

# Appendix B

## Detailed Test Results

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Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM850 190CH Right cheek with Battery 2# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: HSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.897$  S/m;  $\epsilon_r = 41.911$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.61, 8.61, 8.61); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.193 W/kg

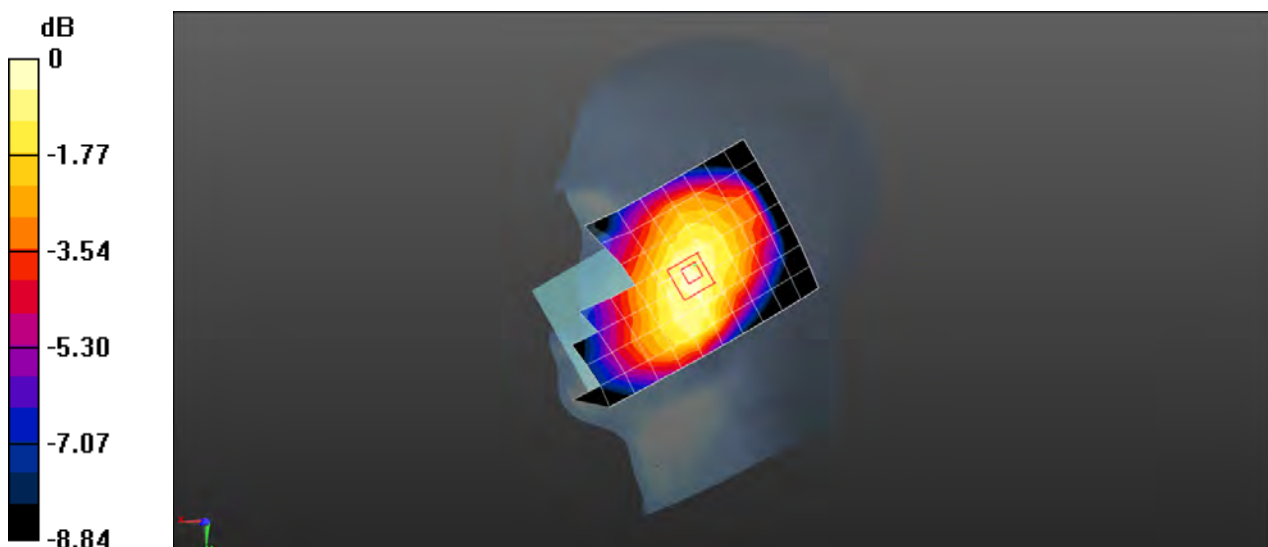
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.997 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.218 W/kg

**SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.131 W/kg**

Maximum value of SAR (measured) = 0.196 W/kg



0 dB = 0.196 W/kg = -7.08 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM850 190CH Back side 15mm with Battery 2# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.983$  S/m;  $\epsilon_r = 53.905$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.295 W/kg

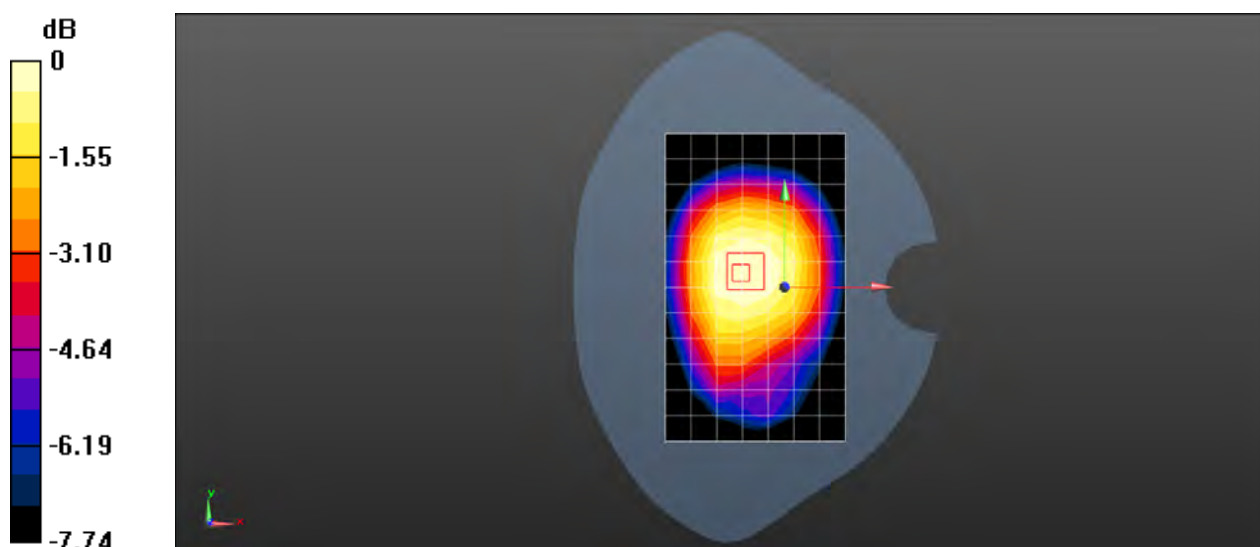
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.24 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.311 W/kg

**SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.203 W/kg**

Maximum value of SAR (measured) = 0.290 W/kg



0 dB = 0.290 W/kg = -5.38 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM850 GPRS 3TS 190CH Back side 10mm with Battery 2# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, GPRS/EGPRS Mode(3up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77013

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.983$  S/m;  $\epsilon_r = 53.905$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.334 W/kg

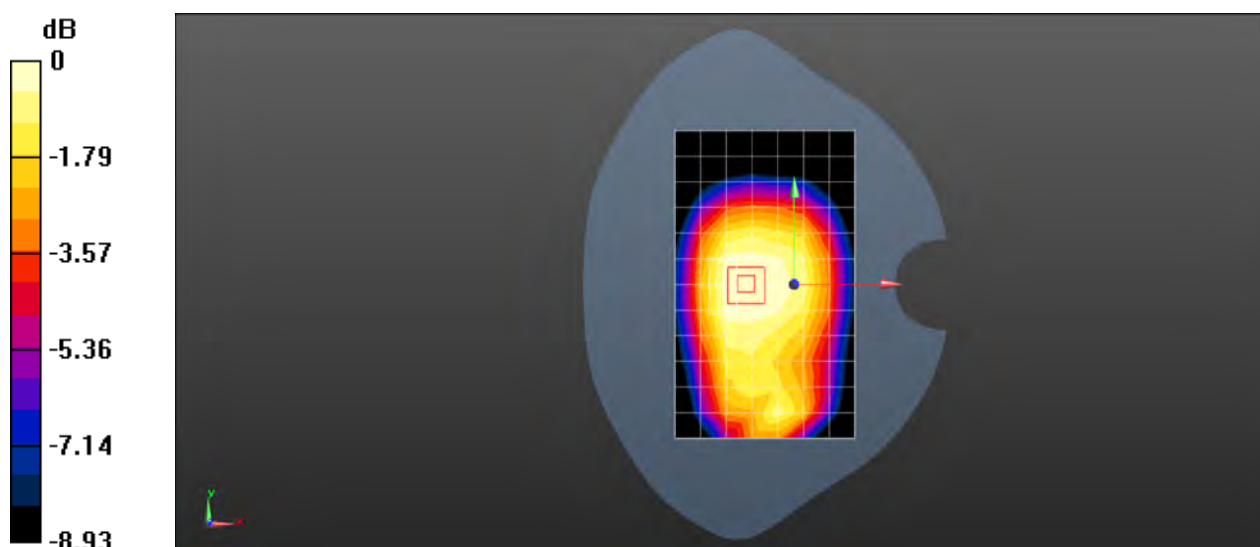
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.44 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.357 W/kg

**SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.230 W/kg**

Maximum value of SAR (measured) = 0.331 W/kg



0 dB = 0.331 W/kg = -4.80 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM1900 CH661 Right cheek with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.36$  S/m;  $\epsilon_r = 40.732$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.37, 7.37, 7.37); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.217 W/kg

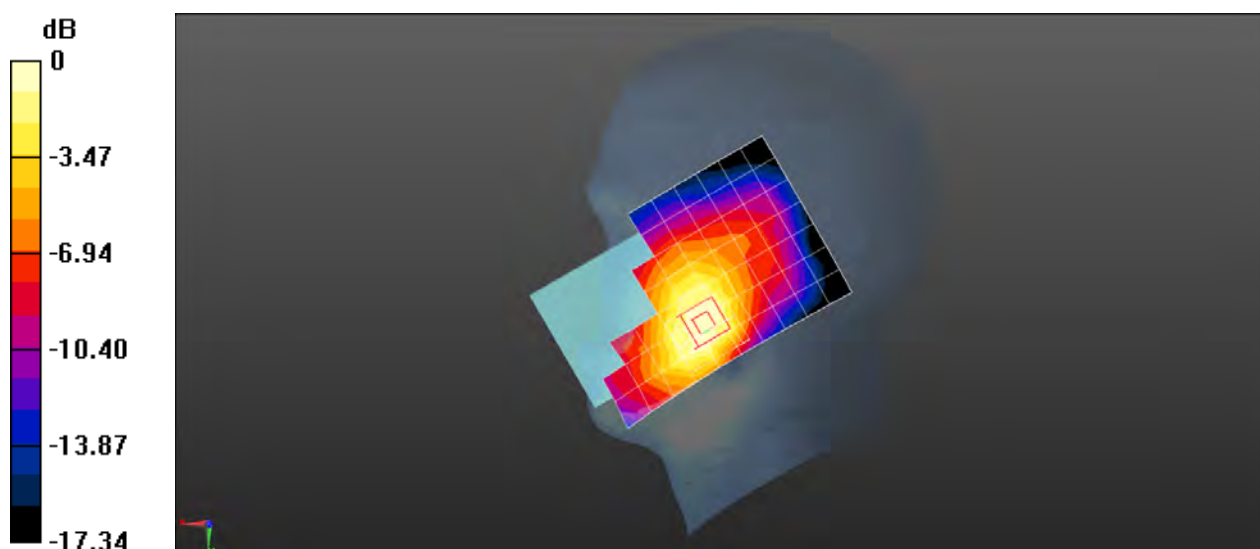
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.586 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.272 W/kg

**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.120 W/kg**

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg = -6.44 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM1900 CH661 Back side 15mm with MAS with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.199$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.345 W/kg

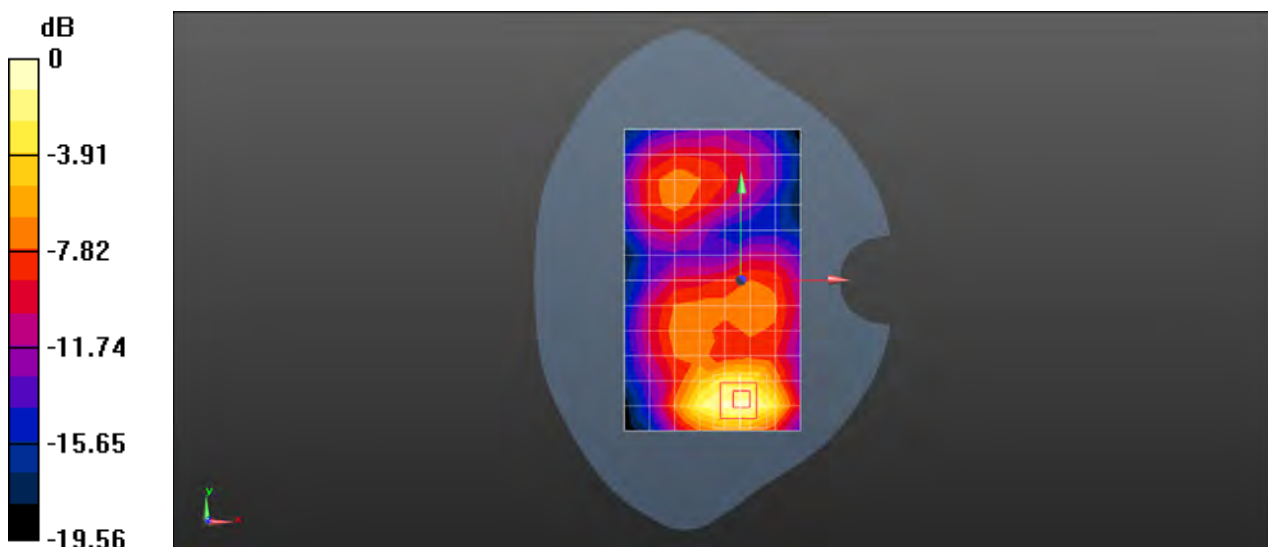
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.189 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.489 W/kg

**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.394 W/kg = -4.05 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM1900 GPRS 3TS CH661 Bottom side 10mm with MAS with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, GPRS/EGPRS Mode(3up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77013

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.199$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.835 W/kg

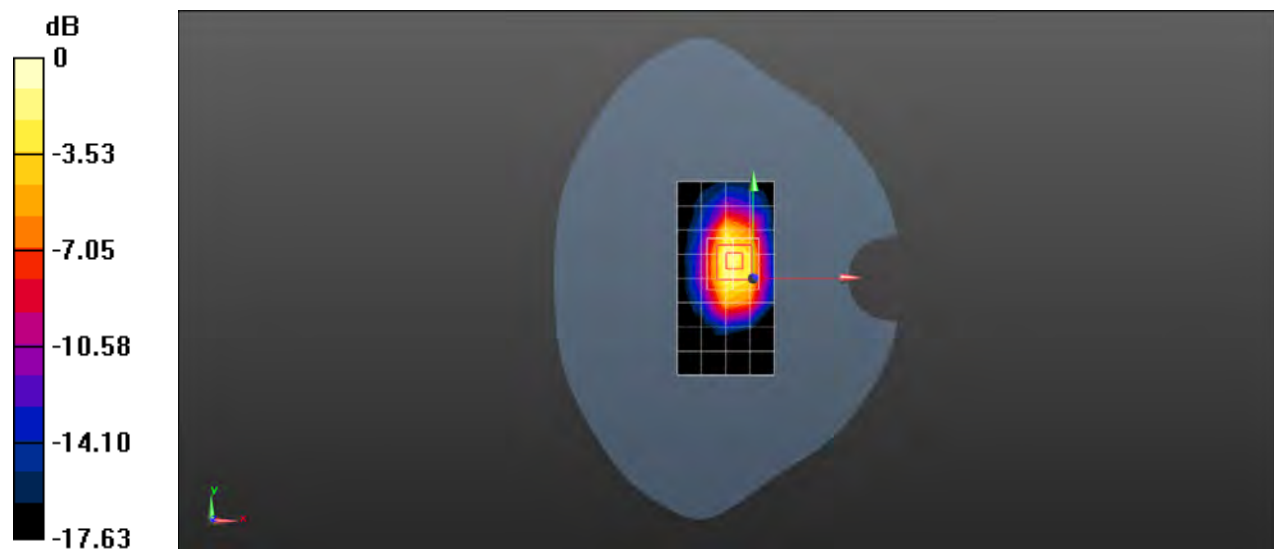
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.29 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.396 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band II RMC 9400CH Right cheek Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.36$  S/m;  $\epsilon_r = 40.732$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.37, 7.37, 7.37); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.479 W/kg

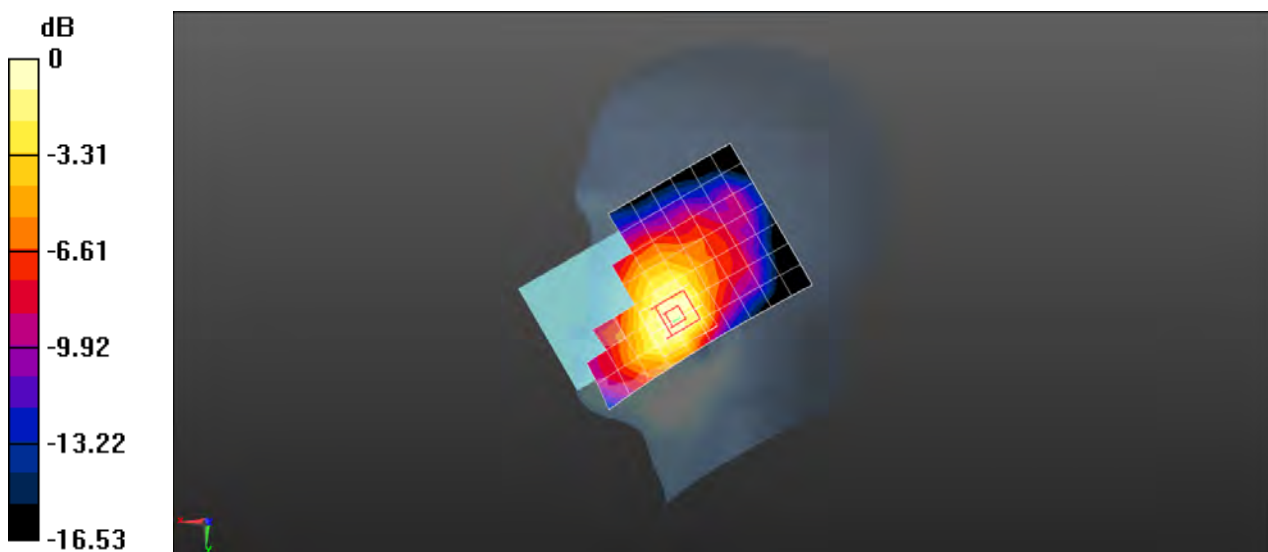
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.341 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.572 W/kg

**SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.260 W/kg**

Maximum value of SAR (measured) = 0.493 W/kg



0 dB = 0.493 W/kg = -3.07 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band II RMC 9400CH Back side 15mm with MAS condition with Battery 2# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.779 W/kg

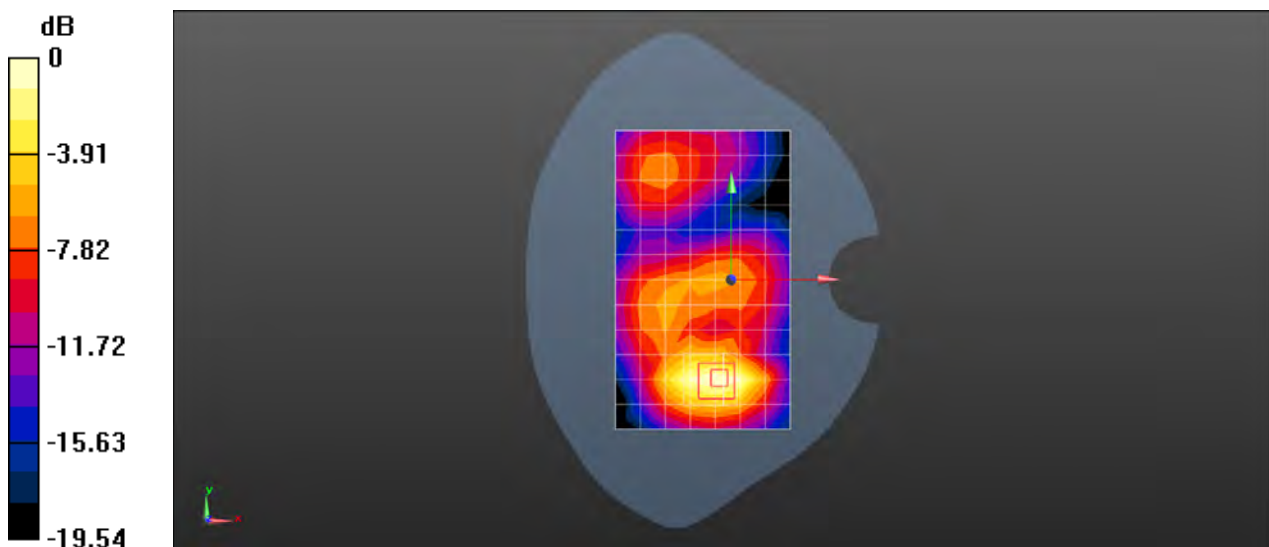
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.54 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.935 W/kg

**SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.311 W/kg**

Maximum value of SAR (measured) = 0.753 W/kg



0 dB = 0.753 W/kg = -1.23 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band II RMC 9262CH Bottom side 10mm with MAS condition with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 52.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.14 W/kg

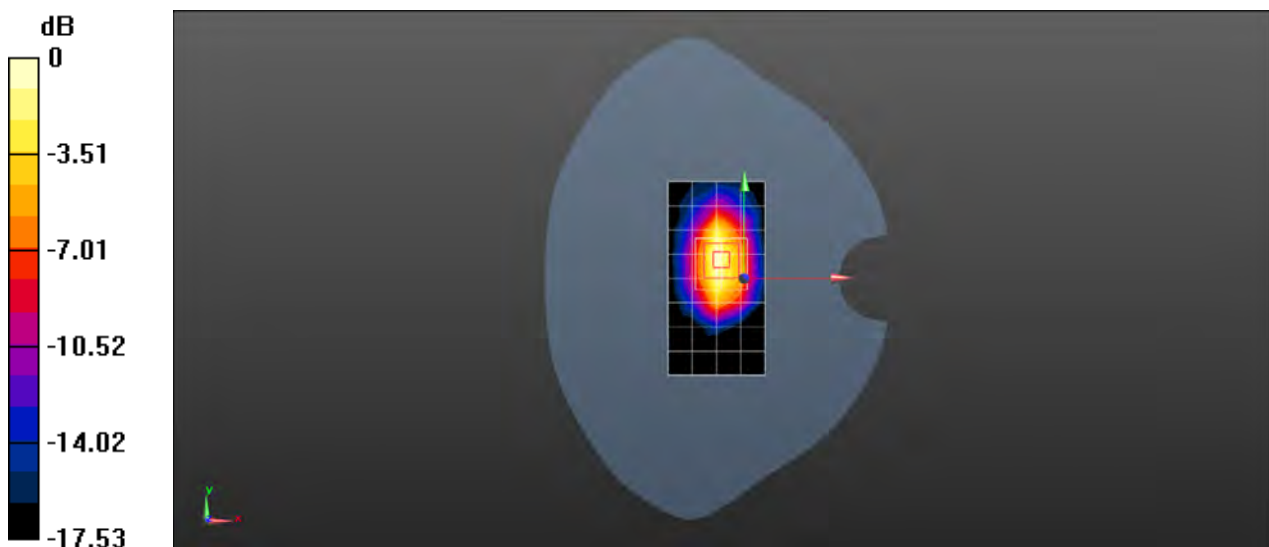
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.97 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.446 W/kg**

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band II RMC 9262CH Back side 0mm with MAS condition with sensor on with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.476$  S/m;  $\epsilon_r = 52.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 6.78 W/kg

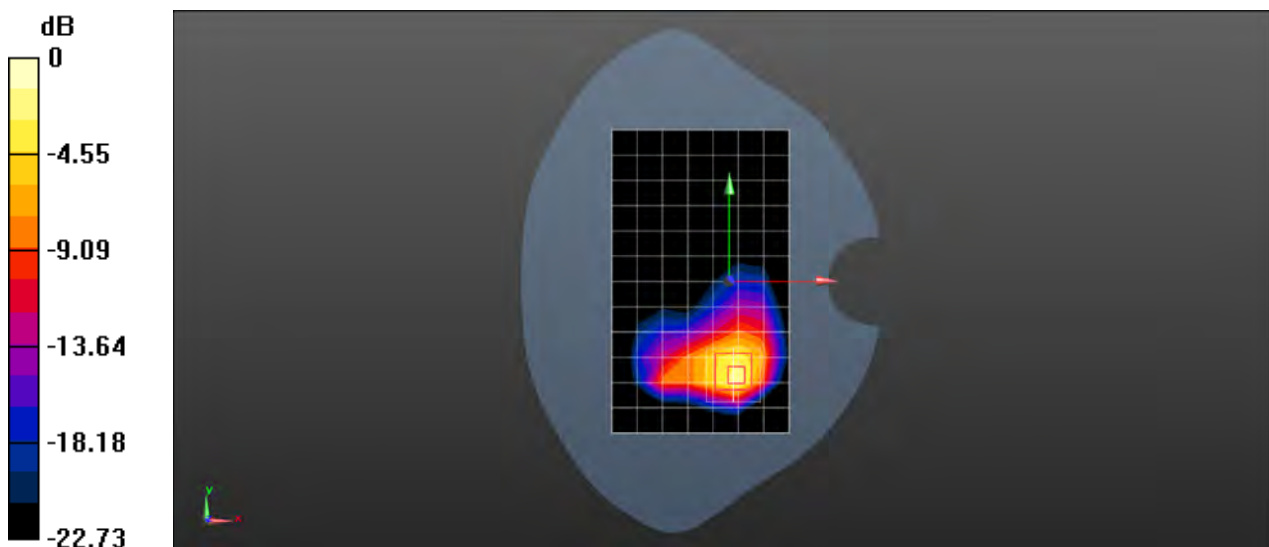
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.941 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 14.1 W/kg

**SAR(1 g) = 5.16 W/kg; SAR(10 g) = 2.21 W/kg**

Maximum value of SAR (measured) = 8.94 W/kg



0 dB = 8.94 W/kg = 9.51 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band IV RMC 1412CH Right cheek with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.32$  S/m;  $\epsilon_r = 40.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.55, 7.55, 7.55); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.551 W/kg

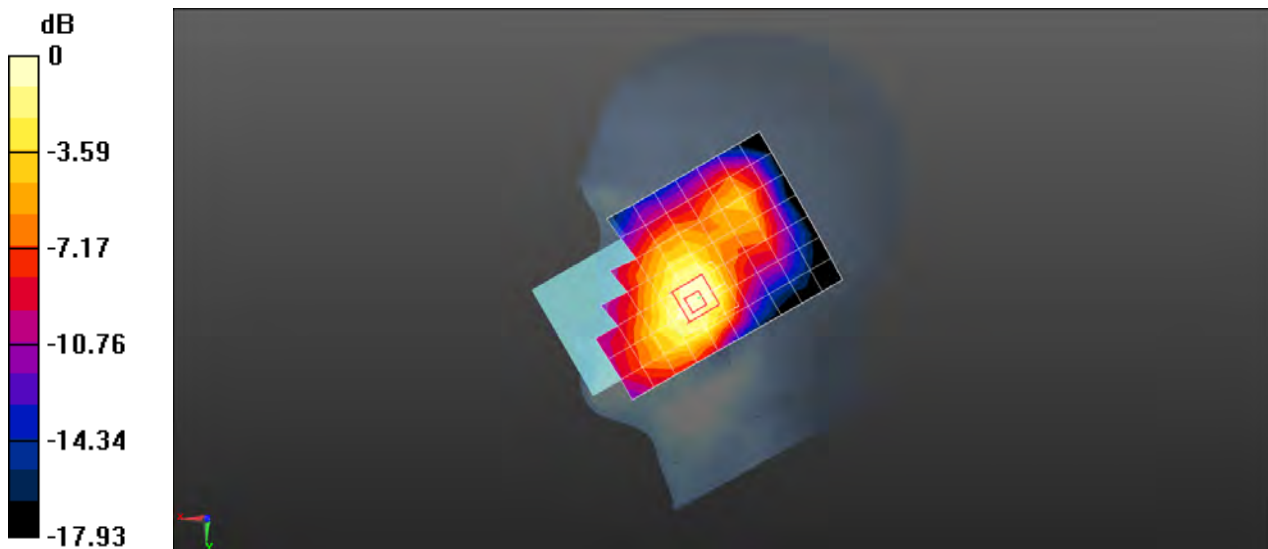
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.963 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.636 W/kg

**SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.295 W/kg**

Maximum value of SAR (measured) = 0.545 W/kg



0 dB = 0.545 W/kg = -2.64 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band IV RMC 1412CH Back side 15mm with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.491$  S/m;  $\epsilon_r = 53.592$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.41, 8.41, 8.41); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.314 W/kg

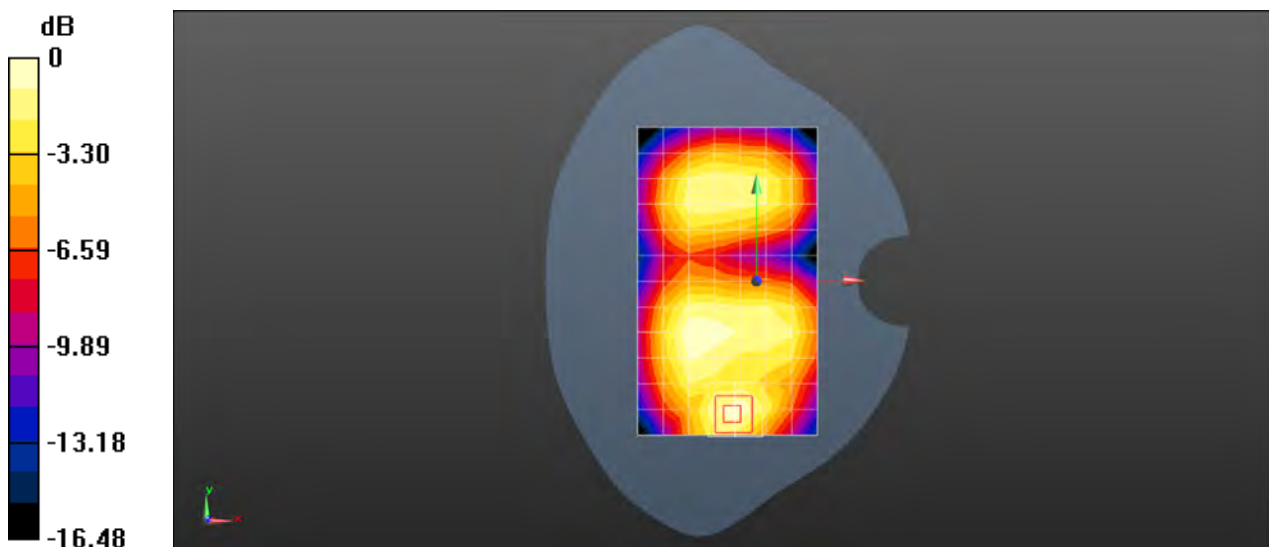
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.081 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.399 W/kg

**SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.143 W/kg**

Maximum value of SAR (measured) = 0.325 W/kg



0 dB = 0.325 W/kg = -4.88 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band IV RMC 1412CH Back side 10mm with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.491$  S/m;  $\epsilon_r = 53.592$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.41, 8.41, 8.41); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.759 W/kg

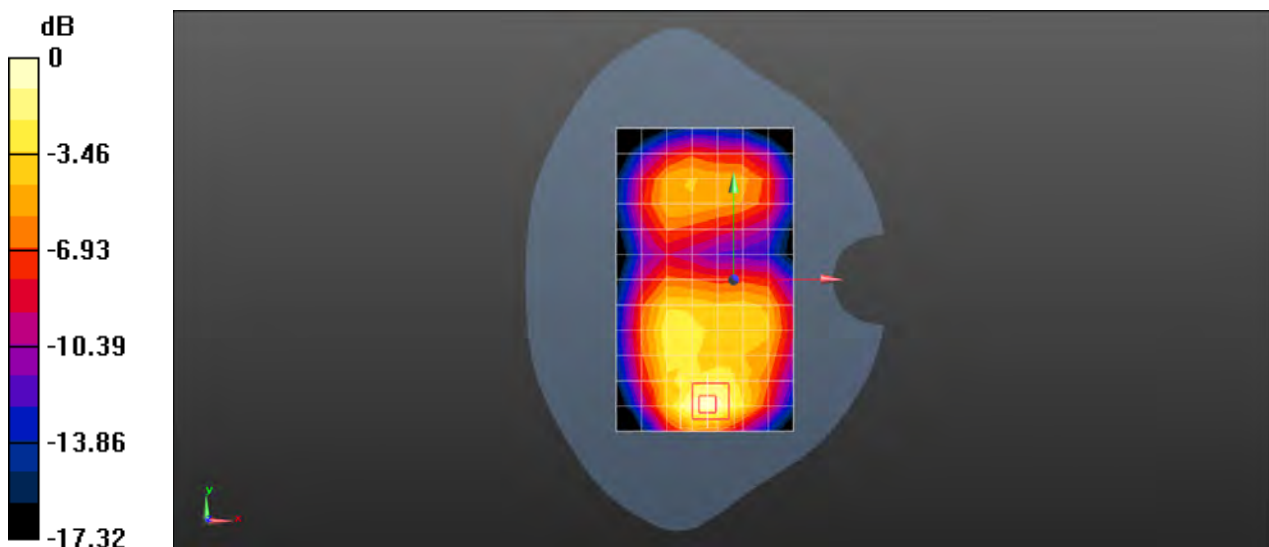
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.677 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.347 W/kg**

Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.846 W/kg = -0.73 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band V RMC 4182CH Right tilted with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.901$  S/m;  $\epsilon_r = 42.051$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.61, 8.61, 8.61); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.206 W/kg

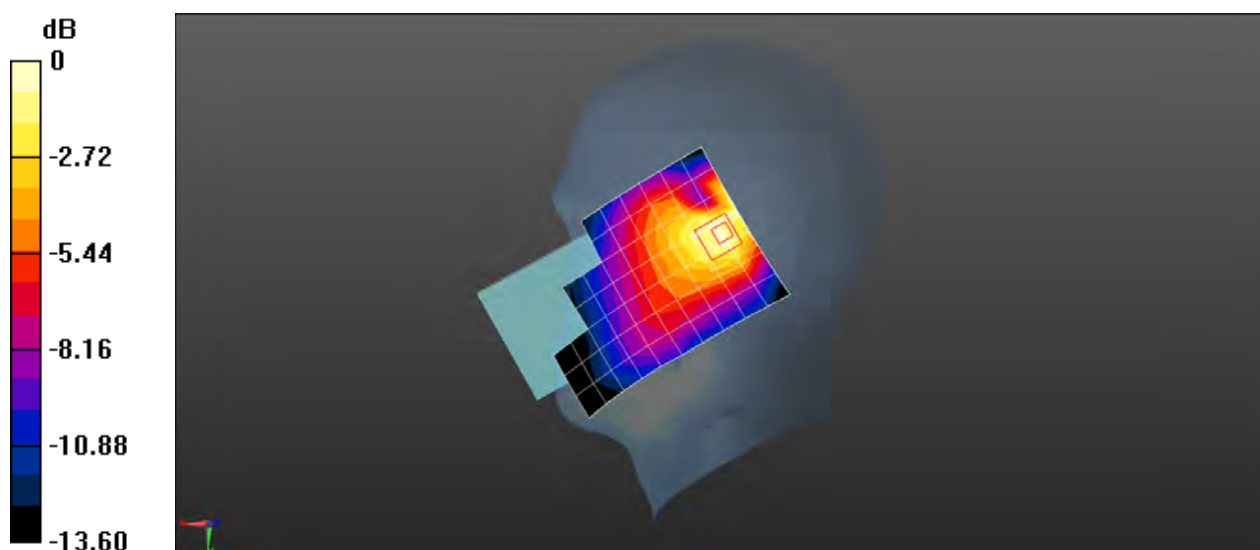
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.74 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.299 W/kg

**SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.117 W/kg**

Maximum value of SAR (measured) = 0.232 W/kg



0 dB = 0.232 W/kg = -6.35 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band V RMC 4182CH Back side 15mm with Battery 2# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r = 53.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.214 W/kg

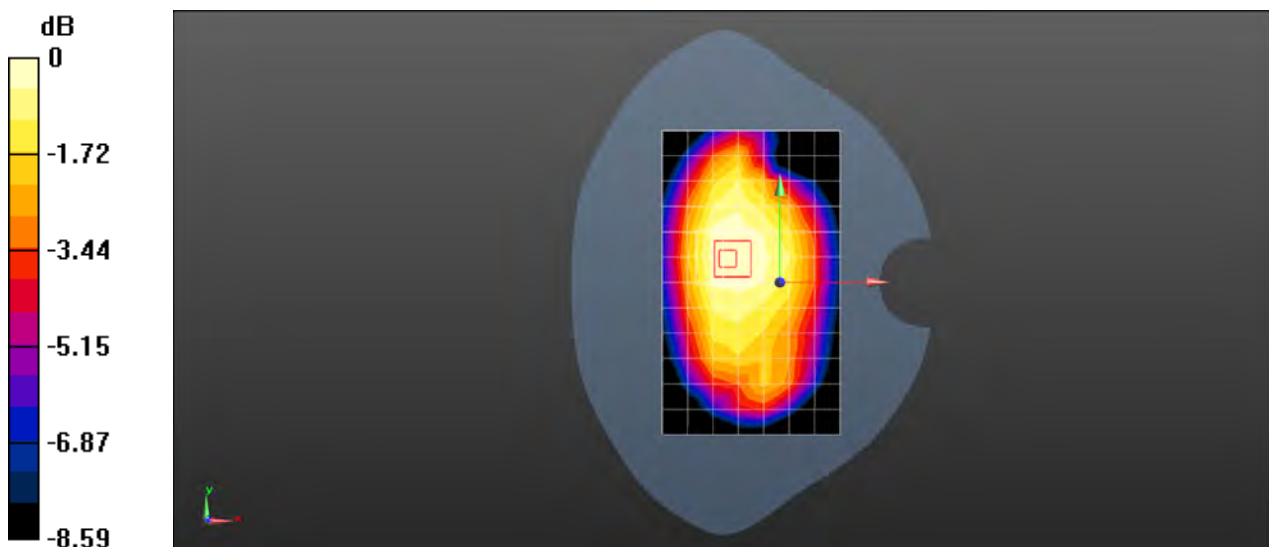
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.47 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.230 W/kg

**SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.146 W/kg**

Maximum value of SAR (measured) = 0.215 W/kg



0 dB = 0.215 W/kg = -6.68 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band V RMC 4182CH Right side 10mm with Battery 2# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r = 53.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.335 W/kg

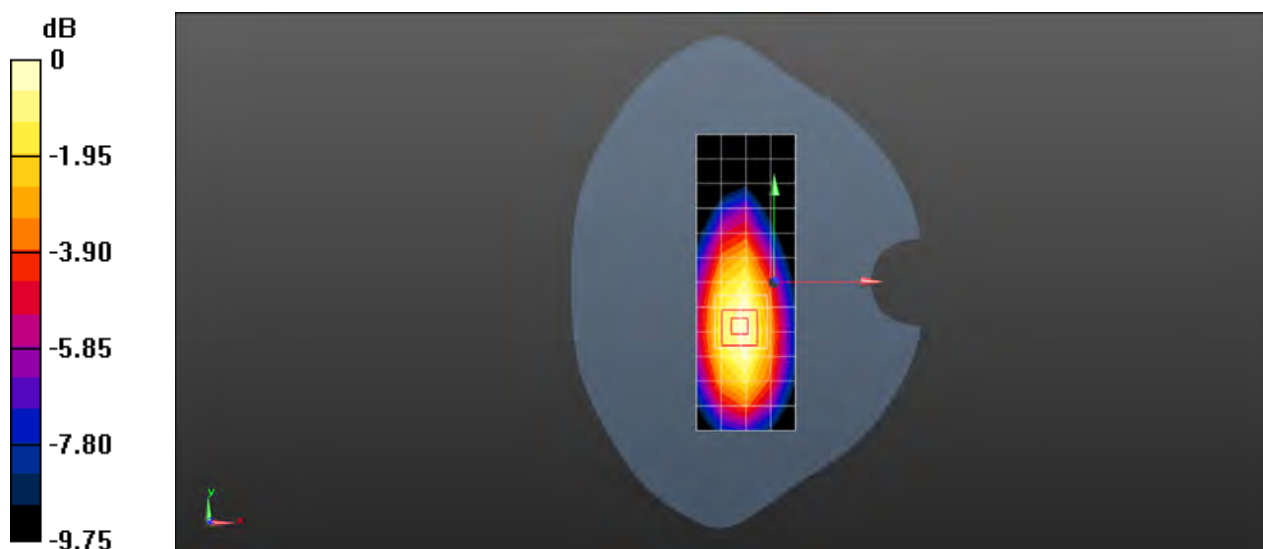
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.26 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.379 W/kg

**SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.191 W/kg**

Maximum value of SAR (measured) = 0.337 W/kg



0 dB = 0.337 W/kg = -4.72 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 2 20MHz bandwidth QPSK 1RB0 Offset 19100CH Right cheek with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.389$  S/m;  $\epsilon_r = 40.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.37, 7.37, 7.37); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.502 W/kg

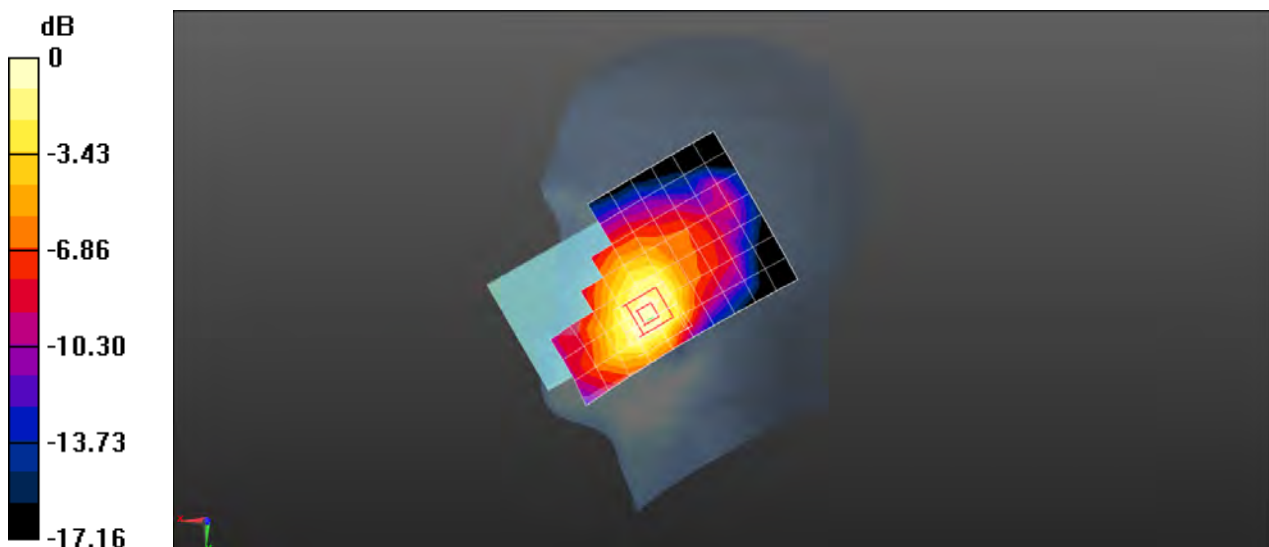
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.363 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.606 W/kg

**SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.520 W/kg = -2.84 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 2 20MHz bandwidth QPSK 50RB0 Offset 19100CH Back side 15mm with MAS with Battery 3# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.19$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.416 W/kg

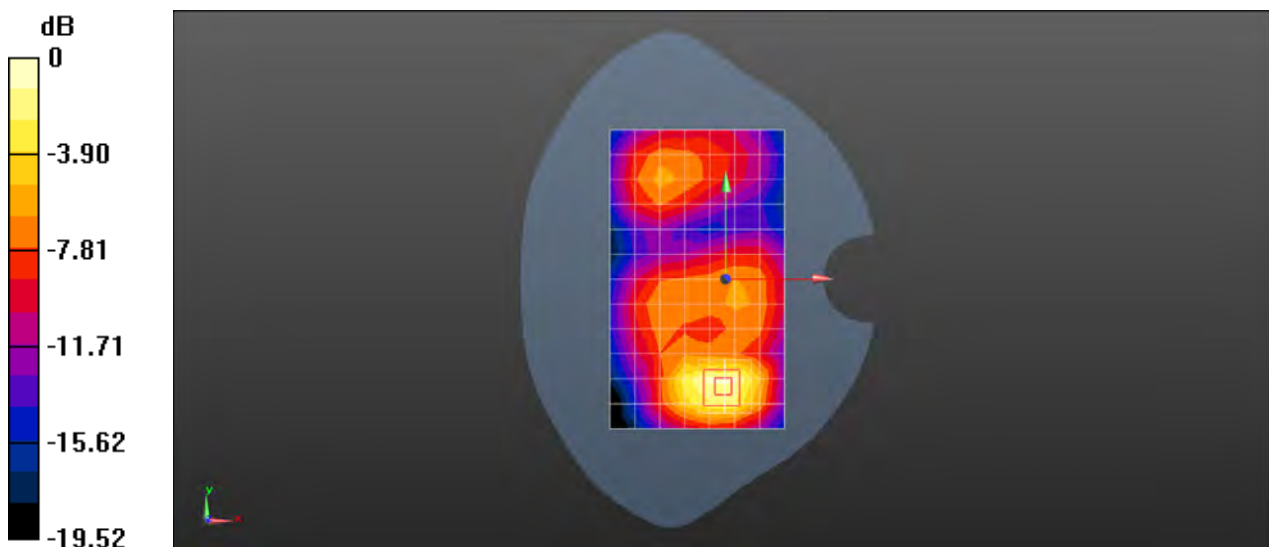
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.275 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.628 W/kg

**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.509 W/kg



0 dB = 0.509 W/kg = -2.93 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 2 20MHz bandwidth QPSK 50RB0 Offset 19100CH  
Bottom side 10mm with MAS Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.19$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.988 W/kg

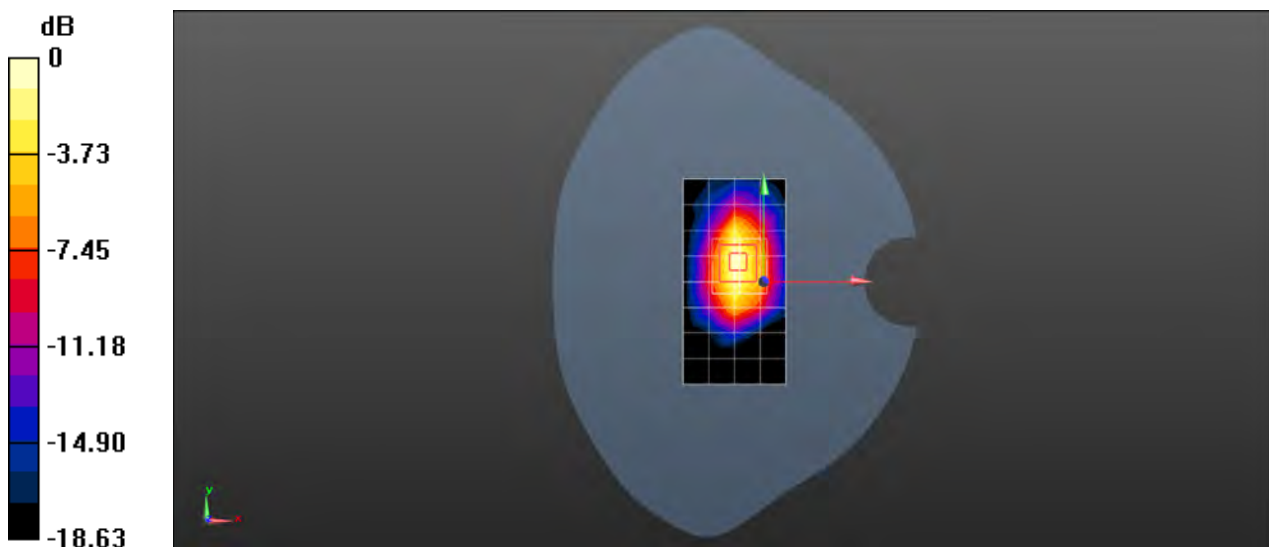
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.98 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.384 W/kg**

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 4 20MHz bandwidth QPSK 1RB0 Offset 20300CH Right cheek with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 40.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.55, 7.55, 7.55); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.613 W/kg

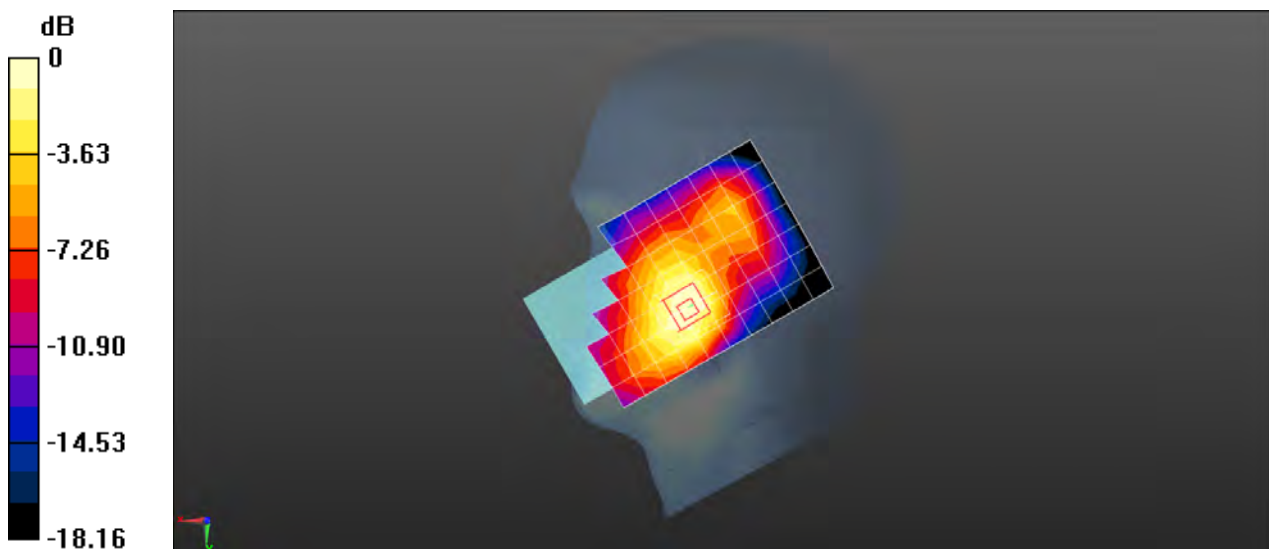
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.391 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.693 W/kg

**SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.320 W/kg**

Maximum value of SAR (measured) = 0.591 W/kg



0 dB = 0.591 W/kg = -2.28 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 4 20MHz bandwidth QPSK 1RB0 Offset 20300CH Back side 15mm with Battery 2# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium: MSL1750;Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.41, 8.41, 8.41); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.370 W/kg

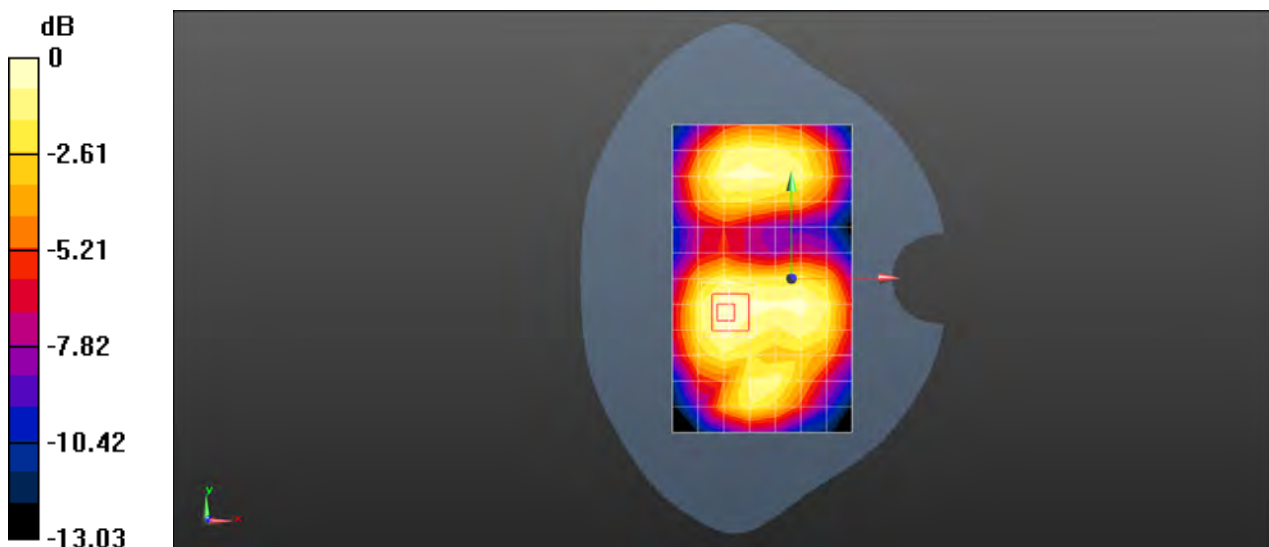
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.28 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.439 W/kg

**SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.196 W/kg**

Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.375 W/kg = -4.26 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 4 20MHz bandwidth QPSK 1RB0 Offset 20300CH Back side 10mm with Battery 3# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium: MSL1750;Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.41, 8.41, 8.41); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.865 W/kg

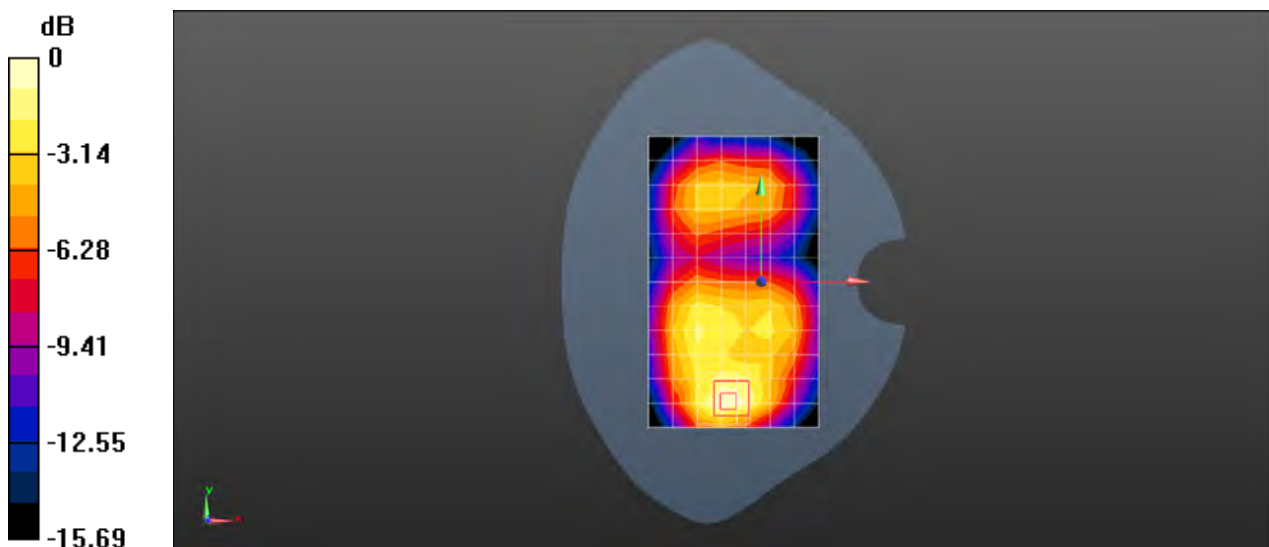
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.64 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.363 W/kg**

Maximum value of SAR (measured) = 0.822 W/kg



0 dB = 0.822 W/kg = -0.85 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 5 10MHz bandwidth QPSK 1RB25 Offset 20600CH Right cheek with Battery 2# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 42.546$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.61, 8.61, 8.61); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.262 W/kg

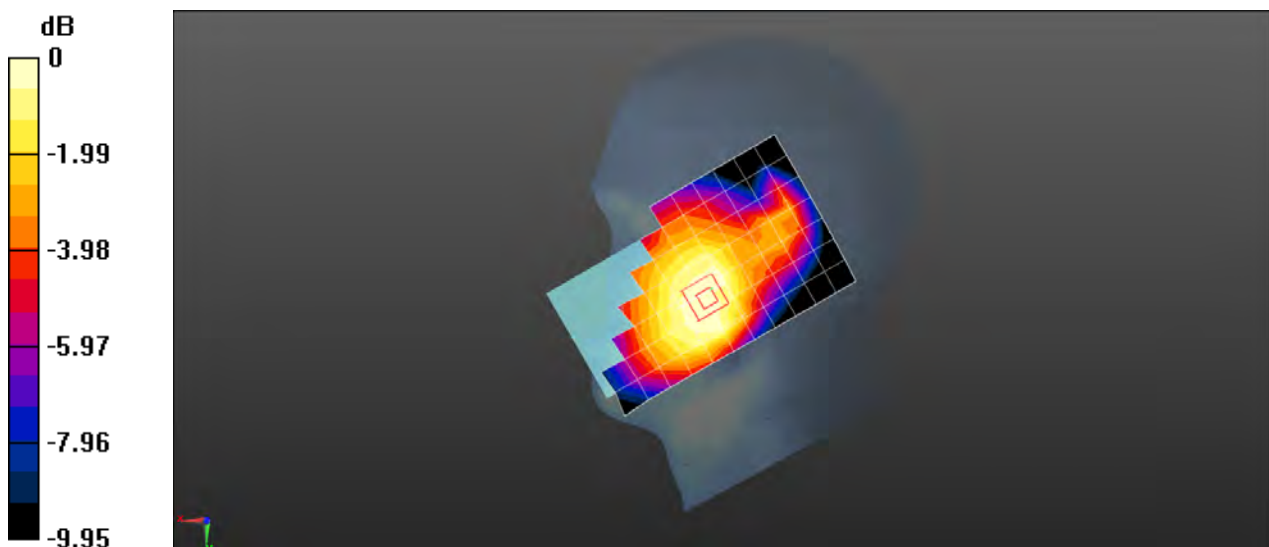
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.58 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.291 W/kg

**SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.179 W/kg**

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 0.262 W/kg = -5.82 dBW/kg



Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 5 10MHz bandwidth QPSK 1RB25 Offset 20600CH Back side 15mm with Battery 2# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz;Duty Cycle: 1:1

Medium: MSL835;Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.294 W/kg

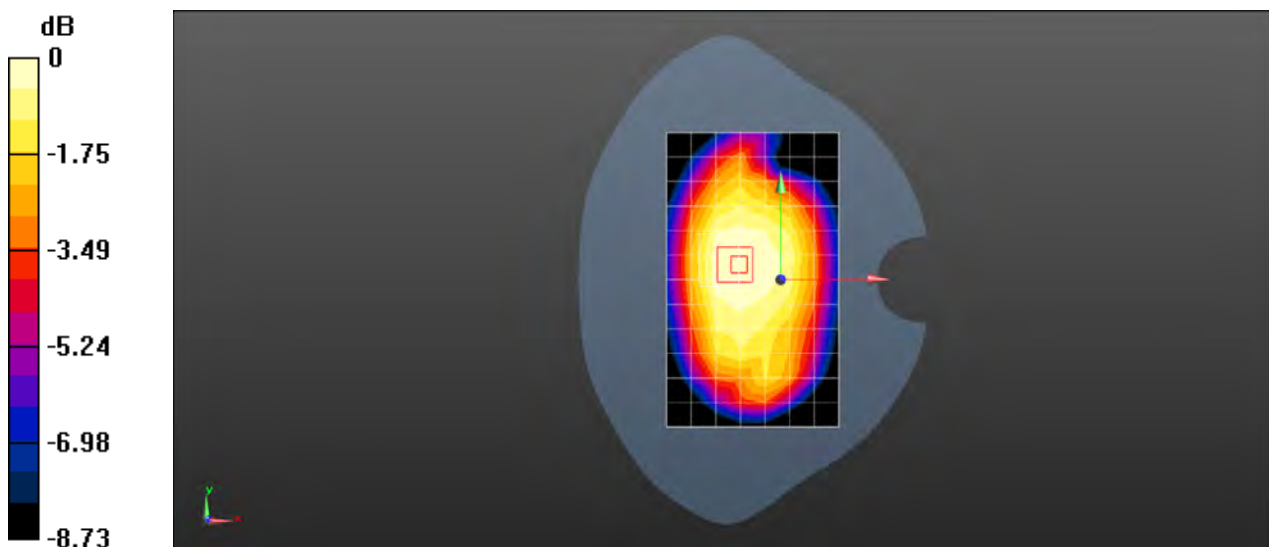
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.23 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.312 W/kg

**SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.290 W/kg



0 dB = 0.290 W/kg = -5.38 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 5 10MHz bandwidth QPSK 1RB25 Offset 20600CH Right side 10mm with Battery 2# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz;Duty Cycle: 1:1

Medium: MSL835;Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.436 W/kg

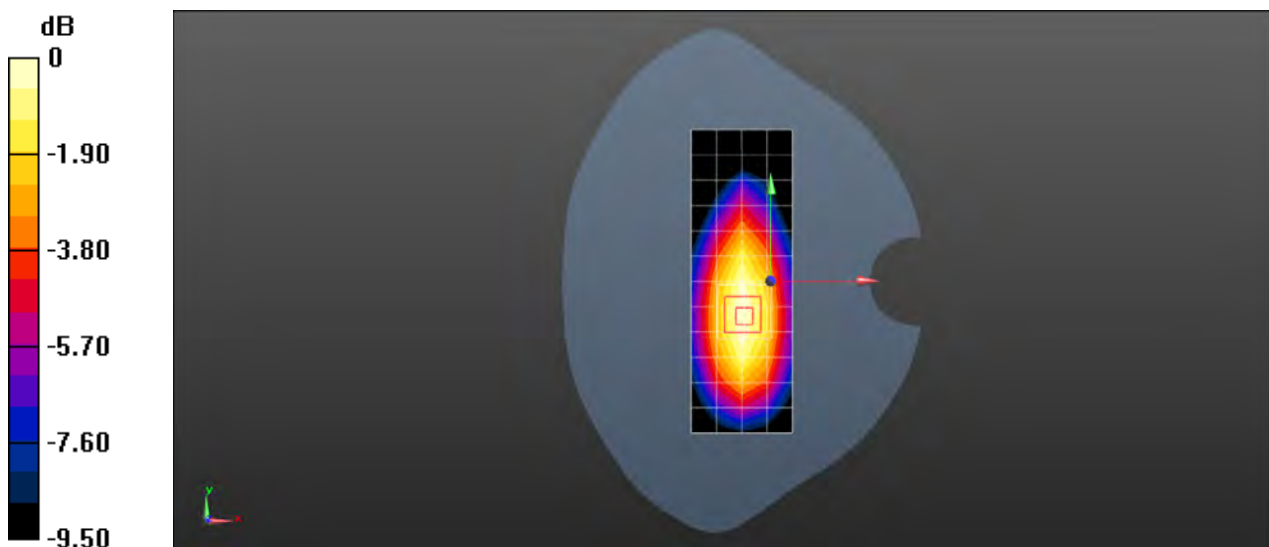
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.49 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.477 W/kg

**SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.244 W/kg**

Maximum value of SAR (measured) = 0.425 W/kg



0 dB = 0.425 W/kg = -3.72 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 7 20MHz bandwidth QPSK 1RB99 Offset 21100CH Left cheek with Battery 2# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium: HSL2600;Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.899$  S/m;  $\epsilon_r = 37.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.7, 6.7, 6.7); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.343 W/kg

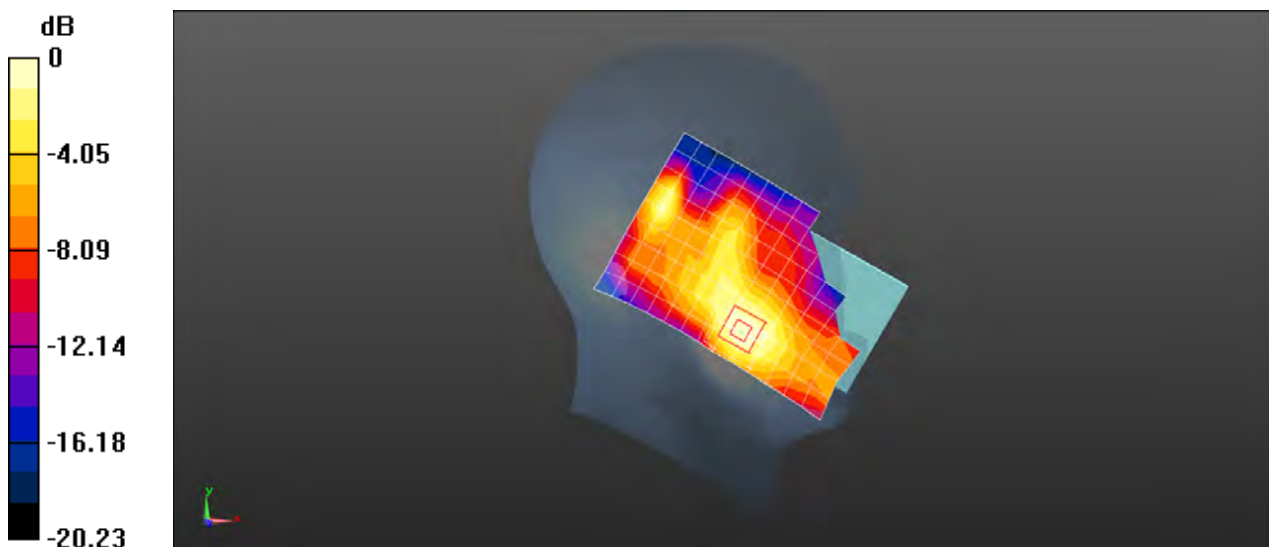
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.086 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.505 W/kg

**SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.157 W/kg**

Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.394 W/kg = -4.05 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 7 20MHz bandwidth QPSK 1RB99 Offset 21100CH Back side 15mm with MAS condition with Battery 2# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL2600; Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.058$  S/m;  $\epsilon_r = 53.507$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.26, 7.26, 7.26); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.421 W/kg

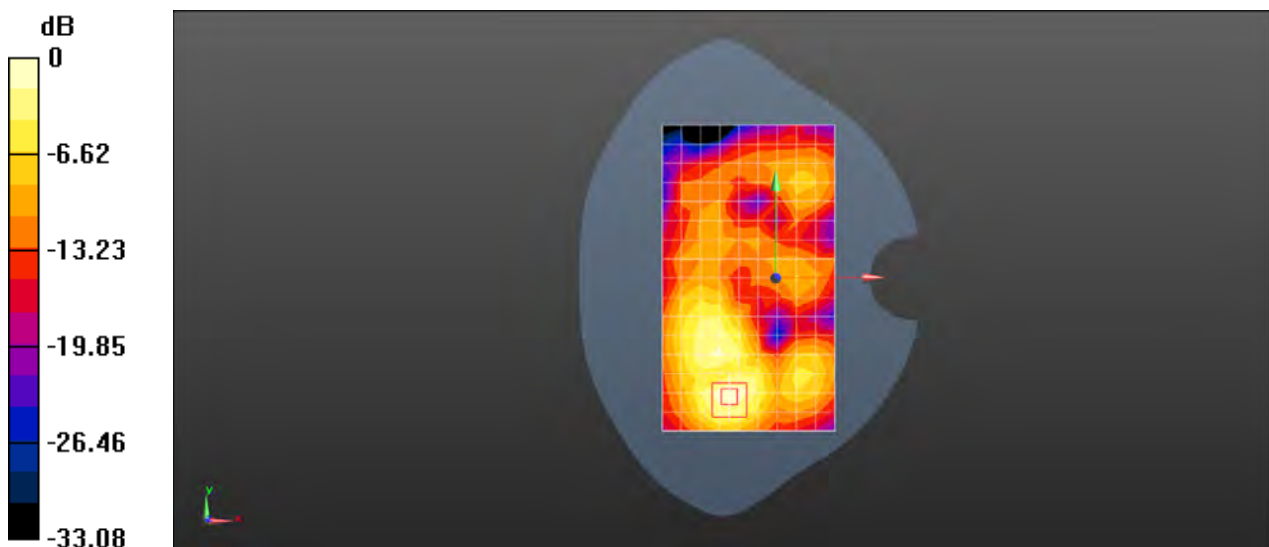
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.968 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.630 W/kg

**SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.153 W/kg**

Maximum value of SAR (measured) = 0.495 W/kg



0 dB = 0.495 W/kg = -3.05 dBW/kg

Test Laboratory: SGS-SAR Lab

### RNE-L23 LTE Band 7 20MHz bandwidth QPSK 1RB99 Offset 21100CH Back side 10mm with MAS condition with Battery 2# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL2600; Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.058$  S/m;  $\epsilon_r = 53.507$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.26, 7.26, 7.26); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 1.25 W/kg

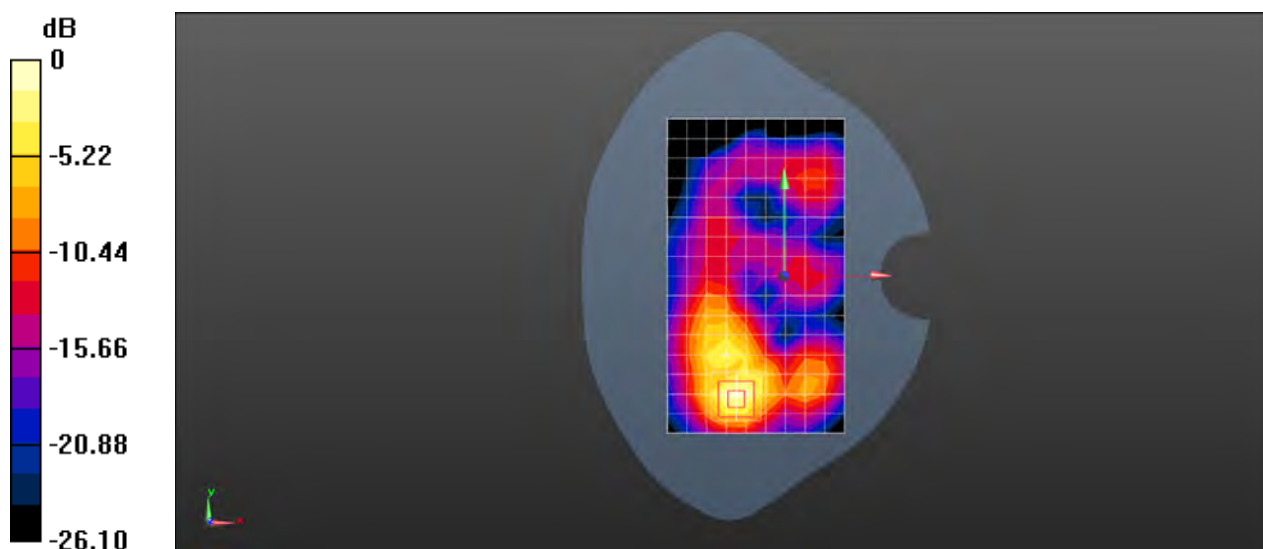
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.699 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.05 W/kg

**SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.403 W/kg**

Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 12 10MHz bandwidth QPSK 1RB25 Offset 23130CH Right cheek with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.878$  S/m;  $\epsilon_r = 42.185$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.89, 8.89, 8.89); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.201 W/kg

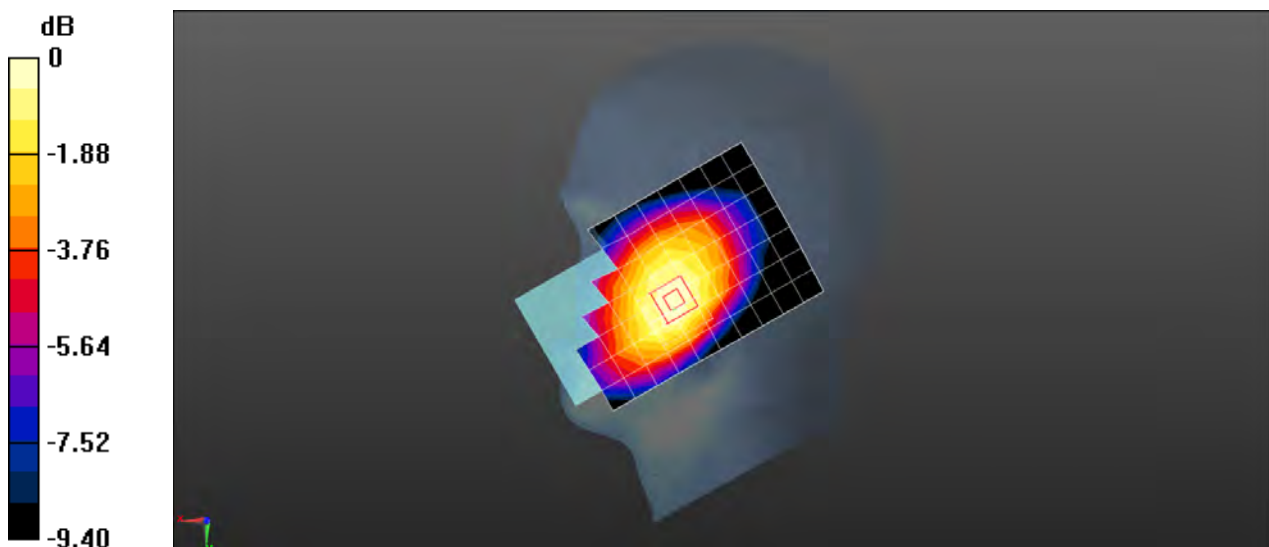
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.524 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.145 W/kg**

Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg = -6.86 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 12 10MHz bandwidth QPSK 1RB25 Offset 23130CH Back side 15mm with Battery 3# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 56.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(10.08, 10.08, 10.08); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.281 W/kg

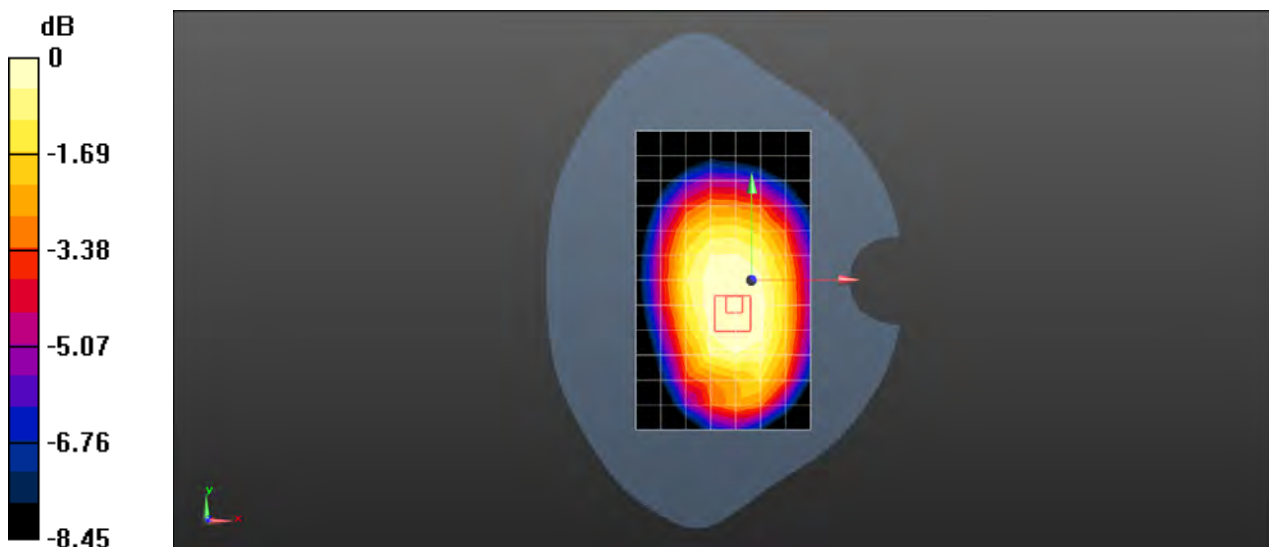
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.55 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.293 W/kg

**SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.199 W/kg**

Maximum value of SAR (measured) = 0.276 W/kg



0 dB = 0.276 W/kg = -5.59 dBW/kg



Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 12 10MHz bandwidth QPSK 1RB25 Offset 23130CH Right side 10mm with Battery 3# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 56.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(10.08, 10.08, 10.08); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.358 W/kg

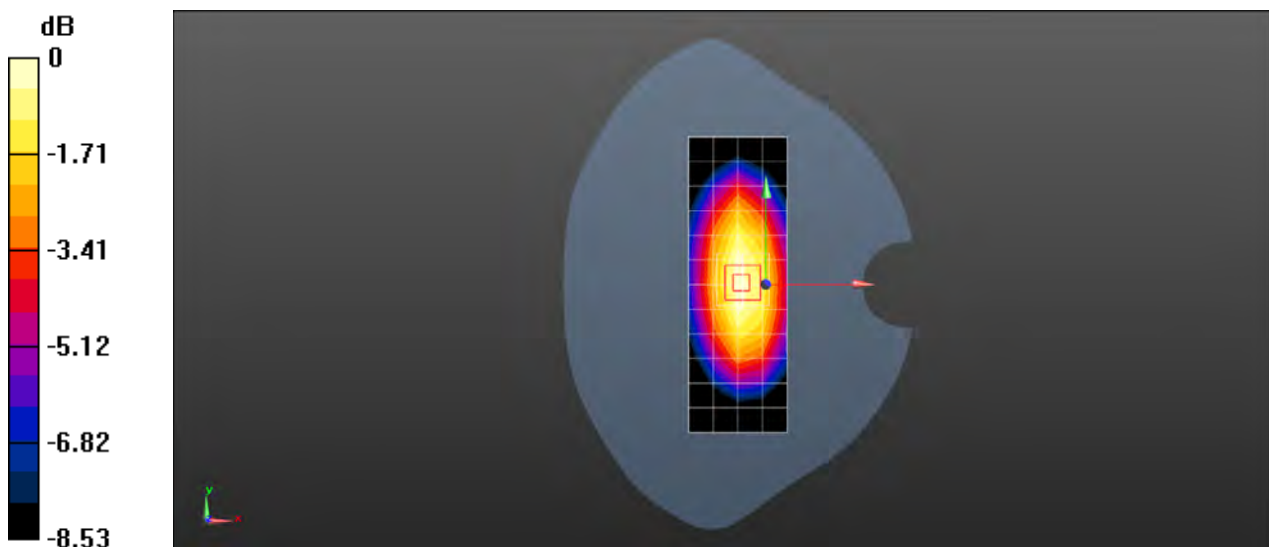
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.48 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.414 W/kg

**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.219 W/kg**

Maximum value of SAR (measured) = 0.370 W/kg



0 dB = 0.370 W/kg = -4.32 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 17 10MHz bandwidth QPSK 1RB25 Offset 23790CH Right cheek with Battery 3# Ant 1

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.871$  S/m;  $\epsilon_r = 42.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.89, 8.89, 8.89); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.188 W/kg

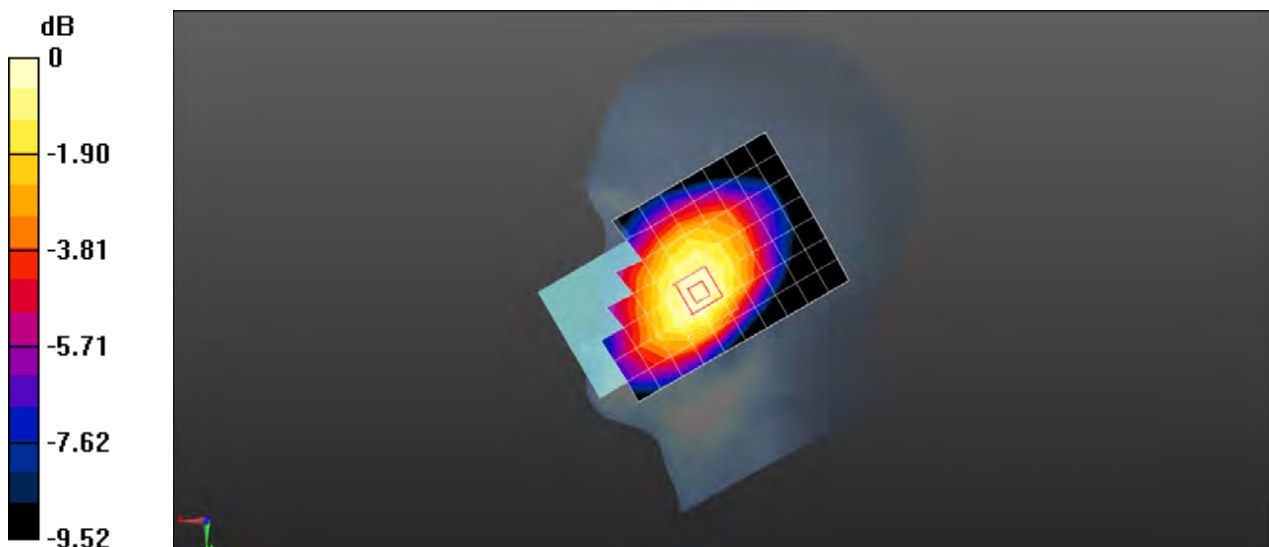
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.243 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.135 W/kg**

Maximum value of SAR (measured) = 0.192 W/kg



0 dB = 0.192 W/kg = -7.17 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 17 10MHz bandwidth QPSK 1RB25 Offset 23790CH Back side 15mm with Battery 3# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.95$  S/m;  $\epsilon_r = 56.604$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(10.08, 10.08, 10.08); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.267 W/kg

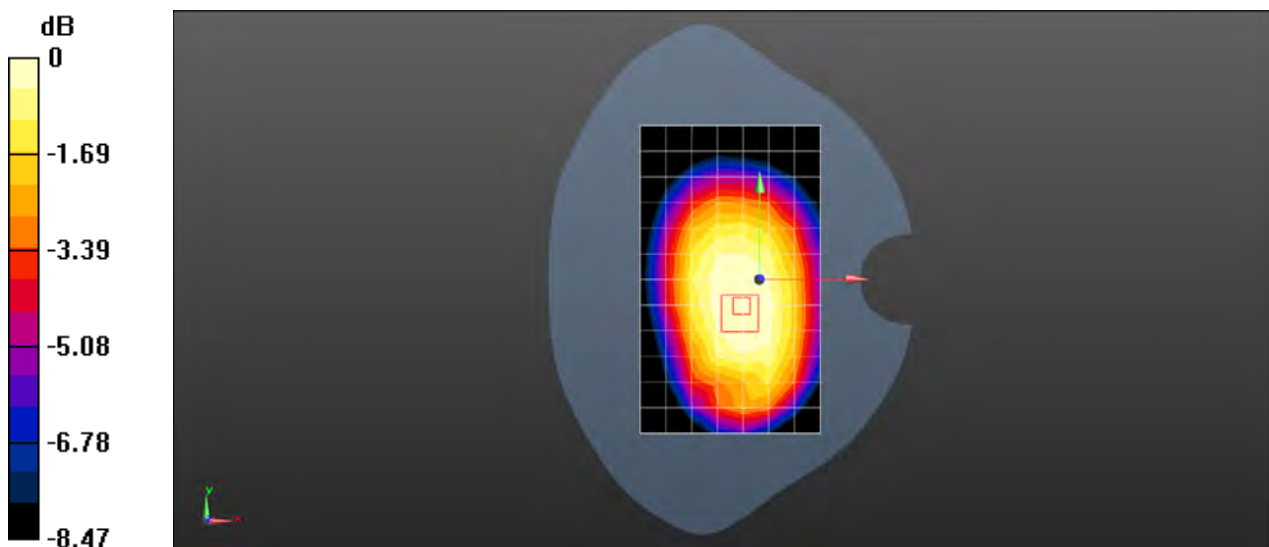
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.94 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.282 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.190 W/kg**

Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg = -5.77 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 17 10MHz bandwidth QPSK 1RB25 Offset 23790CH Right side 10mm with Battery 3# Ant 1**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.95$  S/m;  $\epsilon_r = 56.604$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(10.08, 10.08, 10.08); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.347 W/kg

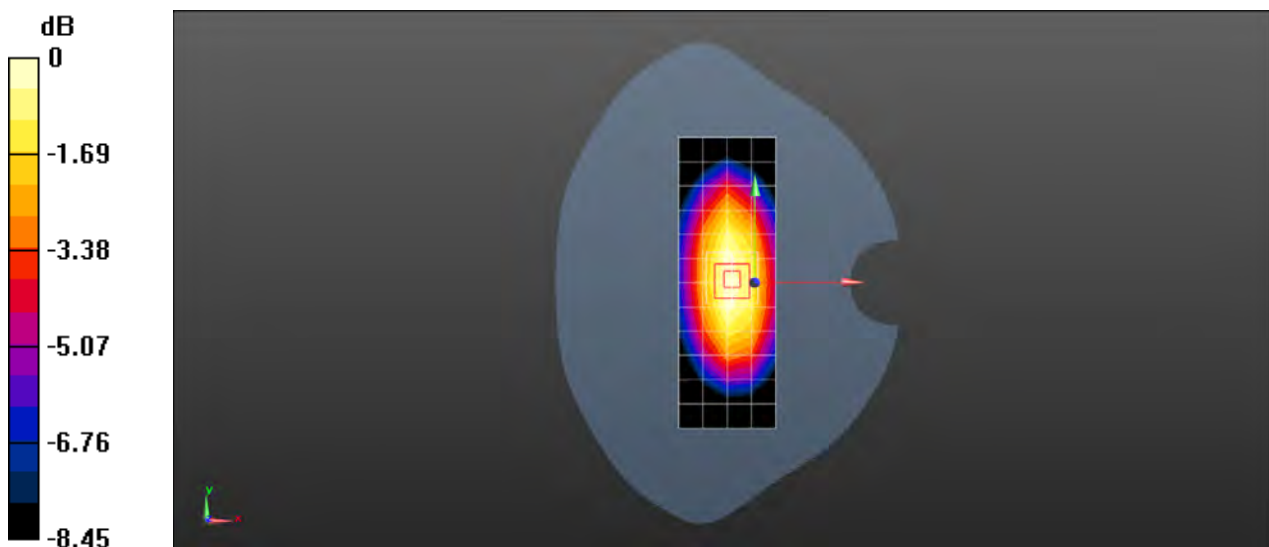
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.03 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.209 W/kg**

Maximum value of SAR (measured) = 0.351 W/kg



0 dB = 0.351 W/kg = -4.55 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM850 190CH Right cheek with Battery 2# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: HSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.897$  S/m;  $\epsilon_r = 41.911$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.61, 8.61, 8.61); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.11 W/kg

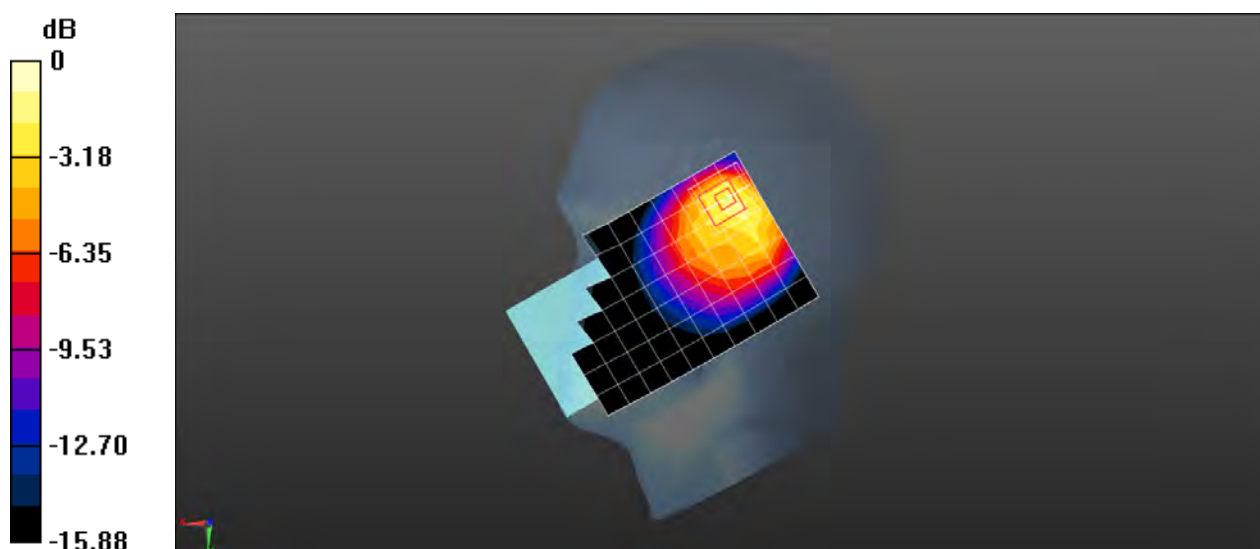
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.71 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.466 W/kg**

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM850 GPRS 3TS 190CH Back side 15mm with Battery 2# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, GPRS/EGPRS Mode(3up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77013

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.999$  S/m;  $\epsilon_r = 56.313$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.413 W/kg

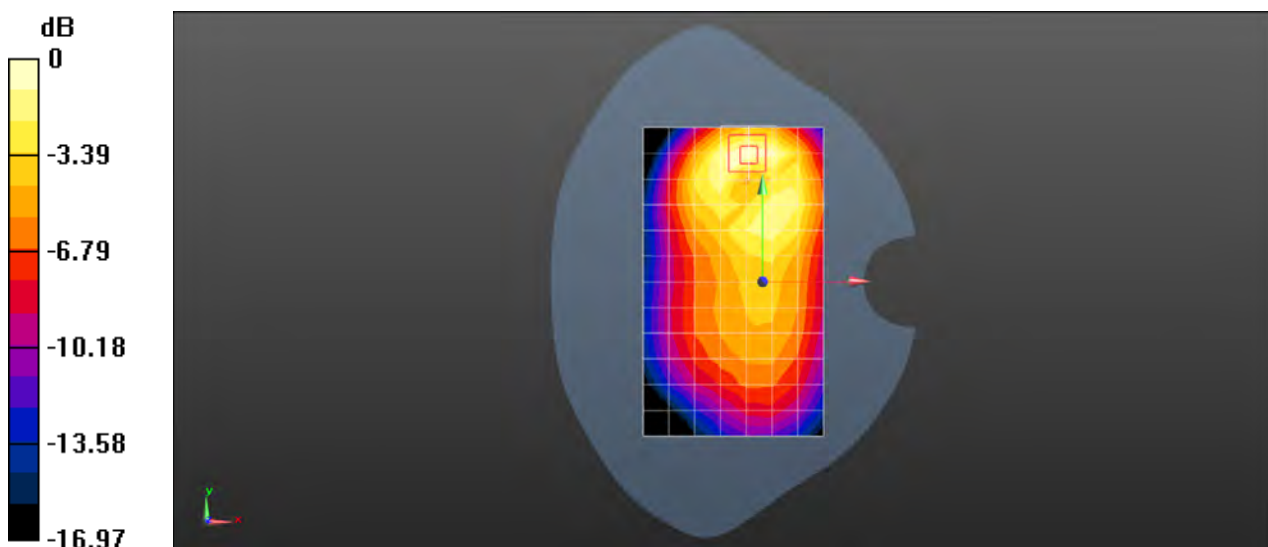
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.69 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.506 W/kg

**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.182 W/kg**

Maximum value of SAR (measured) = 0.414 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM850 GPRS 3TS 190CH Back side 10mm with Battery 2# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, GPRS/EGPRS Mode(3up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77013

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.999$  S/m;  $\epsilon_r = 56.313$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.620 W/kg

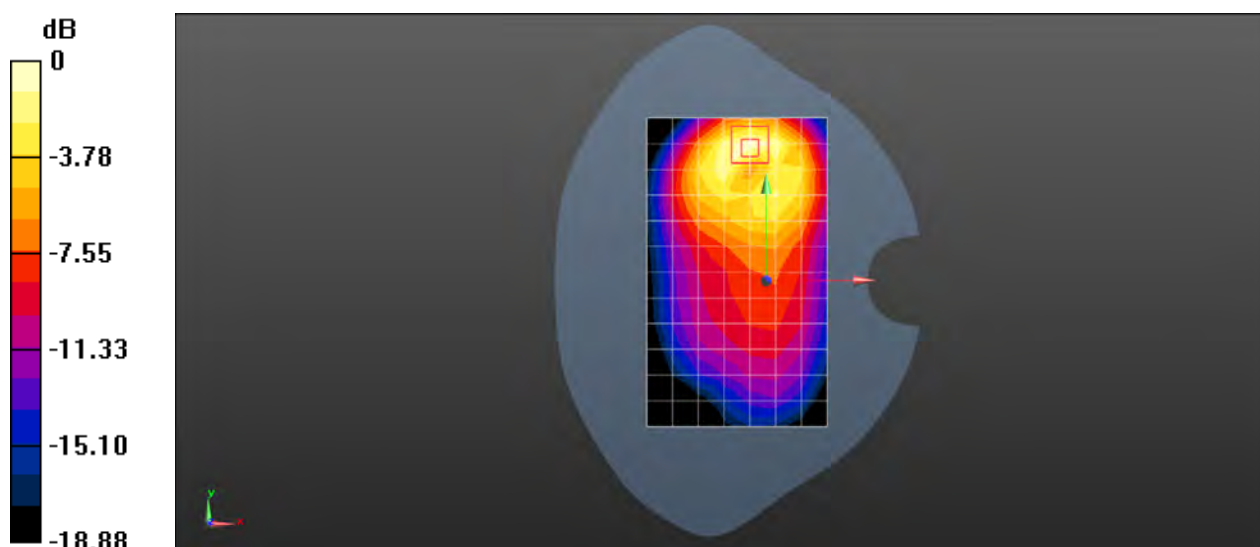
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.342 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.863 W/kg

**SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.272 W/kg**

Maximum value of SAR (measured) = 0.660 W/kg



0 dB = 0.660 W/kg = -1.80 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM1900 CH512 Right cheek with Battery 2# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium: HSL1900; Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.353$  S/m;  $\epsilon_r = 40.778$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.37, 7.37, 7.37); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.28 W/kg

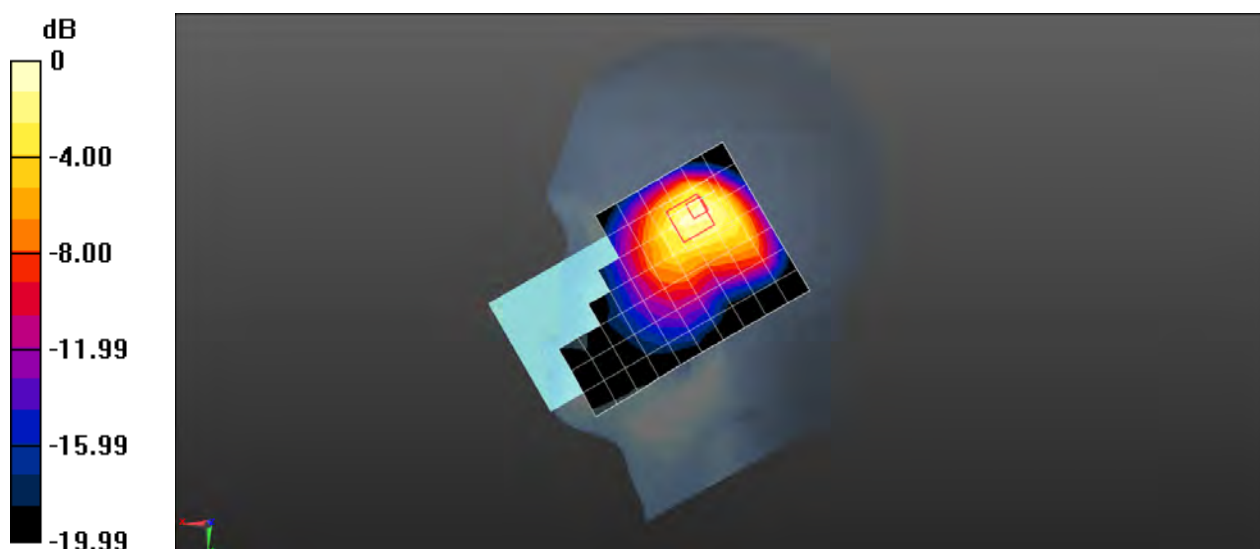
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.42 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.25 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.579 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM1900 GPRS 3TS CH661 Back side 15mm with Battery 2# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, GPRS/EGPRS Mode(3up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77013

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.199$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.236 W/kg

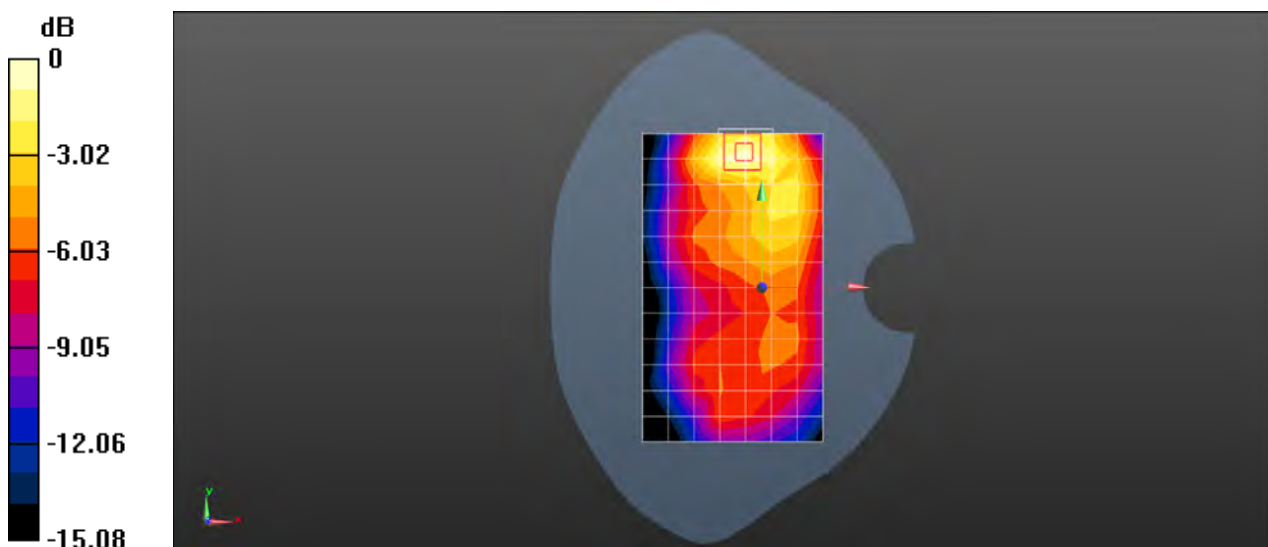
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.424 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 GSM1900 GPRS 3TS CH661 Top side 10mm with Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, GPRS/EGPRS Mode(3up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77013

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.199$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.390 W/kg

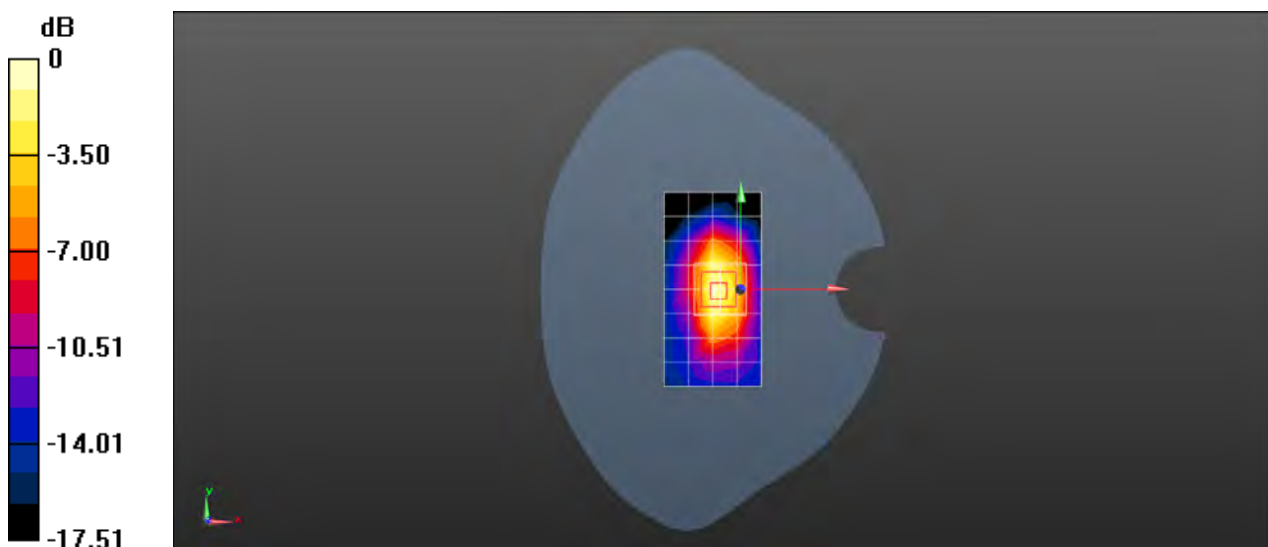
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.73 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.540 W/kg

**SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.168 W/kg**

Maximum value of SAR (measured) = 0.435 W/kg



0 dB = 0.435 W/kg = -3.62 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band II RMC 9262CH Right cheek with Battery 2# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 40.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.37, 7.37, 7.37); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.01 W/kg

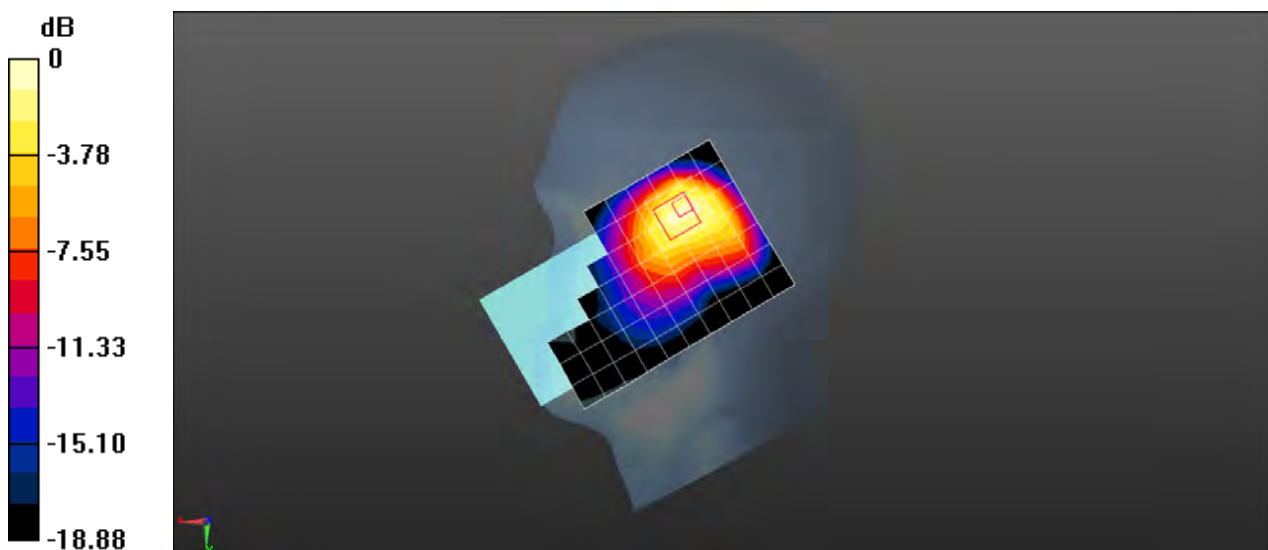
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.64 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.465 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band II RMC 9400CH Back side 15mm with Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.356 W/kg

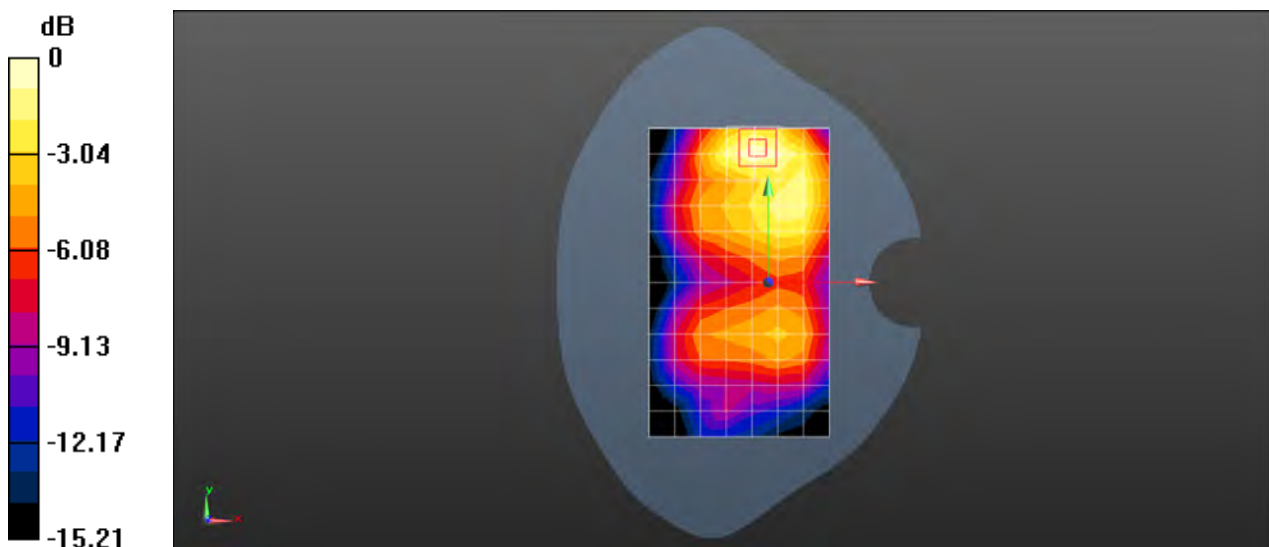
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.872 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.462 W/kg

**SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 0.360 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band II RMC 9400CH Top side 10mm with Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.274 W/kg

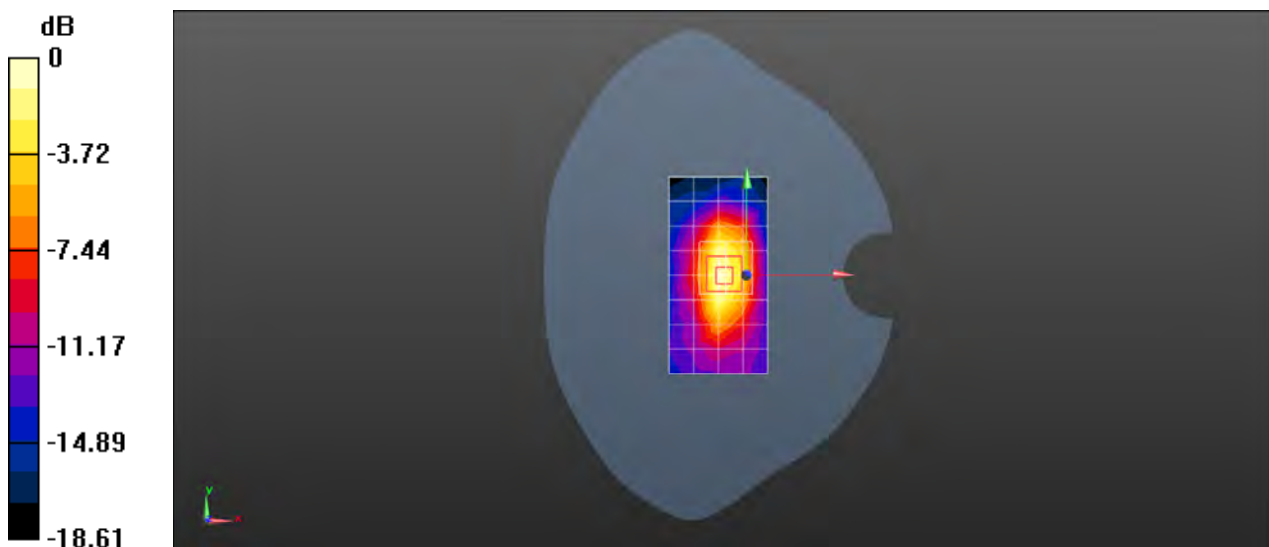
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.16 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.372 W/kg

**SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.115 W/kg**

Maximum value of SAR (measured) = 0.294 W/kg



0 dB = 0.294 W/kg = -5.32 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band IV RMC 1513CH Right cheek Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 40.612$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.55, 7.55, 7.55); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.910 W/kg

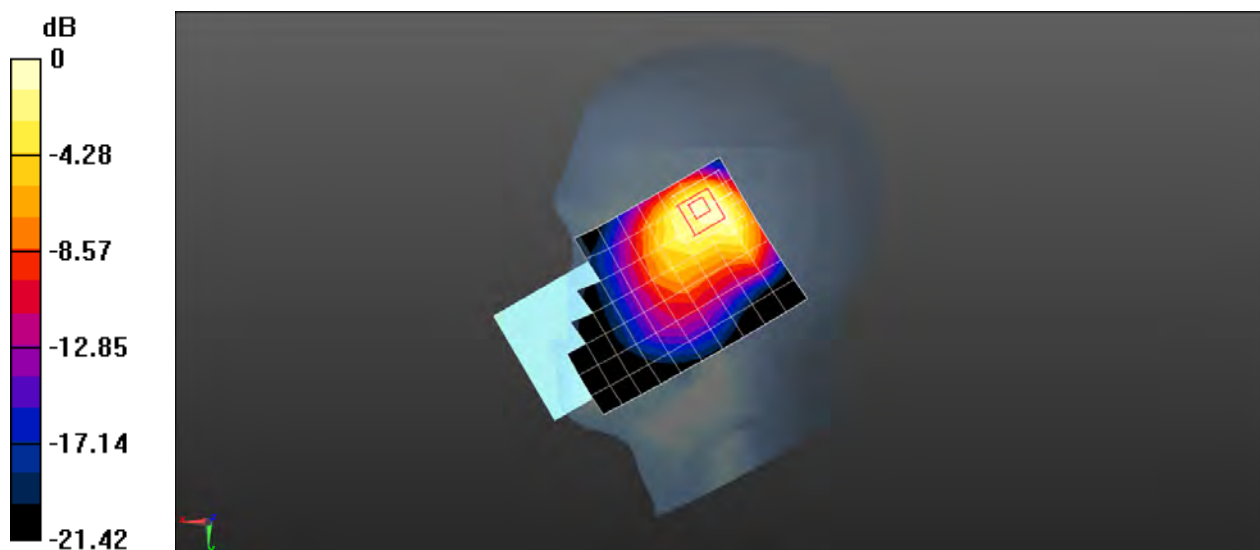
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.01 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.406 W/kg**

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band IV RMC 1412CH Back side 15mm Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.491$  S/m;  $\epsilon_r = 53.592$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.41, 8.41, 8.41); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.323 W/kg

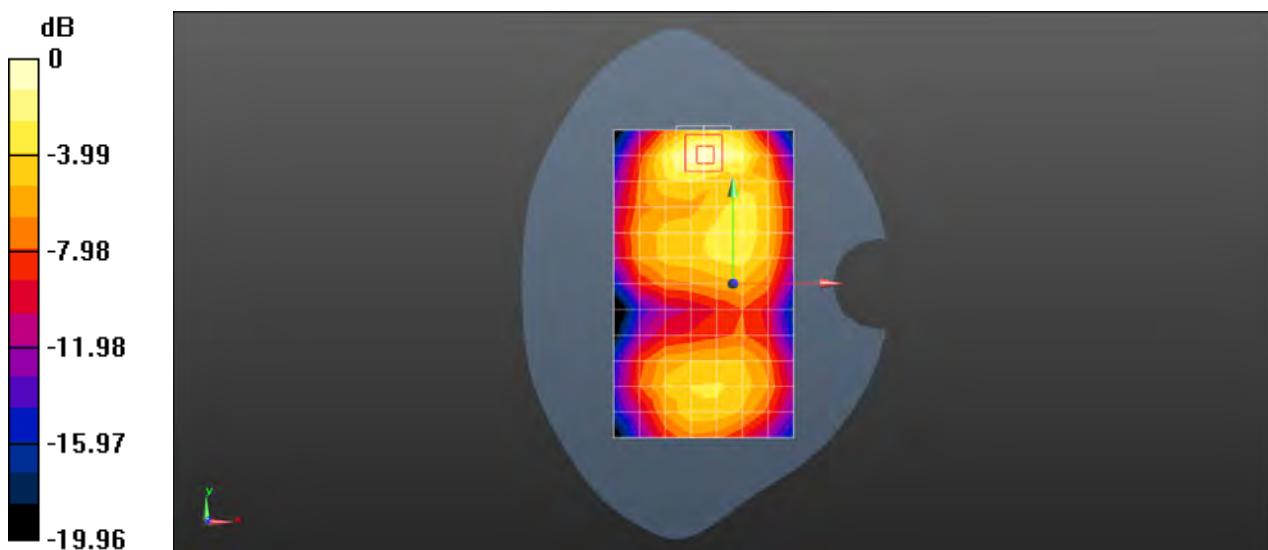
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.720 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.143 W/kg**

Maximum value of SAR (measured) = 0.334 W/kg



0 dB = 0.334 W/kg = -4.76 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band IV RMC 1412CH Top side 10mm Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000109**

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.491$  S/m;  $\epsilon_r = 53.592$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.41, 8.41, 8.41); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.252 W/kg

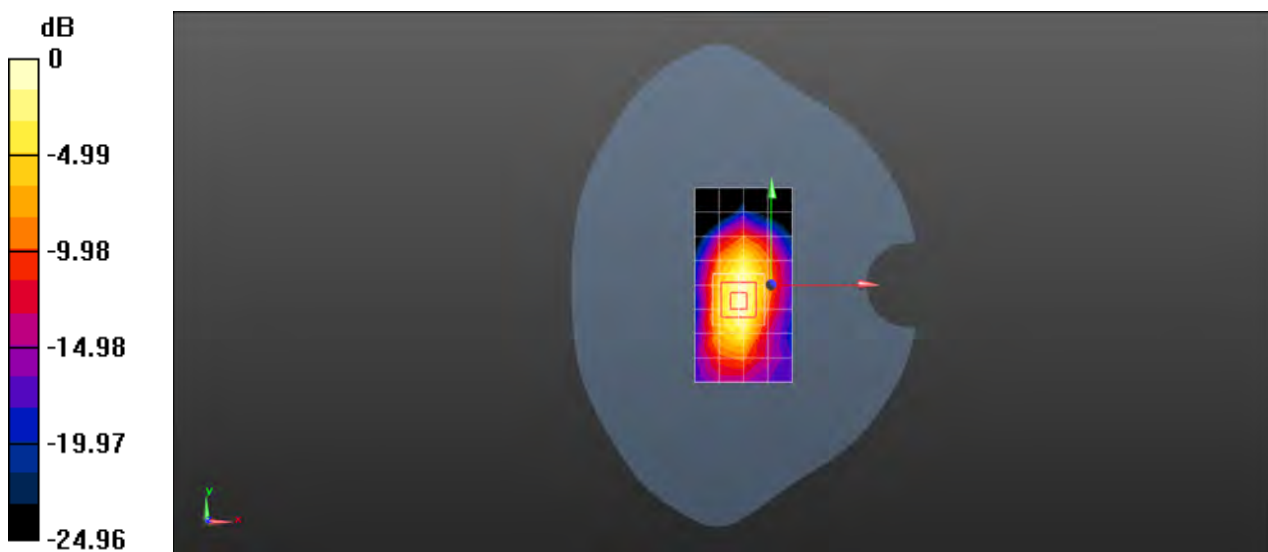
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.41 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.325 W/kg

**SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.109 W/kg**

Maximum value of SAR (measured) = 0.273 W/kg



0 dB = 0.273 W/kg = -5.64 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band V RMC 4233CH Right cheek with Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 42.492$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.61, 8.61, 8.61); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.937 W/kg

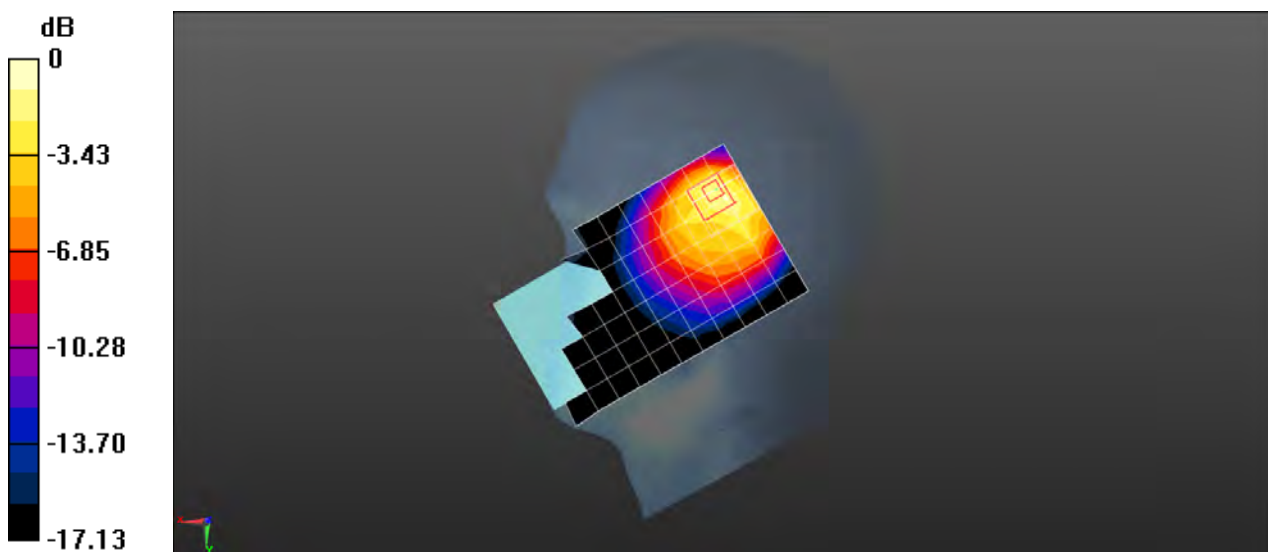
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.07 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.751 W/kg; SAR(10 g) = 0.389 W/kg**

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band V RMC 4182CH Back side 15mm with Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 56.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.436 W/kg

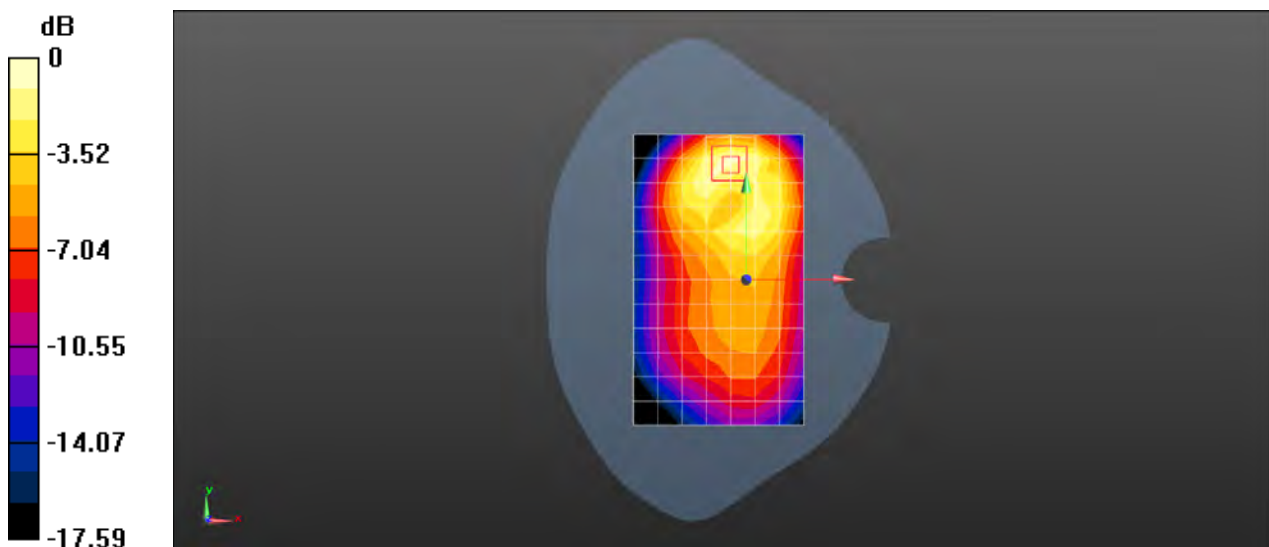
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.31 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.612 W/kg

**SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.220 W/kg**

Maximum value of SAR (measured) = 0.489 W/kg



0 dB = 0.489 W/kg = -3.11 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WCDMA Band V RMC 4182CH Front side 10mm with Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 56.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.237 W/kg

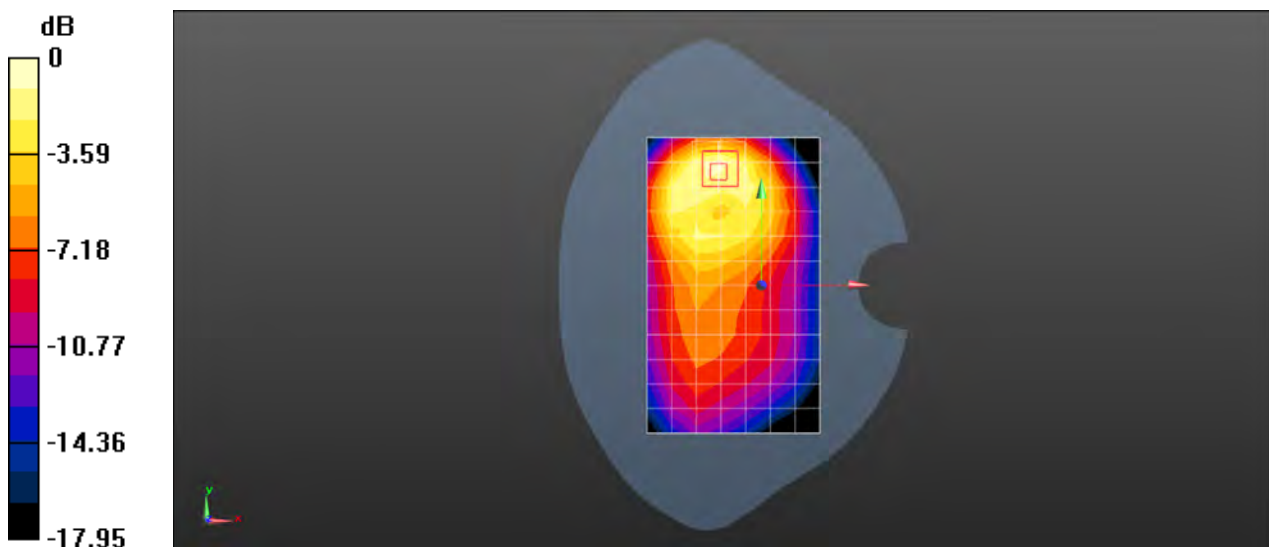
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.528 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.364 W/kg

**SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg = -5.69 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 2 20MHz bandwidth QPSK 50RB25 Offset 18700CH Right cheek Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.356$  S/m;  $\epsilon_r = 40.419$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.37, 7.37, 7.37); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.19 W/kg

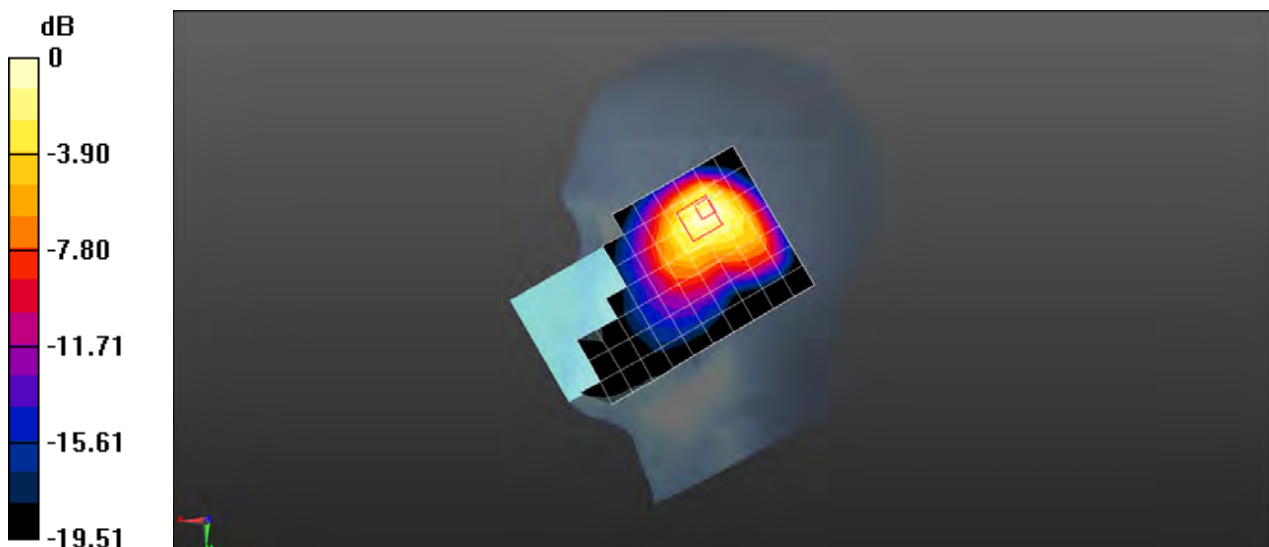
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.90 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.543 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 2 20MHz bandwidth QPSK 1RB50 Offset 18700CH Back side 15mm with SIM2 Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.629$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.390 W/kg

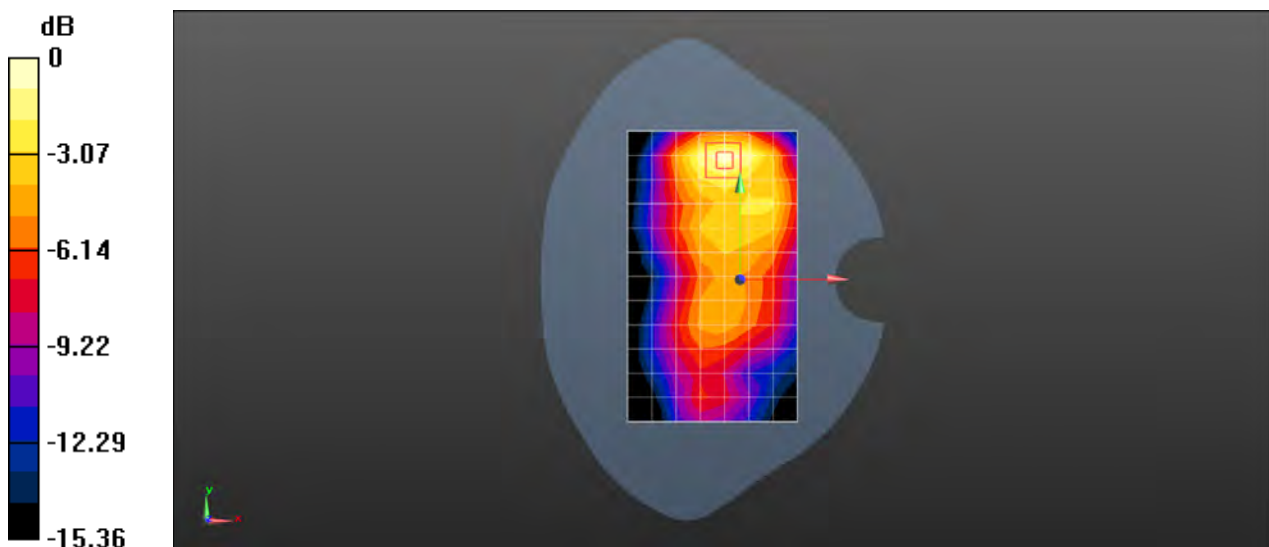
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.659 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.504 W/kg

**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.177 W/kg**

Maximum value of SAR (measured) = 0.416 W/kg



0 dB = 0.416 W/kg = -3.81 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 2 20MHz bandwidth QPSK 1RB50 Offset 18700CH Top side 10mm Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.629$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.06, 7.06, 7.06); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.360 W/kg

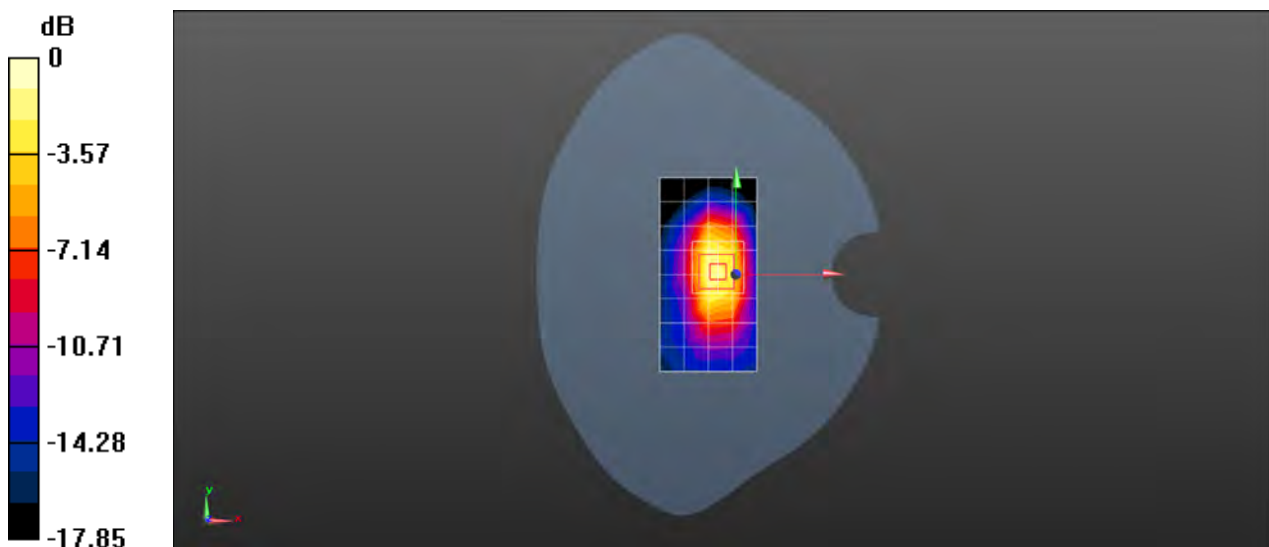
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.26 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.577 W/kg

**SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.177 W/kg**

Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.457 W/kg = -3.40 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 4 20MHz bandwidth QPSK 50RB25 Offset 20300CH Right cheek with Battery 2# Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 40.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.55, 7.55, 7.55); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.09 W/kg

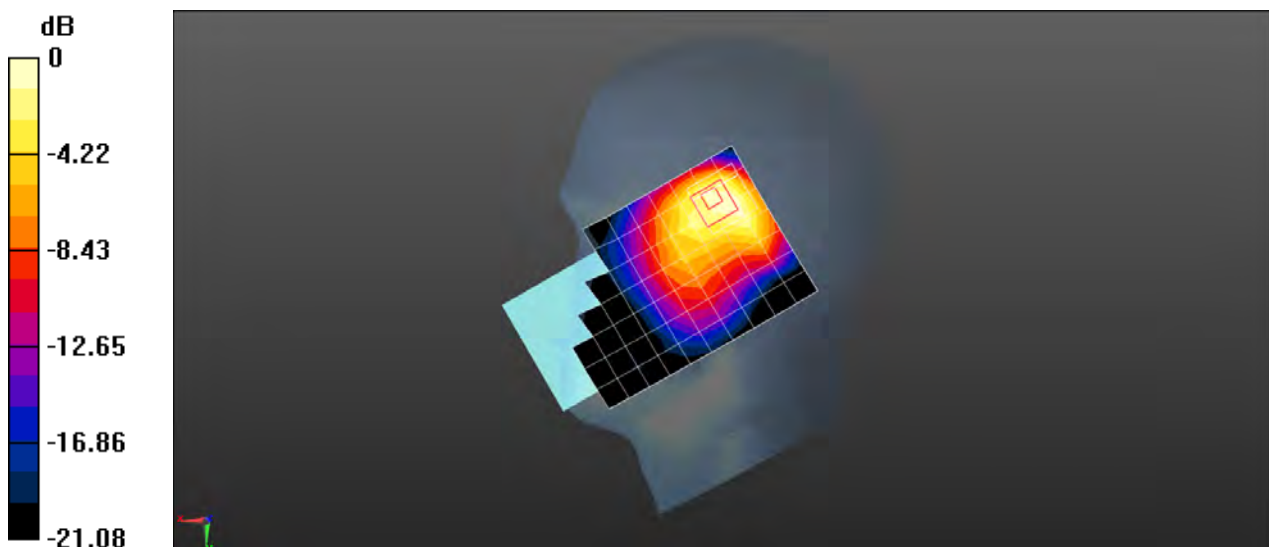
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.23 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.459 W/kg**

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg



Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 4 20MHz bandwidth QPSK 1RB50 Offset 20300CH Back side 15mm with SIM2 Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000109**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.41, 8.41, 8.41); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.292 W/kg

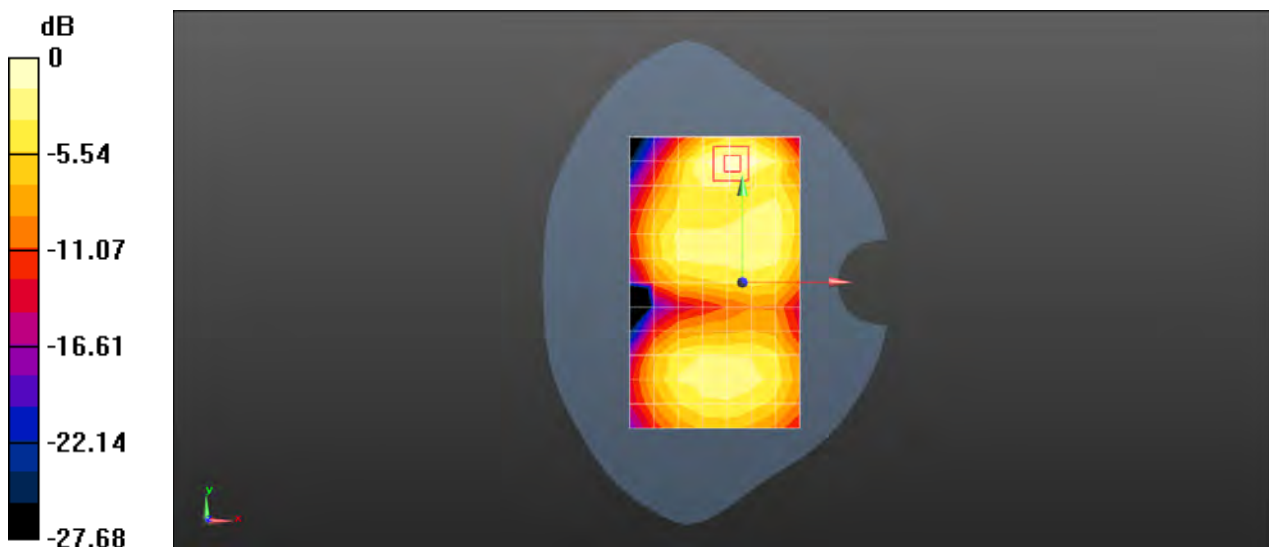
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.809 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.369 W/kg

**SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.306 W/kg = -5.14 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 4 20MHz bandwidth QPSK 50RB25 Offset 20300CH Back side 10mm Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000109**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.41, 8.41, 8.41); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.327 W/kg

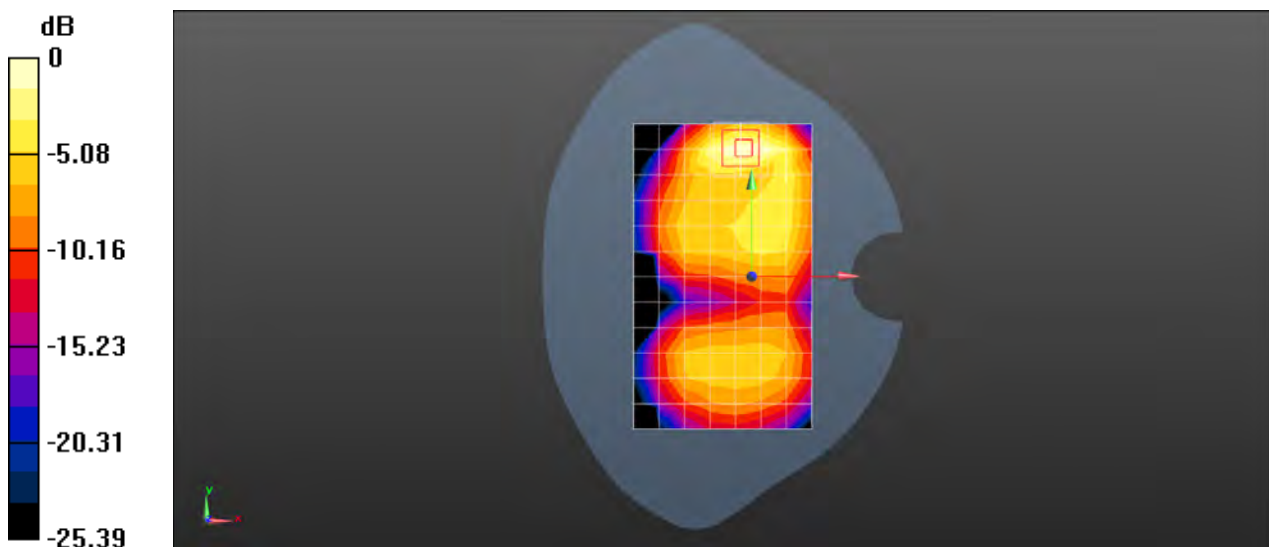
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.404 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 5 10MHz bandwidth QPSK 1RB25 Offset 20525CH Right cheek-repeat Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 42.612$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.61, 8.61, 8.61); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.13 W/kg

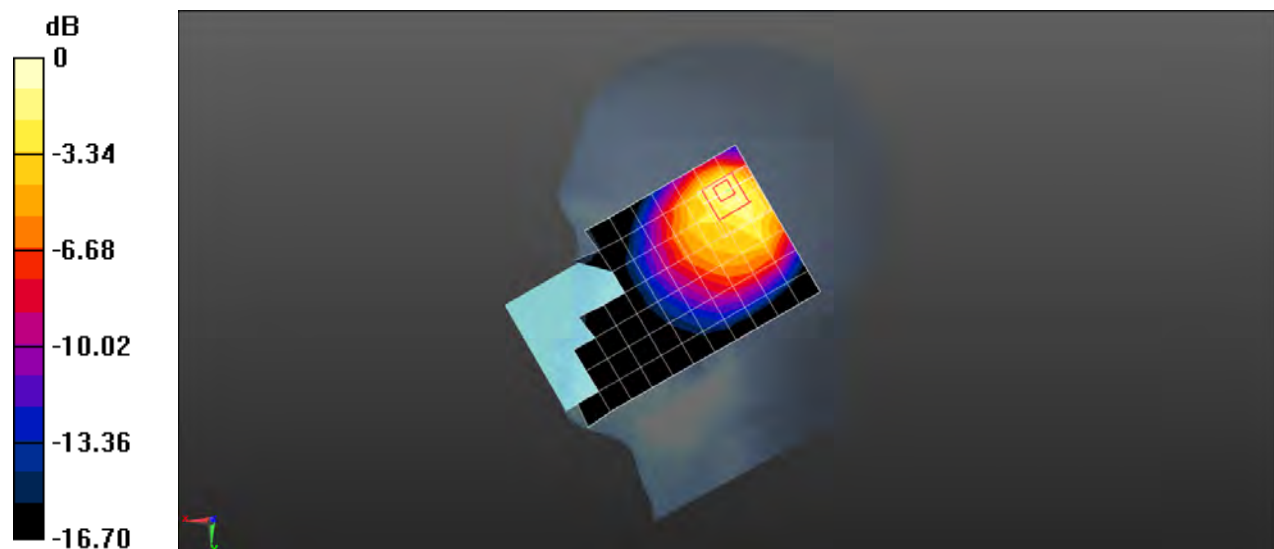
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.36 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.472 W/kg**

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 5 10MHz bandwidth QPSK 1RB25 Offset 20600CH Back side 15mm with Battery 3# Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz;Duty Cycle: 1:1

Medium: MSL835;Medium parameters used:  $f = 844$  MHz;  $\sigma = 1.001$  S/m;  $\epsilon_r = 56.066$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.490 W/kg

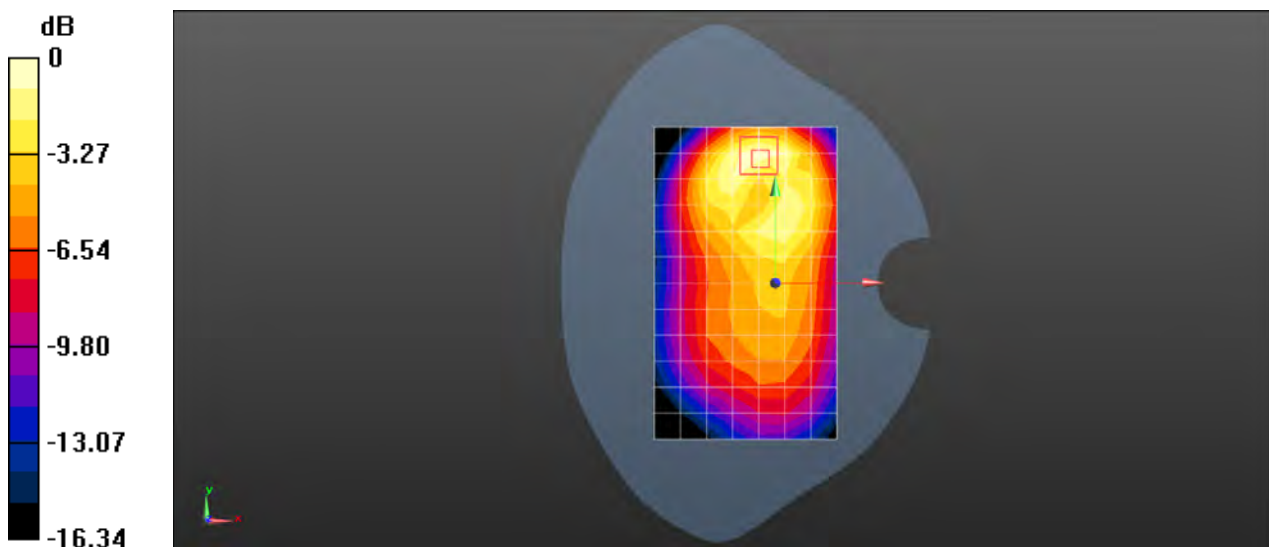
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.49 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.641 W/kg

**SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.234 W/kg**

Maximum value of SAR (measured) = 0.502 W/kg



0 dB = 0.502 W/kg = -2.99 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 5 10MHz bandwidth QPSK 1RB25 Offset 20600CH Back side 10mm with Battery 3# Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used:  $f = 844$  MHz;  $\sigma = 1.001$  S/m;  $\epsilon_r = 56.066$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.87, 9.87, 9.87); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.538 W/kg

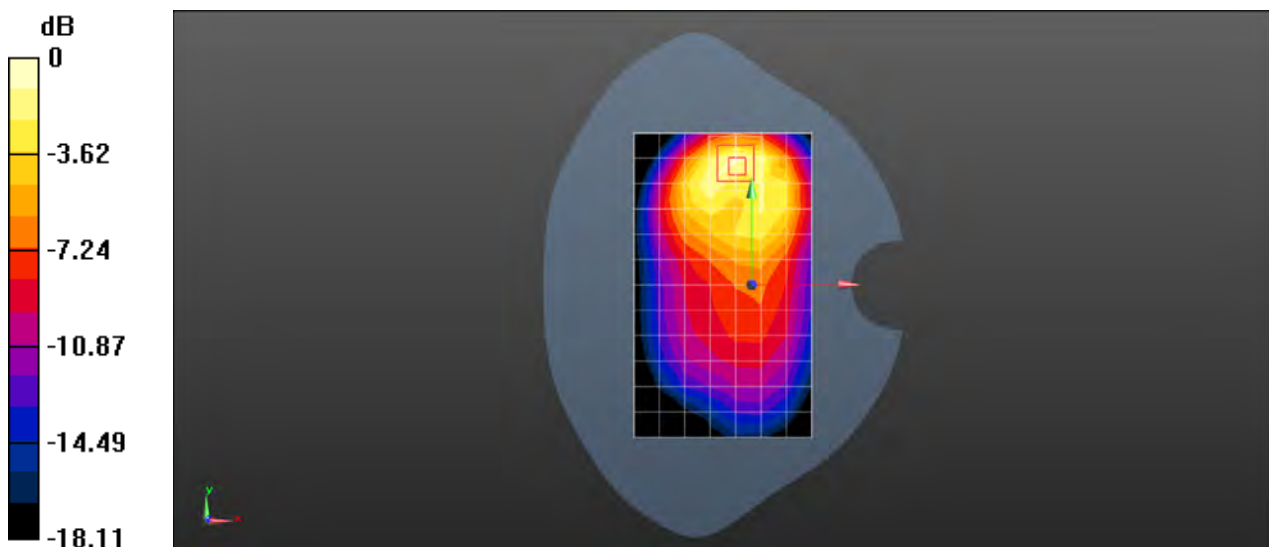
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.905 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.890 W/kg

**SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.273 W/kg**

Maximum value of SAR (measured) = 0.639 W/kg



0 dB = 0.639 W/kg = -1.94 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 7 20MHz bandwidth QPSK 1RB50 Offset 21350CH Right cheek-repeat with Battery 3# Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.924$  S/m;  $\epsilon_r = 37.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.7, 6.7, 6.7); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 1.19 W/kg

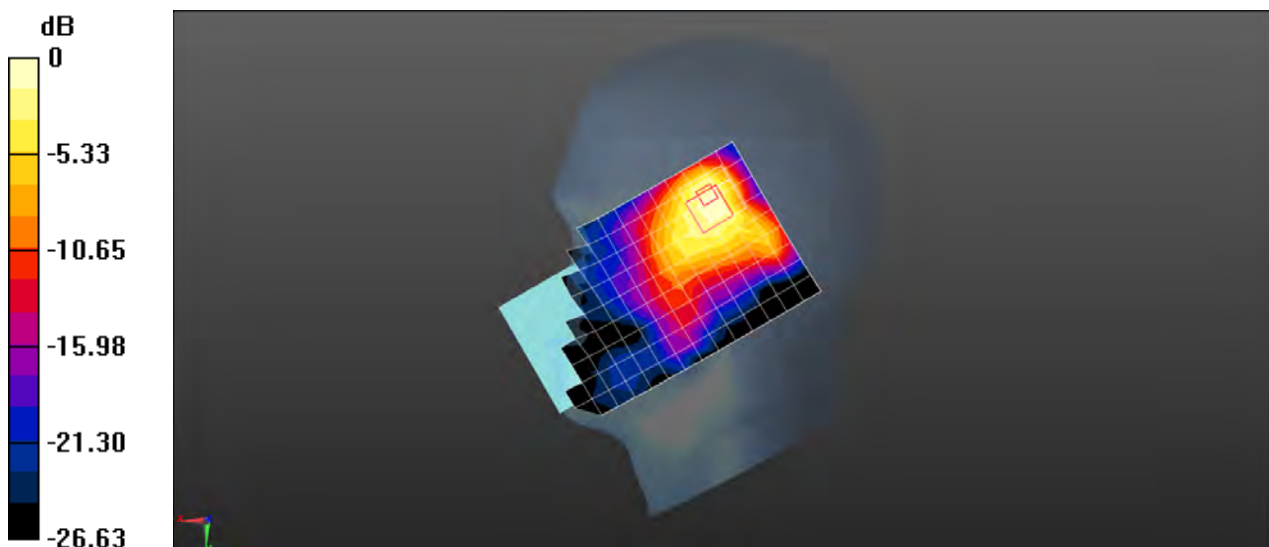
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.44 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.456 W/kg**

Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg = 1.76 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 7 20MHz bandwidth QPSK 1RB50 Offset 21100CH Front side 15mm with Battery 3# Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL2600; Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.088$  S/m;  $\epsilon_r = 53.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.26, 7.26, 7.26); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: ELI V5.0; Type: ELI; Serial: 1128
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.340 W/kg

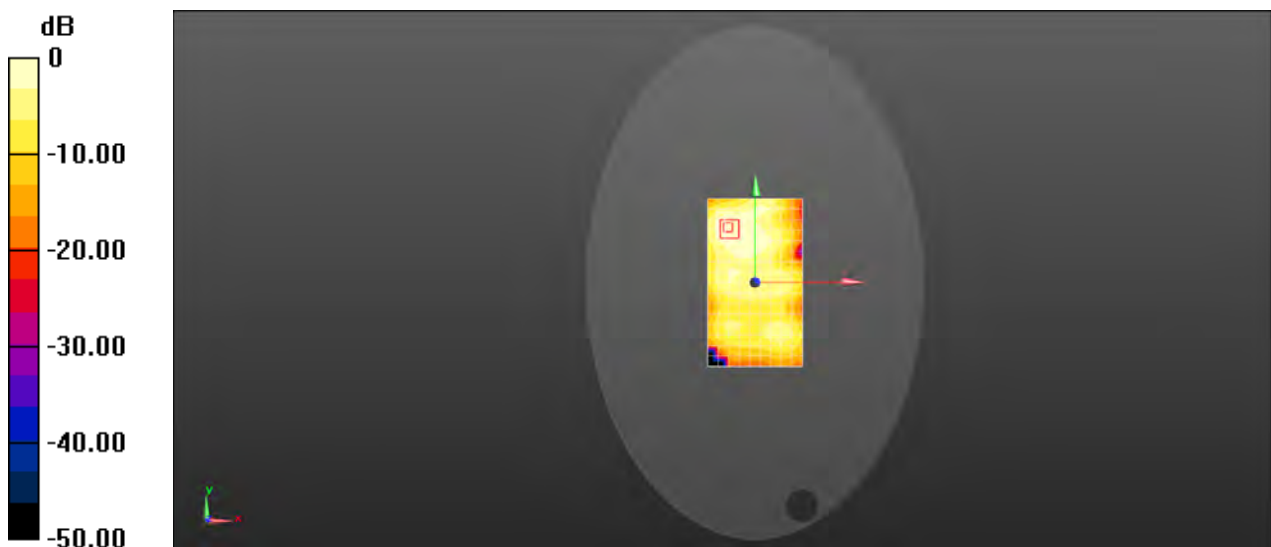
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.305 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.448 W/kg

**SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.136 W/kg**

Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.347 W/kg = -4.60 dBW/kg



Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 7 20MHz bandwidth QPSK 50RB25 Offset 21350CH Back side 10mm Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000109**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL2600; Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.128$  S/m;  $\epsilon_r = 53.444$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.26, 7.26, 7.26); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: ELI V5.0; Type: ELI; Serial: 1128
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.307 W/kg

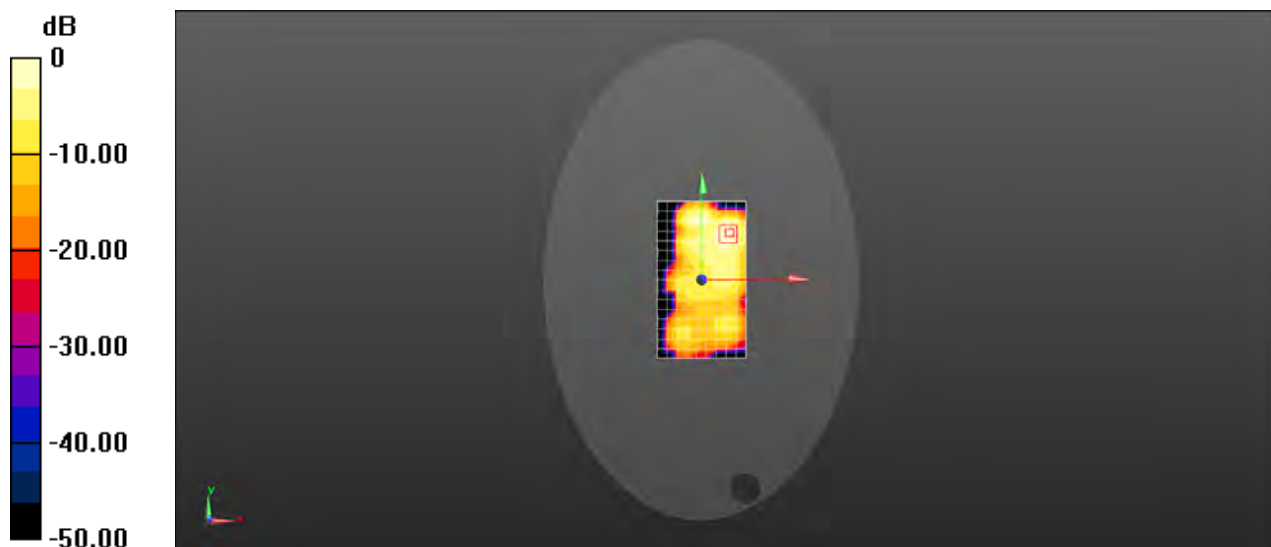
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.400 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.437 W/kg

**SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.107 W/kg**

Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg = -4.87 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 12 10MHz bandwidth QPSK 1RB25 Offset 23095CH Right cheek with Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.835$  S/m;  $\epsilon_r = 43.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.89, 8.89, 8.89); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.14 W/kg

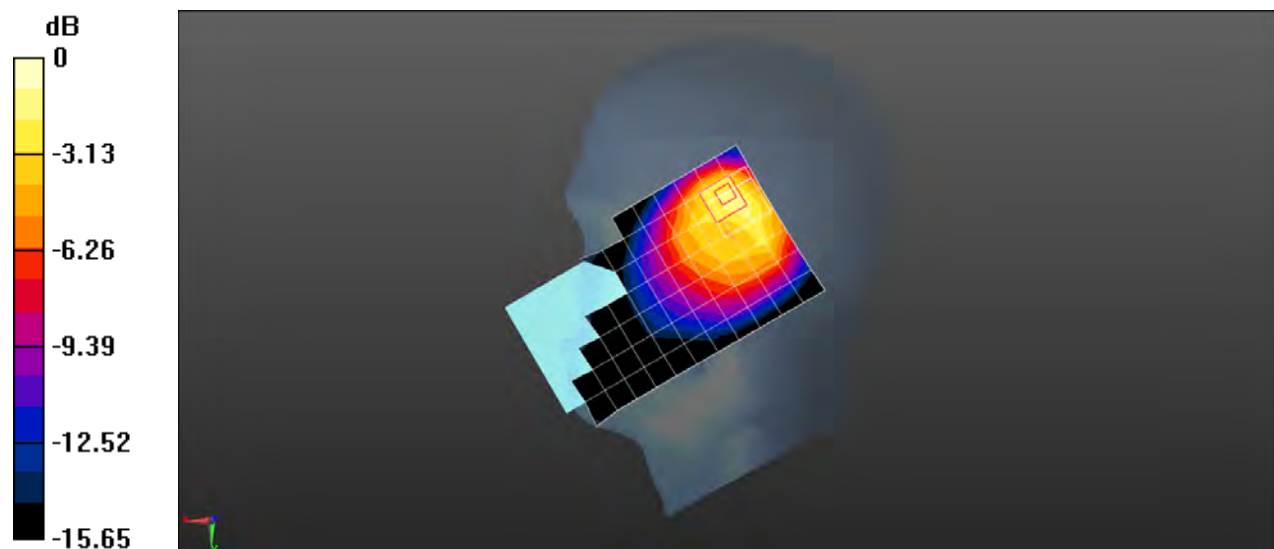
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.04 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.09 W/kg

**SAR(1 g) = 0.930 W/kg; SAR(10 g) = 0.493 W/kg**

Maximum value of SAR (measured) = 1.45 W/kg



Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 12 10MHz bandwidth QPSK 1RB25 Offset 23130CH Back side 15mm with Battery 2# Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 56.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(10.08, 10.08, 10.08); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.371 W/kg

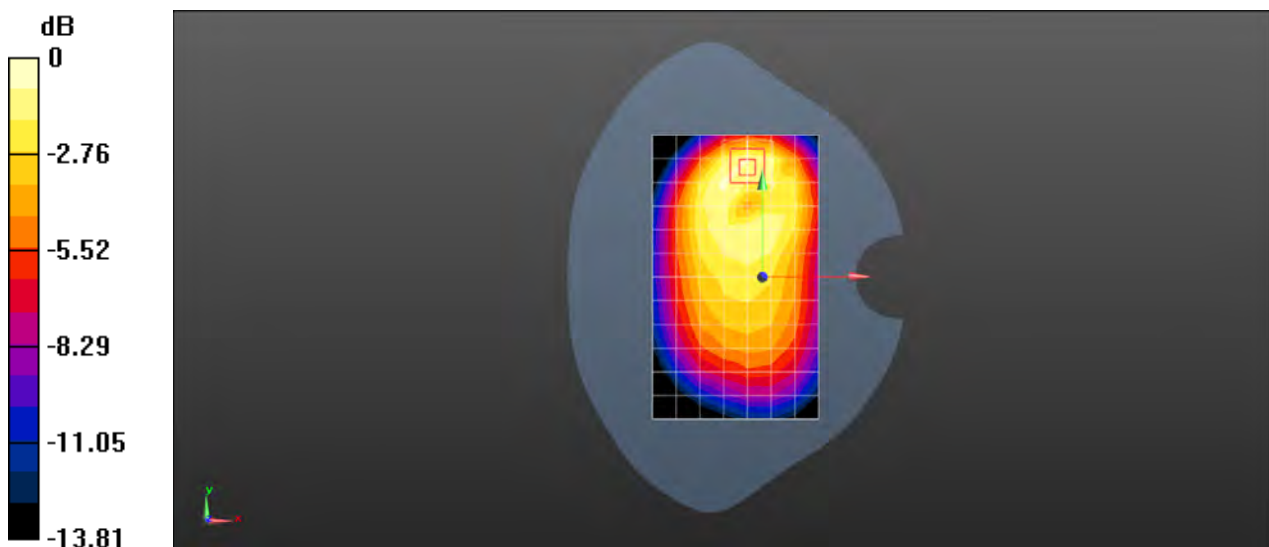
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.04 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.526 W/kg

**SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.430 W/kg



0 dB = 0.430 W/kg = -3.67 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 12 10MHz bandwidth QPSK 1RB25 Offset 23060CH Back side 10mm with Battery 2# Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 704 MHz;Duty Cycle: 1:1

Medium: MSL750;Medium parameters used:  $f = 704$  MHz;  $\sigma = 0.945$  S/m;  $\epsilon_r = 57.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(10.08, 10.08, 10.08); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.594 W/kg

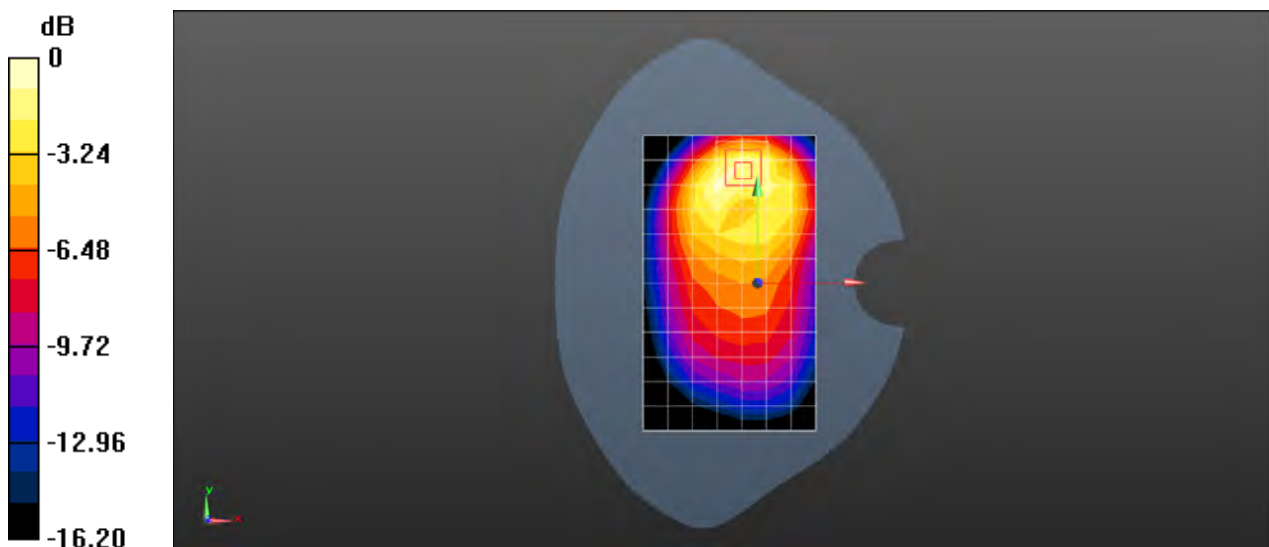
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.75 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.939 W/kg

**SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.302 W/kg**

Maximum value of SAR (measured) = 0.691 W/kg



0 dB = 0.691 W/kg = -1.61 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 LTE Band 17 10MHz bandwidth QPSK 1RB0 Offset 23800CH Right cheek wth Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz;Duty Cycle: 1:1

Medium: HSL750;Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.829$  S/m;  $\epsilon_r = 43.316$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.89, 8.89, 8.89); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.11 W/kg

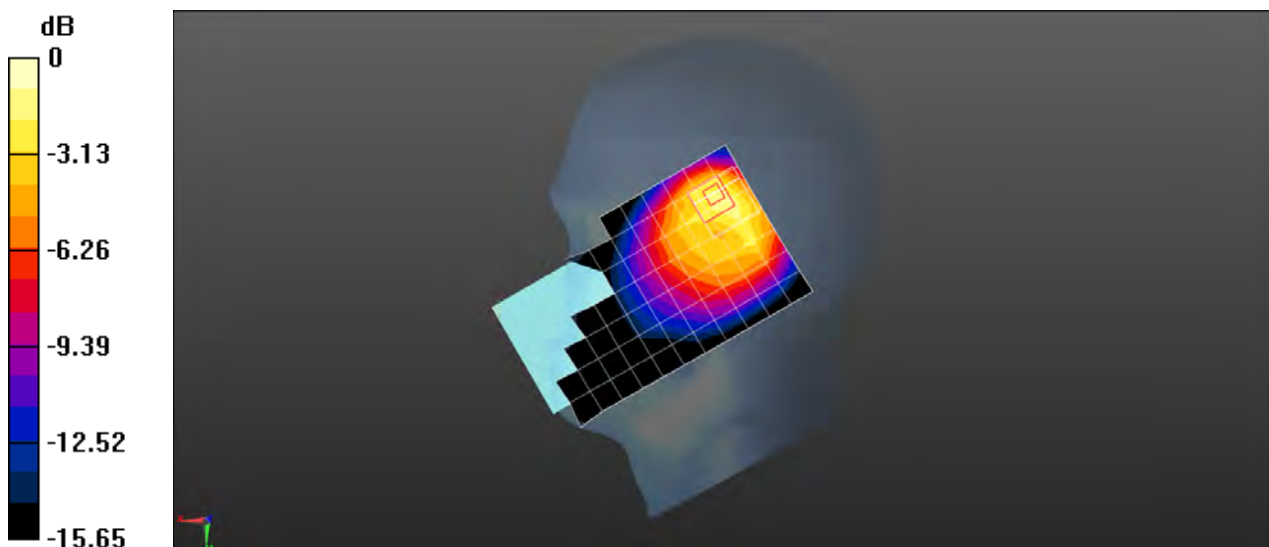
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.73 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.06 W/kg

**SAR(1 g) = 0.914 W/kg; SAR(10 g) = 0.485 W/kg**

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

Test Laboratory: SGS-SAR Lab

### RNE-L23 LTE Band 17 10MHz bandwidth QPSK 1RB0 Offset 23780CH Back side 15mm with Battery 3# Ant 2

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 709 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used:  $f = 709$  MHz;  $\sigma = 0.935$  S/m;  $\epsilon_r = 56.624$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(10.08, 10.08, 10.08); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.387 W/kg

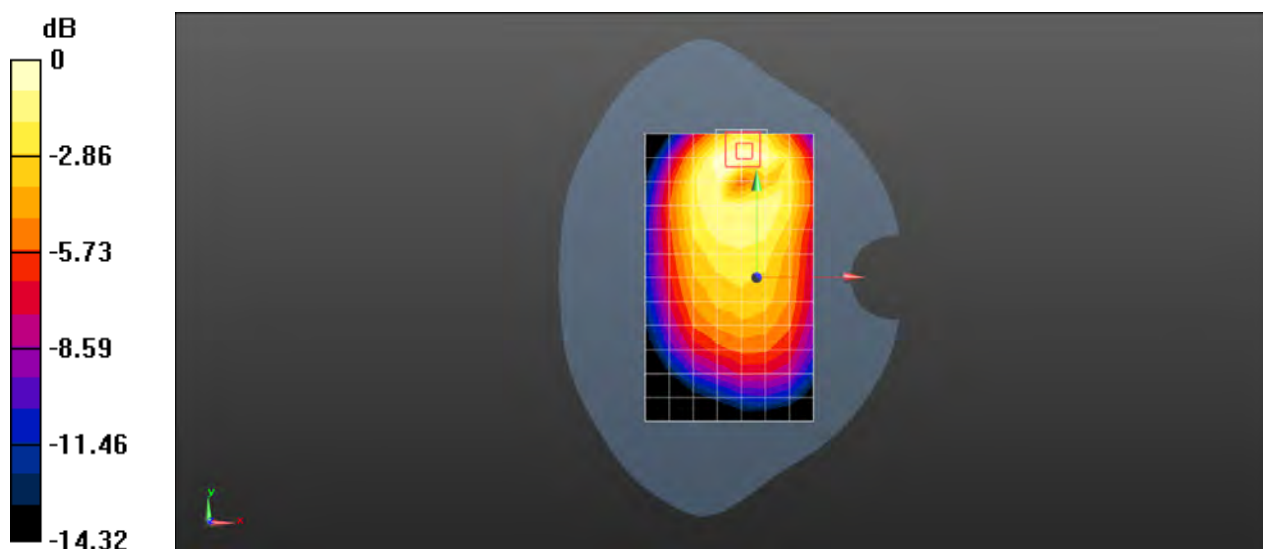
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.56 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.183 W/kg**

Maximum value of SAR (measured) = 0.396 W/kg



0 dB = 0.396 W/kg = -4.02 dBW/kg

Test Laboratory: SGS-SAR Lab

**RNE-L23 LTE Band 17 10MHz bandwidth QPSK 1RB0 Offset 23780CH Back side 10mm with Battery 2# Ant 2**

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000117**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 709 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used:  $f = 709$  MHz;  $\sigma = 0.935$  S/m;  $\epsilon_r = 56.624$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(10.08, 10.08, 10.08); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.674 W/kg

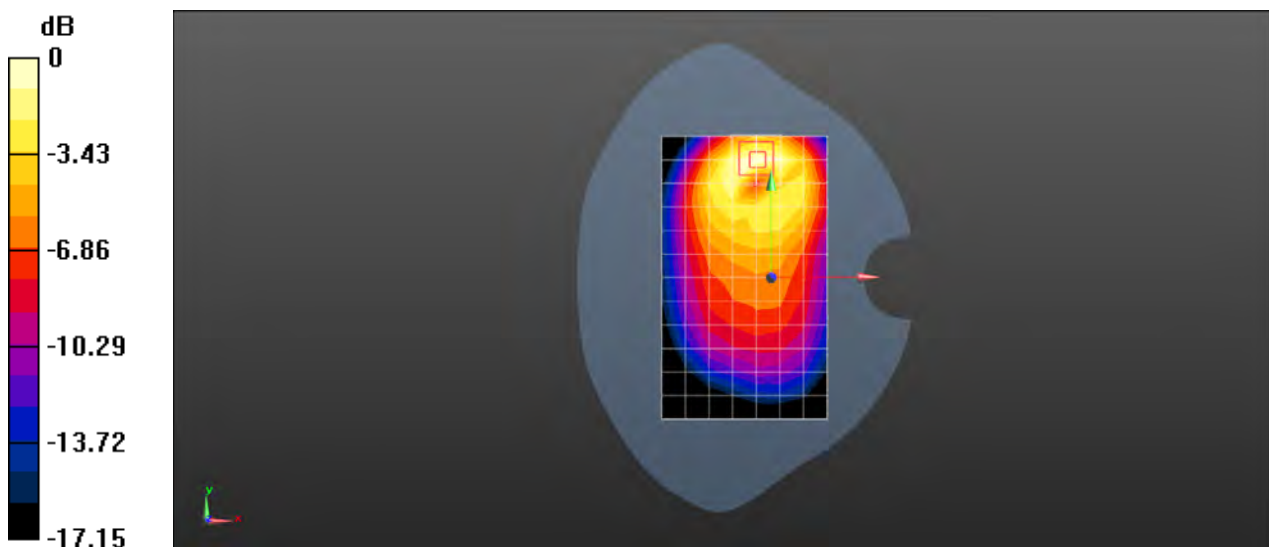
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.90 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.863 W/kg

**SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.283 W/kg**

Maximum value of SAR (measured) = 0.675 W/kg



0 dB = 0.675 W/kg = -1.71 dBW/kg



Test Laboratory: SGS-SAR Lab

## RNE-L23 Wi-Fi2.4G 802.11b 11CH Left cheek

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000006**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium: HSL2450;Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.81$  S/m;  $\epsilon_r = 38.28$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.85, 6.85, 6.85); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.483 W/kg

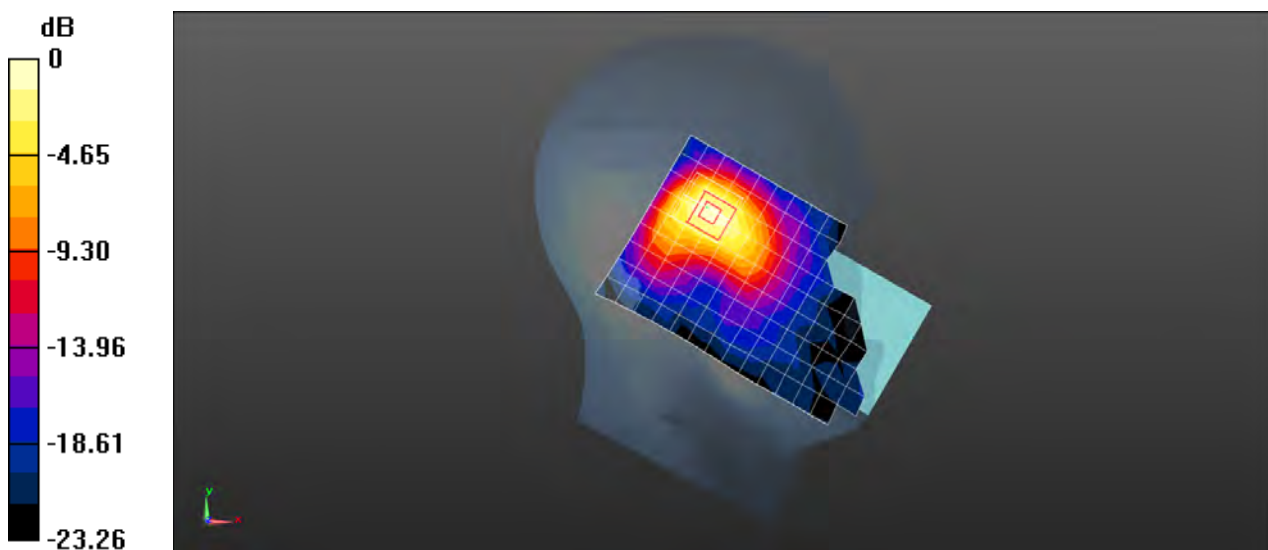
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.324 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.690 W/kg

**SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.177 W/kg**

Maximum value of SAR (measured) = 0.508 W/kg



0 dB = 0.508 W/kg = -2.94 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WIFI 802.11b 1CH Back side 15mm

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000109**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz;Duty Cycle: 1:1

Medium: MSL2450;Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.931$  S/m;  $\epsilon_r = 53.913$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.46, 7.46, 7.46); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: ELI V5.0; Type: ELI; Serial: 1128
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.220 W/kg

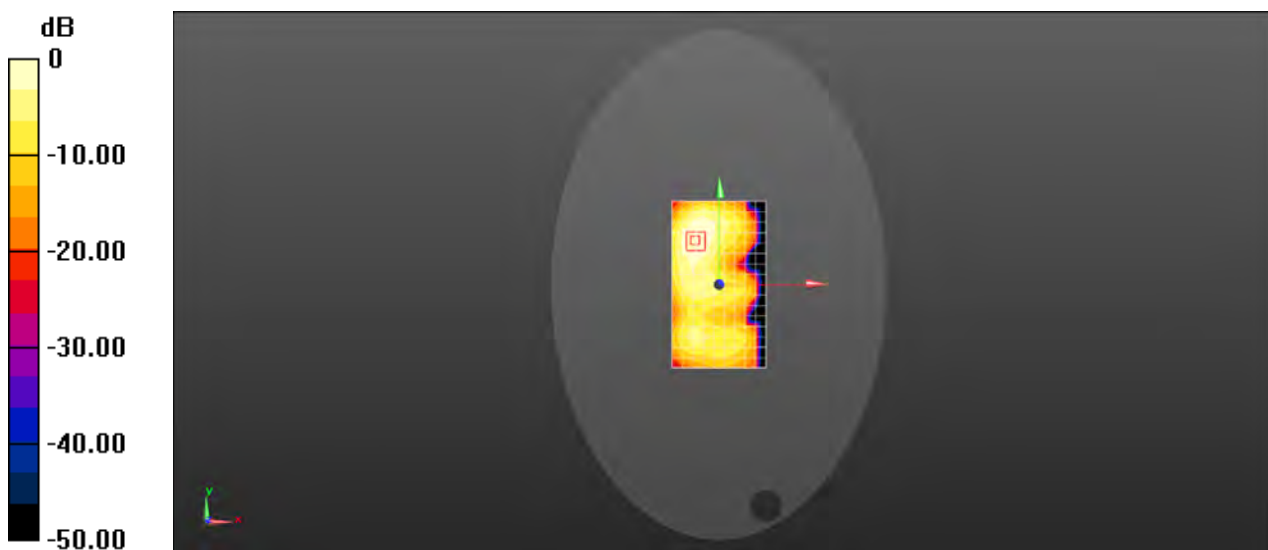
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.695 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.089 W/kg**

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg = -6.48 dBW/kg

Test Laboratory: SGS-SAR Lab

## RNE-L23 WIFI 802.11b 11CH Right side 10mm

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000109**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium: MSL2450;Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.988$  S/m;  $\epsilon_r = 53.76$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.46, 7.46, 7.46); Calibrated: 2016-12-19;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-02-23
- Phantom: ELI V5.0; Type: ELI; Serial: 1128
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.101 W/kg

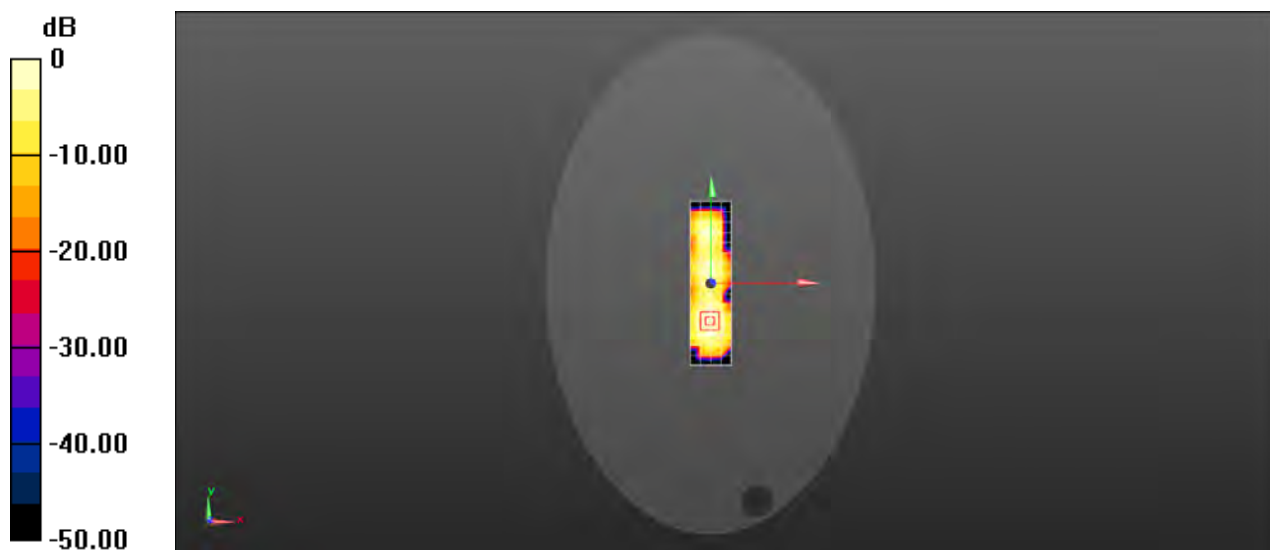
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.127 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.127 W/kg

**SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.034 W/kg**

Maximum value of SAR (measured) = 0.102 W/kg



Test Laboratory: SGS-SAR Lab

### RNE-L23 Bluetooth DH5 39CH Left cheek with Battery 3#

**DUT: RNE-L23; Type: Smart Phone; Serial: M4VDU17828000054**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.794$  S/m;  $\epsilon_r = 38.291$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.85, 6.85, 6.85); Calibrated: 2017-01-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.257 W/kg

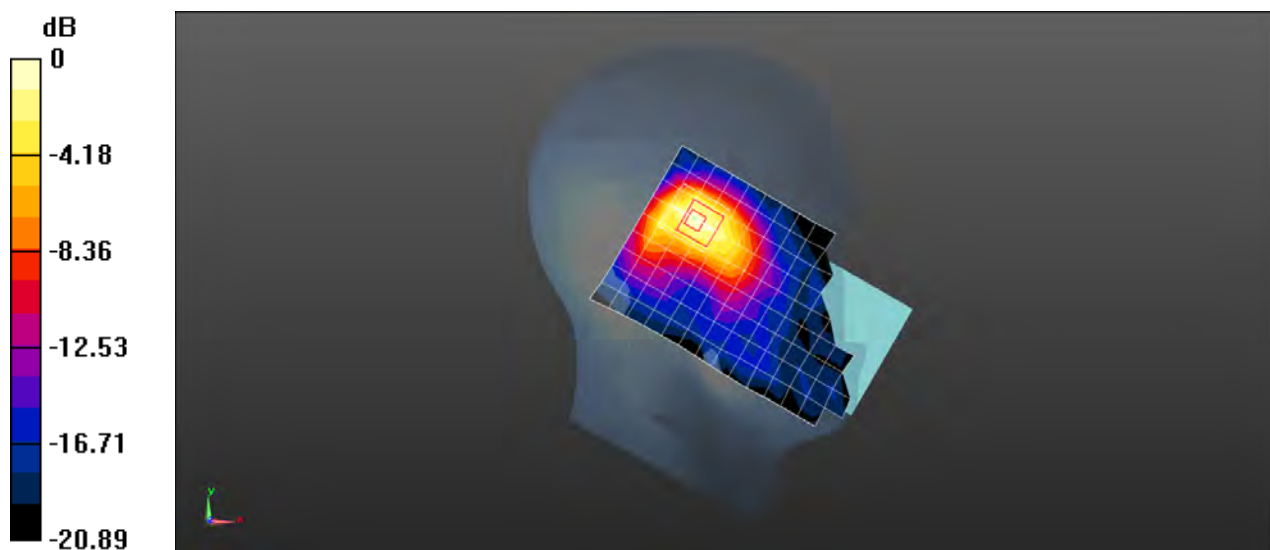
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.116 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.354 W/kg

**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg = -5.72 dBW/kg