Appendix B. SAR Measurement Plots

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GSM 850MHz Body
GSM 1900MHz Body

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 1TS 251CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 848.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; ε_r = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
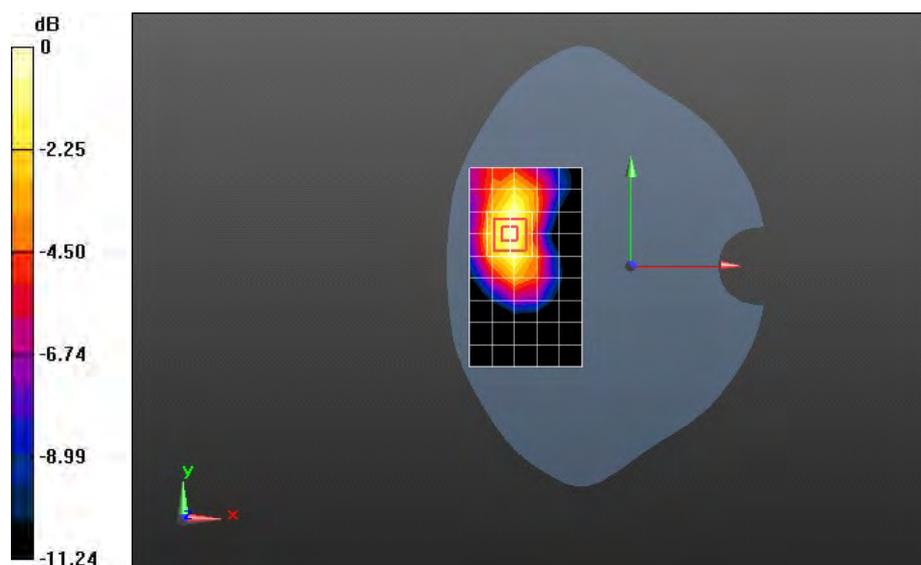Maximum value of SAR (measured) = 0.700 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.492 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.431 W/kg
Maximum value of SAR (measured) = 0.739 W/kg

0 dB = 0.739 W/kg = -1.31 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 1TS 190CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; ε_r = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
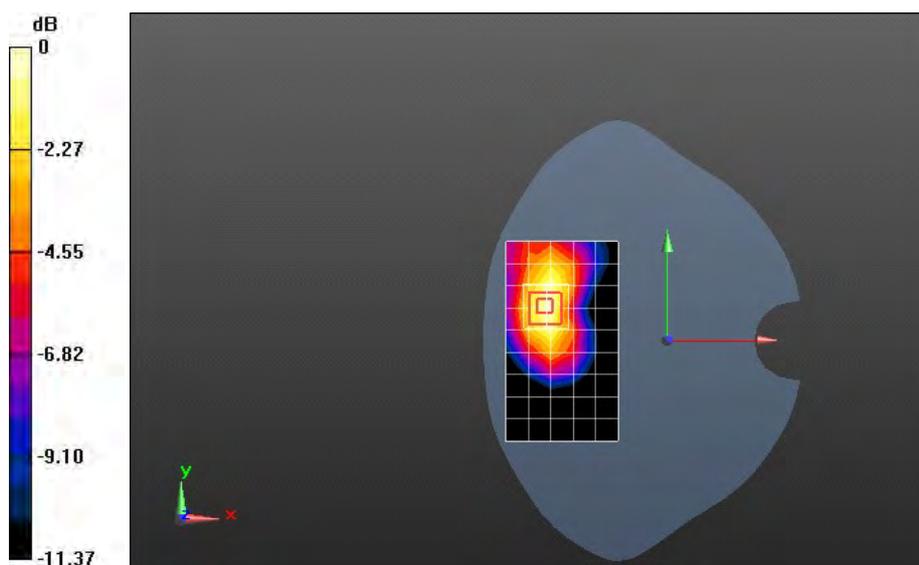Maximum value of SAR (measured) = 0.669 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.418 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.990 W/kg
SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.423 W/kg
Maximum value of SAR (measured) = 0.722 W/kg

0 dB = 0.722 W/kg = -1.41 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 1TS 128CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.929 mho/m; $ε_r$ = 52.835; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.656 W/kg

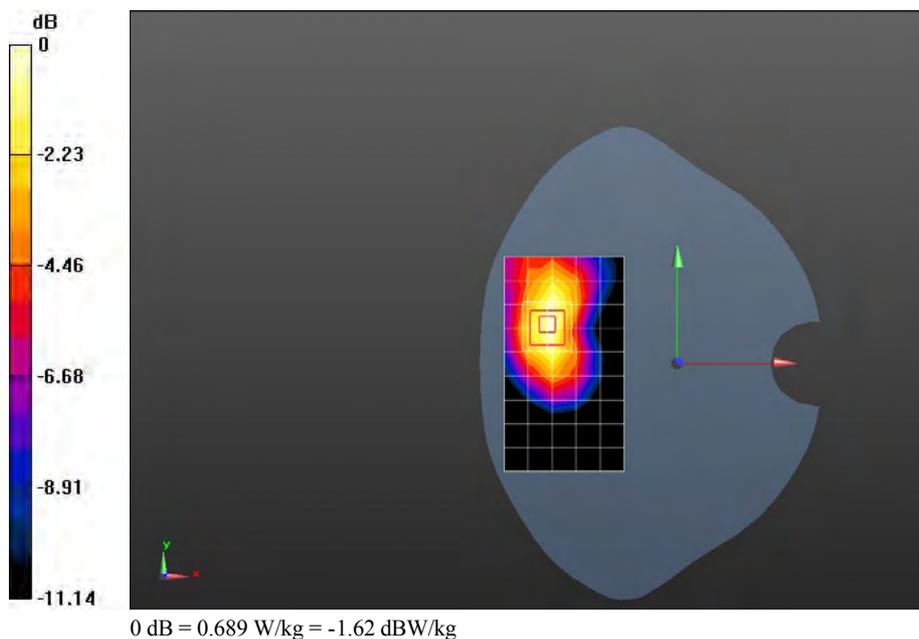**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.560 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.928 W/kg
SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.401 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.689 W/kg

0 dB = 0.689 W/kg = -1.62 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 2TS 251CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 848.8 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; $ε_r$ = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
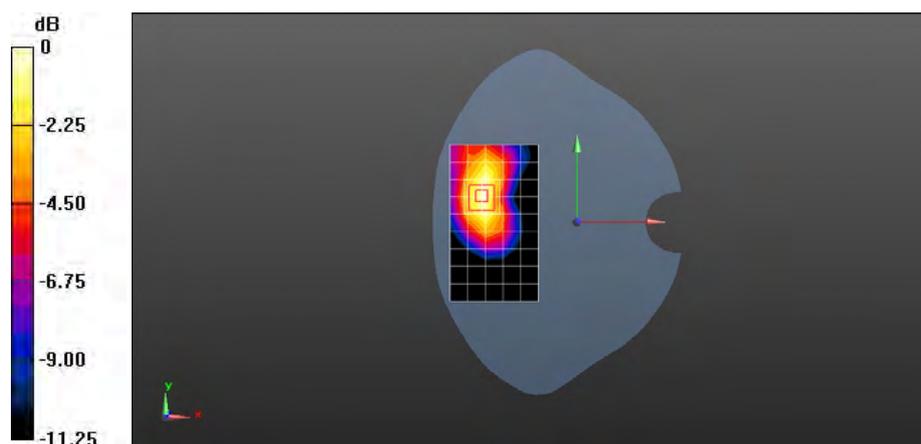Maximum value of SAR (measured) = 0.718 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.522 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.434 W/kg
Maximum value of SAR (measured) = 0.744 W/kg

0 dB = 0.744 W/kg = -1.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 2TS 190CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; $ε_r$ = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
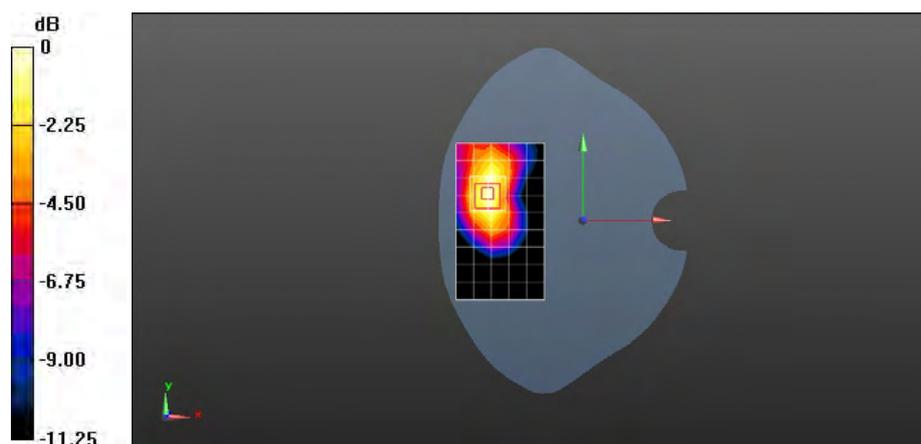Maximum value of SAR (measured) = 0.704 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.562 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.994 W/kg
SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.428 W/kg
Maximum value of SAR (measured) = 0.730 W/kg

0 dB = 0.730 W/kg = -1.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 2TS 128CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 824.4 MHz;Duty Cycle: 1:4.10015
Medium parameters used (interpolated): f = 824.4 MHz; σ = 0.929 mho/m; $ε_r$ = 52.798; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.667 W/kg

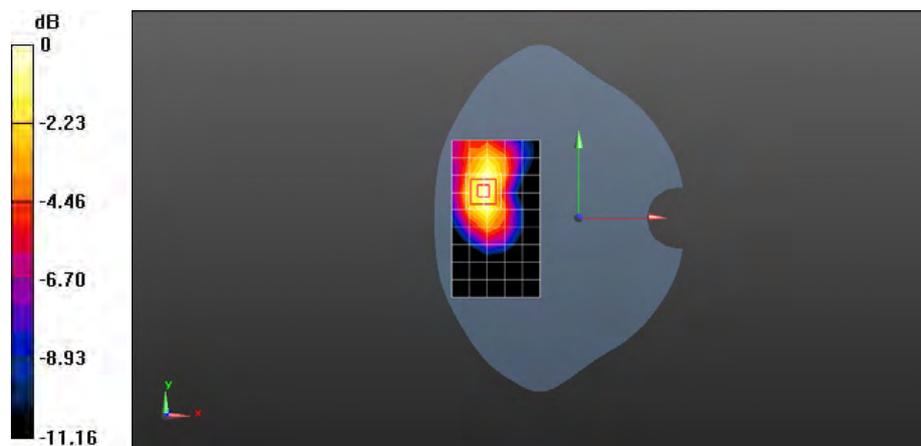**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.572 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.941 W/kg
SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.412 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.709 W/kg

0 dB = 0.709 W/kg = -1.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 3TS 190CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-3TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.77013
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; ε_r = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
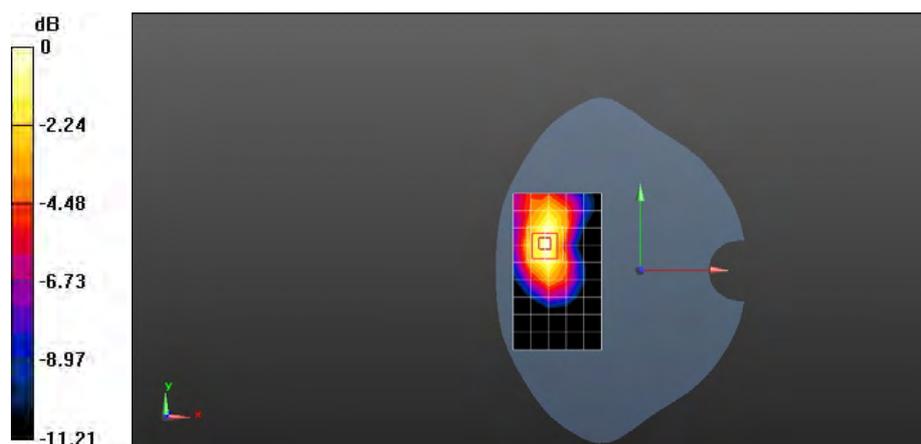Maximum value of SAR (measured) = 0.668 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.557 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.932 W/kg
SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.403 W/kg
Maximum value of SAR (measured) = 0.687 W/kg

0 dB = 0.687 W/kg = -1.63 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 251CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 848.8 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; ε_r = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
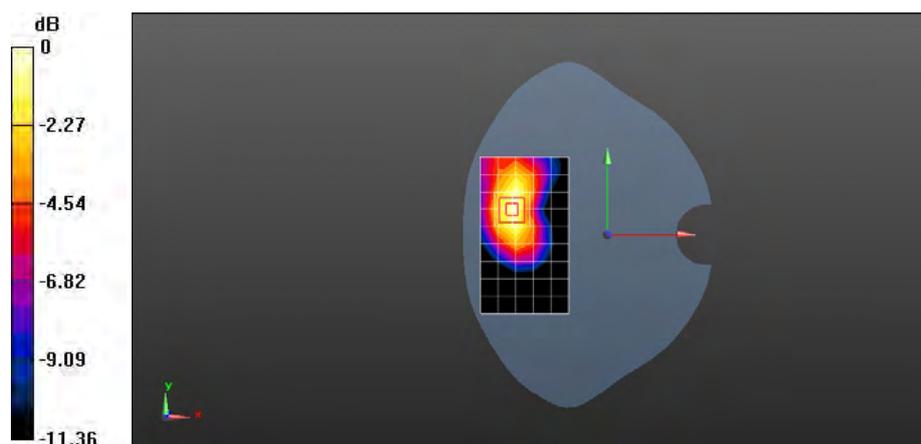Maximum value of SAR (measured) = 0.697 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.473 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.987 W/kg
SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.427 W/kg
Maximum value of SAR (measured) = 0.733 W/kg

0 dB = 0.733 W/kg = -1.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 190CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.0797

Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; $ε_r$ = 52.705; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
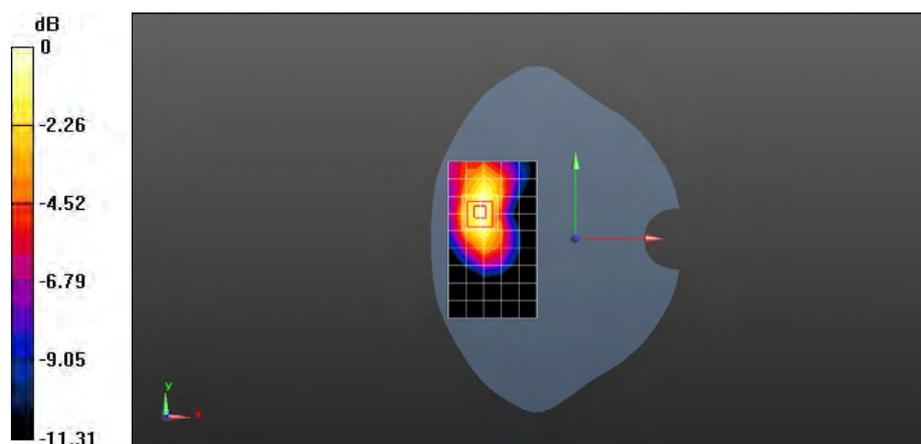Maximum value of SAR (measured) = 0.715 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.683 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.432 W/kg
Maximum value of SAR (measured) = 0.743 W/kg

0 dB = 0.743 W/kg = -1.29 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 128CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 824.2 MHz;Duty Cycle: 1:2.0797
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.929 mho/m; $ε_r$ = 52.835; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.652 W/kg

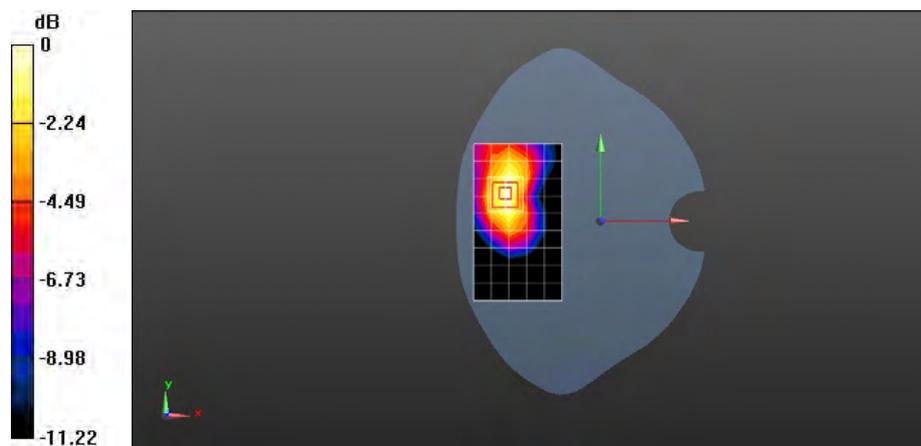**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.570 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.934 W/kg
SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.402 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.689 W/kg

0 dB = 0.689 W/kg = -1.62 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 251CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 848.8 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; $ε_r$ = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
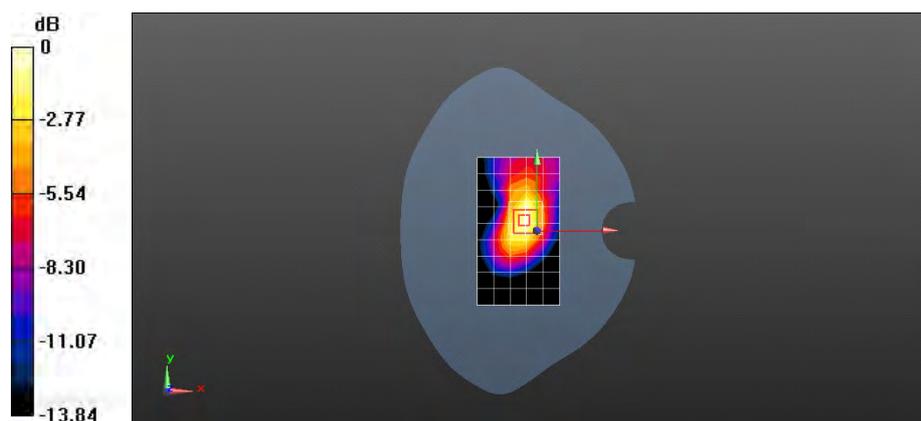Maximum value of SAR (measured) = 0.833 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.511 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.465 W/kg
Maximum value of SAR (measured) = 0.869 W/kg

0 dB = 0.869 W/kg = -0.61 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 190CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; ε_r = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
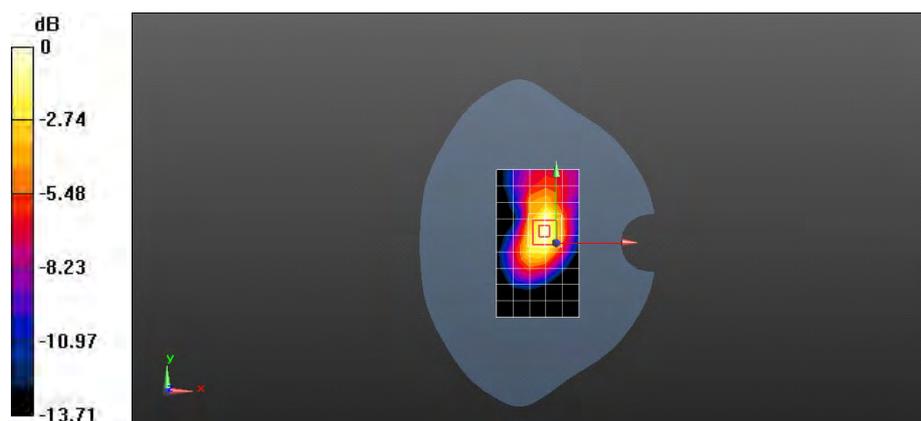Maximum value of SAR (measured) = 0.863 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.928 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.788 W/kg; SAR(10 g) = 0.470 W/kg
Maximum value of SAR (measured) = 0.871 W/kg

0 dB = 0.871 W/kg = -0.60 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 128CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 824.2 MHz;Duty Cycle: 1:2.0797
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.929 mho/m; ε_r = 52.835; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.783 W/kg

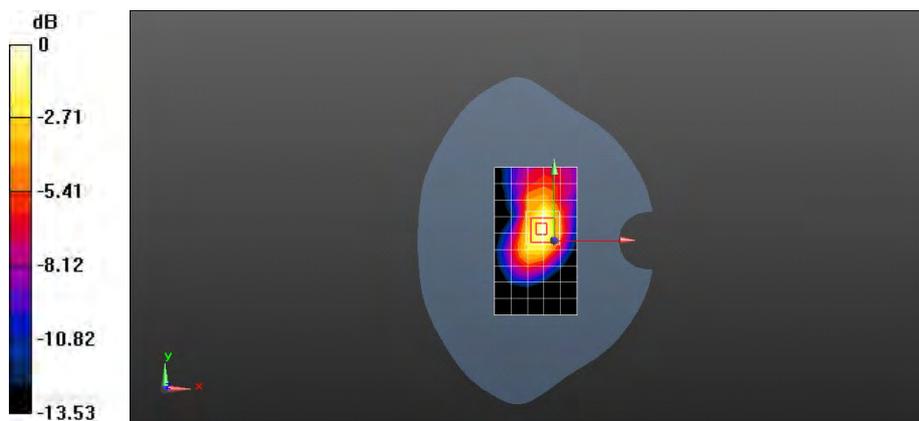**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.696 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.445 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.820 W/kg

0 dB = 0.820 W/kg = -0.86 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 190CH Left side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; ε_r = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
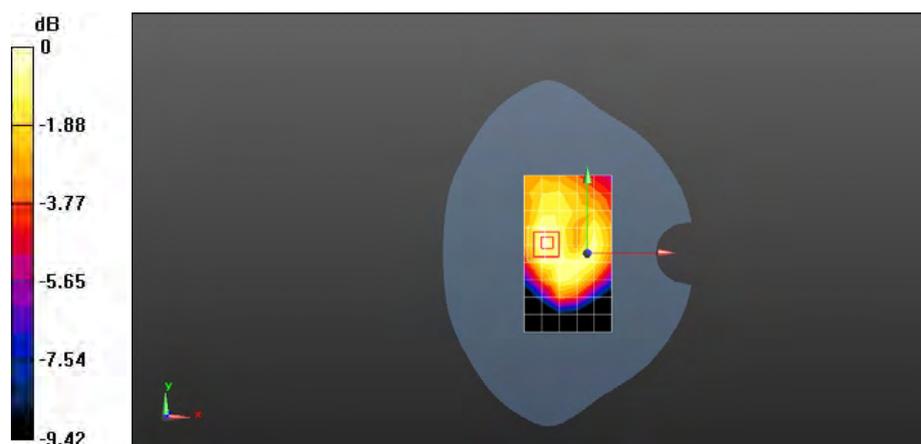Maximum value of SAR (measured) = 0.120 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.521 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.171 W/kg
SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.077 W/kg
Maximum value of SAR (measured) = 0.125 W/kg

0 dB = 0.125 W/kg = -9.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 190CH Right side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; ε_r = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
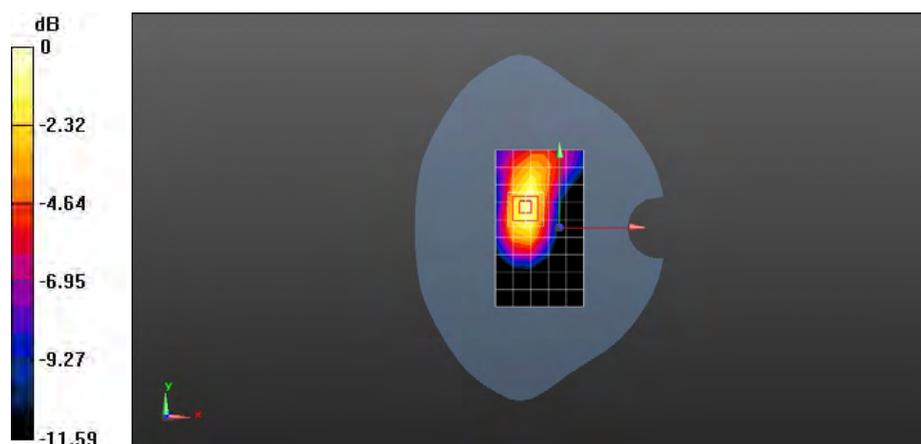Maximum value of SAR (measured) = 0.446 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.429 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.720 W/kg
SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.272 W/kg
Maximum value of SAR (measured) = 0.492 W/kg

0 dB = 0.492 W/kg = -3.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 GPRS 4TS 190CH Tip side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; $ε_r$ = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
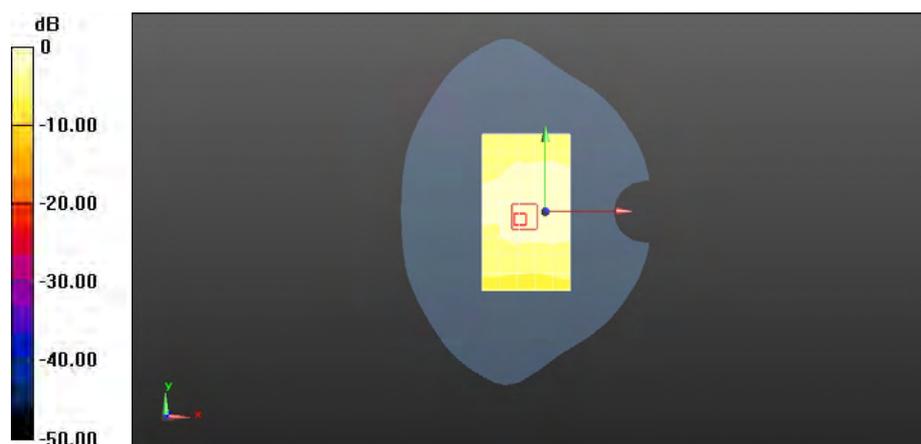Maximum value of SAR (measured) = 0.0177 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.380 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.0500 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.010 W/kg
Maximum value of SAR (measured) = 0.0186 W/kg

0 dB = 0.0186 W/kg = -17.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 1TS 251CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 848.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; $ε_r$ = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
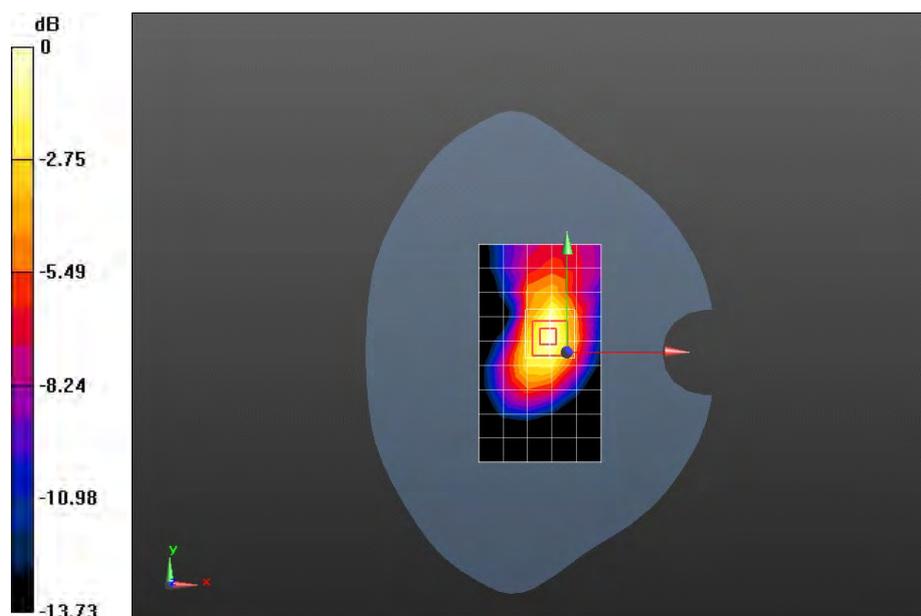Maximum value of SAR (measured) = 0.840 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.390 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.468 W/kg
Maximum value of SAR (measured) = 0.875 W/kg

0 dB = 0.875 W/kg = -0.58 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 1TS 190CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; ε_r = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
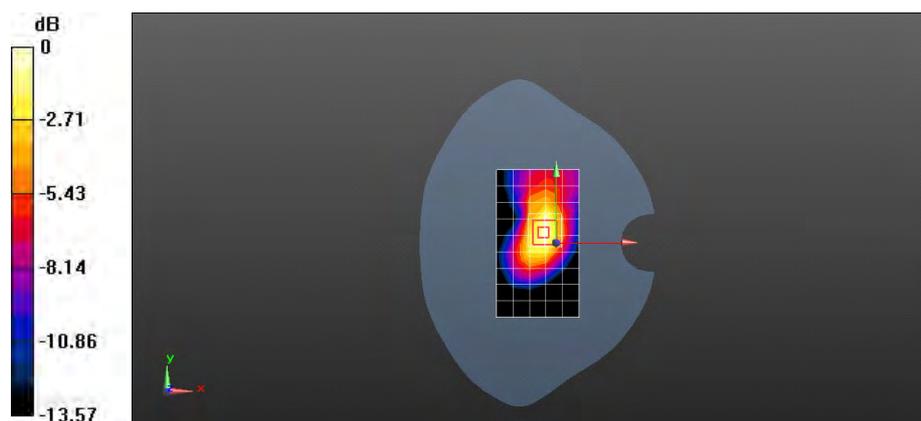Maximum value of SAR (measured) = 0.808 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.957 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.454 W/kg
Maximum value of SAR (measured) = 0.837 W/kg

0 dB = 0.837 W/kg = -0.77 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 1TS 128CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.929 mho/m; $ε_r$ = 52.835; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.767 W/kg

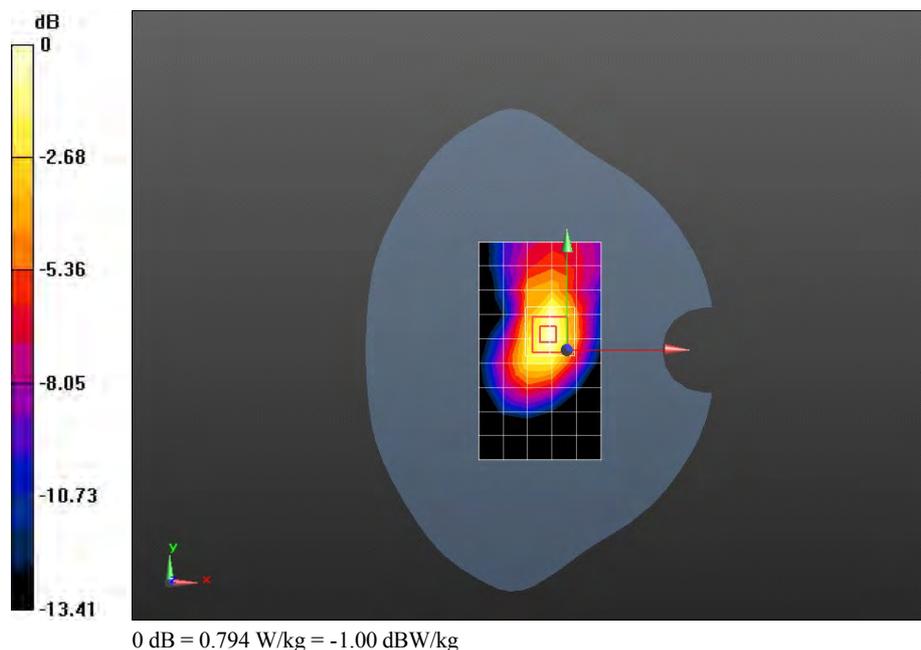**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.551 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.435 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.794 W/kg

0 dB = 0.794 W/kg = -1.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 2TS 251CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 848.8 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; ε_r = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
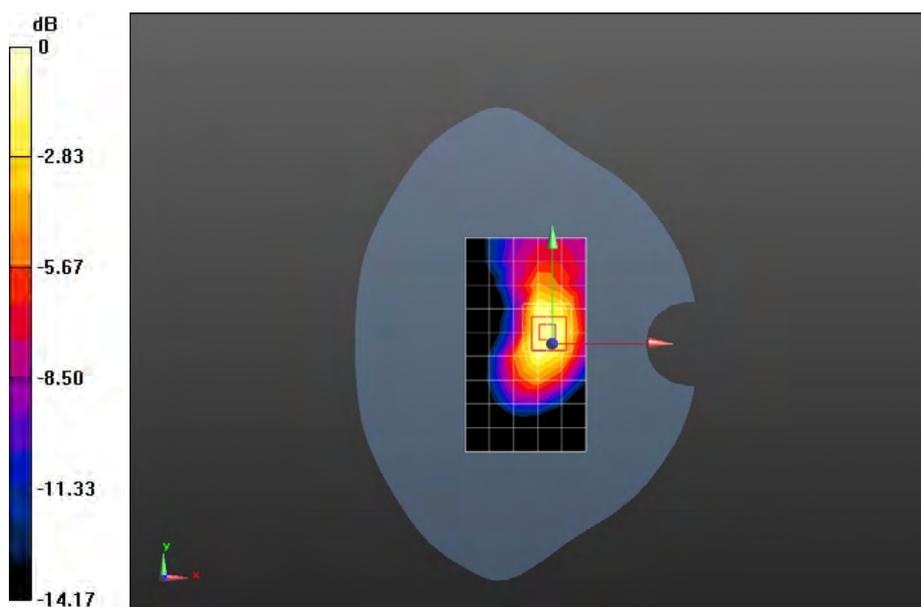Maximum value of SAR (measured) = 0.748 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
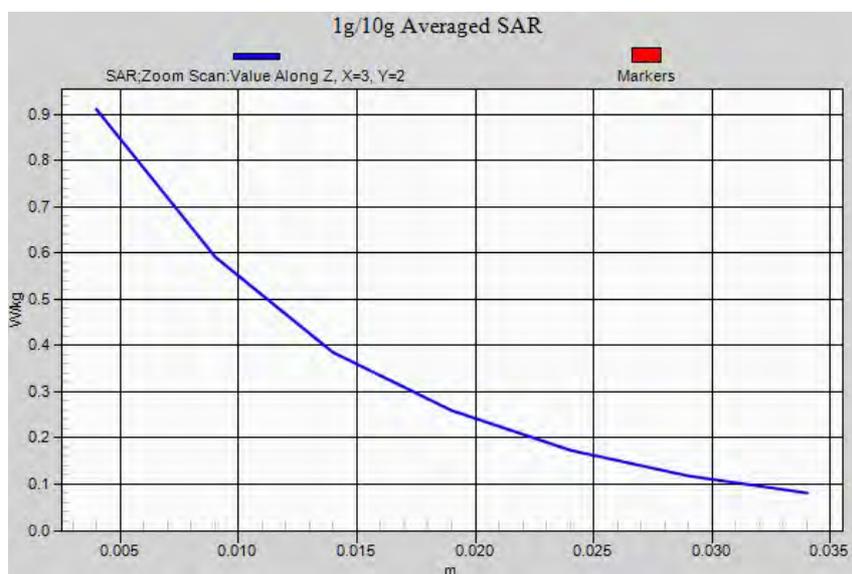Reference Value = 21.898 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.486 W/kg
Maximum value of SAR (measured) = 0.910 W/kg

0 dB = 0.910 W/kg = -0.41 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 2TS 251CH Rear side 5mm repeated

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 848.8 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; ε_r = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
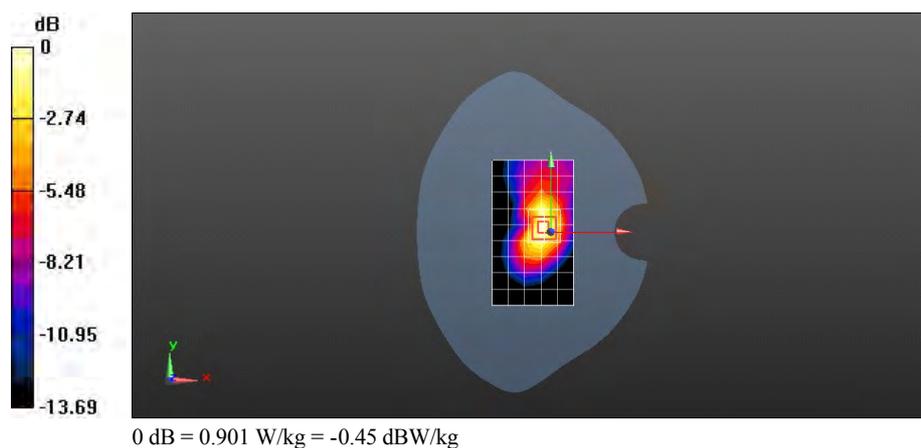Maximum value of SAR (measured) = 0.881 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.260 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.812 W/kg; SAR(10 g) = 0.481 W/kg
Maximum value of SAR (measured) = 0.901 W/kg

0 dB = 0.901 W/kg = -0.45 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 2TS 190CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 836.6 MHz;Duty Cycle: 1:4.10015

Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; $ε_r$ = 52.705; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
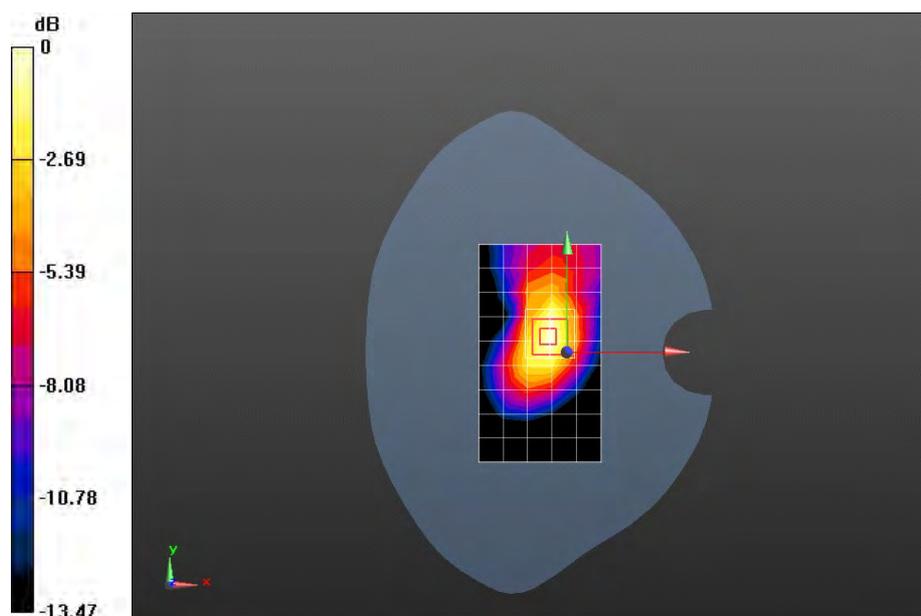
Maximum value of SAR (measured) = 0.810 W/kg

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

Reference Value = 28.282 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.457 W/kg

Maximum value of SAR (measured) = 0.836 W/kg

0 dB = 0.836 W/kg = -0.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 2TS 128CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 824.4 MHz;Duty Cycle: 1:4.10015

Medium parameters used (interpolated): f = 824.4 MHz; σ = 0.929 mho/m; ε$_r$ = 52.798; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.715 W/kg

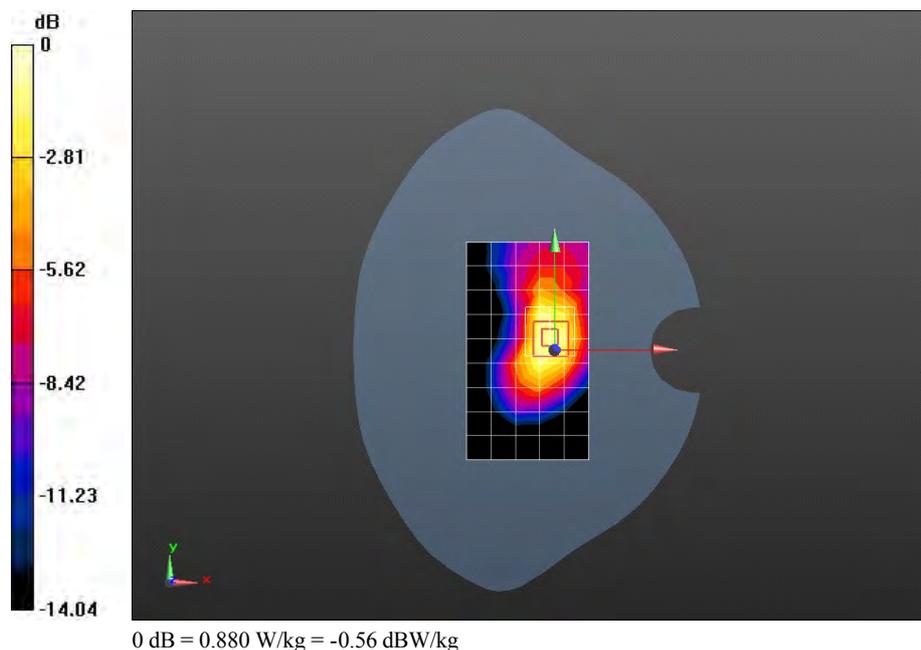**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.982 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.476 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.880 W/kg

0 dB = 0.880 W/kg = -0.56 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 3TS 251CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-3TS; Frequency: 848.8 MHz;Duty Cycle: 1:2.77013
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; ε_r = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
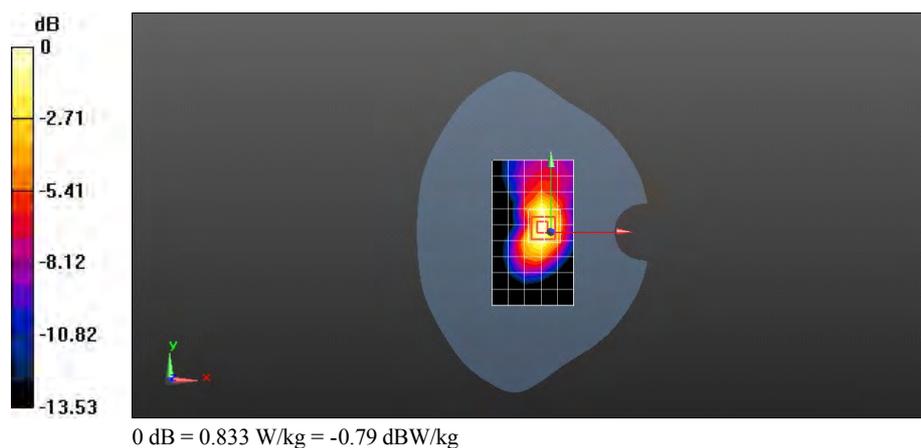Maximum value of SAR (measured) = 0.825 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.956 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.450 W/kg
Maximum value of SAR (measured) = 0.833 W/kg

0 dB = 0.833 W/kg = -0.79 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 3TS 190CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-3TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.77013
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; $ε_r$ = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
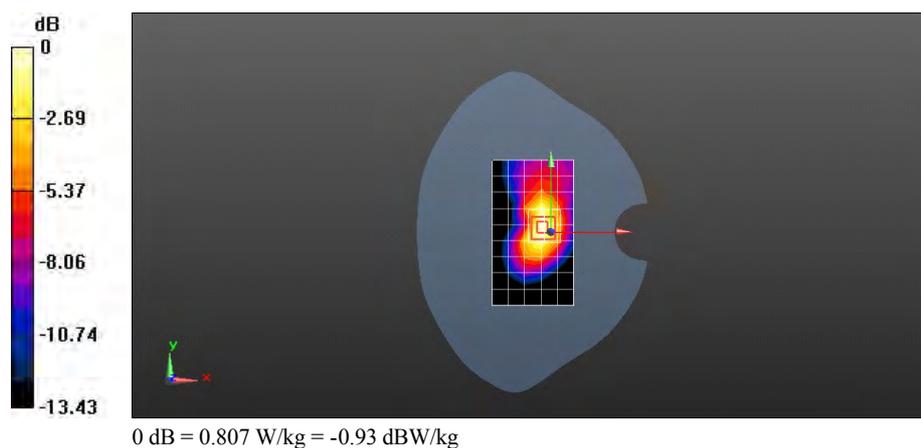Maximum value of SAR (measured) = 0.805 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.798 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.738 W/kg; SAR(10 g) = 0.440 W/kg
Maximum value of SAR (measured) = 0.807 W/kg

0 dB = 0.807 W/kg = -0.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 3TS 128CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-3TS; Frequency: 824.2 MHz;Duty Cycle: 1:2.77013
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.929 mho/m; ε_r = 52.835; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.785 W/kg

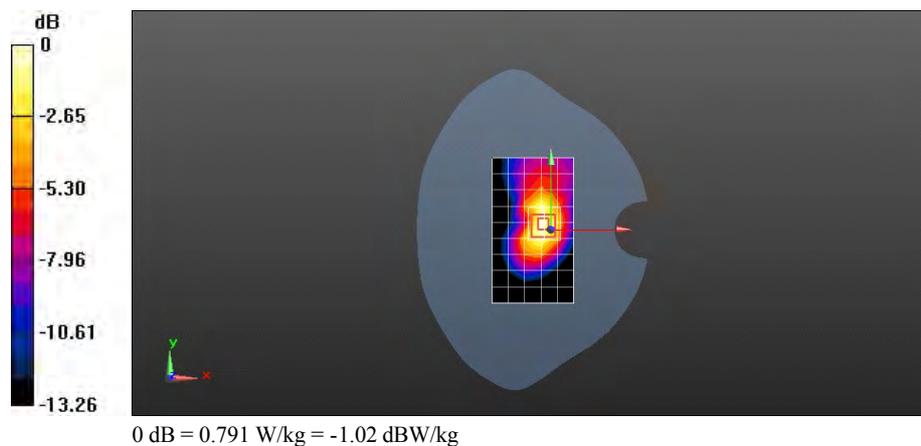**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.691 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.433 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.791 W/kg

0 dB = 0.791 W/kg = -1.02 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 4TS 251CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 848.8 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 849 MHz; σ = 0.949 mho/m; ε_r = 52.693; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
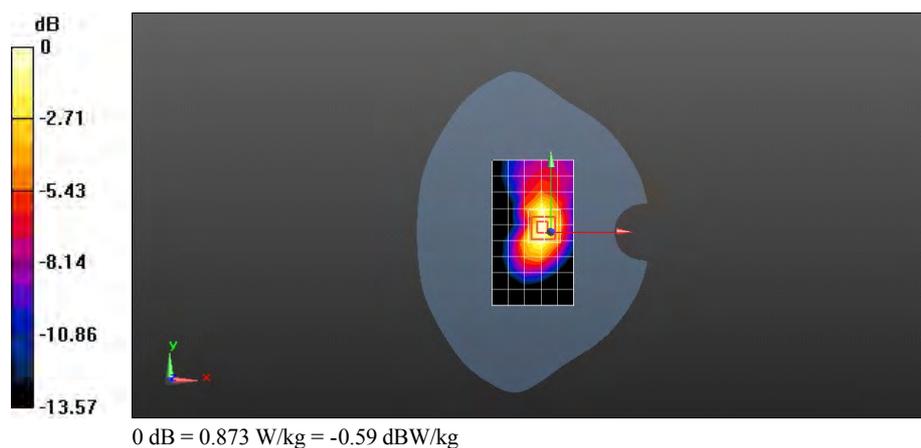Maximum value of SAR (measured) = 0.863 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.548 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.792 W/kg; SAR(10 g) = 0.468 W/kg
Maximum value of SAR (measured) = 0.873 W/kg

0 dB = 0.873 W/kg = -0.59 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 4TS 190CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 836.6 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 837 MHz; σ = 0.941 mho/m; ε_r = 52.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
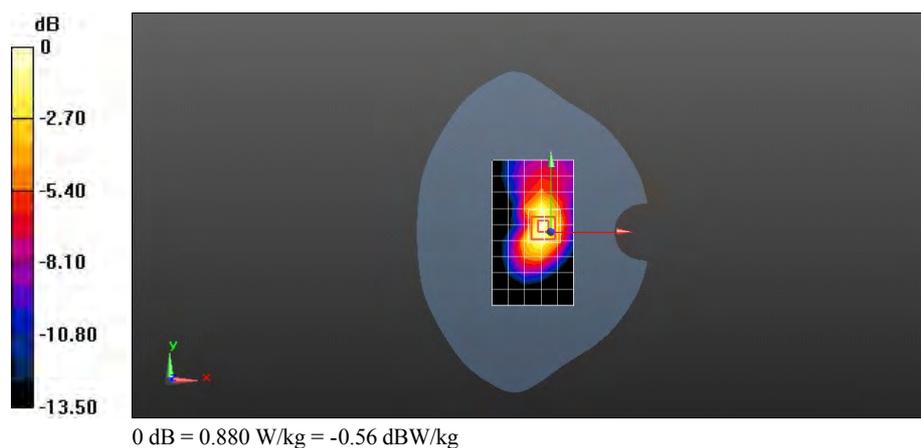Maximum value of SAR (measured) = 0.874 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.131 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.802 W/kg; SAR(10 g) = 0.478 W/kg
Maximum value of SAR (measured) = 0.880 W/kg

0 dB = 0.880 W/kg = -0.56 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM850 EGPRS 4TS 128CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 824.2 MHz;Duty Cycle: 1:2.0797
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.929 mho/m; ε_r = 52.835; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.821 W/kg

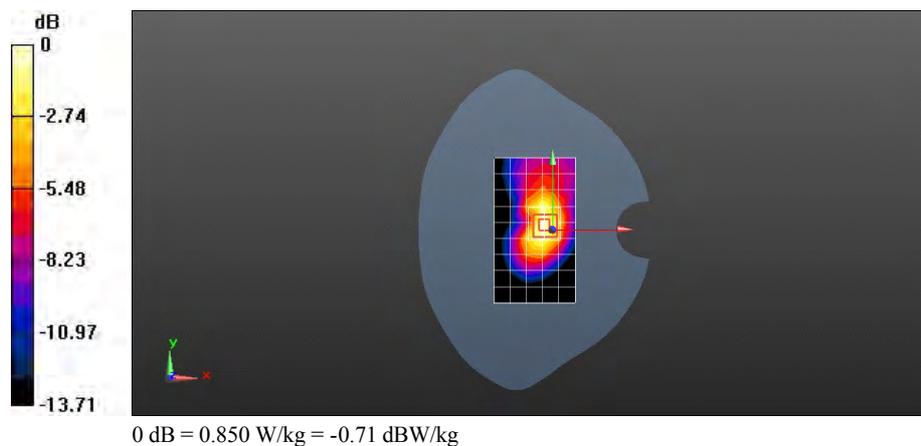**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.463 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.764 W/kg; SAR(10 g) = 0.458 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.850 W/kg

0 dB = 0.850 W/kg = -0.71 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 GPRS 1TS 661CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.503 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.818 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.964 W/kg
SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.299 W/kg
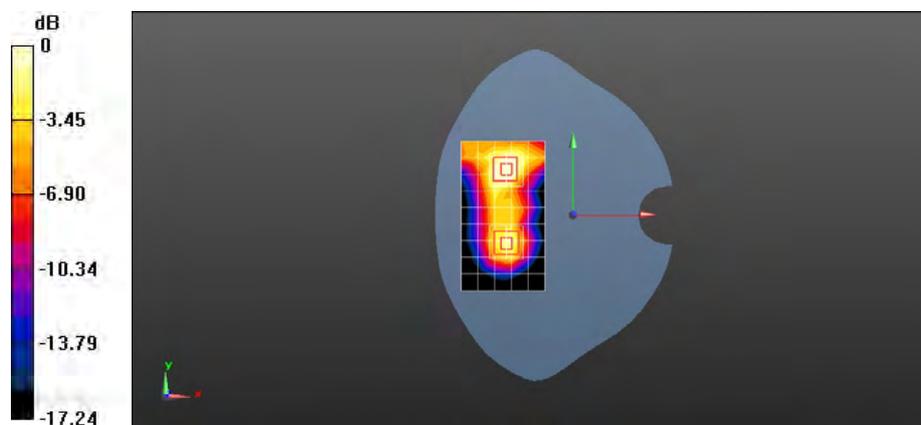Maximum value of SAR (measured) = 0.644 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
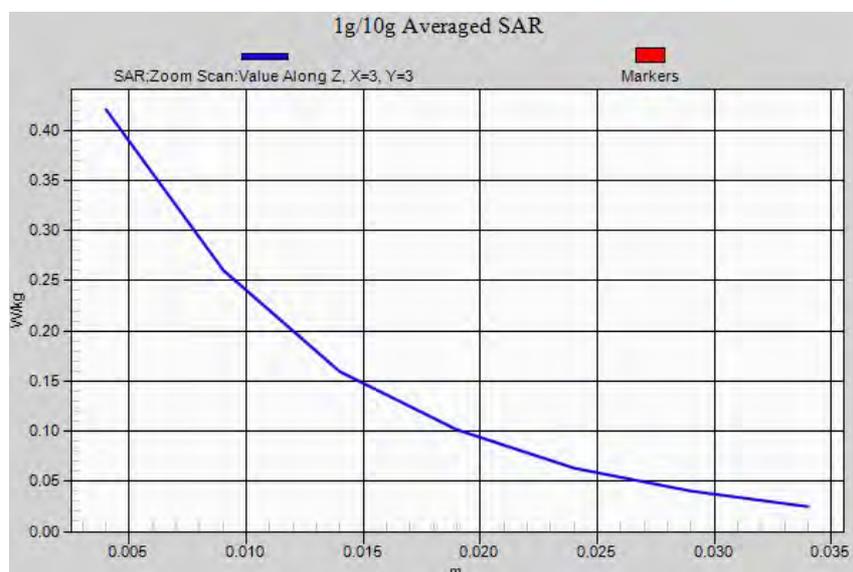Reference Value = 0.818 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.631 W/kg
SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.194 W/kg
Maximum value of SAR (measured) = 0.420 W/kg

0 dB = 0.420 W/kg = -3.77 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 GPRS 2TS 661CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz;Duty Cycle: 1:4.10015

Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.496 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.108 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.962 W/kg
SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.296 W/kg
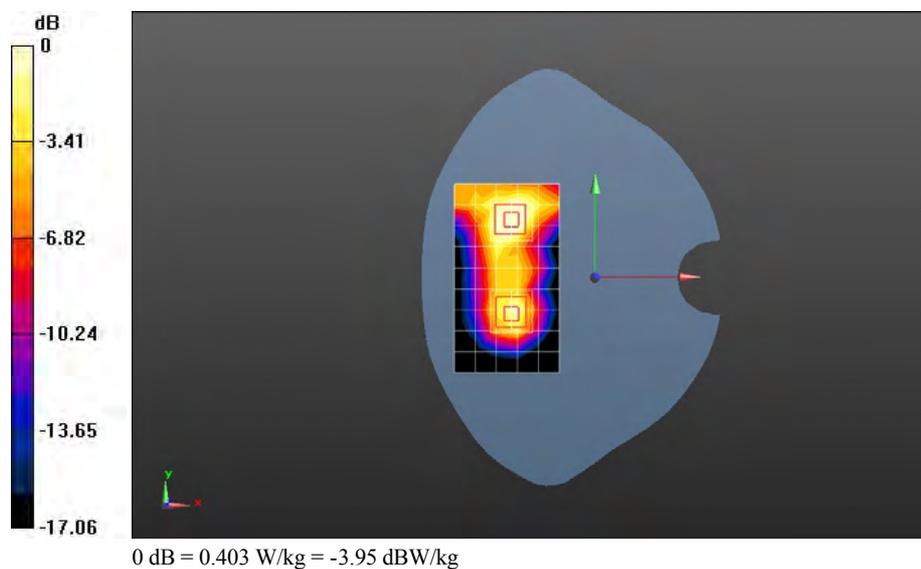Maximum value of SAR (measured) = 0.643 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.108 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.612 W/kg
SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.186 W/kg
Maximum value of SAR (measured) = 0.403 W/kg

0 dB = 0.403 W/kg = -3.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 GPRS 3TS 661CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-3TS; Frequency: 1880 MHz;Duty Cycle: 1:2.77013
Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.482 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.987 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.937 W/kg
SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.286 W/kg
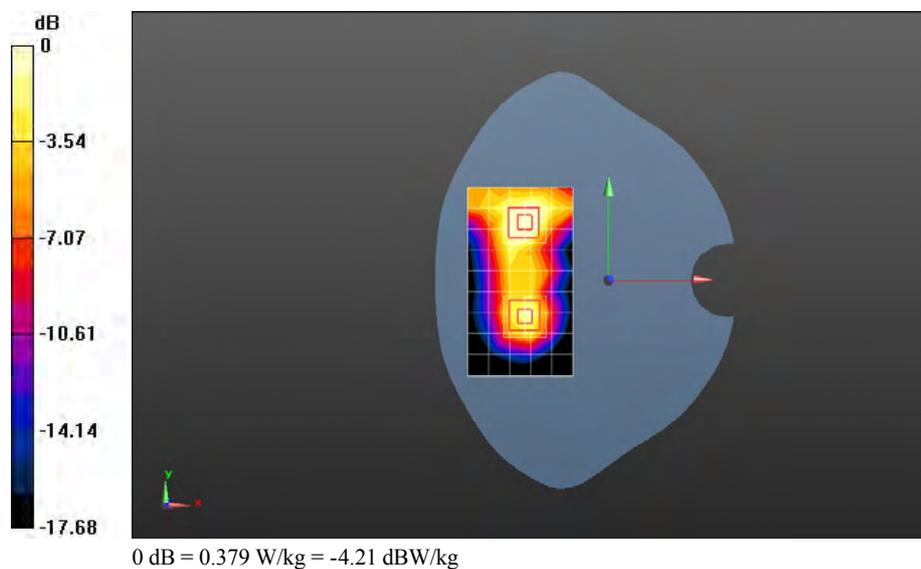Maximum value of SAR (measured) = 0.621 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.987 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.568 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.175 W/kg
Maximum value of SAR (measured) = 0.379 W/kg

0 dB = 0.379 W/kg = -4.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 GPRS 4TS 661CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
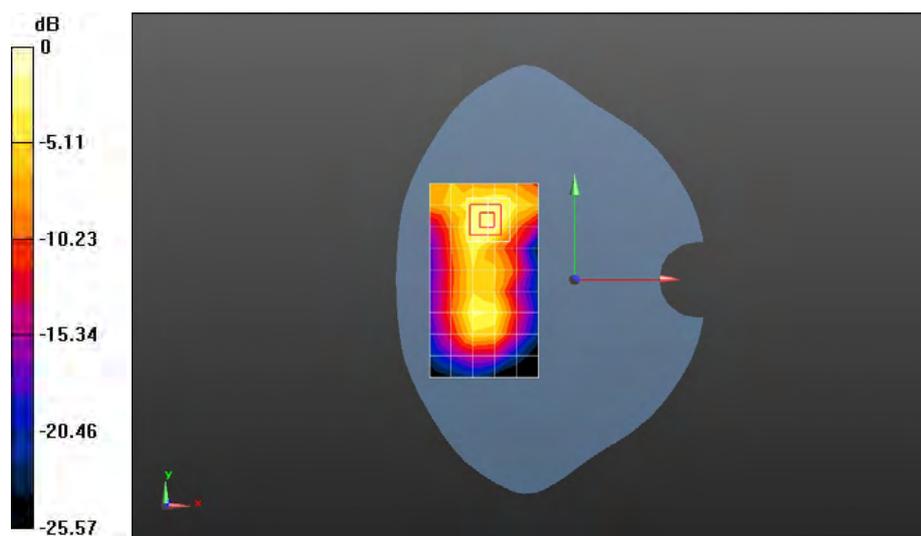Maximum value of SAR (measured) = 0.428 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.970 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.914 W/kg
SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.279 W/kg
Maximum value of SAR (measured) = 0.604 W/kg

0 dB = 0.604 W/kg = -2.19 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 GPRS 1TS 661CH Rear side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
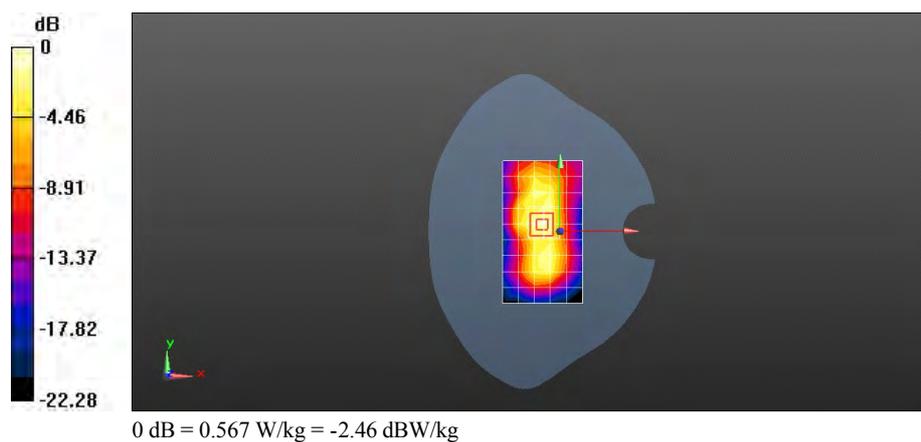
Maximum value of SAR (measured) = 0.448 W/kg

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

Reference Value = 18.727 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.833 W/kg

SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.567 W/kg

0 dB = 0.567 W/kg = -2.46 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 GPRS 1TS 661CH Left side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
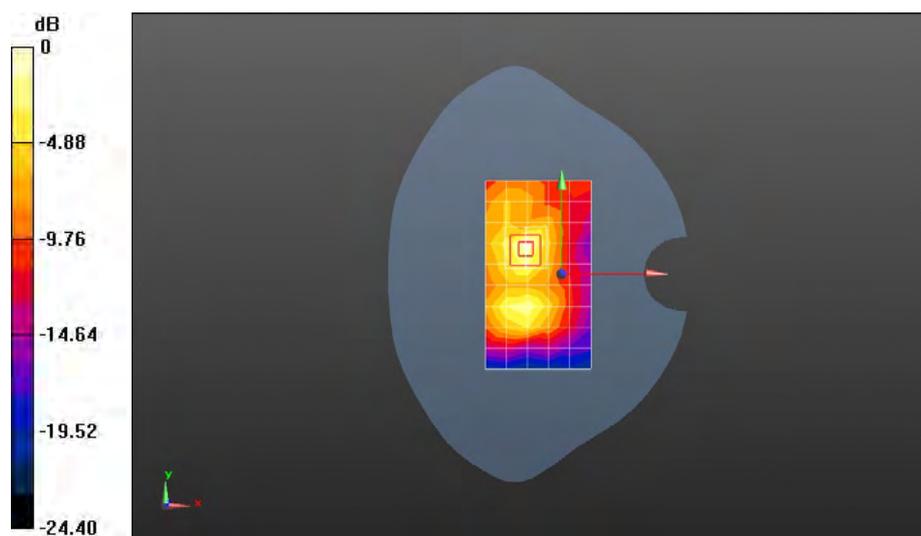Maximum value of SAR (measured) = 0.120 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.143 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.131 W/kg

0 dB = 0.131 W/kg = -8.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 GPRS 1TS 661CH Right side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
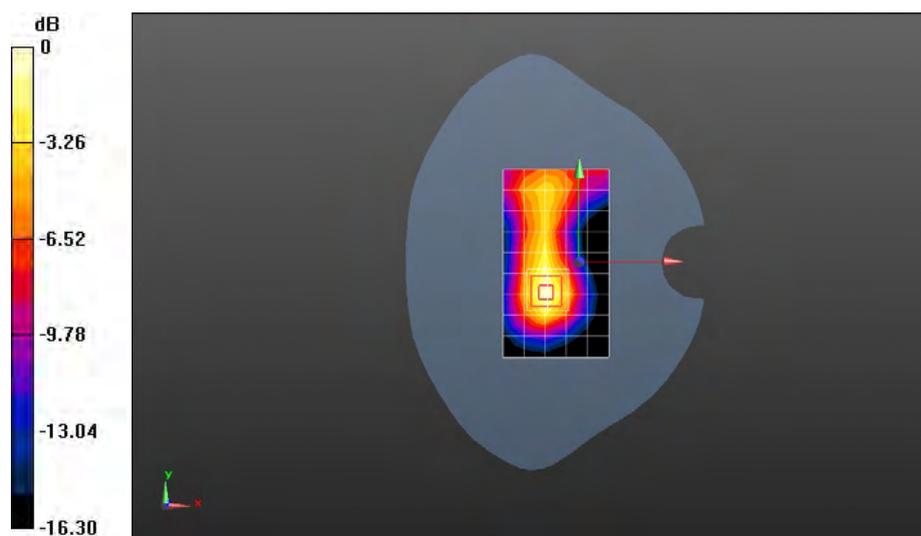
Maximum value of SAR (measured) = 0.421 W/kg

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

Reference Value = 10.594 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.593 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.403 W/kg

0 dB = 0.403 W/kg = -3.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 GPRS 1TS 661CH Top side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; $ε_r$ = 52.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
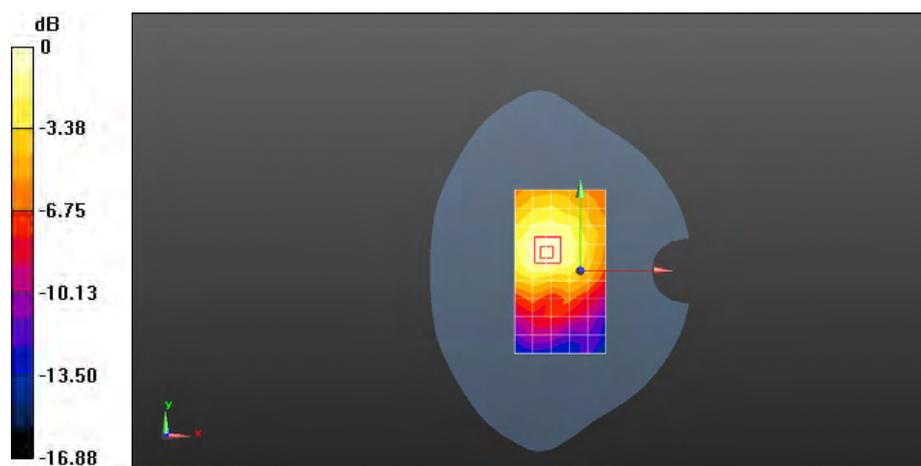
Maximum value of SAR (measured) = 0.0336 W/kg

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

Reference Value = 3.919 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0530 W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.0361 W/kg

0 dB = 0.0361 W/kg = -14.42 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 EGPRS 1TS 661CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
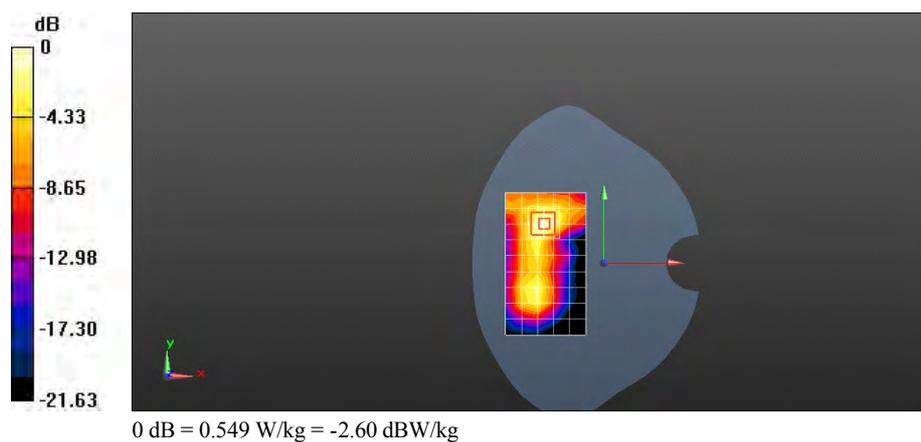
Maximum value of SAR (measured) = 0.469 W/kg

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

Reference Value = 0.692 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.549 W/kg

0 dB = 0.549 W/kg = -2.60 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 EGPRS 2TS 661CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1880 MHz;Duty Cycle: 1:4.10015

Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
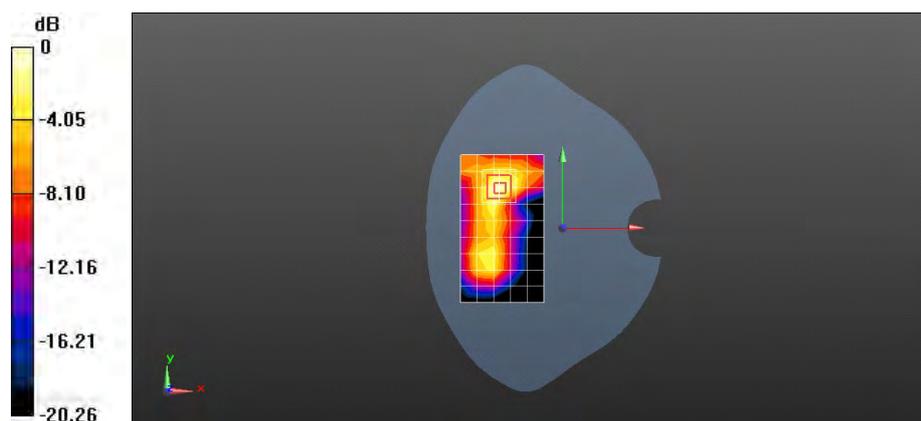
Maximum value of SAR (measured) = 0.492 W/kg

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

Reference Value = 0.682 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.857 W/kg

SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.263 W/kg

Maximum value of SAR (measured) = 0.561 W/kg

0 dB = 0.561 W/kg = -2.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 EGPRS 3TS 661CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-3TS; Frequency: 1880 MHz;Duty Cycle: 1:2.77013

Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
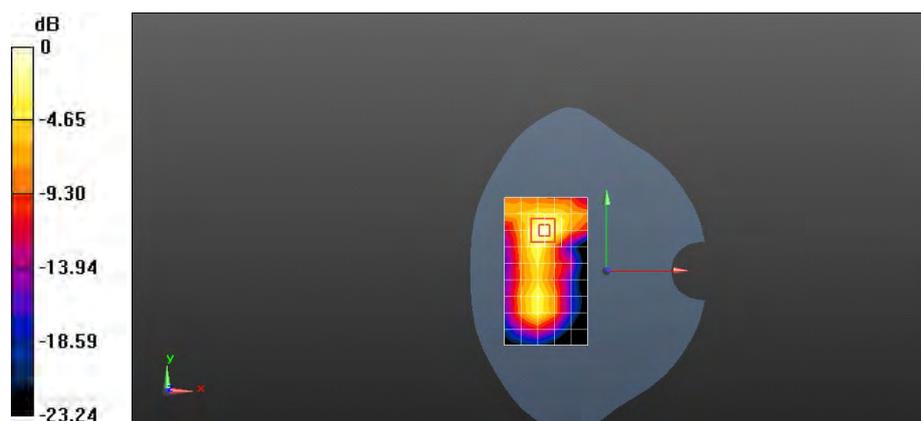
Maximum value of SAR (measured) = 0.489 W/kg

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

Reference Value = 0.886 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.894 W/kg

SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.588 W/kg

0 dB = 0.588 W/kg = -2.31 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

203HW GSM1900 EGPRS 4TS 661CH Front side 5mm

DUT: 203HW; Type: LTE USB Rotator; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-4TS; Frequency: 1880 MHz;Duty Cycle: 1:2.0797
Medium parameters used: f = 1880 MHz; σ = 1.522 mho/m; ε_r = 52.951; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2012-7-25
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
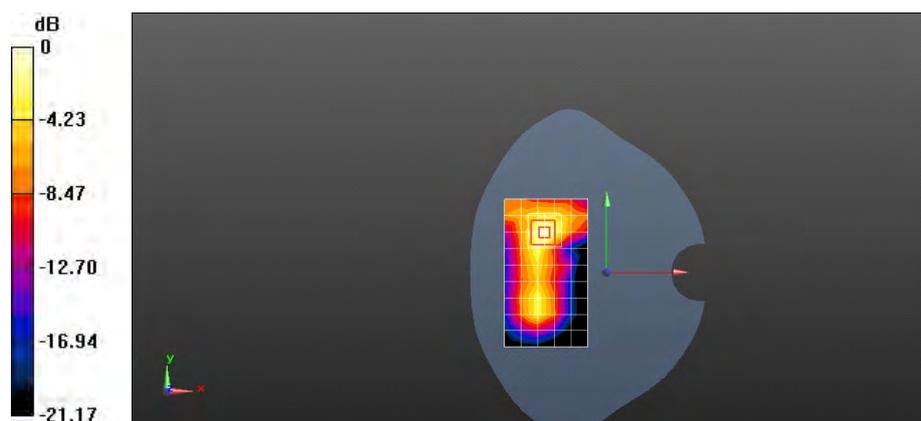Maximum value of SAR (measured) = 0.523 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.801 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.948 W/kg
SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.289 W/kg
Maximum value of SAR (measured) = 0.622 W/kg

0 dB = 0.622 W/kg = -2.06 dBW/kg