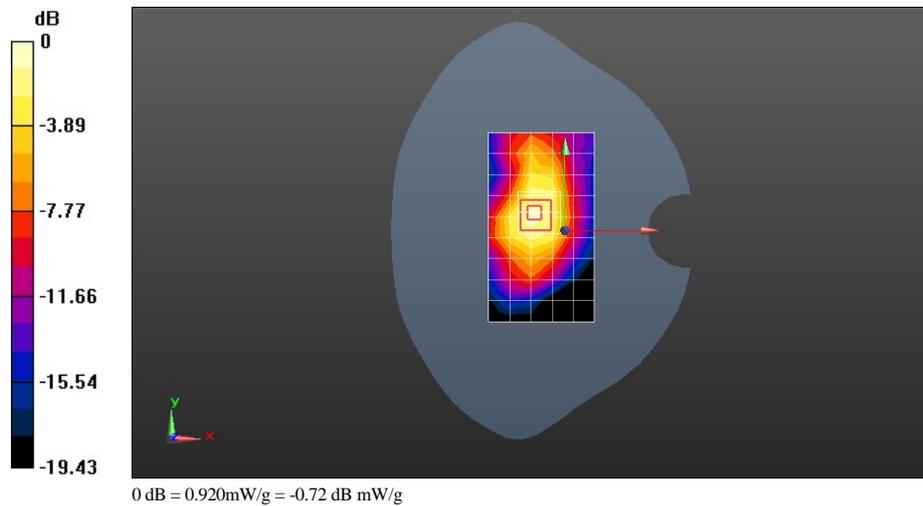
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.383 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.4980

SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.477 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.919 mW/g



E397Bu-501 LTE Band IV 20M 16QAM 1RB#0 20175CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DADAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.718 mW/g

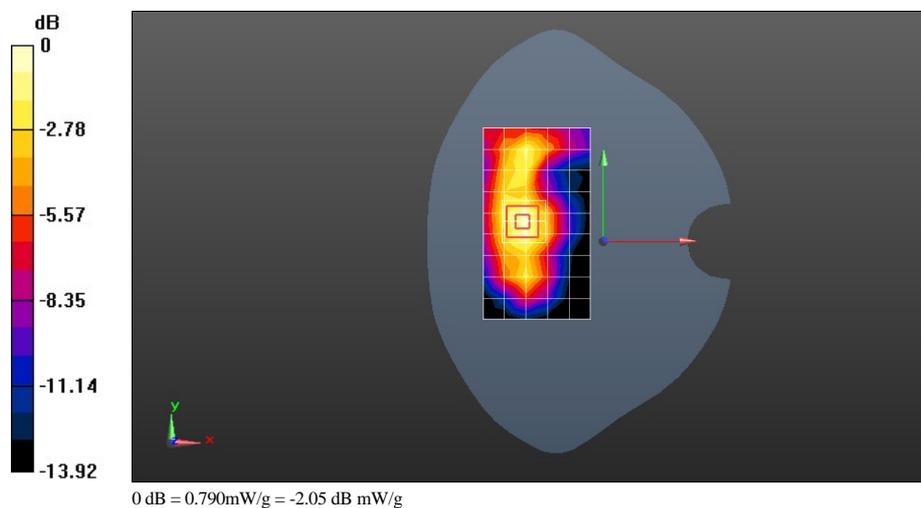
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.093 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.1260

SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.430 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.786 mW/g



E397Bu-501 LTE Band IV 20M 16QAM 1RB#0 20175CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.794 mW/g

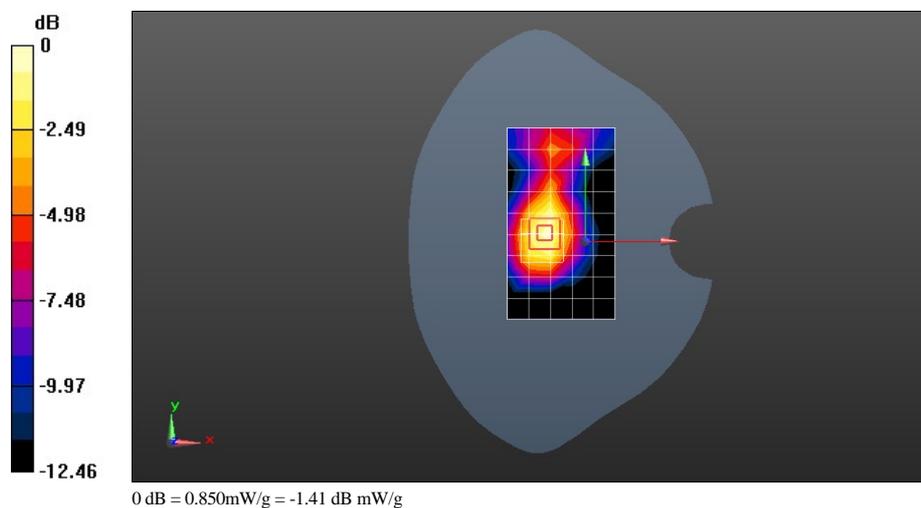
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.716 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.2620

SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.469 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

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



E397Bu-501 LTE Band IV 20M 16QAM 1RB#0 20175CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1732.5 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.538$ mho/m; $\epsilon_r = 51.953$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); 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) = 0.399 mW/g

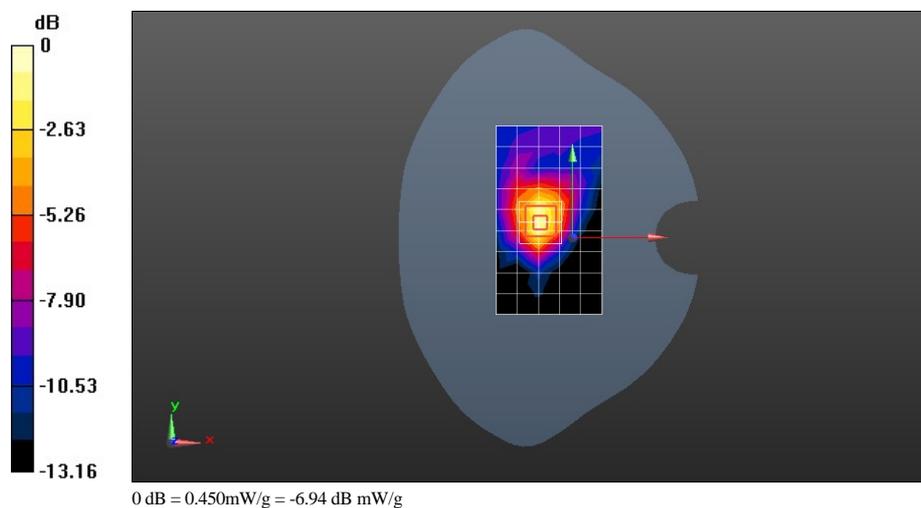
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.245 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.7210

SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.217 mW/g**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.455 mW/g



E397Bu-501 LTE Band IV 20M 16QAM 1RB#99 20050CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 52.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.854 mW/g

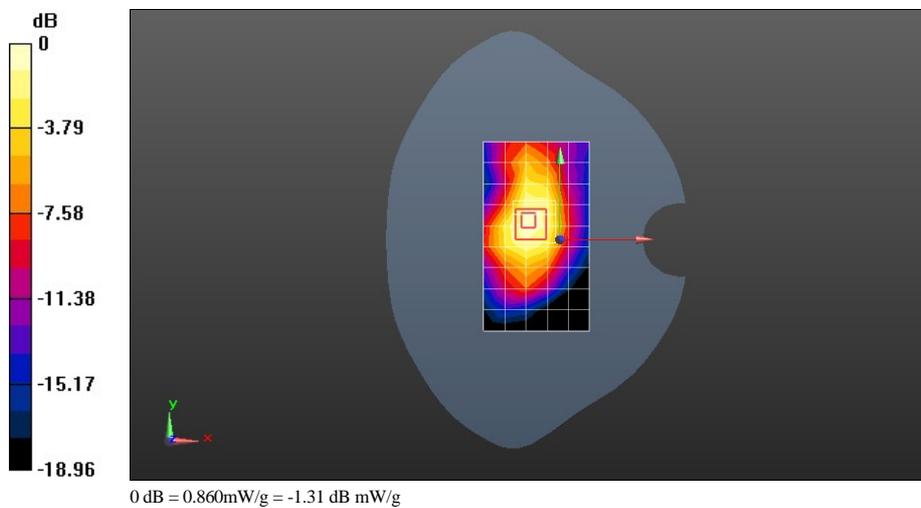
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.203 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.4130

SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.472 mW/g

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



E397Bu-501 LTE Band IV 20M 16QAM 1RB#99 20050CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 52.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.716 mW/g

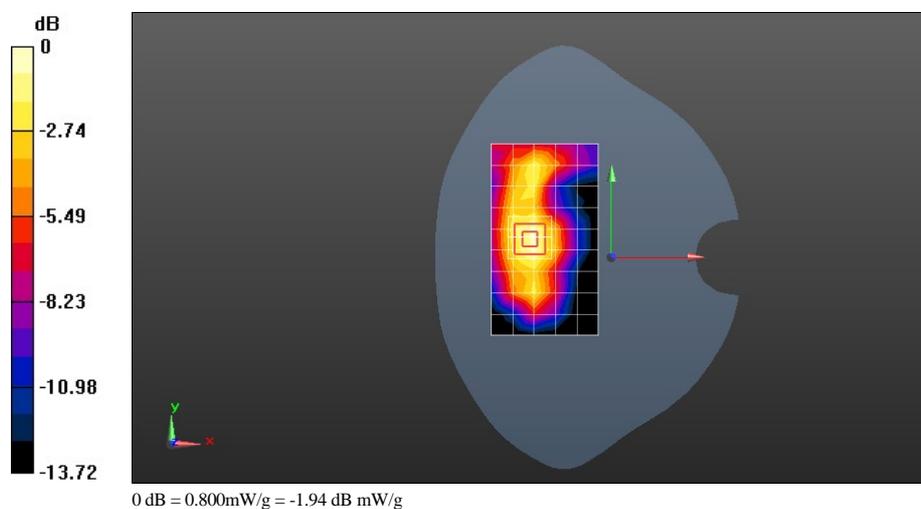
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.239 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.1470

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.434 mW/g

Maximum value of SAR (measured) = 0.797 mW/g



E397Bu-501 LTE Band IV 20M 16QAM 1RB#99 20050CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 52.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics:DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.825 mW/g

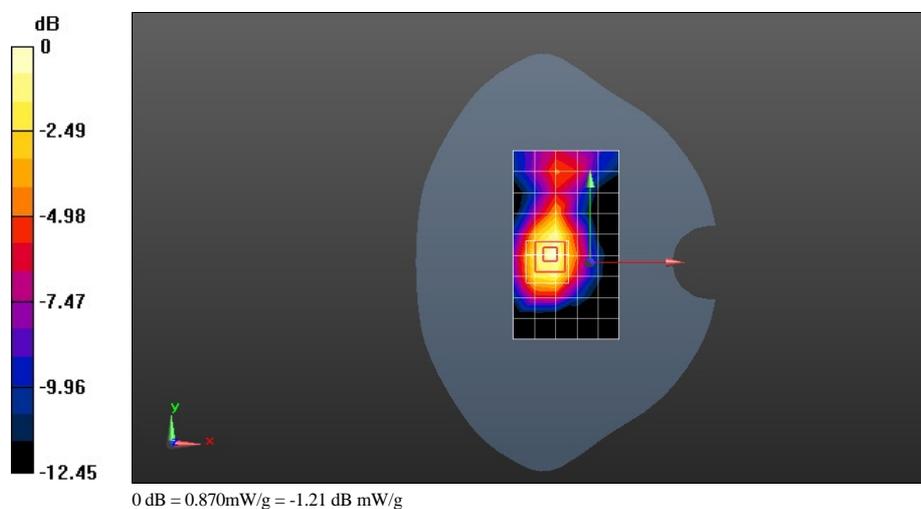
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.229 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.2900

SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.483 mW/g

Maximum value of SAR (measured) = 0.873 mW/g



E397Bu-501 LTE Band IV 20M 16QAM 1RB#99 20050CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,20MHz,QPSK/16QAM); Frequency: 1720 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 52.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 2011-9-27
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 5.2.157(0); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.429 mW/g

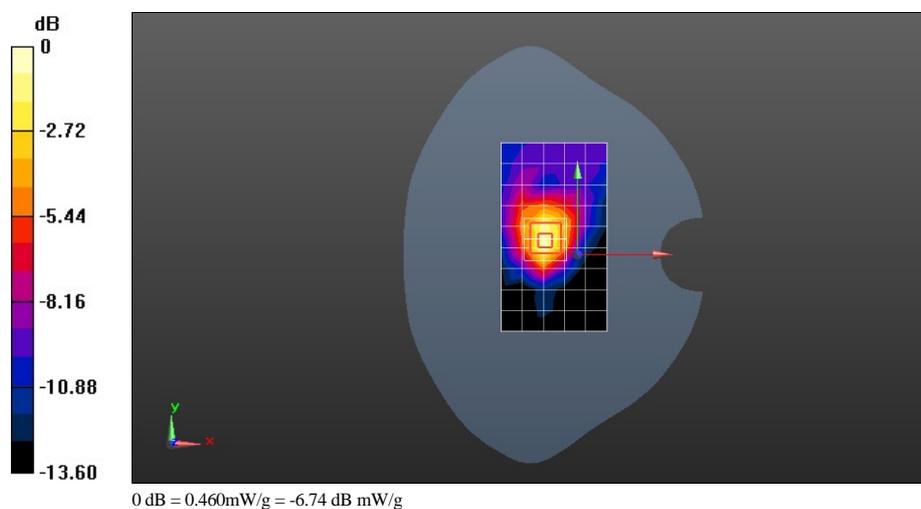
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.073 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.7390

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.220 mW/g

Maximum value of SAR (measured) = 0.462 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 50%RB#13 23790CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.478 mW/g

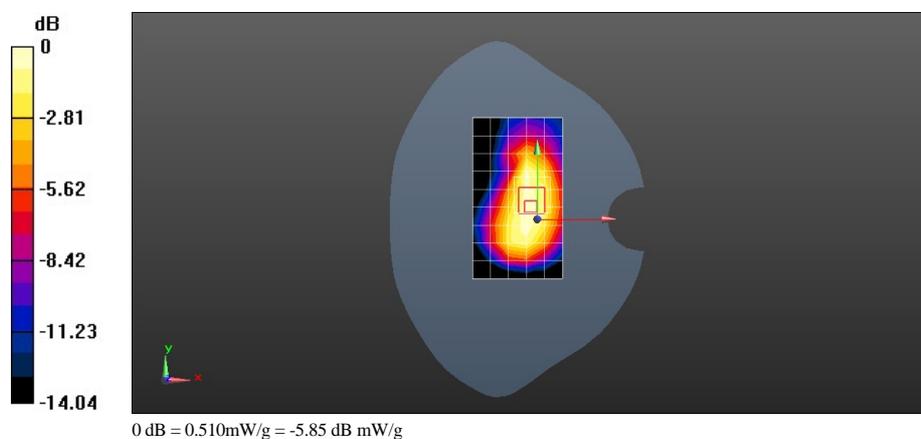
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.419 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.7880

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.315 mW/g

Maximum value of SAR (measured) = 0.507 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 50%RB#13 23790CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics:DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.533 mW/g

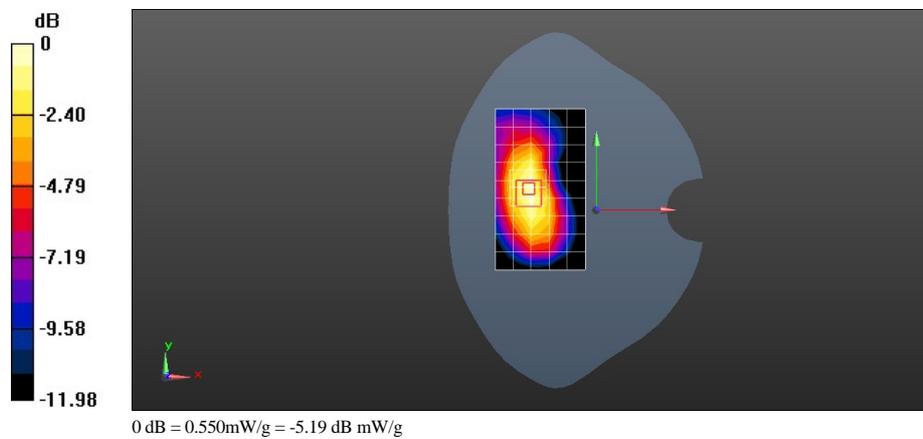
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.940 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.7530

SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.331 mW/g

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



E397Bu-501 LTE Band XVII 10M QPSK 50%RB#13 23790CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.366 mW/g

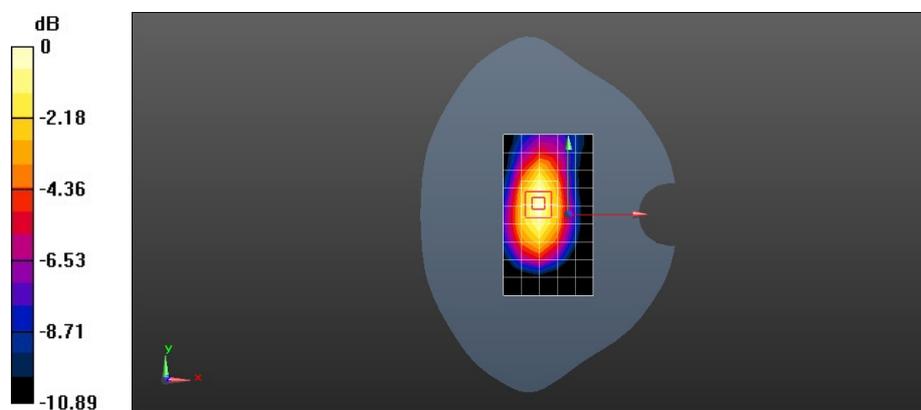
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.388 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.4870

SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.229 mW/g

Maximum value of SAR (measured) = 0.370 mW/g



0 dB = 0.370mW/g = -8.64 dB mW/g

E397Bu-501 LTE Band XVII 10M QPSK 50%RB#13 23790CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.114 mW/g

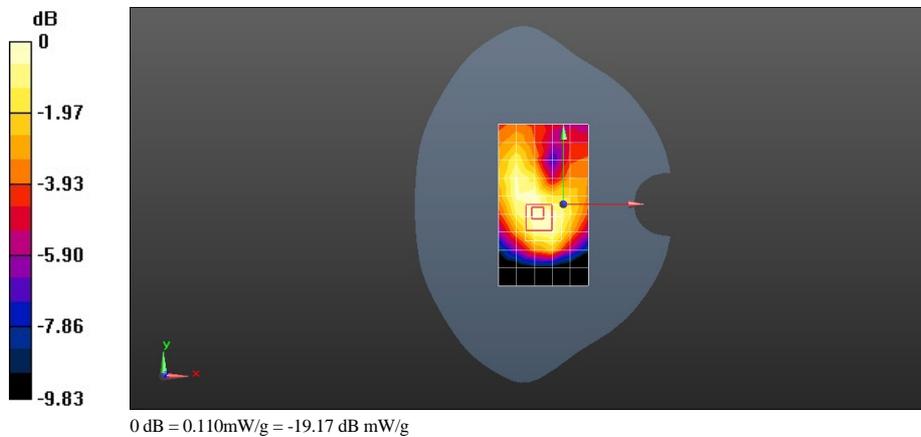
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.899 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.1470

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.112 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 1RB#0 23790CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.554 mW/g

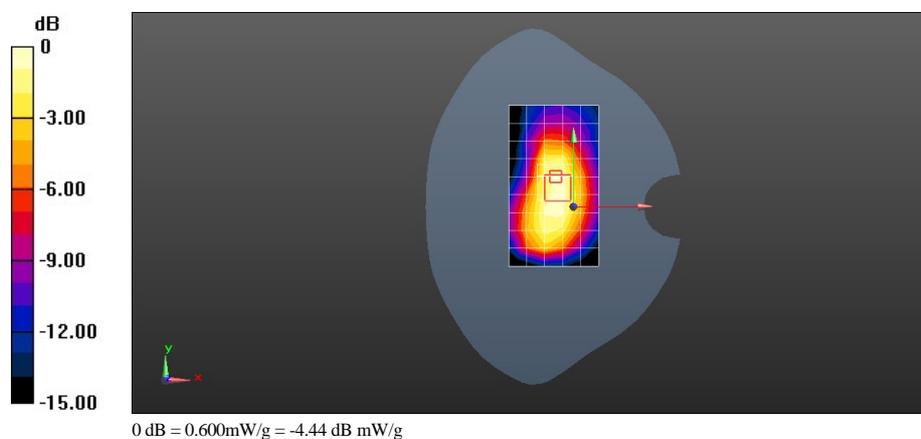
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.016 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.9830

SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.364 mW/g

Maximum value of SAR (measured) = 0.605 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 1RB#0 23790CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.562 mW/g

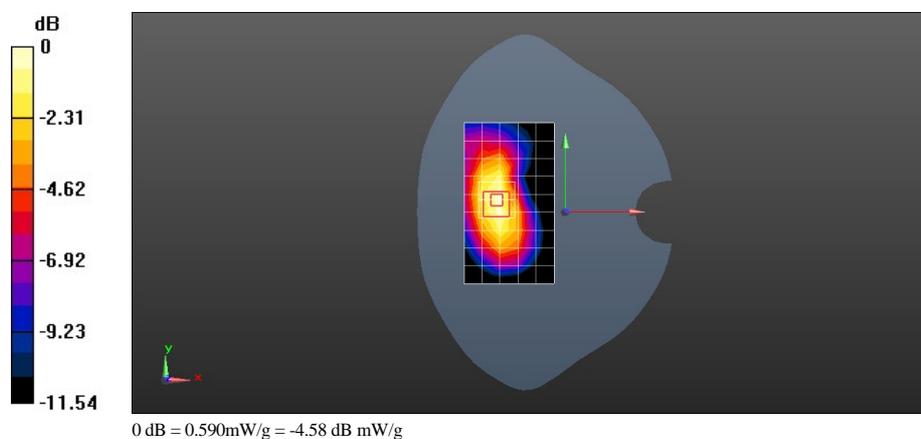
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.094 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.7960

SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.588 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 1RB#0 23790CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.380 mW/g

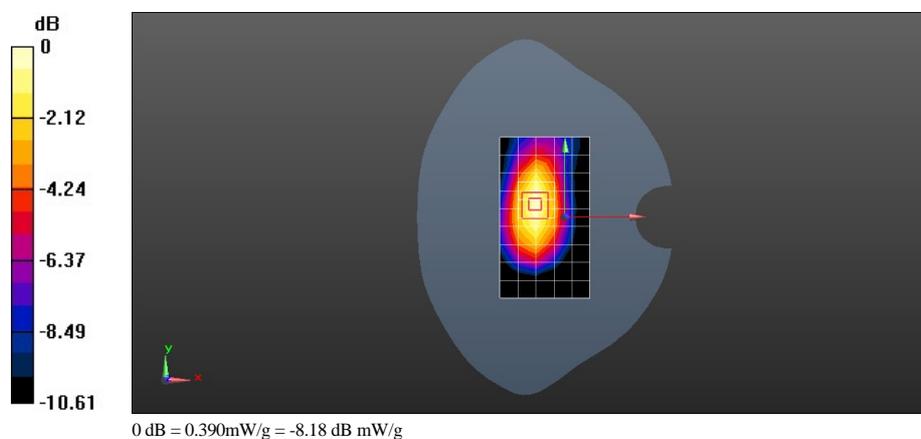
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.409 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.5090

SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.388 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 1RB#0 23790CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.112 mW/g

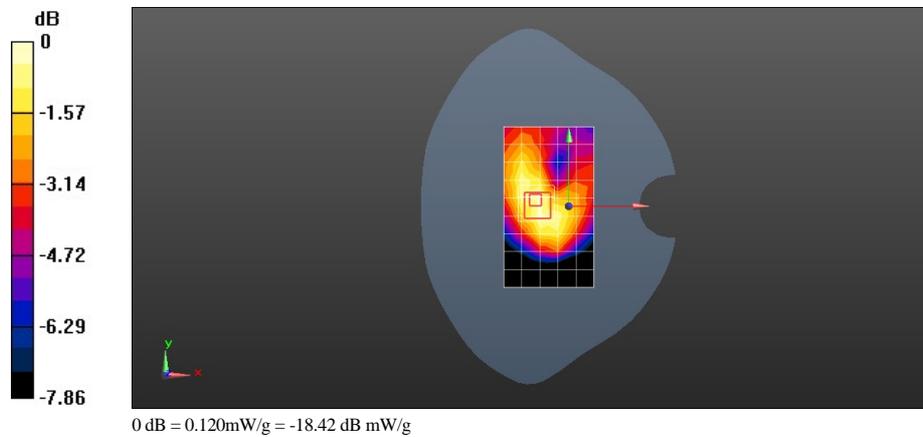
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.830 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.1550

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.119 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 1RB#49 23790CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.514 mW/g

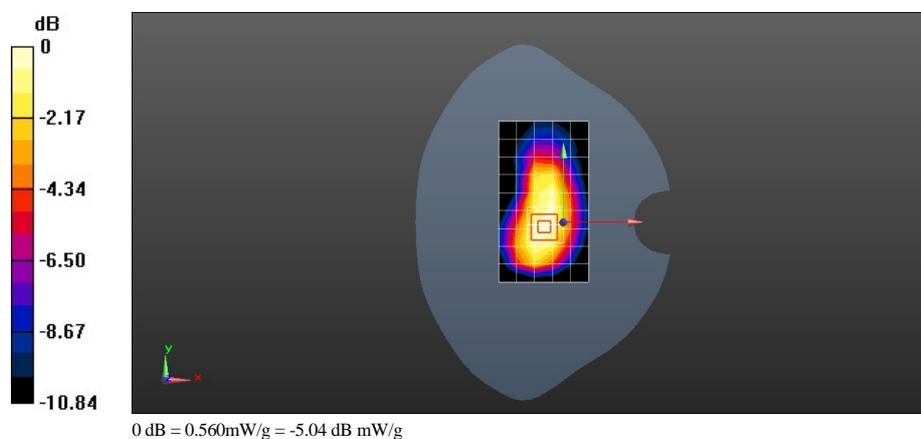
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.906 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.7290

SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.364 mW/g

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



E397Bu-501 LTE Band XVII 10M QPSK 1RB#49 23790CH Rear Side 5mm

DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.584 mW/g

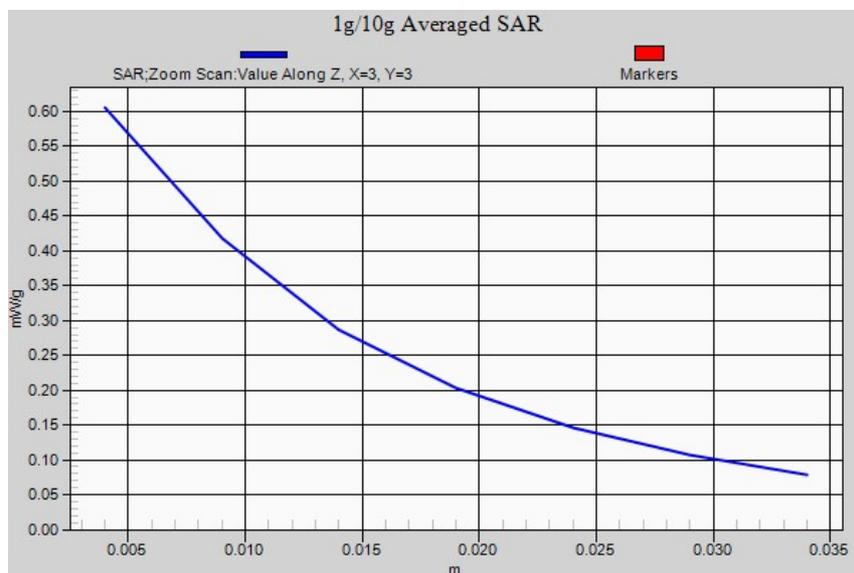
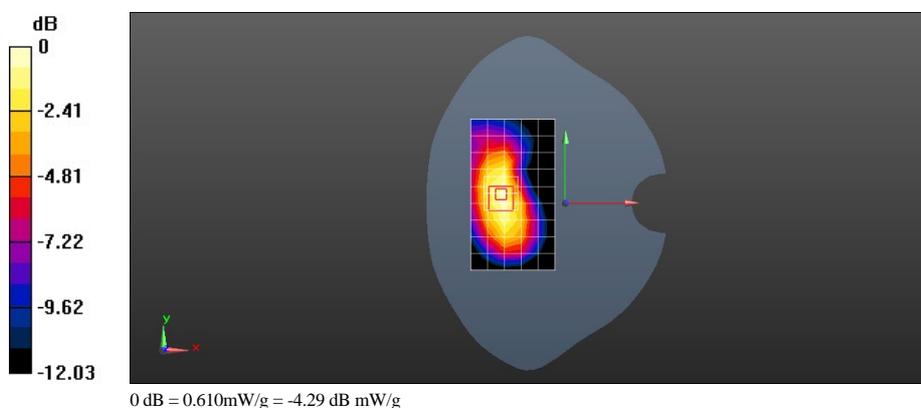
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.032 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.8090

SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 0.605 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 1RB#49 23790CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.420 mW/g

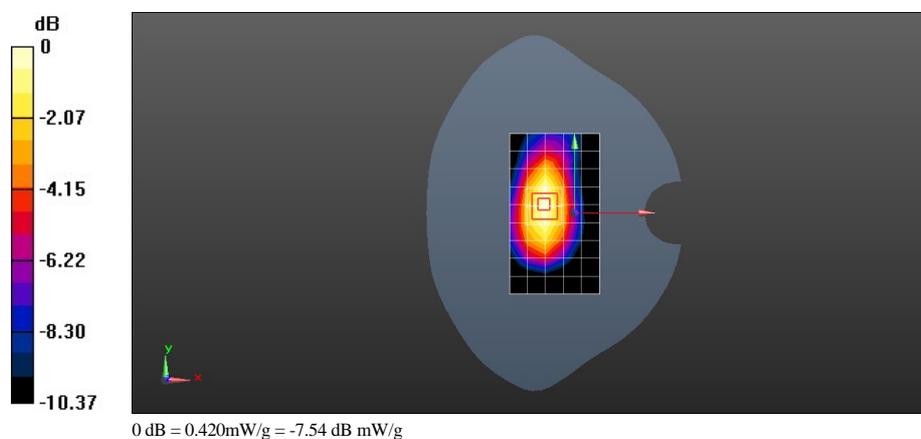
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.664 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.5550

SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.423 mW/g



E397Bu-501 LTE Band XVII 10M QPSK 1RB#49 23790CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.121 mW/g

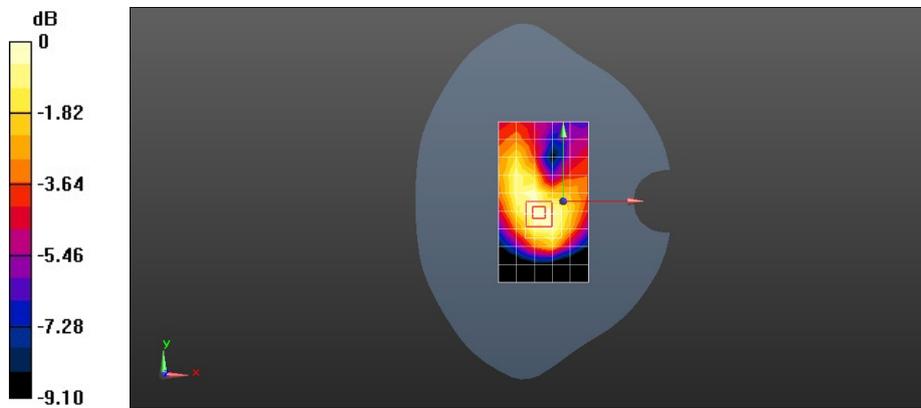
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.030 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.1620

SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.123 mW/g



0 dB = 0.120mW/g = -18.42 dB mW/g

E397Bu-501 LTE Band XVII 10M 16QAM 50%RB#13 23790CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.413 mW/g

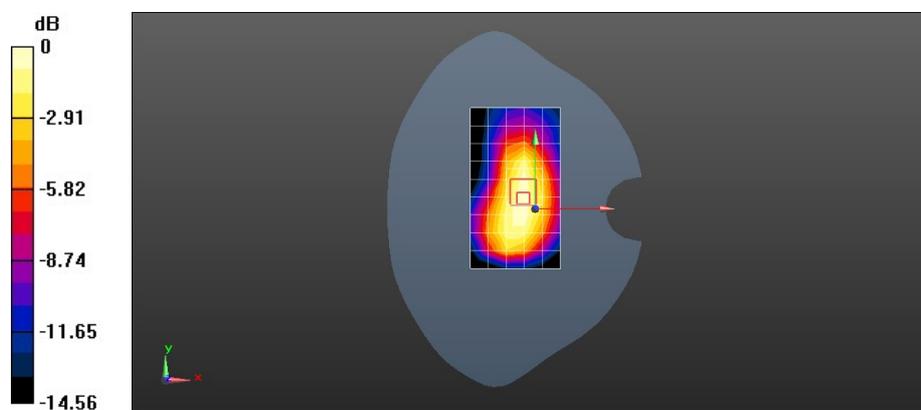
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.986 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.6650

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.254 mW/g

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



0 dB = 0.430mW/g = -7.33 dB mW/g

E397Bu-501 LTE Band XVII 10M 16QAM 50%RB#13 23790CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.445 mW/g

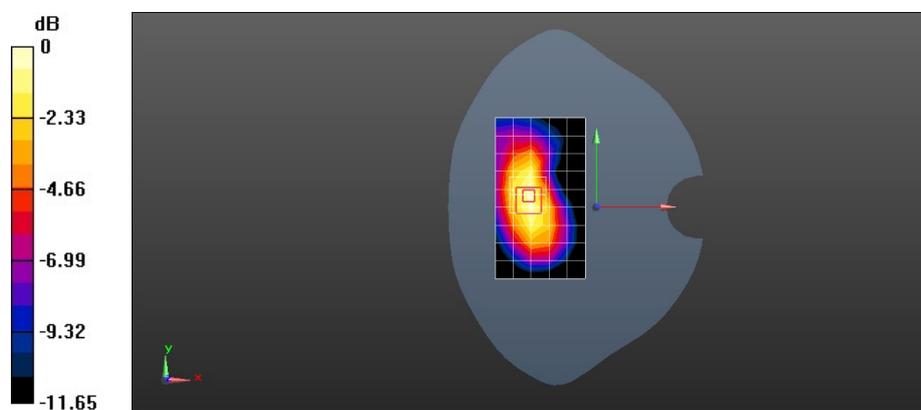
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.921 V/m; Power Drift = -0.0052 dB

Peak SAR (extrapolated) = 0.6320

SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.278 mW/g

Maximum value of SAR (measured) = 0.466 mW/g



0 dB = 0.470mW/g = -6.56 dB mW/g

E397Bu-501 LTE Band XVII 10M 16QAM 50%RB#13 23790CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.285 mW/g

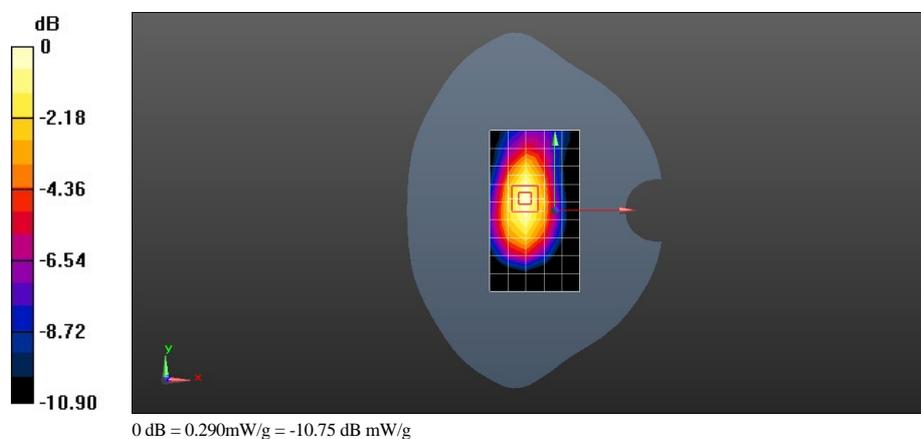
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.126 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.3860

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR (measured) = 0.287 mW/g



E397Bu-501 LTE Band XVII 10M 16QAM 50%RB#13 23790CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.085 mW/g

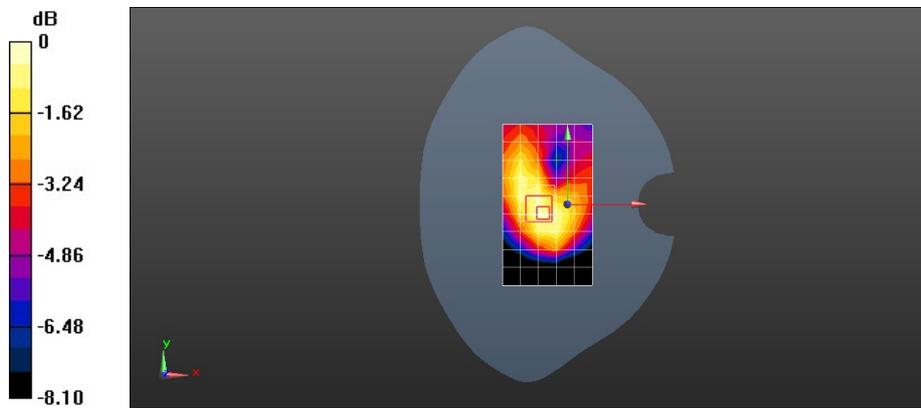
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.556 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.1120

SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (measured) = 0.087 mW/g



0 dB = 0.090mW/g = -20.92 dB mW/g

E397Bu-501 LTE Band XVII 10M 16QAM 1RB#0 23800CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.929$ mho/m; $\epsilon_r = 55.054$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.525 mW/g

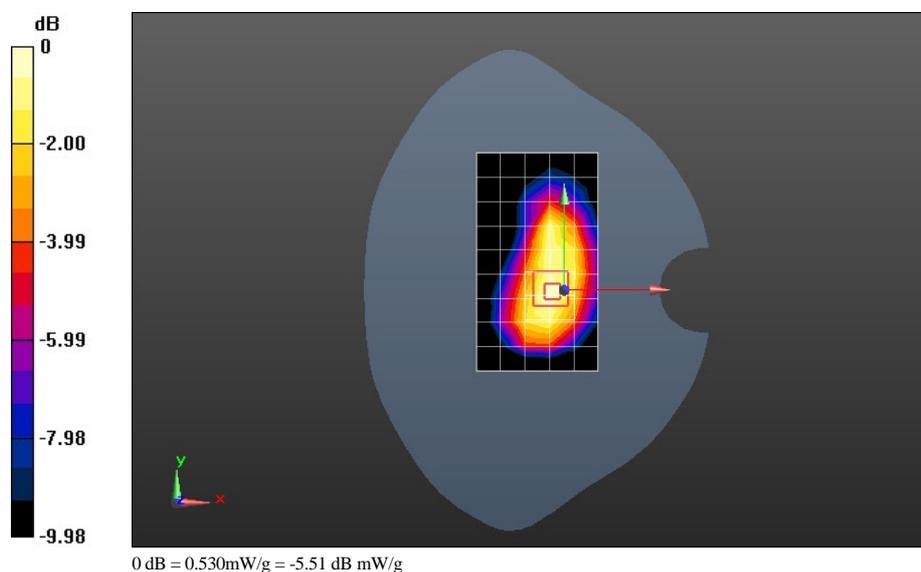
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.705 V/m; Power Drift = -0.0064 dB

Peak SAR (extrapolated) = 0.6420

SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.534 mW/g



E397Bu-501 LTE Band XVII 10M 16QAM 1RB#0 23800CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.929$ mho/m; $\epsilon_r = 55.054$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.479 mW/g

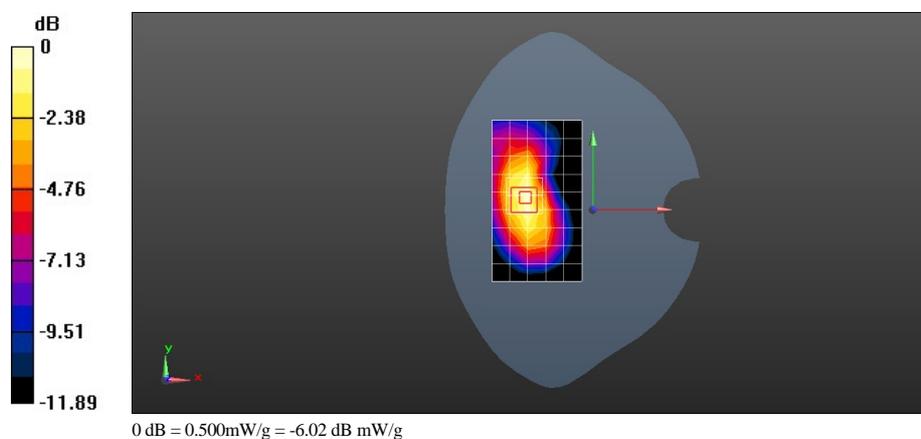
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.884 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.6830

SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.298 mW/g

Maximum value of SAR (measured) = 0.501 mW/g



E397Bu-501 LTE Band XVII 10M 16QAM 1RB#0 23800CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.929$ mho/m; $\epsilon_r = 55.054$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

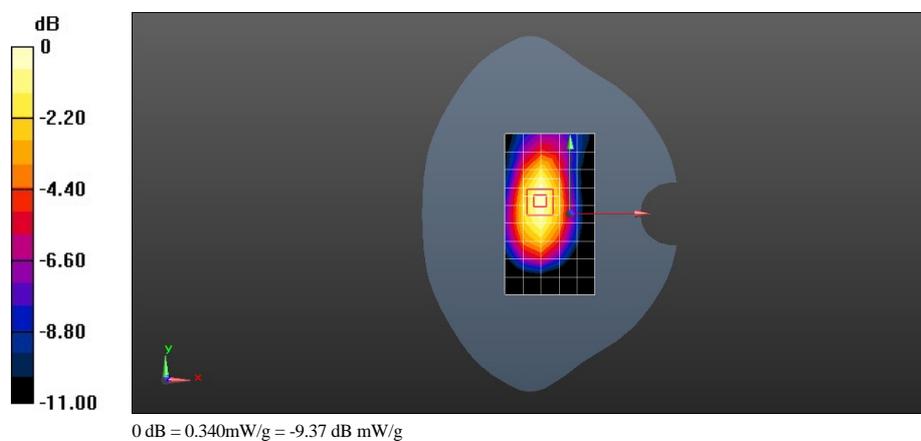
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.343 mW/g

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

Reference Value = 17.331 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.4480

SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.212 mW/g

E397Bu-501 LTE Band XVII 10M 16QAM 1RB#0 23800CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.929$ mho/m; $\epsilon_r = 55.054$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.111 mW/g

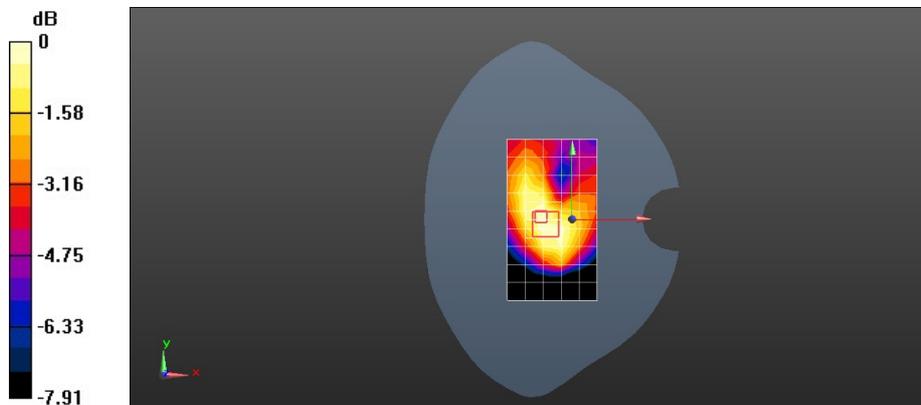
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.814 V/m; Power Drift = 0.0081 dB

Peak SAR (extrapolated) = 0.1490

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.115 mW/g



0 dB = 0.110mW/g = -19.17 dB mW/g

E397Bu-501 LTE Band XVII 10M 16QAM 1RB#49 23790CH Front Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.388 mW/g

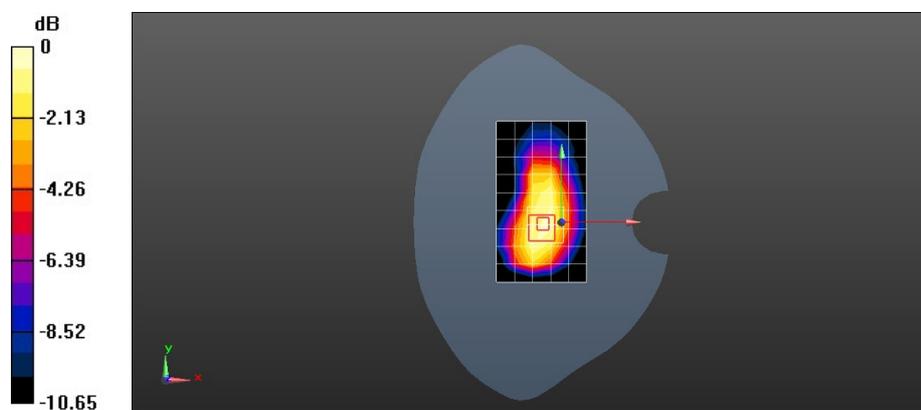
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.857 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.6180

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.277 mW/g

Maximum value of SAR (measured) = 0.440 mW/g



0 dB = 0.440mW/g = -7.13 dB mW/g

E397Bu-501 LTE Band XVII 10M 16QAM 1RB#49 23790CH Rear Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.453 mW/g

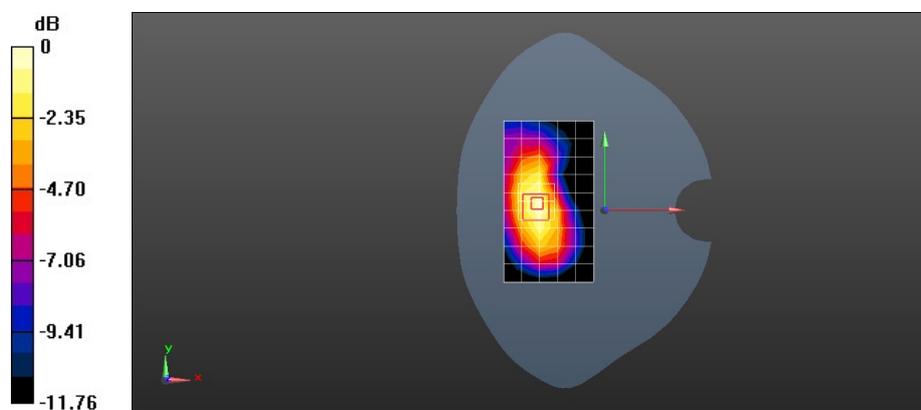
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.350 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.7100

SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.282 mW/g

Maximum value of SAR (measured) = 0.467 mW/g



0 dB = 0.470mW/g = -6.56 dB mW/g

E397Bu-501 LTE Band XVII 10M 16QAM 1RB#49 23790CH Left Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.339 mW/g

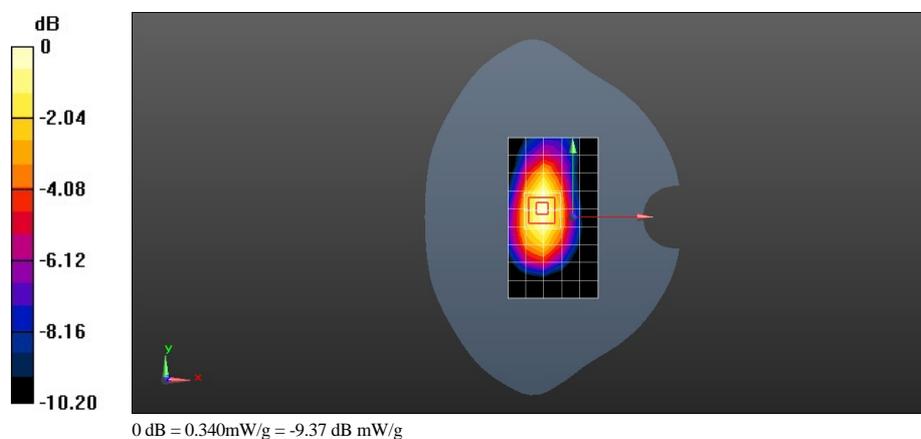
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.579 V/m; Power Drift = 0.0034 dB

Peak SAR (extrapolated) = 0.4470

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.211 mW/g

Maximum value of SAR (measured) = 0.341 mW/g



E397Bu-501 LTE Band XVII 10M 16QAM 1RB#49 23790CH Right Side 5mm**DUT: E397Bu-501; Type: LTE 2D USB Rotator; Serial: SAR1**

Communication System: LTE-FDD(SC-FDMA,1RB/50%RB/100%RB,10MHz,QPSK/16QAM); Frequency: 710 MHz

Medium parameters used: $f = 710$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 55.184$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2011-10-26
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1291; Calibrated: 2011-10-10
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- 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) = 0.102 mW/g

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

Reference Value = 10.141 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.1370

SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.105 mW/g

