

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M QPSK 50%RB#13 20600CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 844 MHz

Medium parameters used: $f = 844$ MHz; $\sigma = 1.009$ mho/m; $\epsilon_r = 56.662$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

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

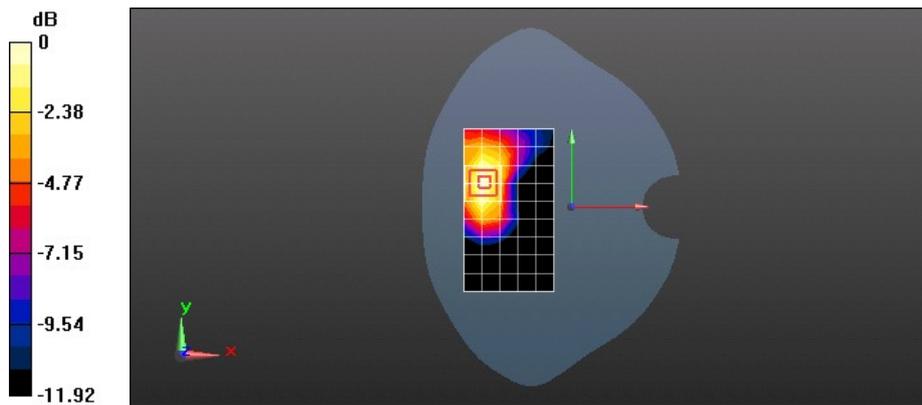
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.204 V/m; Power Drift = 0.0029 dB

Peak SAR (extrapolated) = 1.4120

SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.572 mW/g

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



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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M QPSK 50%RB#13 20525CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.410 mW/g

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

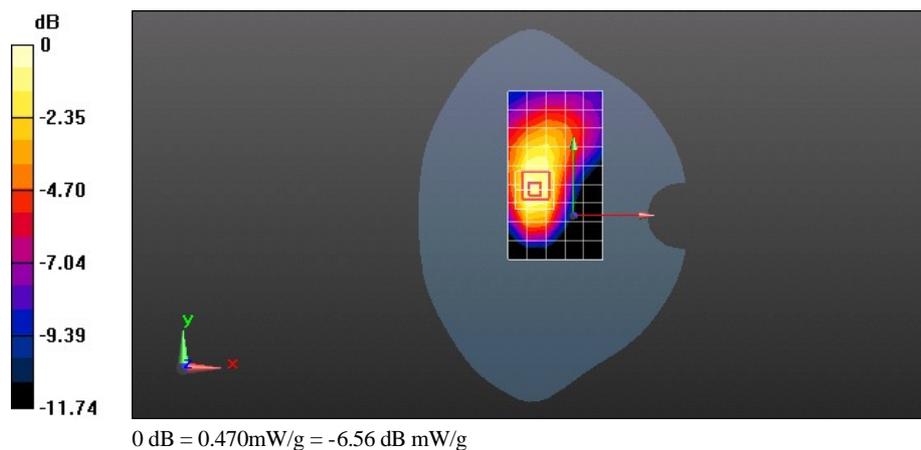
Reference Value = 13.479 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.6790

SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.276 mW/g

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

Maximum value of SAR (measured) = 0.470 mW/g



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Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.161 mW/g

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

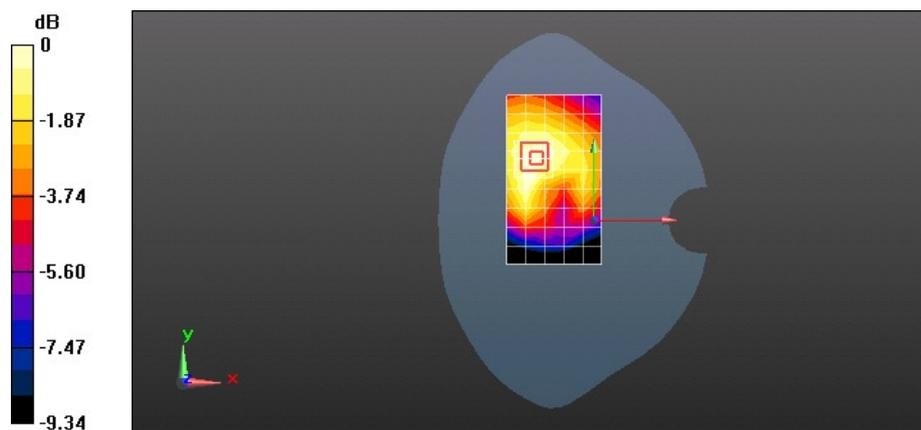
Reference Value = 7.461 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.2220

SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.109 mW/g

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

Maximum value of SAR (measured) = 0.167 mW/g



0 dB = 0.170mW/g = -15.39 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M QPSK 1RB#0 20525CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.785 mW/g

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

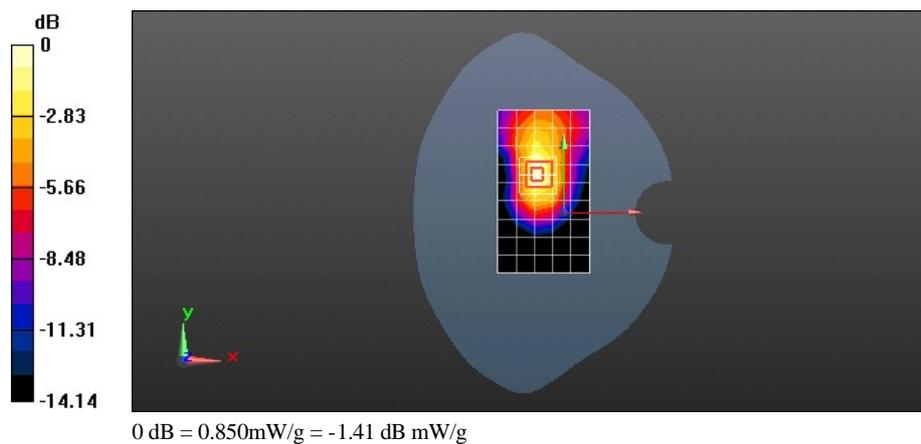
Reference Value = 15.523 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.3600

SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.454 mW/g

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

Maximum value of SAR (measured) = 0.849 mW/g



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Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.847 mW/g

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

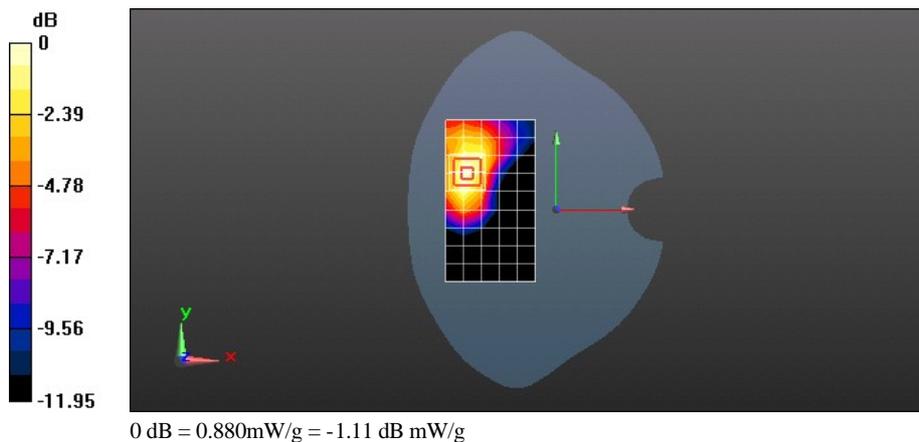
Reference Value = 2.003 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.2360

SAR(1 g) = 0.805 mW/g; SAR(10 g) = 0.508 mW/g

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

Maximum value of SAR (measured) = 0.880 mW/g



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Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.448 mW/g

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

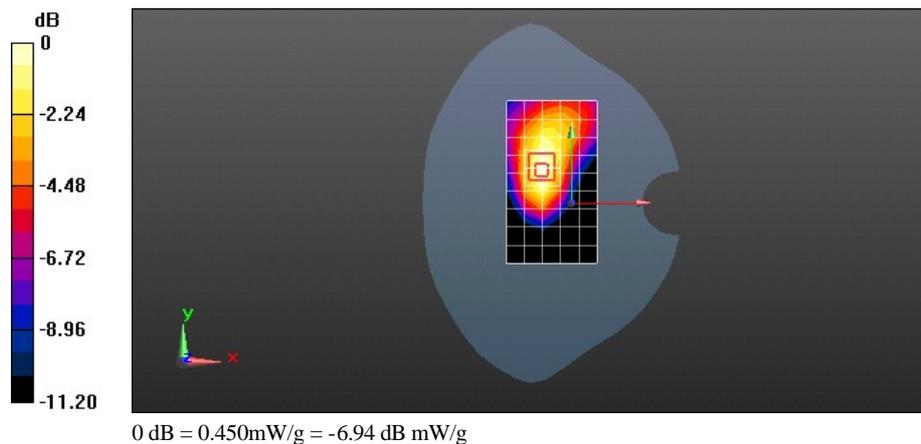
Reference Value = 13.419 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.6510

SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.263 mW/g

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

Maximum value of SAR (measured) = 0.447 mW/g



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E397Bu-502 LTE Band V 10M QPSK 1RB#0 20525CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.141 mW/g

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

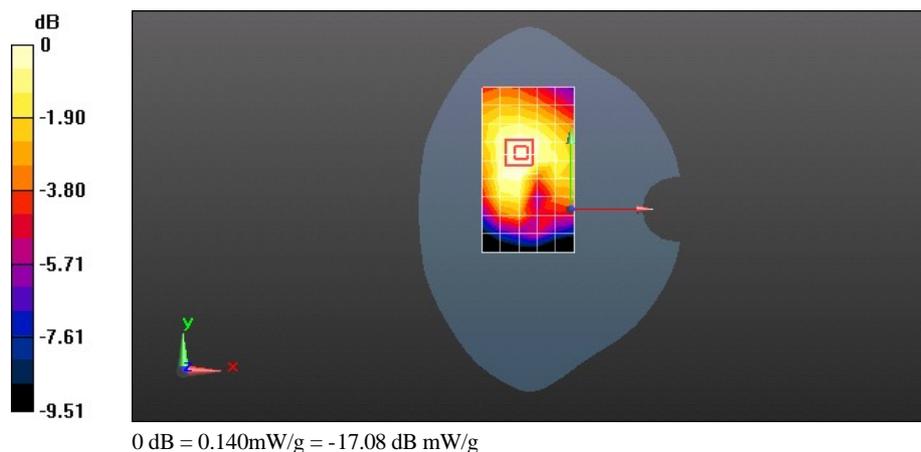
Reference Value = 6.627 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.1900

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.092 mW/g

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

Maximum value of SAR (measured) = 0.142 mW/g



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E397Bu-502 LTE Band V 10M QPSK 1RB#49 20525CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.812 mW/g

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

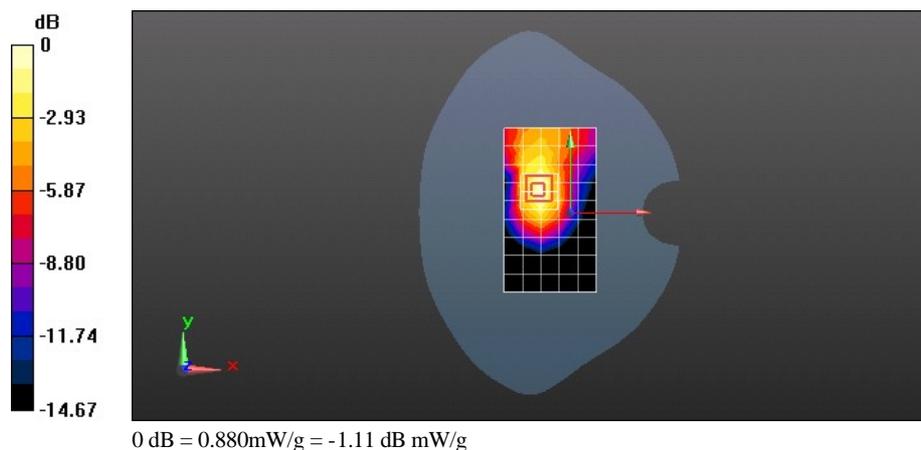
Reference Value = 21.397 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.4060

SAR(1 g) = 0.808 mW/g; SAR(10 g) = 0.467 mW/g

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

Maximum value of SAR (measured) = 0.883 mW/g



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E397Bu-502 LTE Band V 10M QPSK 1RB#49 20525CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.940 mW/g

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

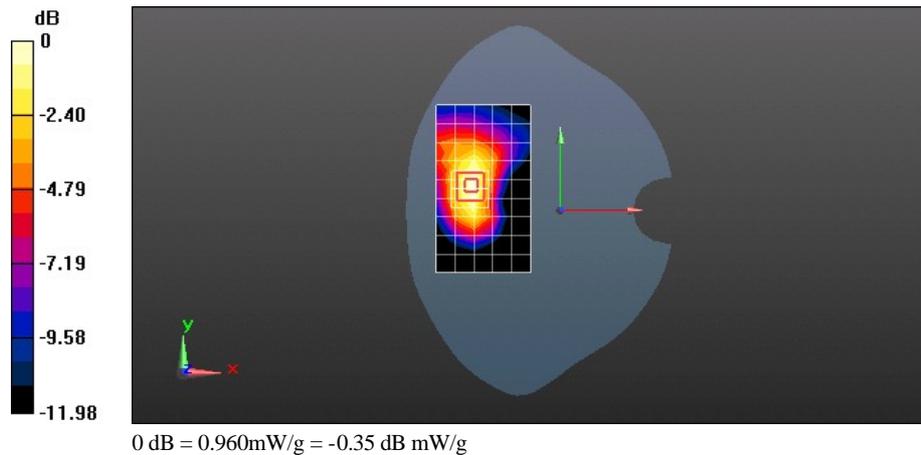
Reference Value = 2.267 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.3580

SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.556 mW/g

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

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



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E397Bu-502 LTE Band V 10M QPSK 1RB#49 20525CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.457 mW/g

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

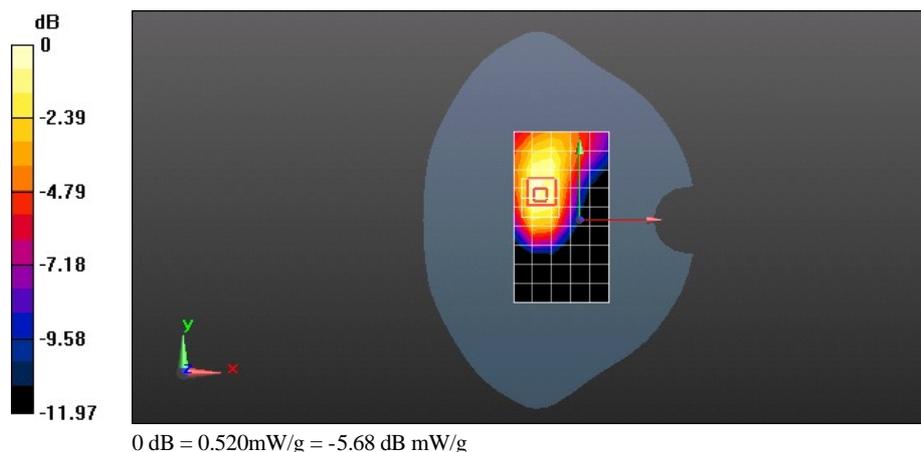
Reference Value = 14.669 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.7340

SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.303 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M QPSK 1RB#49 20525CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 836.5 MHz
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 56.444$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

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

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

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

Maximum value of SAR (measured) = 0.164 mW/g

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

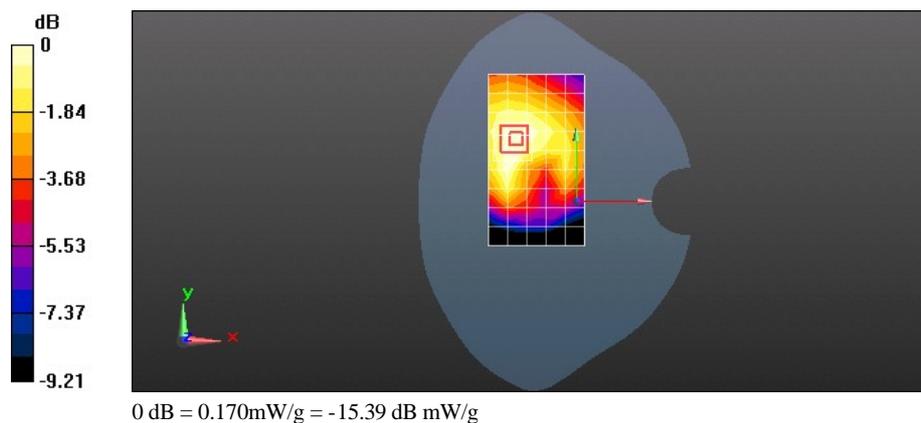
Reference Value = 7.663 V/m; Power Drift = -0.0074 dB

Peak SAR (extrapolated) = 0.2300

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.111 mW/g

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

Maximum value of SAR (measured) = 0.167 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 50%RB#13 20600CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 844 MHz

Medium parameters used: $f = 844$ MHz; $\sigma = 1.009$ mho/m; $\epsilon_r = 56.662$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

Maximum value of SAR (measured) = 0.748 mW/g

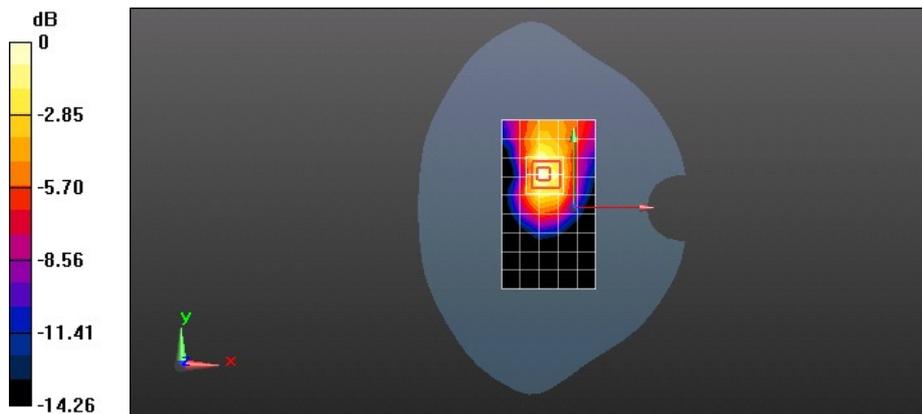
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.344 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.2690

SAR(1 g) = 0.721 mW/g; SAR(10 g) = 0.414 mW/g

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



0 dB = 0.790mW/g = -2.05 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 50%RB#13 20600CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 844 MHz

Medium parameters used: $f = 844$ MHz; $\sigma = 1.009$ mho/m; $\epsilon_r = 56.662$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

Maximum value of SAR (measured) = 0.876 mW/g

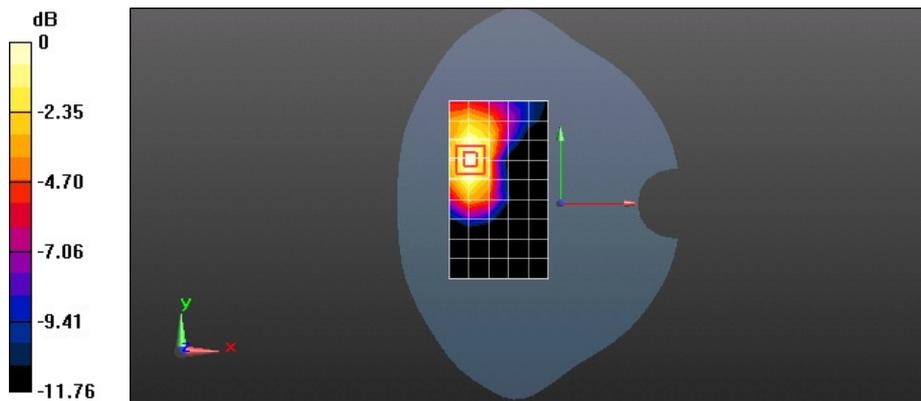
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.625 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.2360

SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.502 mW/g

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 50%RB#13 20600CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 844 MHz

Medium parameters used: $f = 844$ MHz; $\sigma = 1.009$ mho/m; $\epsilon_r = 56.662$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

Maximum value of SAR (measured) = 0.403 mW/g

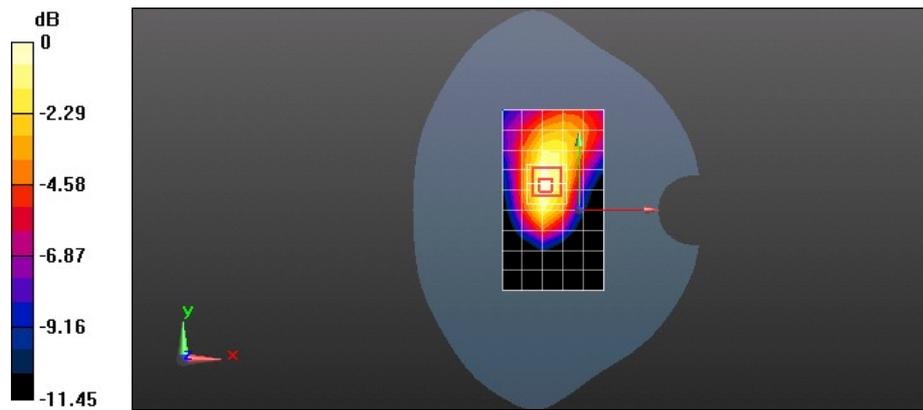
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.572 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.5910

SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.237 mW/g

Maximum value of SAR (measured) = 0.411 mW/g



0 dB = 0.410mW/g = -7.74 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 50%RB#13 20600CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 844 MHz

Medium parameters used: $f = 844$ MHz; $\sigma = 1.009$ mho/m; $\epsilon_r = 56.662$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

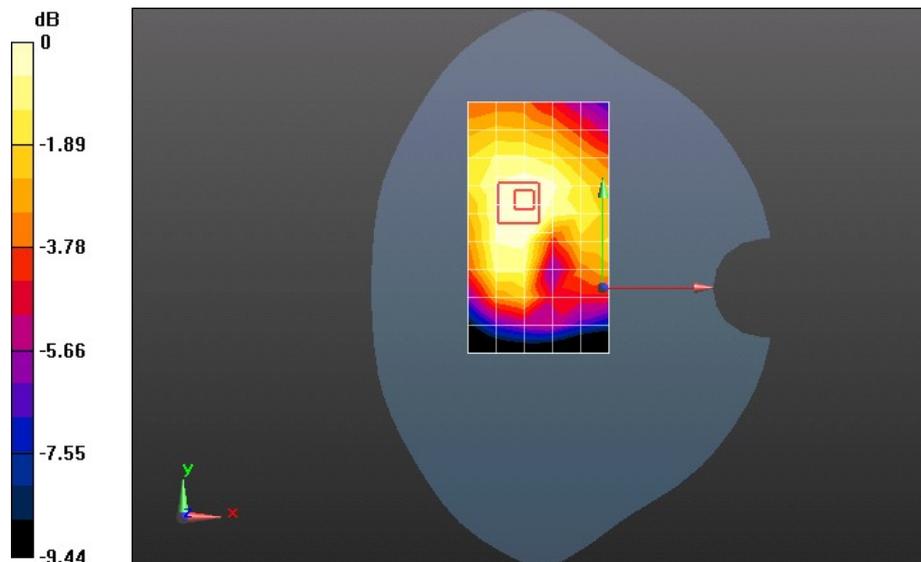
Maximum value of SAR (measured) = 0.123 mW/g

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

Reference Value = 6.056 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.1700

SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.081 mW/g



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

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 1RB#0 20450CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 829 MHz

Medium parameters used: $f = 829$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 56.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

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

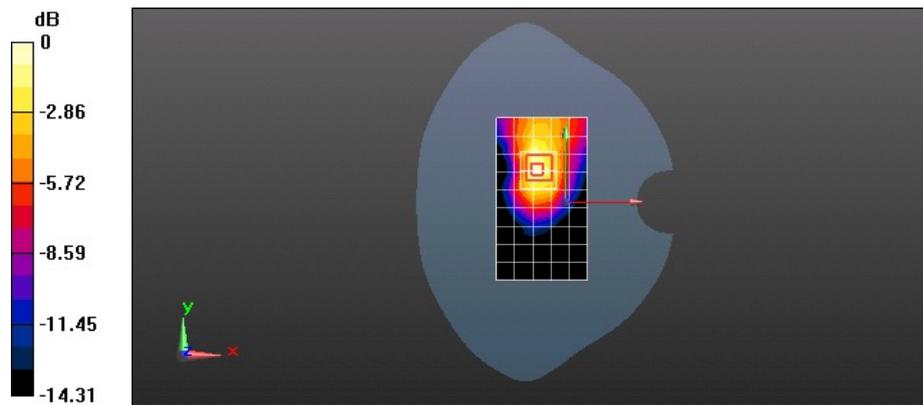
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 18.293 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.4770

SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.495 mW/g

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 1RB#0 20450CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 829 MHz

Medium parameters used: $f = 829$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 56.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

Maximum value of SAR (measured) = 0.875 mW/g

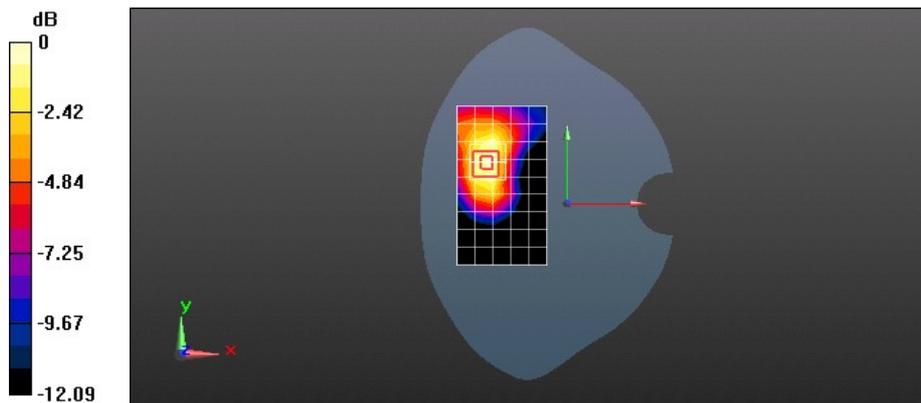
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.687 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.2950

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.542 mW/g

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 1RB#0 20450CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 829 MHz

Medium parameters used: $f = 829$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 56.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

Maximum value of SAR (measured) = 0.386 mW/g

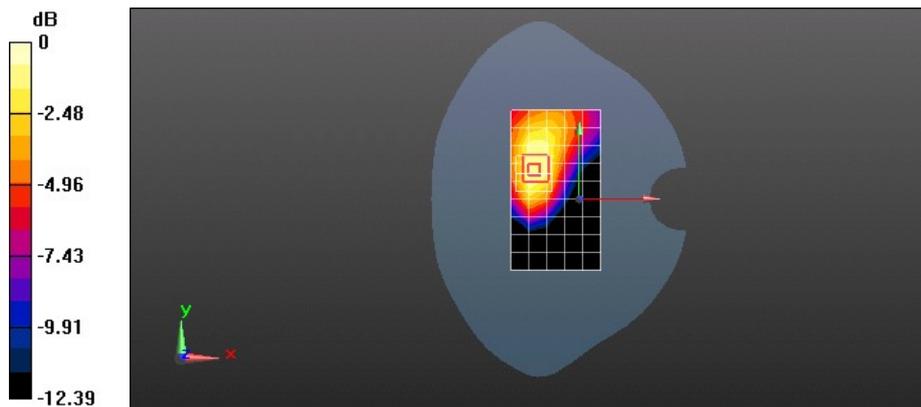
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.932 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.7190

SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.262 mW/g

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



0 dB = 0.460mW/g = -6.74 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 1RB#0 20450CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 829 MHz

Medium parameters used: $f = 829$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 56.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

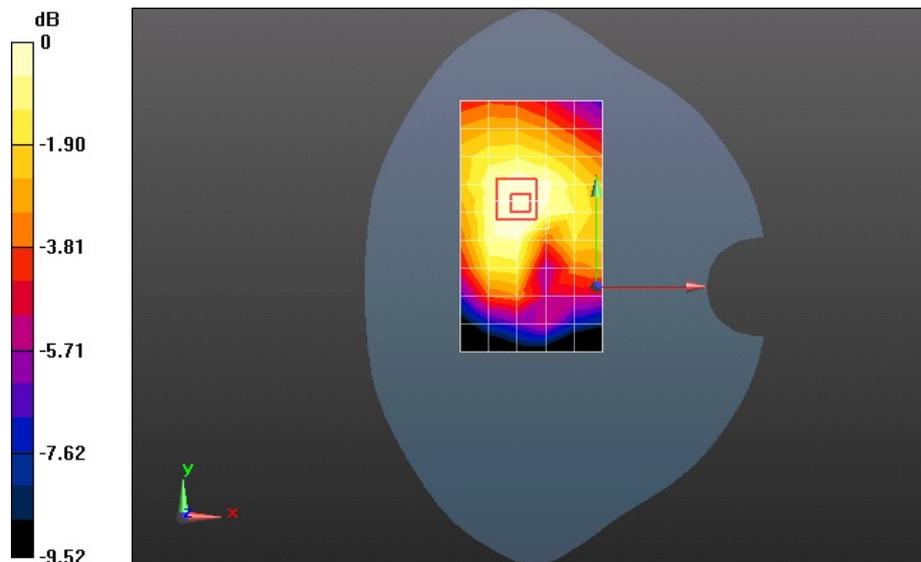
Maximum value of SAR (measured) = 0.182 mW/g

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

Reference Value = 7.528 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.2510

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.120 mW/g



0 dB = 0.180mW/g = -14.89 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 1RB#49 20450CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 829 MHz

Medium parameters used: $f = 829$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 56.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

Maximum value of SAR (measured) = 0.741 mW/g

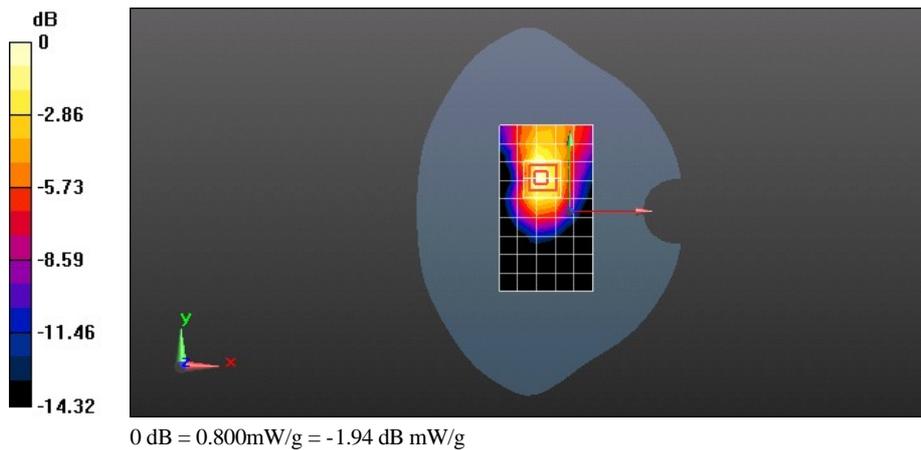
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.062 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.2380

SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.424 mW/g

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 1RB#49 20450CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 829 MHz

Medium parameters used: $f = 829$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 56.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

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

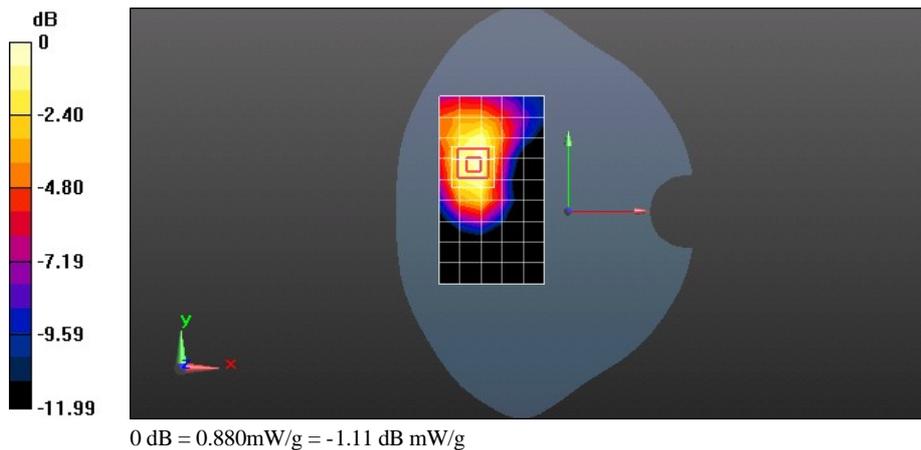
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.452 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.1860

SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.494 mW/g

Maximum value of SAR (measured) = 0.876 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 1RB#49 20450CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 829 MHz

Medium parameters used: $f = 829$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 56.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

Maximum value of SAR (measured) = 0.330 mW/g

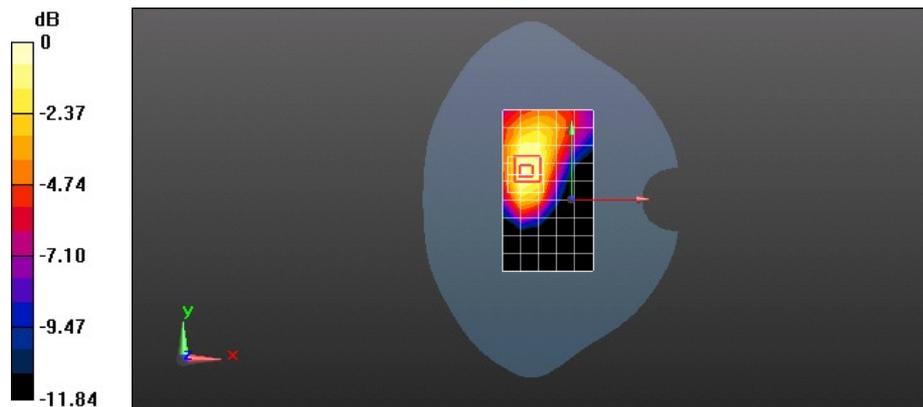
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.650 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.5840

SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.221 mW/g

Maximum value of SAR (measured) = 0.384 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band V 10M 16QAM 1RB#49 20450CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 829 MHz

Medium parameters used: $f = 829$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 56.855$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

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

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

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

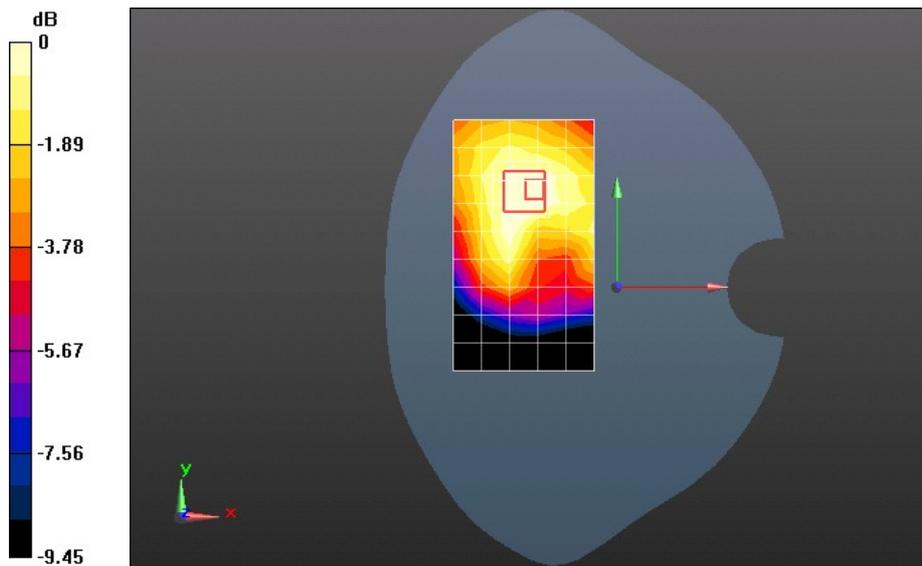
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.975 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.1730

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.122 mW/g



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

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 50%RB#13 23095CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.549 mW/g

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

Reference Value = 24.363 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.9360

SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.307 mW/g

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

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

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

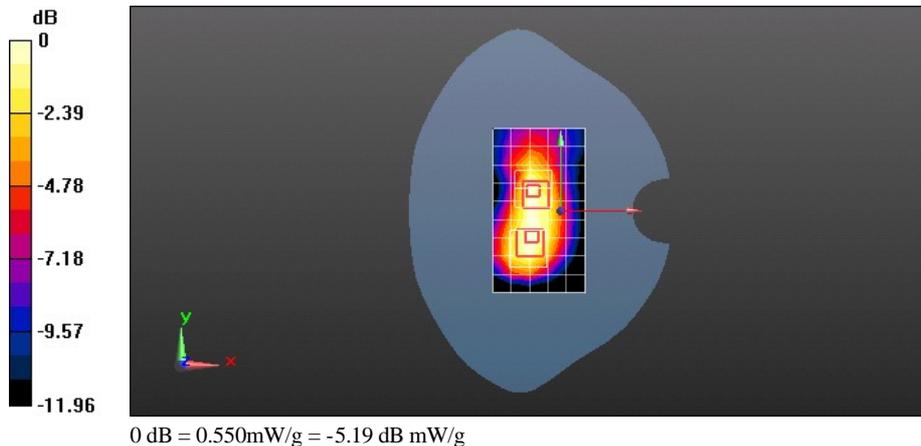
Reference Value = 24.363 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.7180

SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.338 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 50%RB#13 23095CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

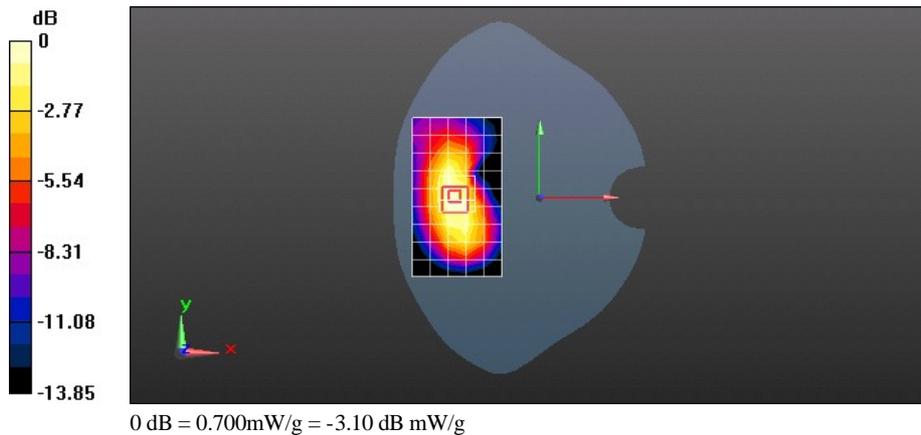
Reference Value = 1.699 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.9660

SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.431 mW/g

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

Maximum value of SAR (measured) = 0.704 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 50%RB#13 23095CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.543 mW/g

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

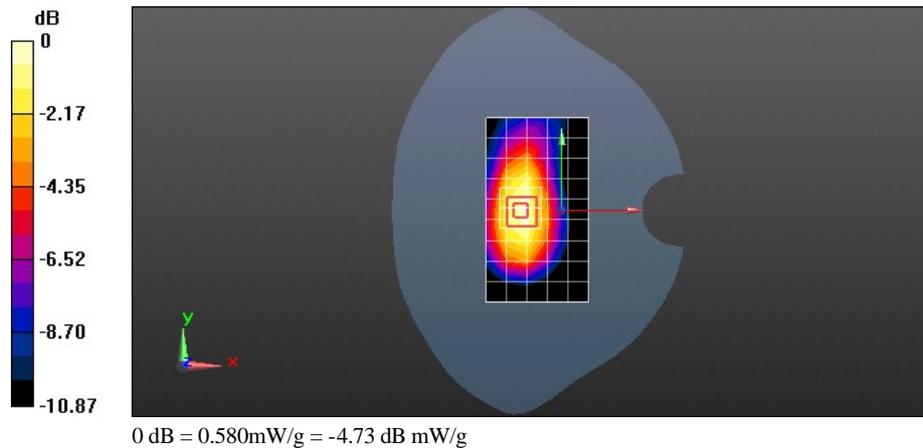
Reference Value = 21.014 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.7800

SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.358 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 50%RB#13 23095CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.167 mW/g

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

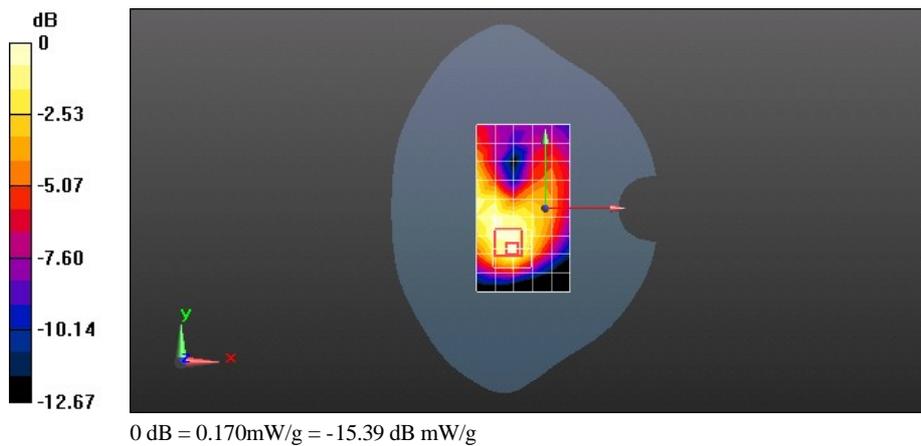
Reference Value = 9.944 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.2690

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.106 mW/g

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

Maximum value of SAR (measured) = 0.172 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 1RB#0 23130CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.712 mW/g

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

Reference Value = 27.497 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.2170

SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.404 mW/g

Maximum value of SAR (measured) = 0.744 mW/g

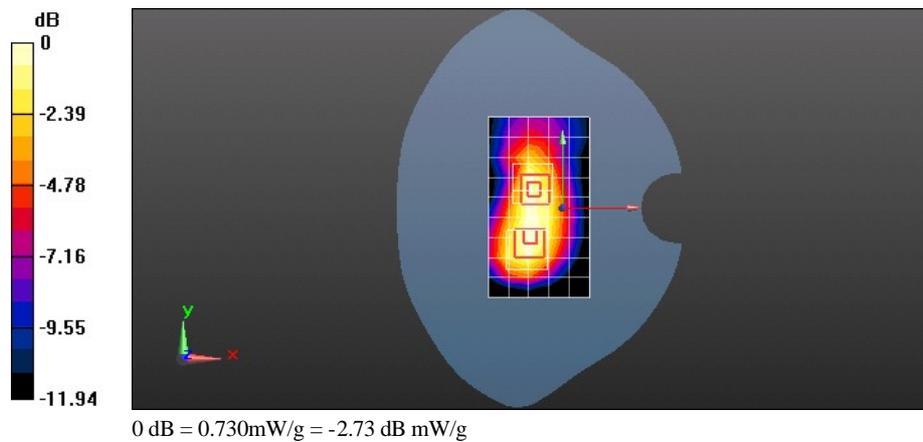
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 27.497 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.9490

SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.451 mW/g

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 1RB#0 23130CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK,16-QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.887 mW/g

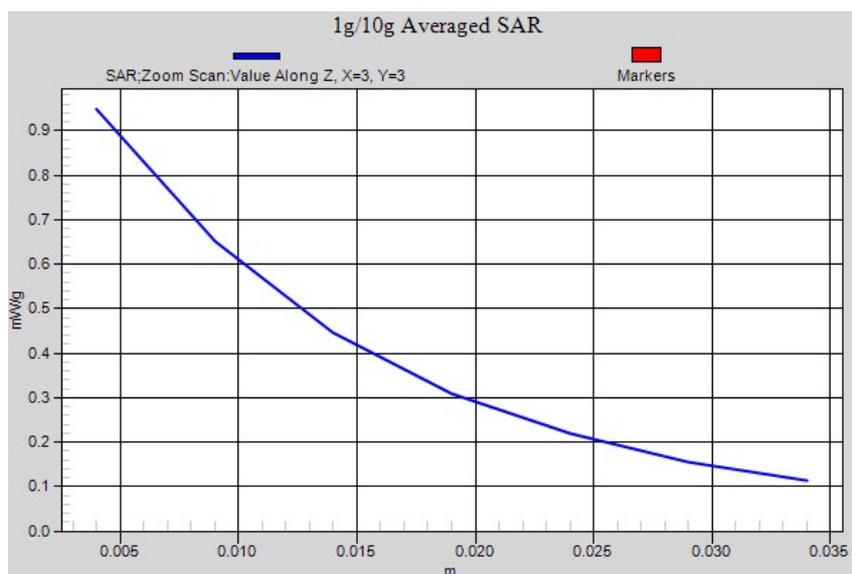
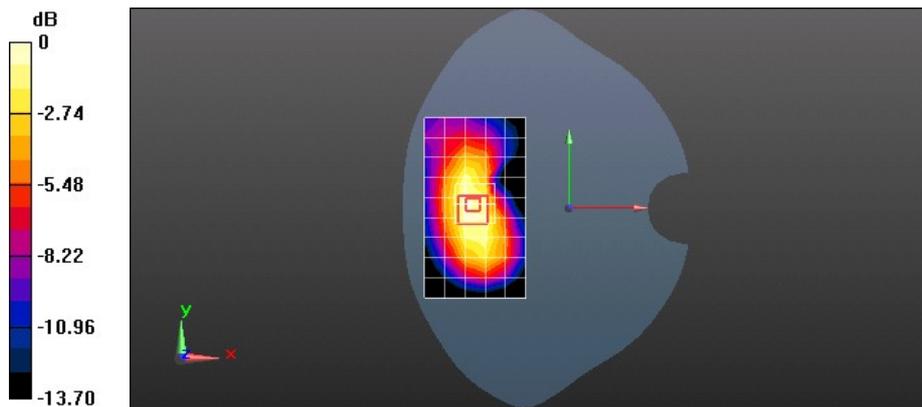
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.875 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.2830

SAR(1 g) = 0.882 mW/g; SAR(10 g) = 0.582 mW/g

Maximum value of SAR (measured) = 0.948 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 1RB#0 23130CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

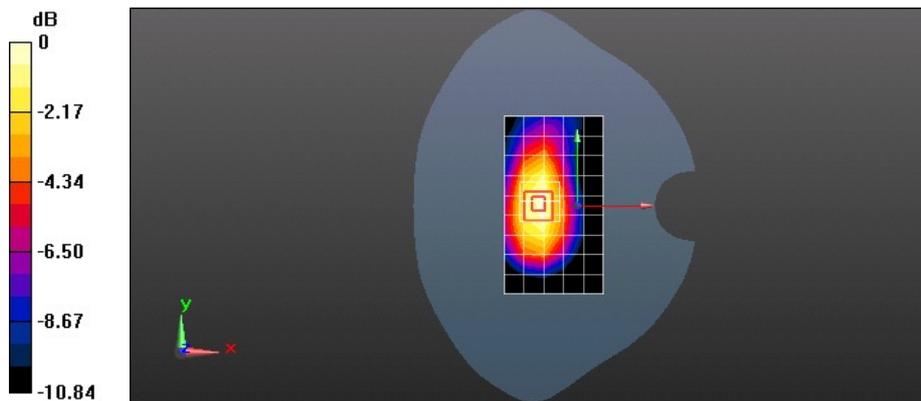
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 24.272 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.0560

SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.490 mW/g

Maximum value of SAR (measured) = 0.796 mW/g



0 dB = 0.800mW/g = -1.94 dB mW/g

Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 1RB#0 23130CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.220 mW/g

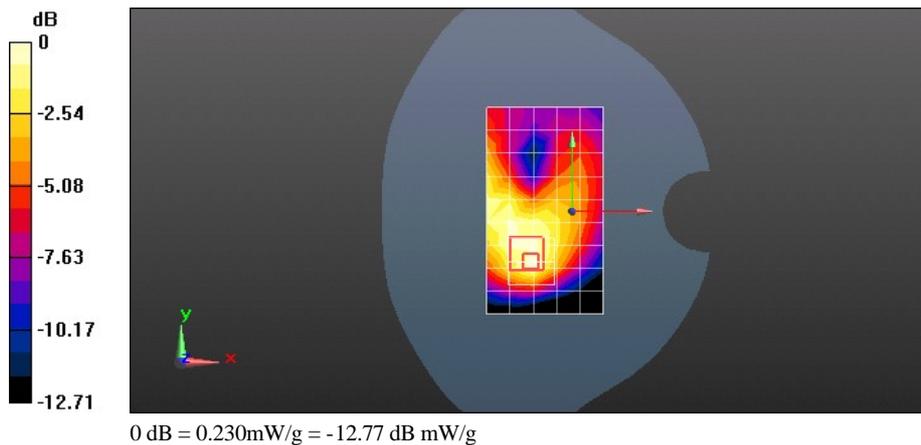
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.729 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.3560

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.143 mW/g

Maximum value of SAR (measured) = 0.231 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 1RB#49 23095CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

Reference Value = 24.683 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.1220

SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.374 mW/g

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

Maximum value of SAR (measured) = 0.710 mW/g

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

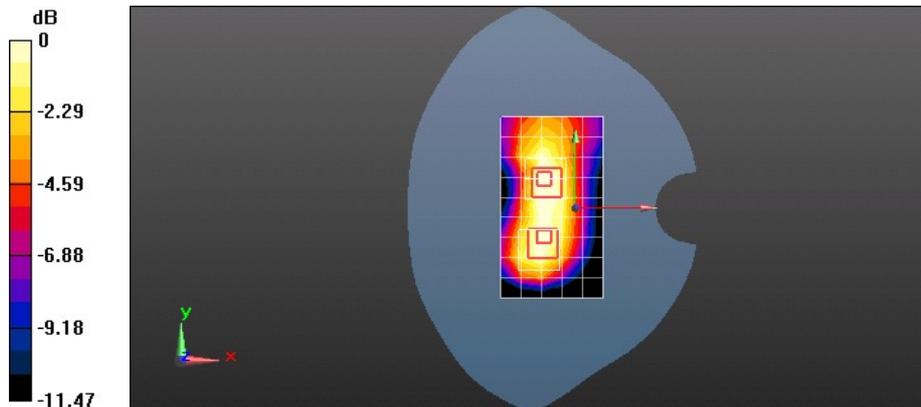
Reference Value = 24.683 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.7390

SAR(1 g) = 0.505 mW/g; SAR(10 g) = 0.342 mW/g

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

Maximum value of SAR (measured) = 0.543 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 1RB#49 23095CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.720 mW/g

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

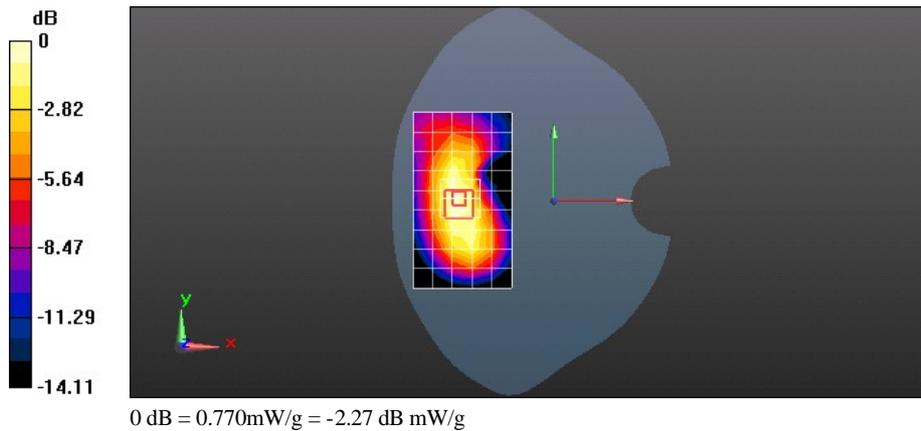
Reference Value = 0.908 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.0530

SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.473 mW/g

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

Maximum value of SAR (measured) = 0.775 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 1RB#49 23095CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.598 mW/g

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

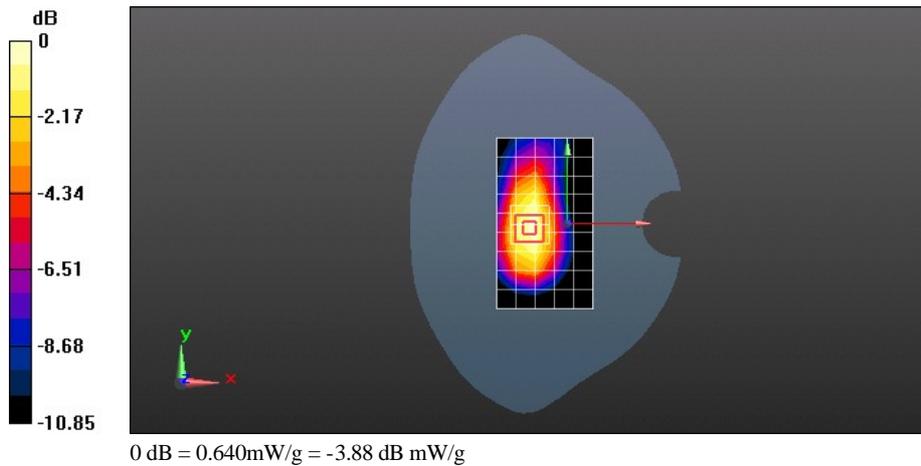
Reference Value = 21.461 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.8560

SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.392 mW/g

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

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



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M QPSK 1RB#49 23095CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.223 mW/g

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

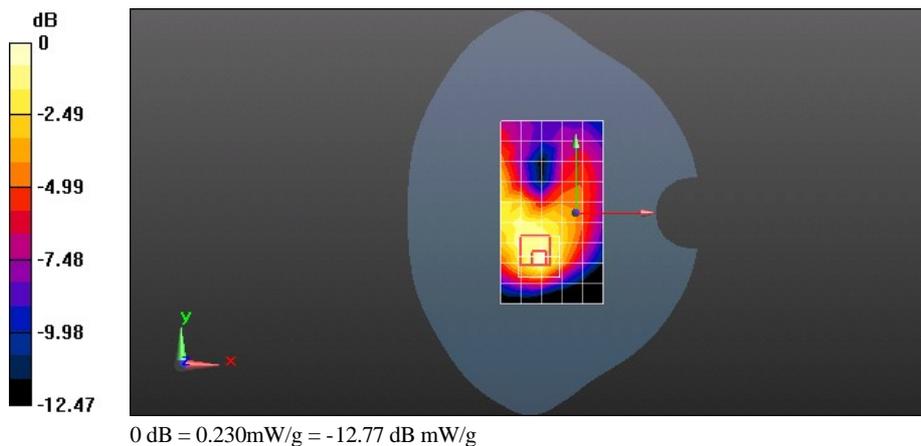
Reference Value = 10.762 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.3590

SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.137 mW/g

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

Maximum value of SAR (measured) = 0.226 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 50%RB#13 23095CH Front Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.407 mW/g

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

Reference Value = 22.112 V/m; Power Drift = -0.0024 dB

Peak SAR (extrapolated) = 0.7770

SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.266 mW/g

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

Maximum value of SAR (measured) = 0.472 mW/g

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

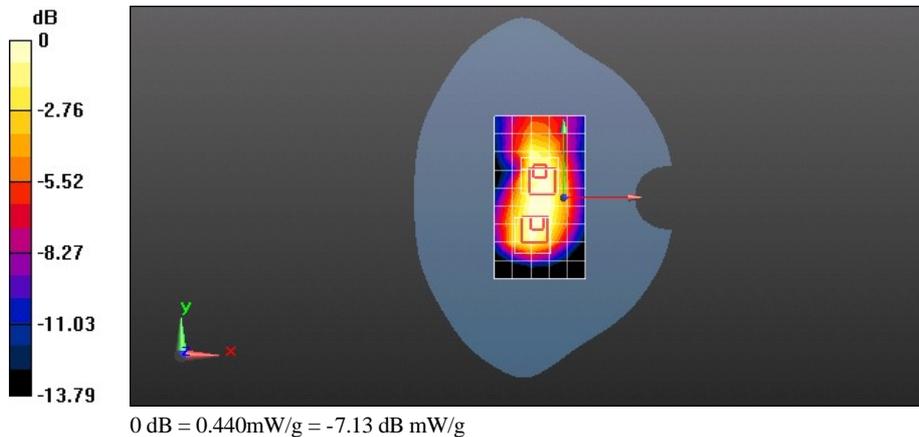
Reference Value = 22.112 V/m; Power Drift = -0.0024 dB

Peak SAR (extrapolated) = 0.5840

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.263 mW/g

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

Maximum value of SAR (measured) = 0.439 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 50%RB#13 23095CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

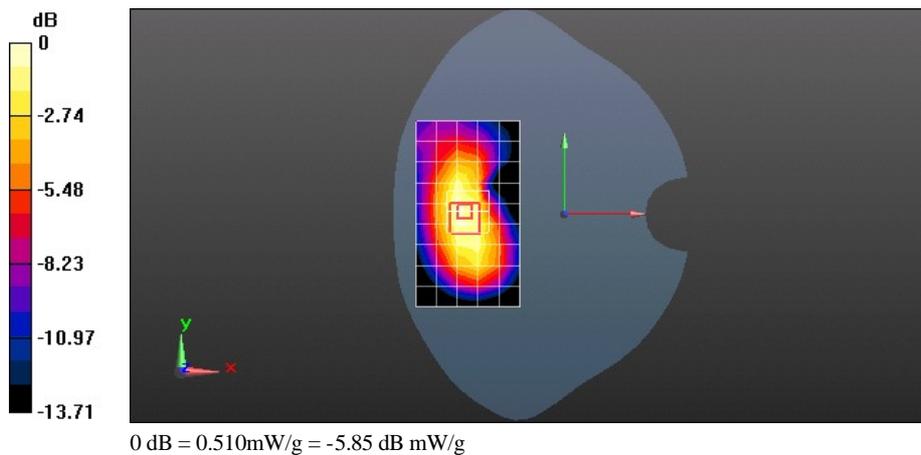
Reference Value = 1.238 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.6960

SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.309 mW/g

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

Maximum value of SAR (measured) = 0.506 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 50%RB#13 23095CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.445 mW/g

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

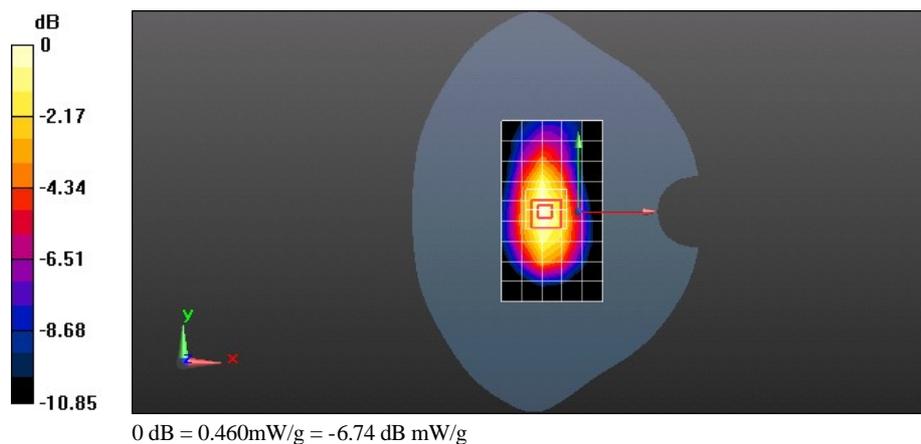
Reference Value = 20.899 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.6200

SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.284 mW/g

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

Maximum value of SAR (measured) = 0.461 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 50%RB#13 23095CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.129 mW/g

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

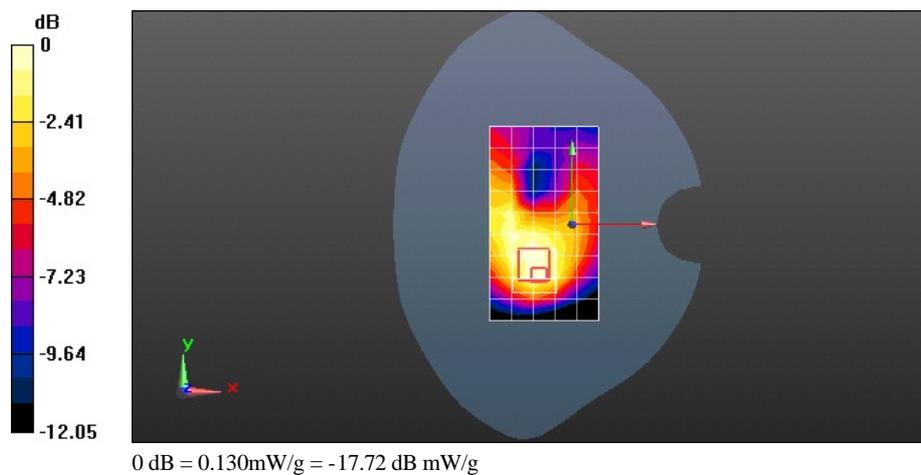
Reference Value = 8.239 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.2140

SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.085 mW/g

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

Maximum value of SAR (measured) = 0.135 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 1RB#0 23130CH Front Side 5mm**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.475 mW/g

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

Reference Value = 23.062 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.8690

SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.300 mW/g

Maximum value of SAR (measured) = 0.541 mW/g

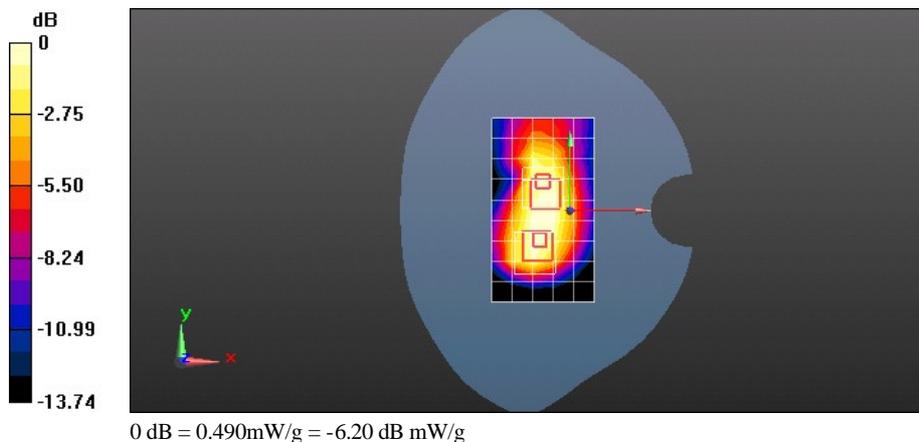
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 23.062 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.6560

SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.494 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 1RB#0 23130CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 711 MHz

Medium parameters used: $f = 711$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

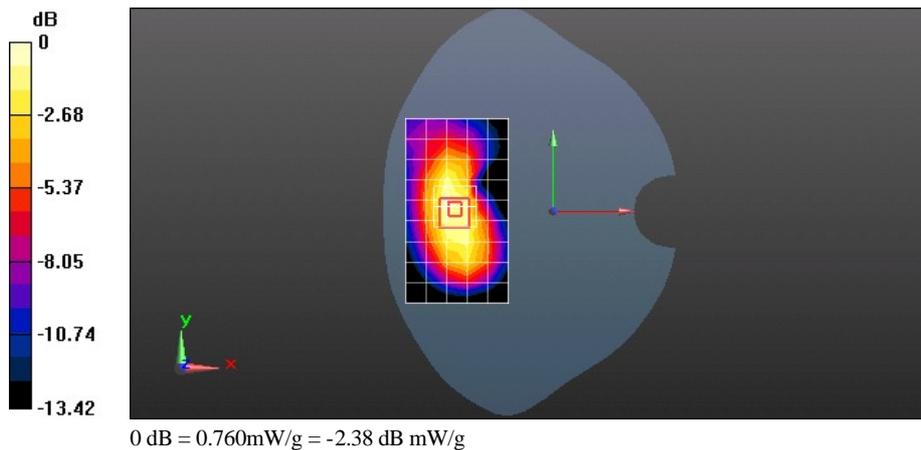
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.599 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.0320

SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.454 mW/g

Maximum value of SAR (measured) = 0.763 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 1RB#0 23095CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.677 mW/g

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

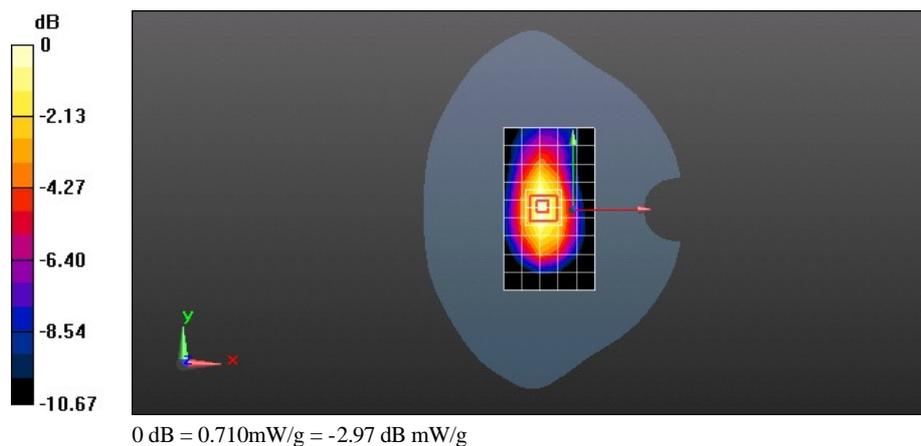
Reference Value = 25.079 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.9630

SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.430 mW/g

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

Maximum value of SAR (measured) = 0.713 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 1RB#0 23095CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.217 mW/g

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

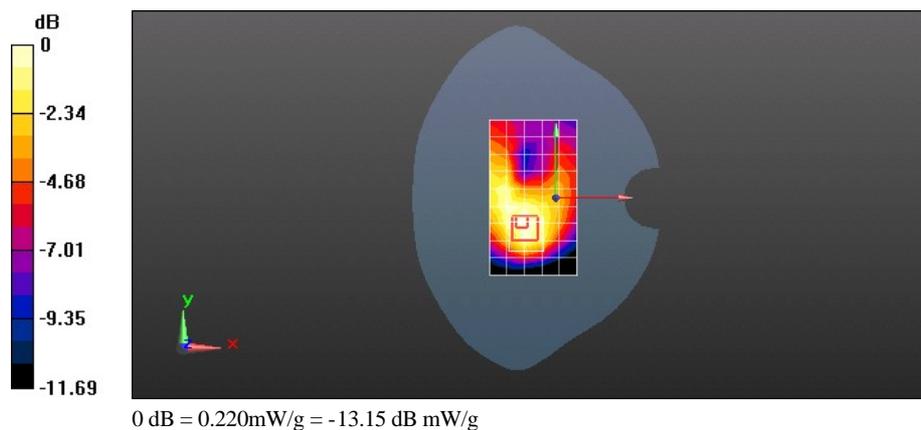
Reference Value = 11.227 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.3380

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.141 mW/g

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

Maximum value of SAR (measured) = 0.219 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 1RB#49 23095CH Front Side 5mm**DUT: E397Bu-502; Type: LTE 2D USB Rotator ; Serial: SAR1**

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 0.468 mW/g

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

Reference Value = 22.144 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.9250

SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.307 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

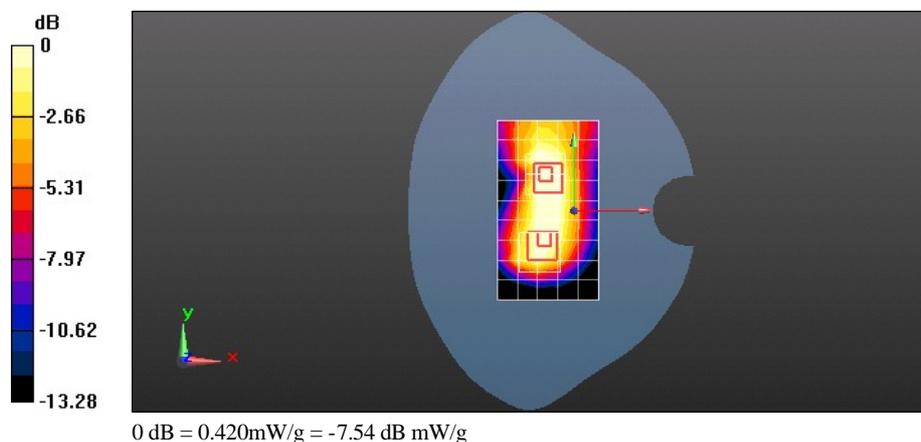
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.144 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.5970

SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.257 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.422 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 1RB#49 23095CH Rear Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.520 mW/g

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

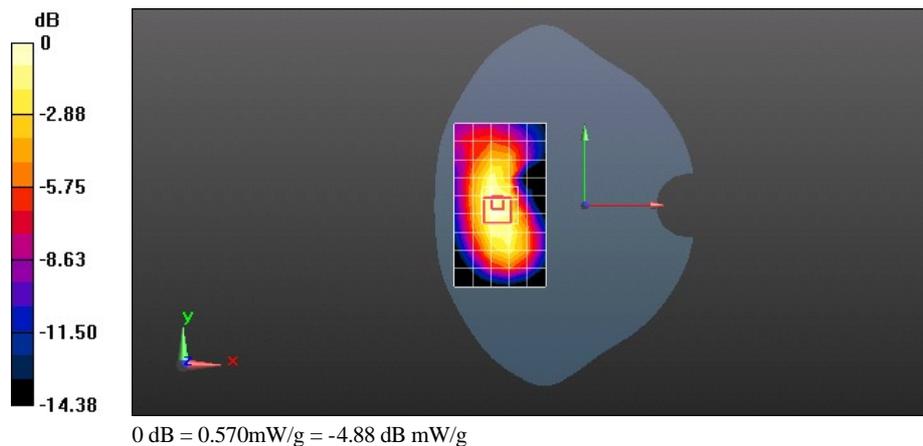
Reference Value = 0.792 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.7730

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.345 mW/g

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

Maximum value of SAR (measured) = 0.569 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 1RB#49 23095CH Left Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (measured) = 0.498 mW/g

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

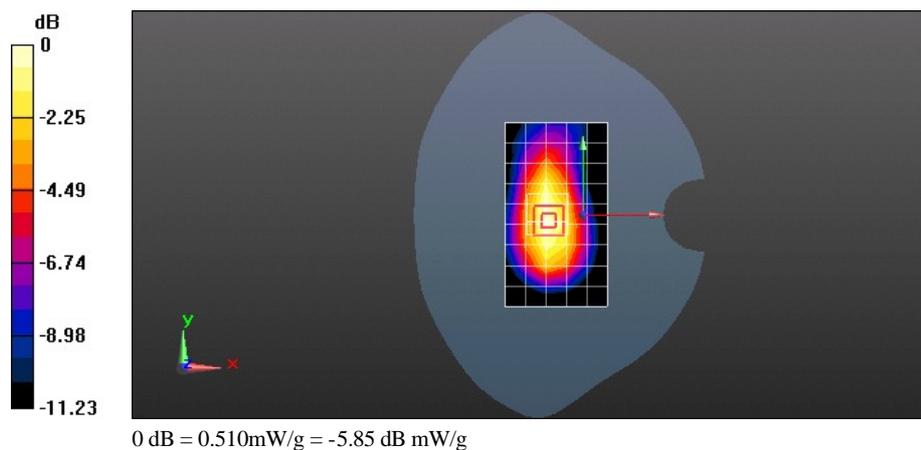
Reference Value = 21.625 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.6910

SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.312 mW/g

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

Maximum value of SAR (measured) = 0.512 mW/g



Test Laboratory: HUAWEI SAR Lab

E397Bu-502 LTE Band XII 10M 16QAM 1RB#49 23095CH Right Side 5mm

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

Communication System: LTE-FDD (SC-FDMA, 10 MHz, QPSK, 16-QAM); Frequency: 707.5 MHz
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.935$ mho/m; $\epsilon_r = 53.341$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

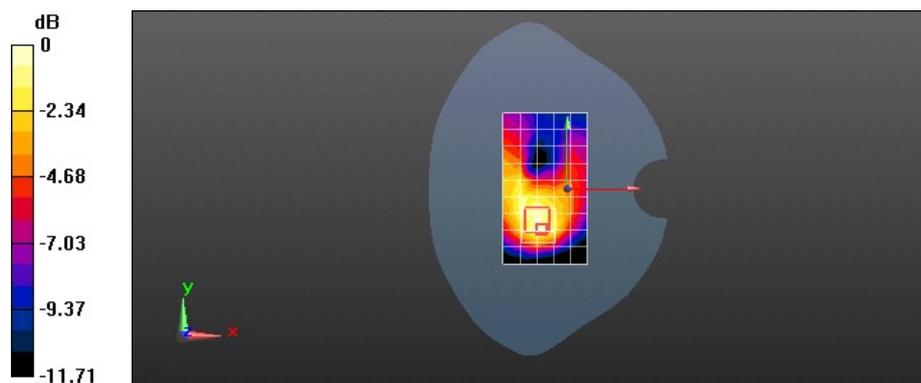
Reference Value = 8.264 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.2870

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.107 mW/g

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

Maximum value of SAR (measured) = 0.180 mW/g



0 dB = 0.180mW/g = -14.89 dB mW/g