

# Appendix B

## Detailed Test Results

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Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM850 190CH Right cheek Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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;  $\sigma = 0.908$  S/m;  $\epsilon_r = 41.492$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.96, 9.96, 9.96); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.254 W/kg

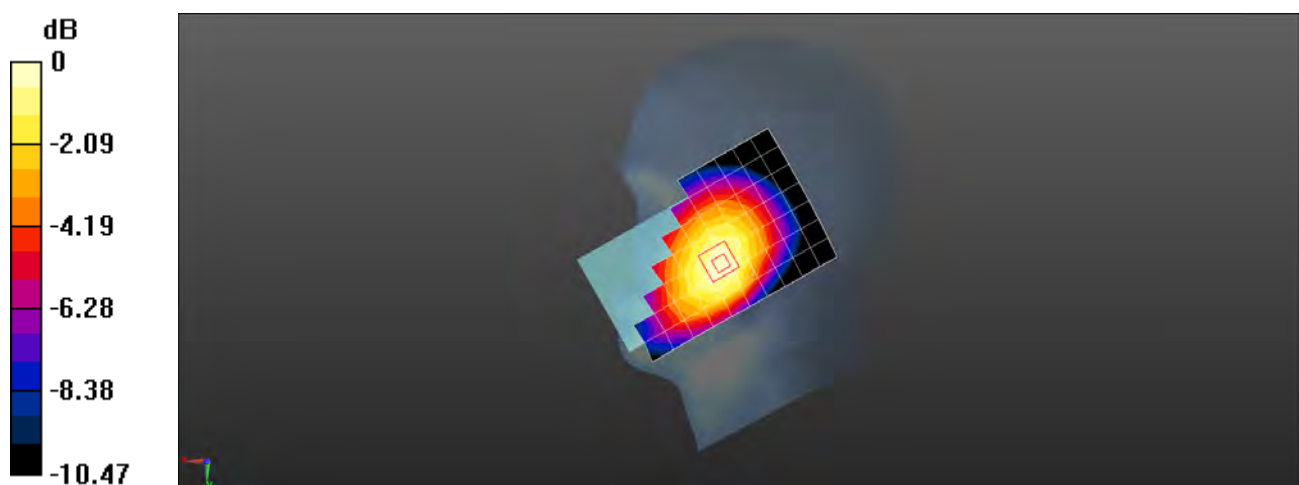
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.358 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.286 W/kg

**SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.172 W/kg**

Maximum value of SAR (measured) = 0.259 W/kg



0 dB = 0.259 W/kg = -5.87 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM850 GPRS 2TS 190CH Back side 15mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.14954

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(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.358 W/kg

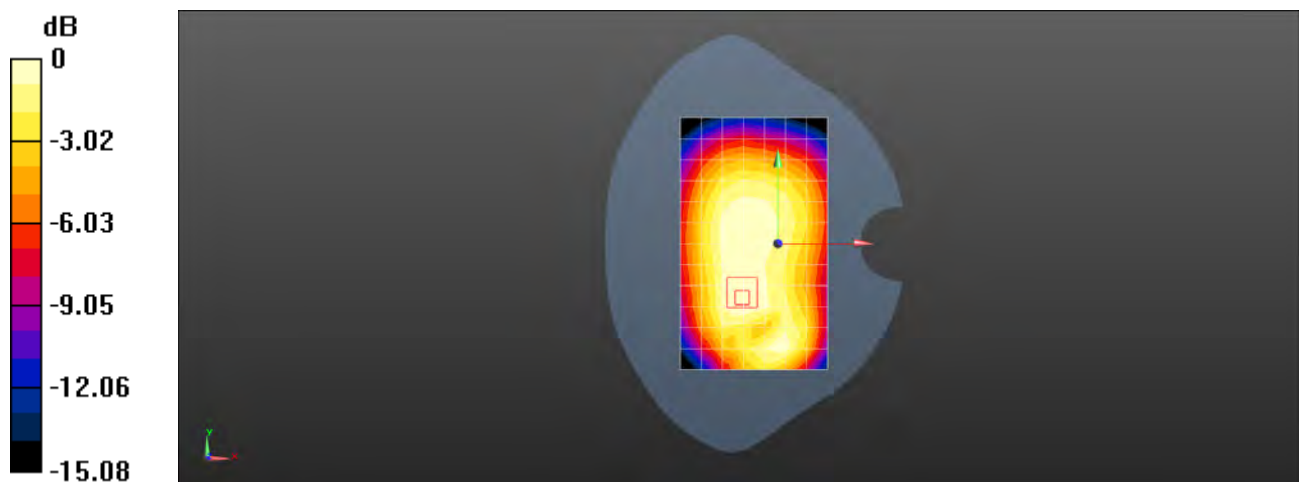
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.79 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.407 W/kg

**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.227 W/kg**

Maximum value of SAR (measured) = 0.363 W/kg



0 dB = 0.363 W/kg = -4.40 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM850 GPRS 2TS 190CH Back side 10mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.14954

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(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.558 W/kg

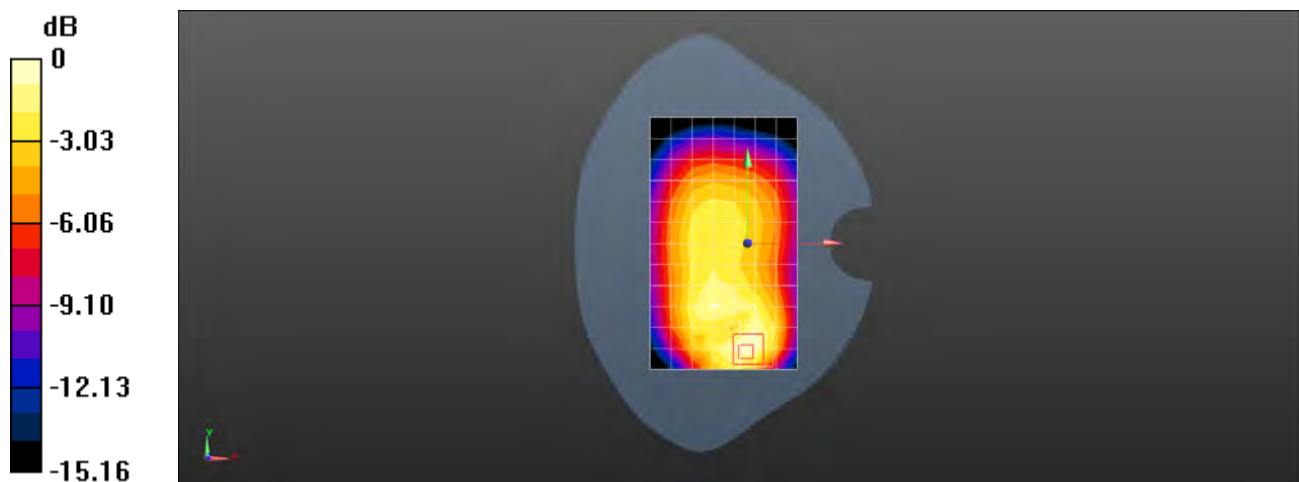
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.06 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.746 W/kg

**SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.253 W/kg**

Maximum value of SAR (measured) = 0.590 W/kg



0 dB = 0.590 W/kg = -2.29 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM850 190CH Left cheek Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.96, 9.96, 9.96); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.288 W/kg

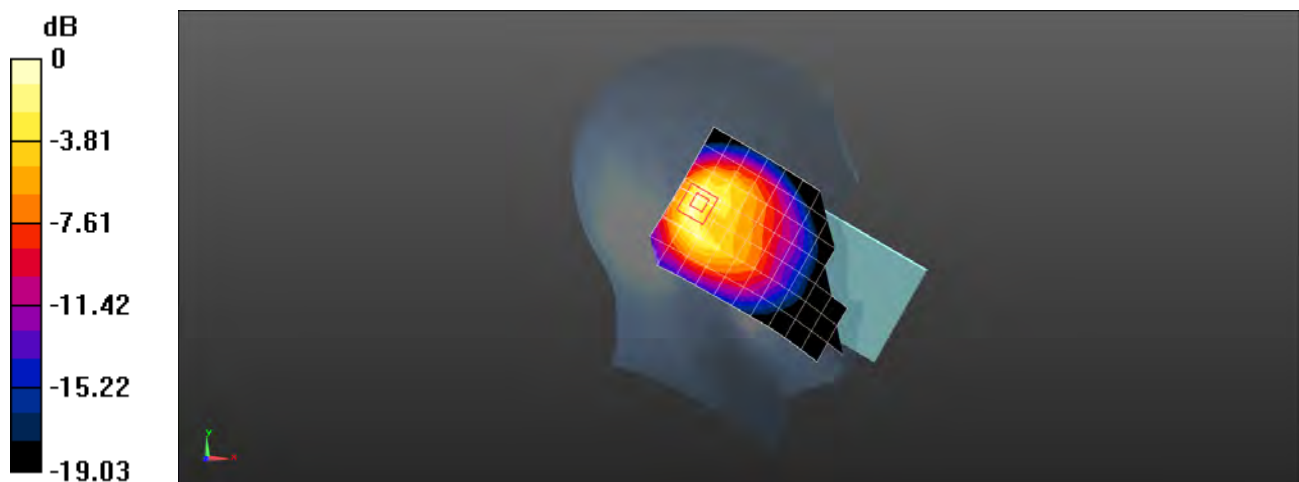
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.95 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.125 W/kg**

Maximum value of SAR (measured) = 0.340 W/kg



0 dB = 0.340 W/kg = -4.69 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM850 GPRS 2TS 190CH Front side 15mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.14954

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 1.005$  S/m;  $\epsilon_r = 56.452$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0621 W/kg

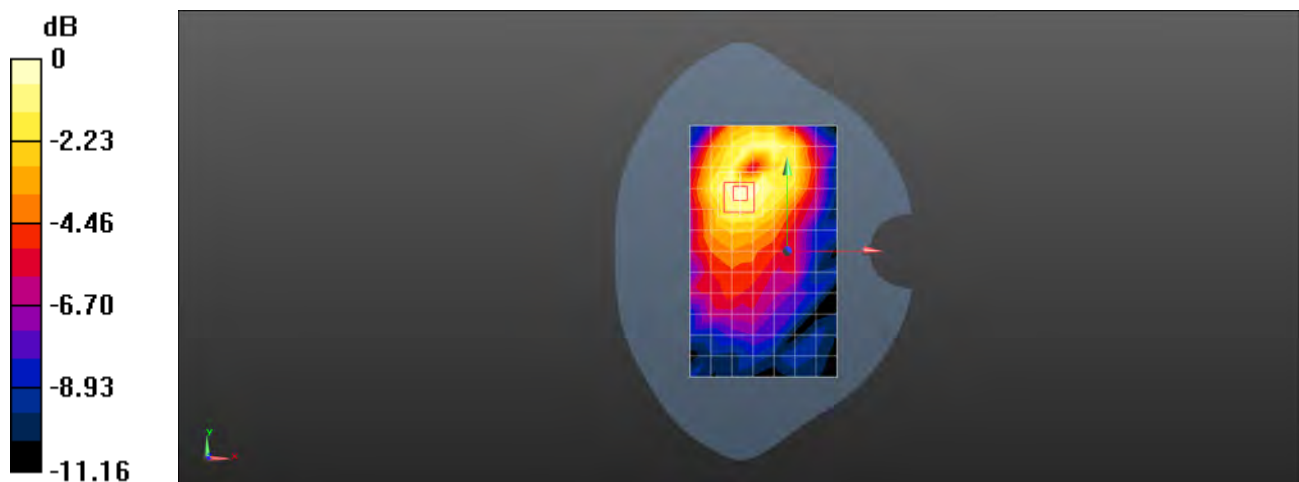
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.837 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0790 W/kg

**SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.037 W/kg**

Maximum value of SAR (measured) = 0.0652 W/kg



0 dB = 0.0652 W/kg = -11.86 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM850 GPRS 2TS 190CH Back side 10mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.14954

Medium: MSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 1.005$  S/m;  $\epsilon_r = 56.452$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.260 W/kg

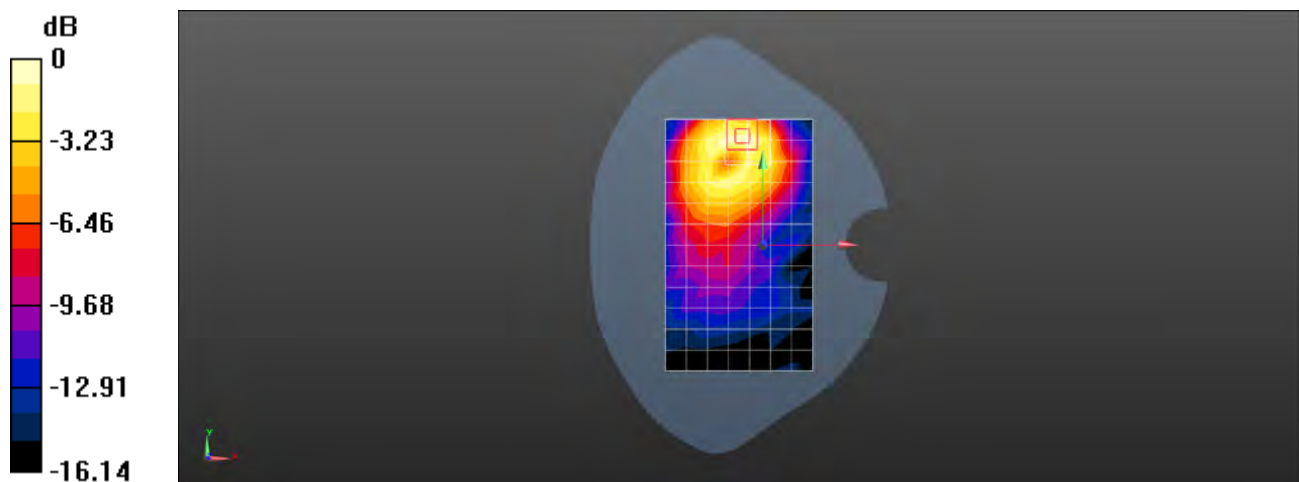
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.184 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.339 W/kg

**SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.100 W/kg**

Maximum value of SAR (measured) = 0.256 W/kg



0 dB = 0.256 W/kg = -5.92 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM1900 661CH Left cheek with SIM2 Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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;  $\sigma = 1.431$  S/m;  $\epsilon_r = 38.544$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.35, 7.35, 7.35); Calibrated: 2018-02-08;
- 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/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0560 W/kg

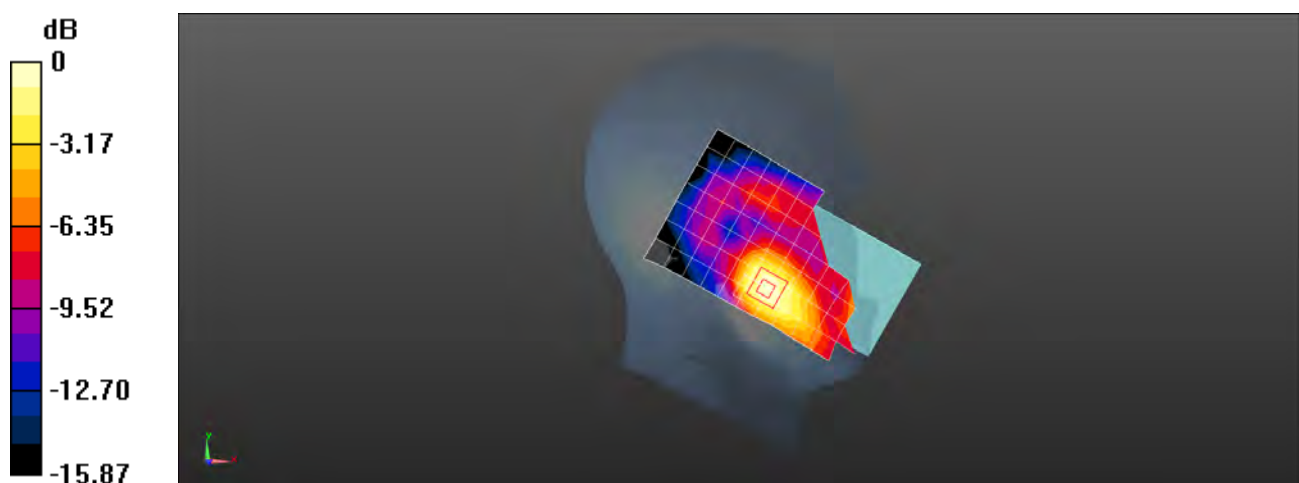
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.942 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0780 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.0627 W/kg



0 dB = 0.0627 W/kg = -12.03 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM1900 GPRS 2TS 661CH Back side 15mm with Battery 2 Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:4.14954

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.575 W/kg

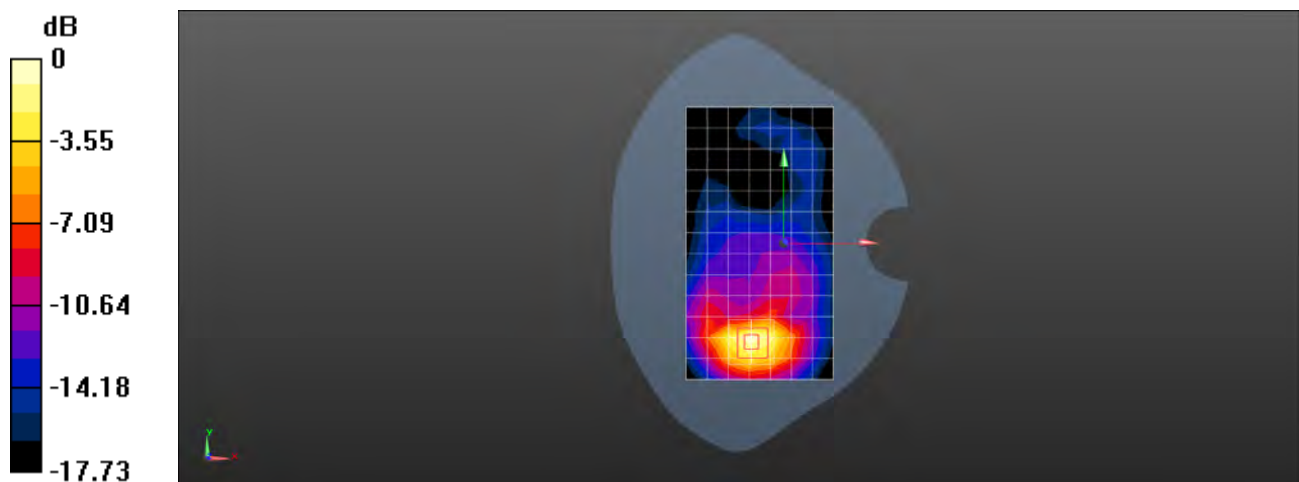
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.517 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.741 W/kg

**SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.254 W/kg**

Maximum value of SAR (measured) = 0.614 W/kg



0 dB = 0.614 W/kg = -2.12 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM1900 GPRS 2TS 661CH Bottom side 10mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:4.14954

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- 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) = 0.675 W/kg

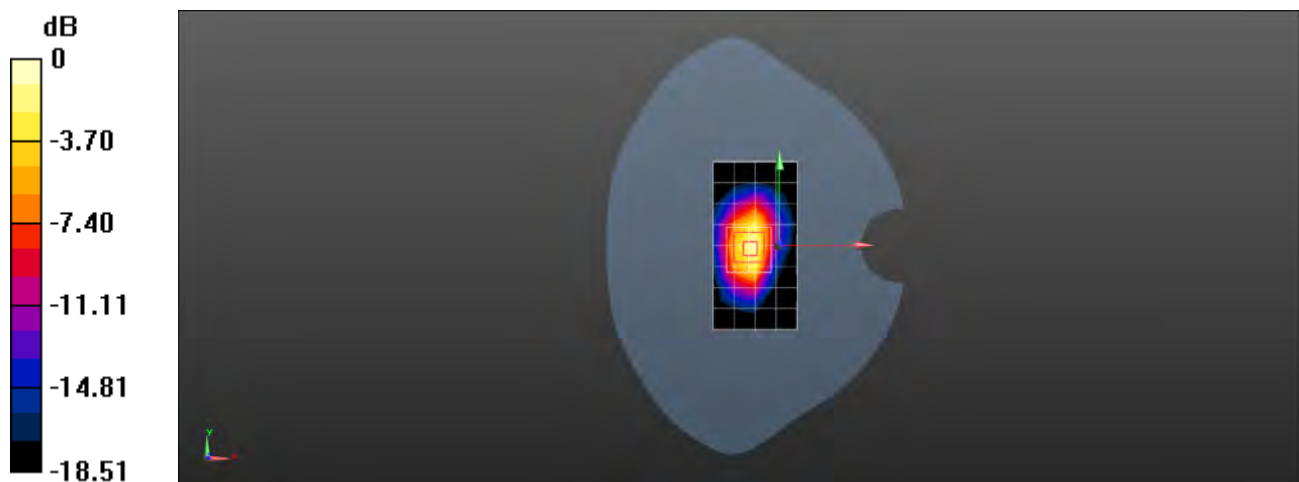
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.87 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.954 W/kg

**SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.280 W/kg**

Maximum value of SAR (measured) = 0.773 W/kg



0 dB = 0.773 W/kg = -1.12 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM1900 GPRS 2TS 661CH Back side 0mm Sensor on with Battery 2 Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:4.14954

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- 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 (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 4.49 W/kg

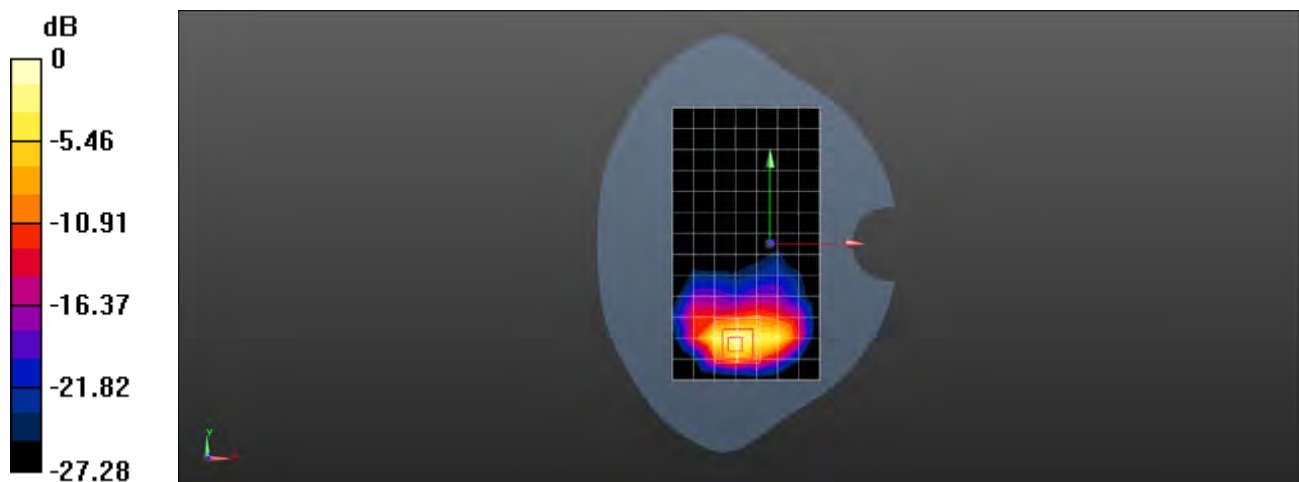
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.723 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.92 W/kg

**SAR(1 g) = 3.47 W/kg; SAR(10 g) = 1.43 W/kg**

Maximum value of SAR (measured) = 5.55 W/kg



0 dB = 5.55 W/kg = 7.44 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM1900 661CH Right tilted Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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;  $\sigma = 1.391$  S/m;  $\epsilon_r = 40.662$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.26, 8.26, 8.26); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.202 W/kg

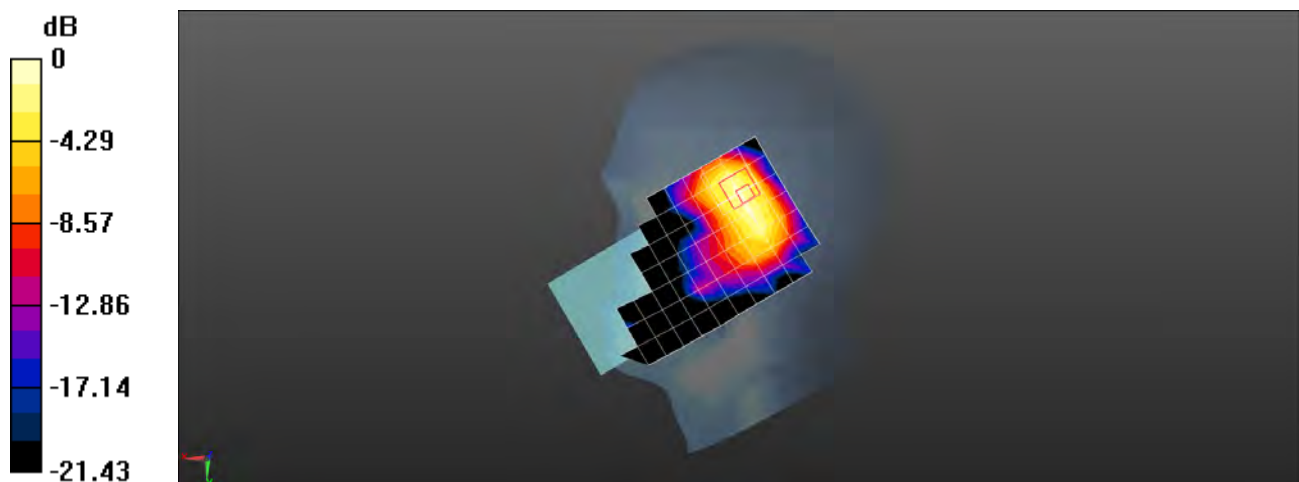
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.65 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.335 W/kg

**SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.079 W/kg**

Maximum value of SAR (measured) = 0.247 W/kg



0 dB = 0.247 W/kg = -6.07 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM1900 661CH Back side 15mm with Battery 2 Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

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;  $\sigma = 1.505$  S/m;  $\epsilon_r = 53.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0341 W/kg

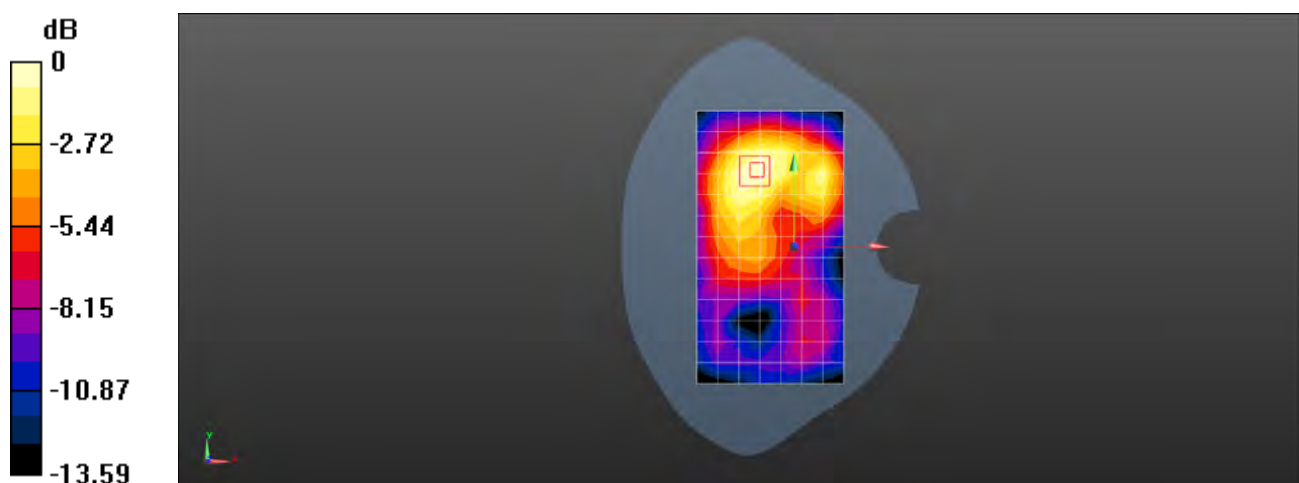
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.372 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0430 W/kg

**SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.018 W/kg**

Maximum value of SAR (measured) = 0.0356 W/kg



0 dB = 0.0356 W/kg = -14.49 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 GSM1900 GPRS 2TS 661CH Top side 10mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000074**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:4.14954

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 53.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.140 W/kg

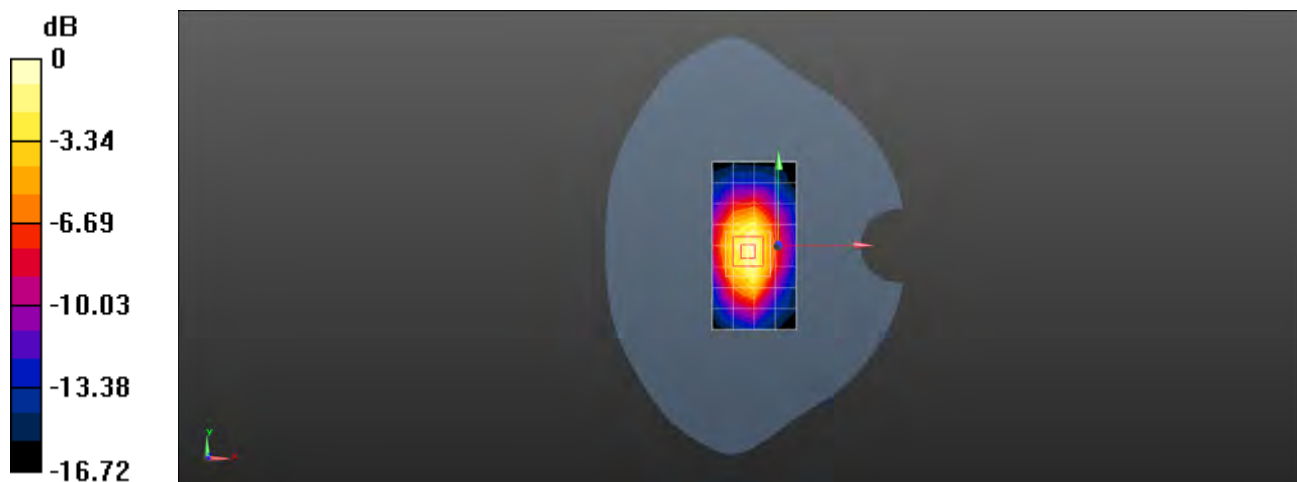
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.753 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.198 W/kg

**SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.161 W/kg = -7.93 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band V 4182CH Right cheek Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: HSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.909$  S/m;  $\epsilon_r = 41.493$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.96, 9.96, 9.96); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.175 W/kg

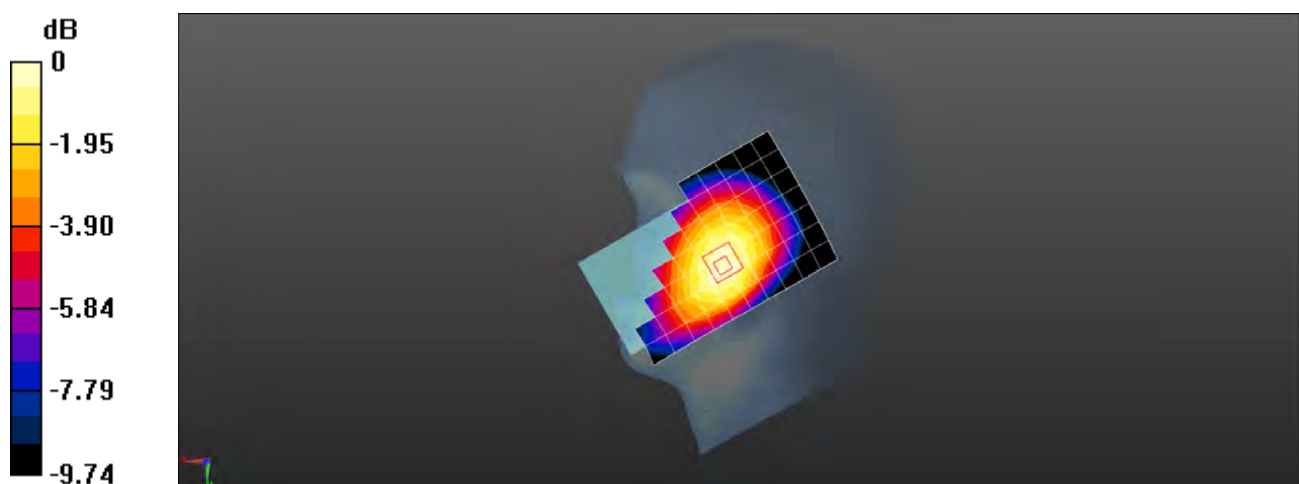
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.817 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.192 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.120 W/kg**

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg = -7.54 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 WCDMA Band V 4182CH Back side 15mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.297 W/kg

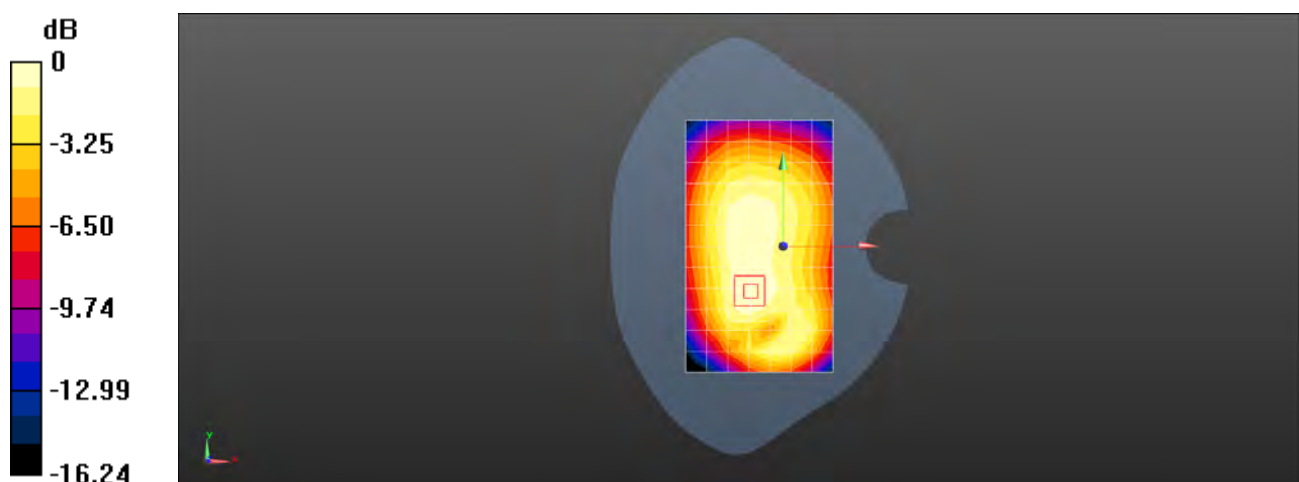
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.39 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.338 W/kg

**SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.187 W/kg**

Maximum value of SAR (measured) = 0.301 W/kg



0 dB = 0.301 W/kg = -5.21 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band V 4182CH Back side 10mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.532 W/kg

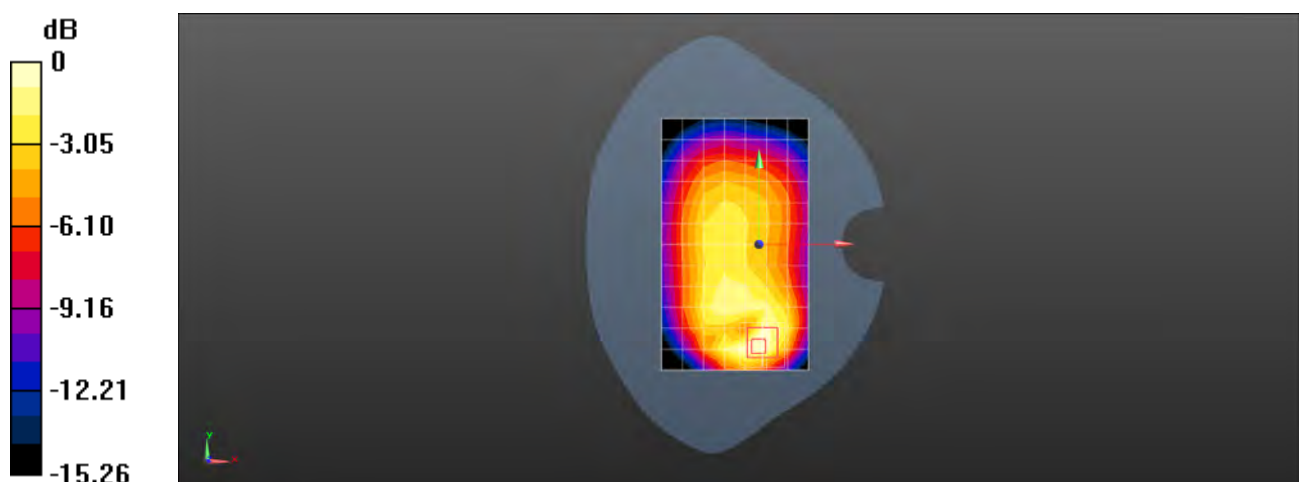
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.64 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.694 W/kg

**SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.230 W/kg**

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



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

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band V 4182CH Left tilted Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.96, 9.96, 9.96); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.507 W/kg

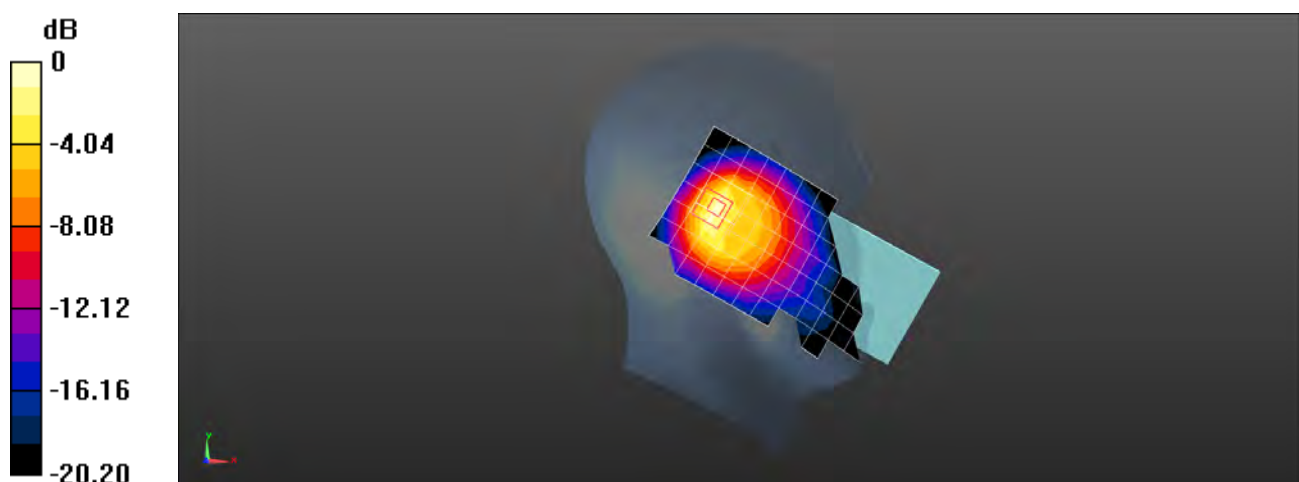
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.85 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.766 W/kg

**SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.175 W/kg**

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



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

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band V 4182CH Back side 15mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 1.003$  S/m;  $\epsilon_r = 56.427$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.108 W/kg

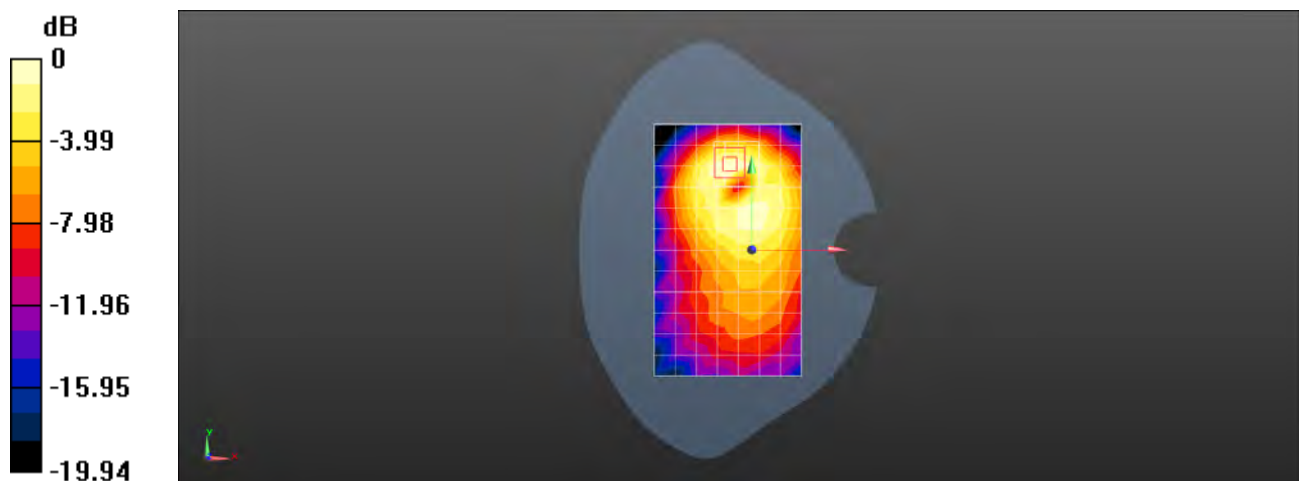
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.035 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.160 W/kg

**SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.049 W/kg**

Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.120 W/kg = -9.21 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band V 4182CH Back side 10mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 1.003$  S/m;  $\epsilon_r = 56.427$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.228 W/kg

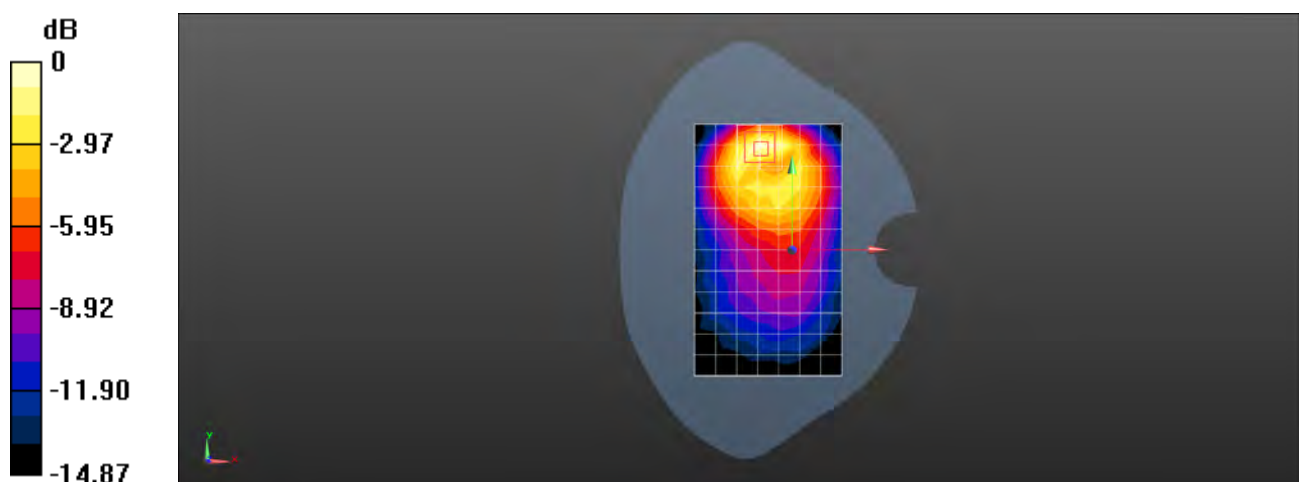
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.468 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.320 W/kg

**SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 0.241 W/kg



0 dB = 0.241 W/kg = -6.18 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA IV 1412Ch Left cheek with SIM2 Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000062**

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

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

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (7x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.118 W/kg

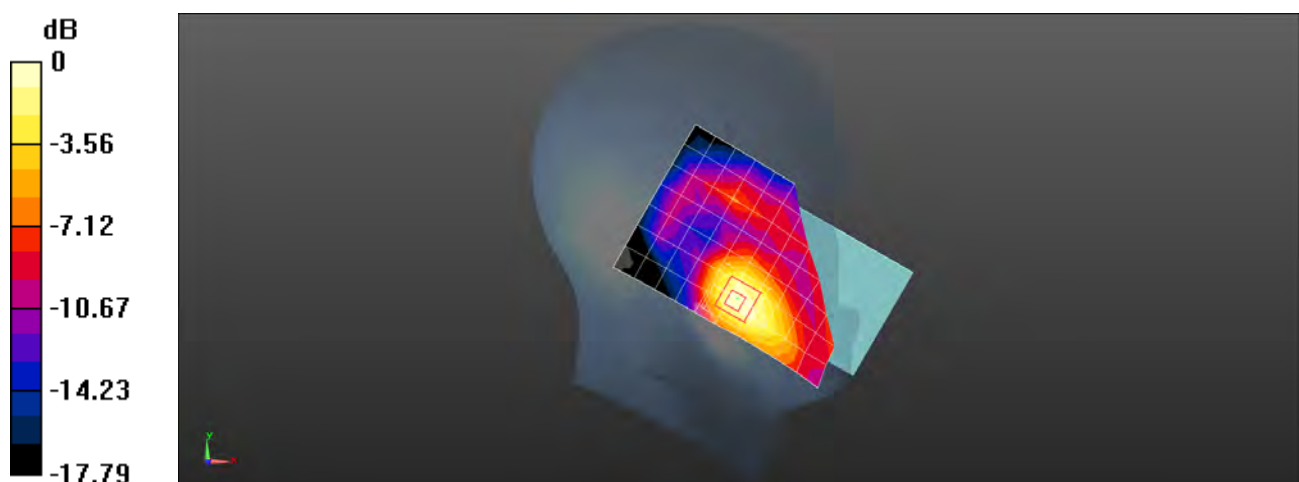
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.833 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.058 W/kg**

Maximum value of SAR (measured) = 0.121 W/kg



0 dB = 0.121 W/kg = -9.17 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA IV 1513Ch Back side 15mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000062**

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

Medium: MSL1750; Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.55$  S/m;  $\epsilon_r = 53.123$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017-08-24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-11-28
- Phantom: ELI v5.0 Left ; Type: ELI V5.0 ; Serial: TP:1239
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Back/Area Scan (7x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.787 W/kg

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

Reference Value = 4.591 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.400 W/kg**

Maximum value of SAR (measured) = 0.970 W/kg



0 dB = 0.970 W/kg = -0.13 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA IV 1412Ch Left side 10mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000062**

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

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.523$  S/m;  $\epsilon_r = 52.974$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017-08-24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-11-28
- Phantom: ELI v5.0 Left ; Type: ELI V5.0 ; Serial: TP:1239
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (4x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.275 W/kg

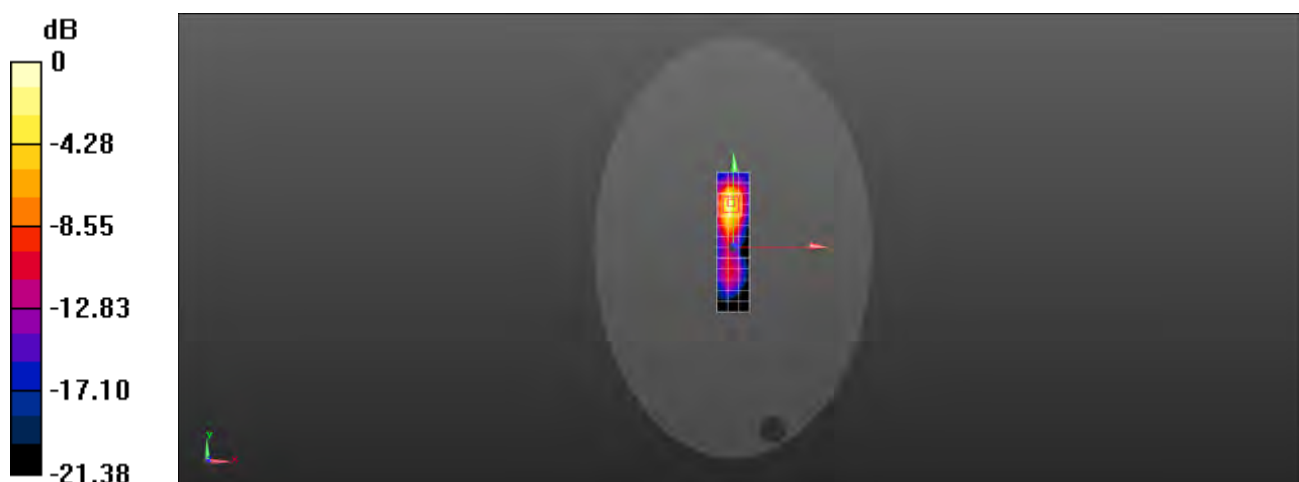
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.272 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.502 W/kg

**SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.103 W/kg**

Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg = -4.63 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA IV 1513Ch Back side 0mm With Battery2 Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000109**

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

Medium: MSL1750; Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.55$  S/m;  $\epsilon_r = 53.123$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017-08-24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-11-28
- Phantom: ELI v5.0 Left ; Type: ELI V5.0 ; Serial: TP:1239
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (7x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 3.72 W/kg

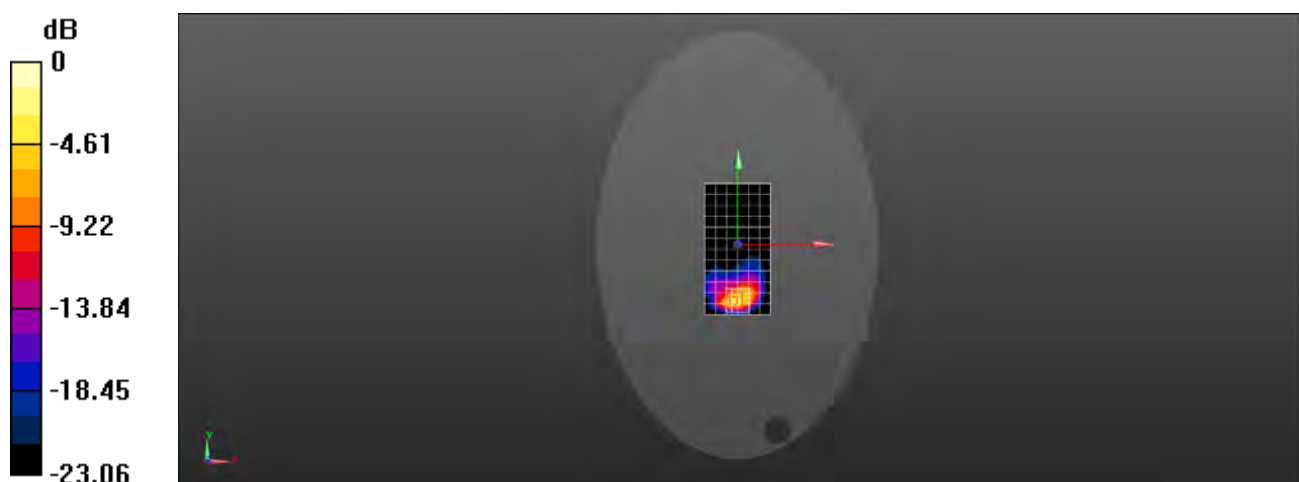
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.188 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 9.15 W/kg

**SAR(1 g) = 4.13 W/kg; SAR(10 g) = 1.77 W/kg**

Maximum value of SAR (measured) = 7.21 W/kg



0 dB = 7.21 W/kg = 8.58 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA IV 1412Ch Right cheek with SIM2 Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000062**

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

Medium: HSL1750; Medium parameters used:  $f = 1732.4$  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 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (7x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.622 W/kg

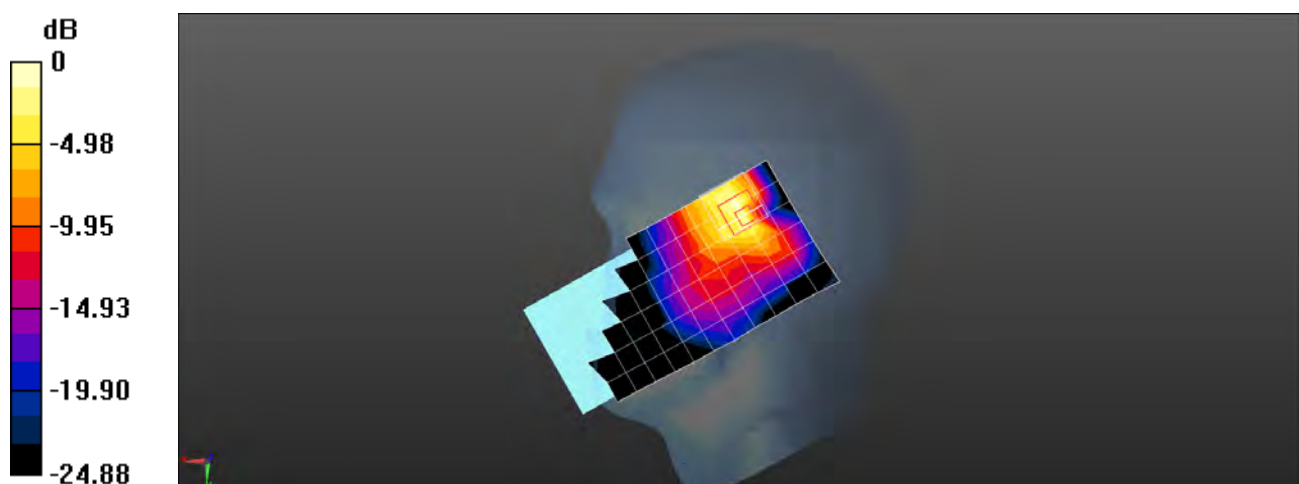
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.64 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.229 W/kg**

Maximum value of SAR (measured) = 0.774 W/kg



0 dB = 0.774 W/kg = -1.11 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA IV 1412Ch Back side 15mm with Battery 2 Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000109**

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

Medium: MSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.523$  S/m;  $\epsilon_r = 52.974$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017-08-24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-11-28
- Phantom: ELI v5.0 Left ; Type: ELI V5.0 ; Serial: TP:1239
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0886 W/kg

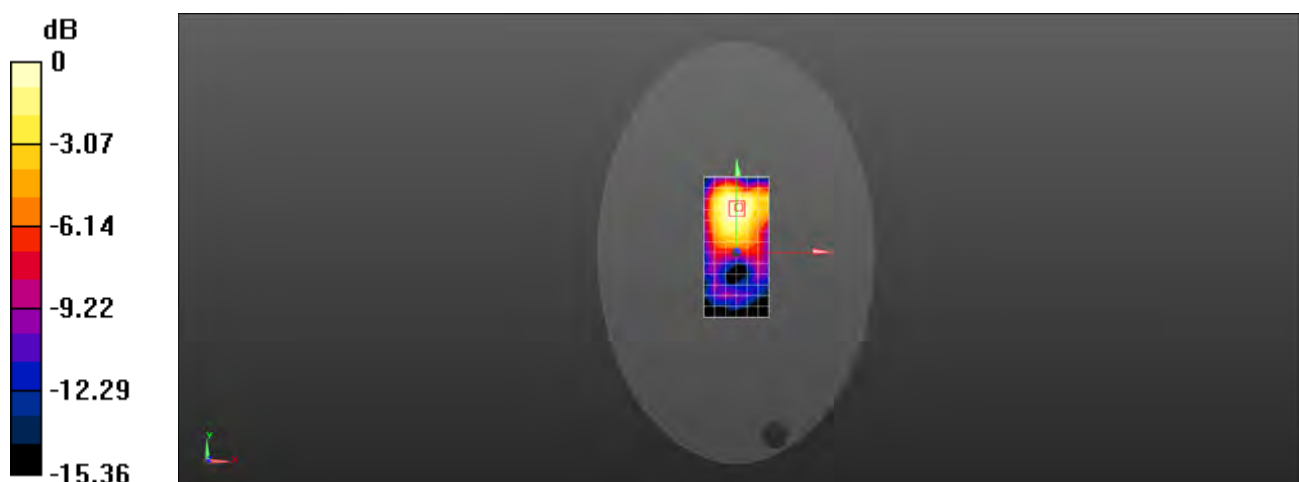
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.376 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.107 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.0897 W/kg



0 dB = 0.0897 W/kg = -10.47 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA IV 1513Ch Bottom side 10mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000062**

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

Medium: MSL1750; Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.55$  S/m;  $\epsilon_r = 53.123$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017-08-24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-11-28
- Phantom: ELI v5.0 Left ; Type: ELI V5.0 ; Serial: TP:1239
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.11 W/kg

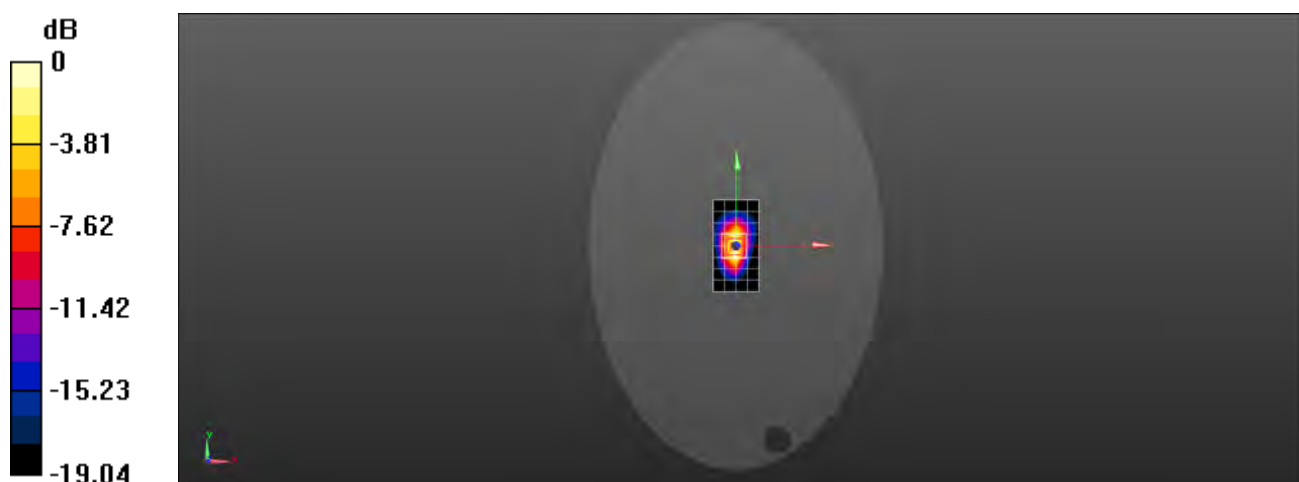
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 24.14 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.814 W/kg; SAR(10 g) = 0.409 W/kg**

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band II 9400CH Left cheek Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.431$  S/m;  $\epsilon_r = 38.544$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.35, 7.35, 7.35); Calibrated: 2018-02-08;
- 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/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.128 W/kg

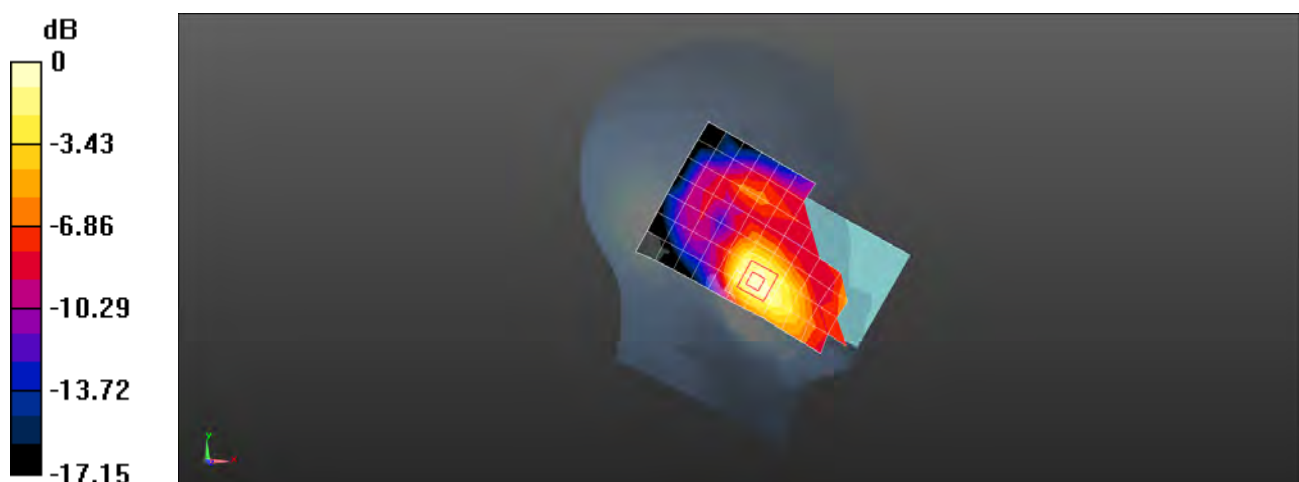
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.484 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.171 W/kg

**SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.071 W/kg**

Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.141 W/kg = -8.51 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band II 9400CH Back side 15mm with SIM2 Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.875 W/kg

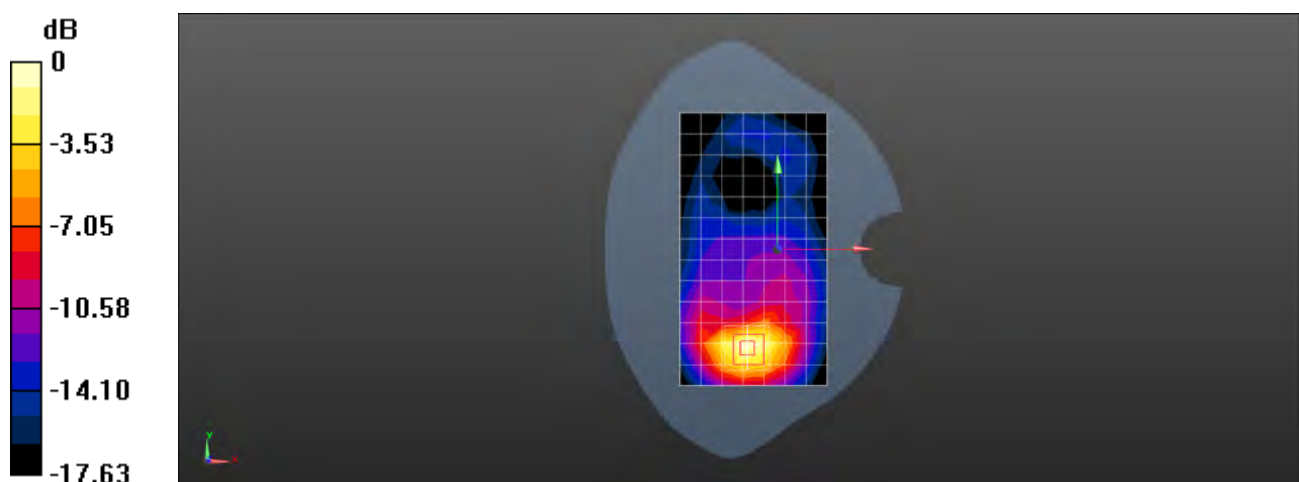
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.886 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.391 W/kg**

Maximum value of SAR (measured) = 0.925 W/kg



0 dB = 0.925 W/kg = -0.34 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band II 9400CH Bottom side 10mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- 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) = 0.592 W/kg

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

Reference Value = 14.74 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.592 W/kg; SAR(10 g) = 0.304 W/kg**

Maximum value of SAR (measured) = 0.829 W/kg



0 dB = 0.829 W/kg = -0.81 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29WCDMA Band II 9262CH Back side 0mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL1900; Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 53.607$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- 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 (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 5.87 W/kg

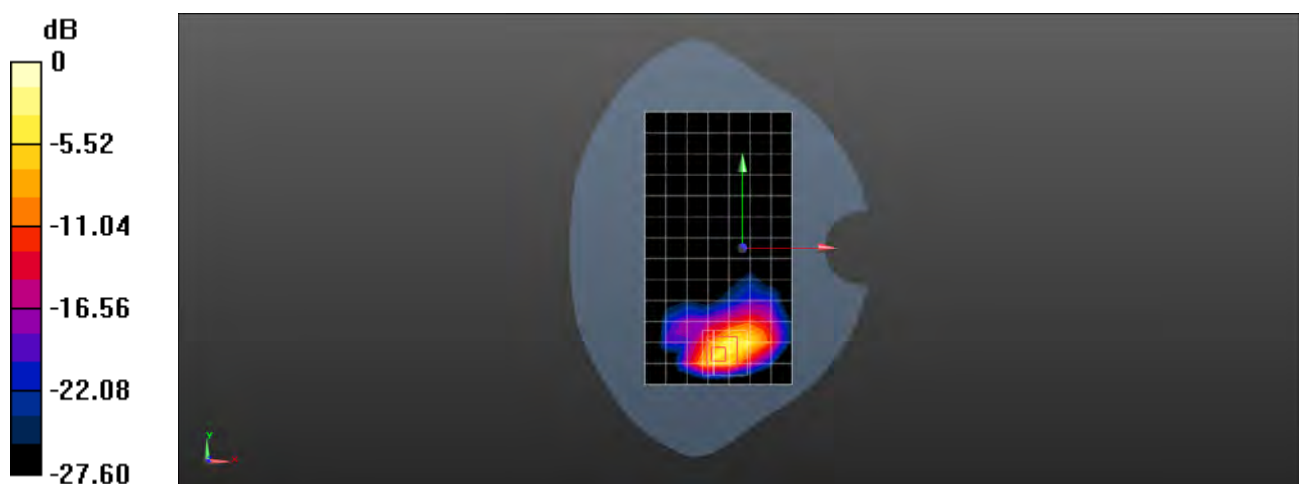
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.441 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.10 W/kg

**SAR(1 g) = 3.91 W/kg; SAR(10 g) = 1.66 W/kg**

Maximum value of SAR (measured) = 6.56 W/kg



0 dB = 6.56 W/kg = 8.17 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WCDMA Band II 9400CH Right cheek with Battery 2 Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.391$  S/m;  $\epsilon_r = 40.662$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.26, 8.26, 8.26); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); 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

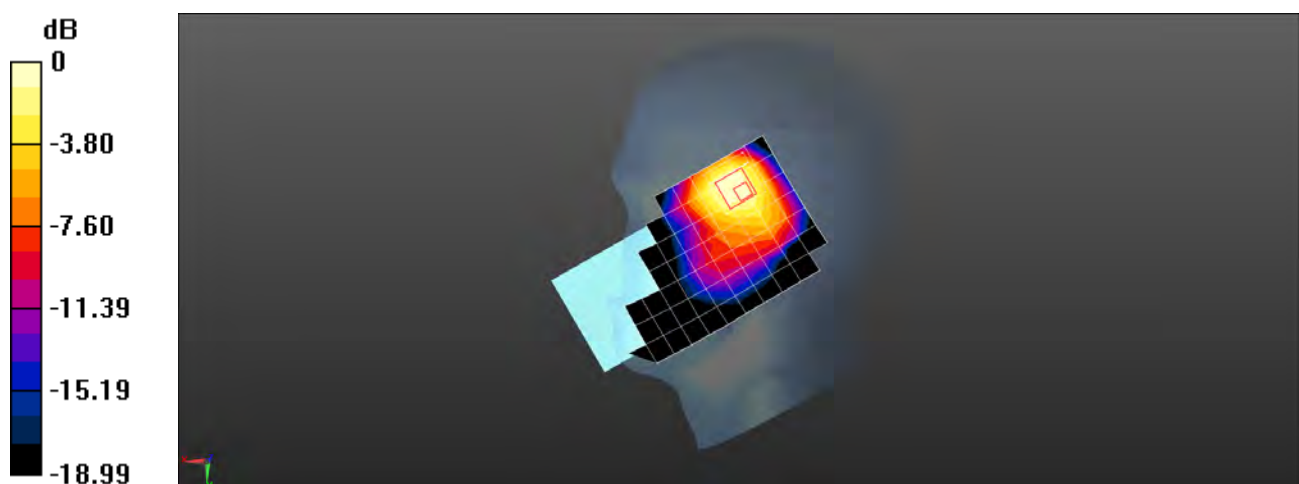
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.11 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.798 W/kg

**SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.235 W/kg**

Maximum value of SAR (measured) = 0.577 W/kg



0 dB = 0.577 W/kg = -2.39 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29WCDMA Band II 9400CH Back side 15mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 53.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.163 W/kg

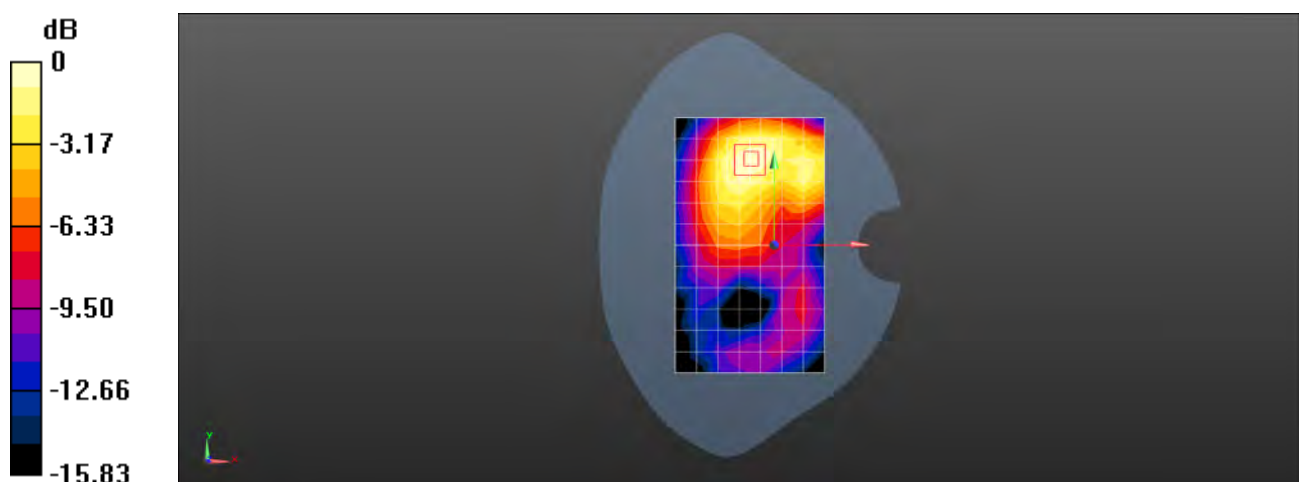
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.961 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.200 W/kg

**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.169 W/kg



0 dB = 0.169 W/kg = -7.72 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29WCDMA Band II 9400CH Top side 10mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 53.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.236 W/kg

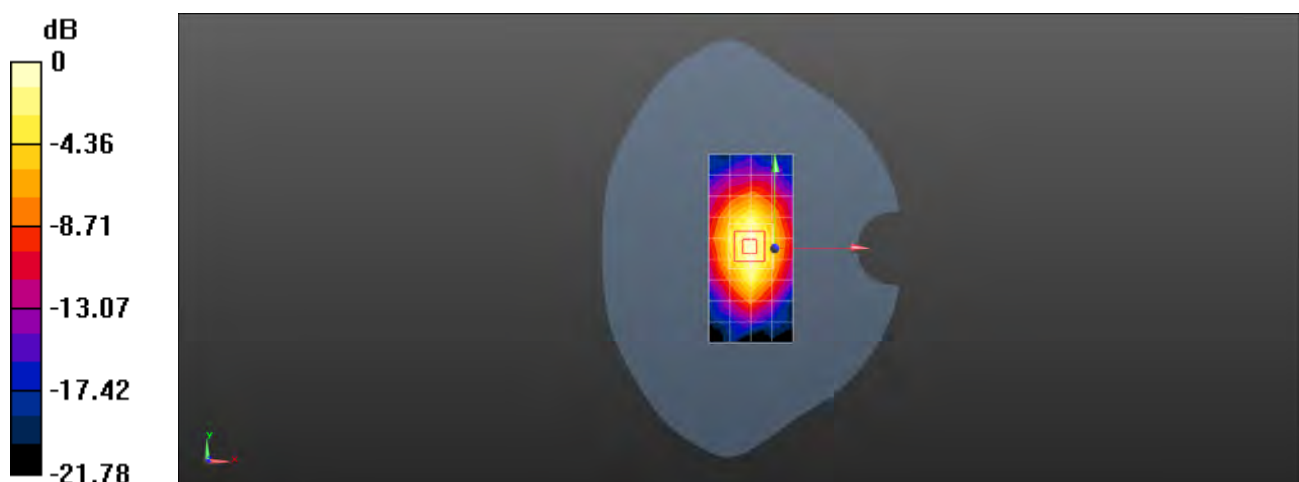
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.55 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.294 W/kg

**SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.102 W/kg**

Maximum value of SAR (measured) = 0.242 W/kg



0 dB = 0.242 W/kg = -6.16 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 2 20MHz bandwidth QPSK 1RB99 19100CH Left cheek with Battery 2 Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

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

Medium: HSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.449$  S/m;  $\epsilon_r = 38.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.35, 7.35, 7.35); Calibrated: 2018-02-08;
- 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/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.124 W/kg

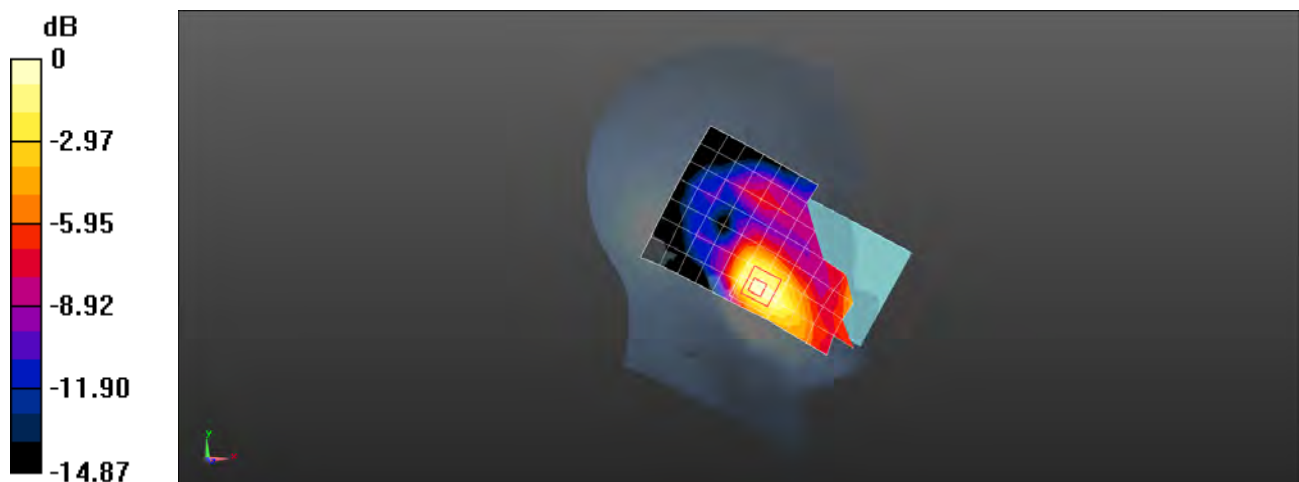
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.878 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.065 W/kg**

Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg = -8.86 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 2 20MHz bandwidth QPSK 1RB99 19100CH Back Side 15mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: MSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.524$  S/m;  $\epsilon_r = 53.48$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.727 W/kg

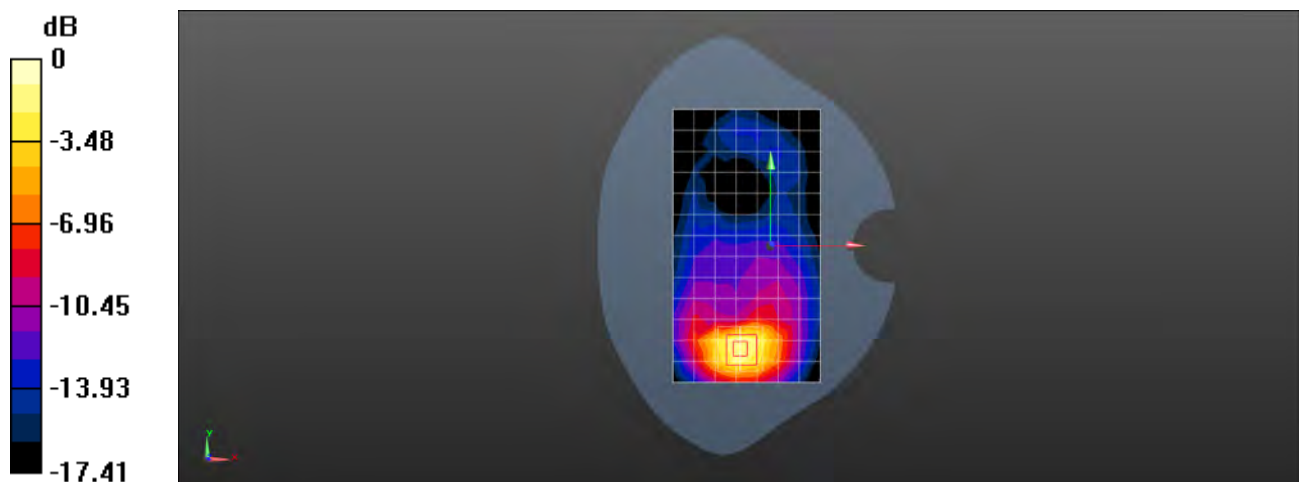
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.678 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.396 W/kg**

Maximum value of SAR (measured) = 0.931 W/kg



0 dB = 0.931 W/kg = -0.31 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 2 20MHz bandwidth QPSK 1RB0 18700CH Bottom side 10mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: MSL1900;Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.521$  S/m;  $\epsilon_r = 53.58$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- 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) = 0.749 W/kg

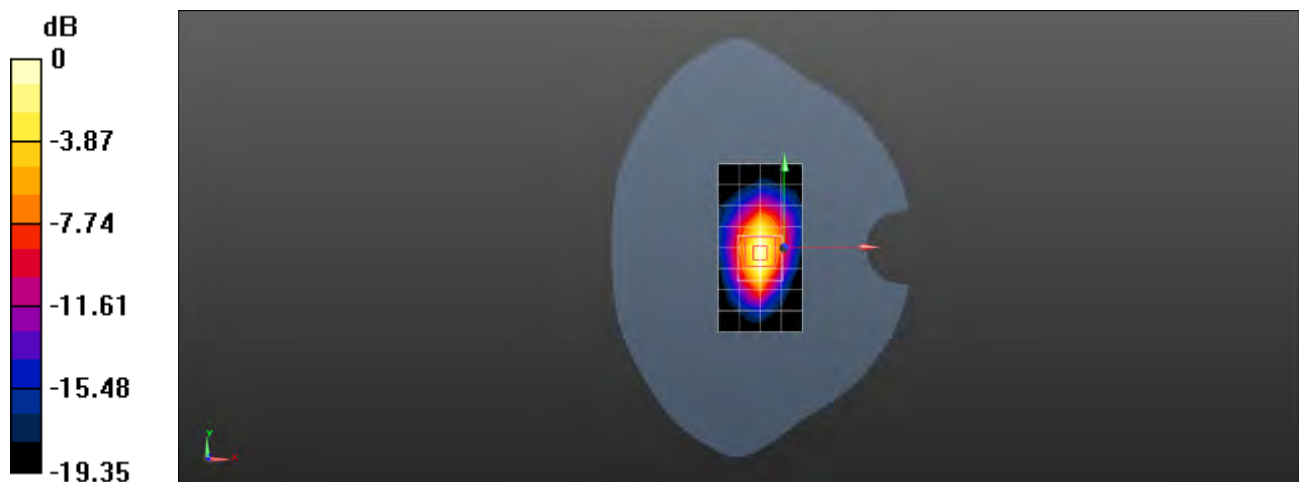
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.31 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.907 W/kg

**SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.283 W/kg**

Maximum value of SAR (measured) = 0.733 W/kg



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

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 2 20MHz bandwidth QPSK 1RB0 Offset 18900CH Back side with Battery 2 0mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL1900;Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- 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 (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 6.53 W/kg

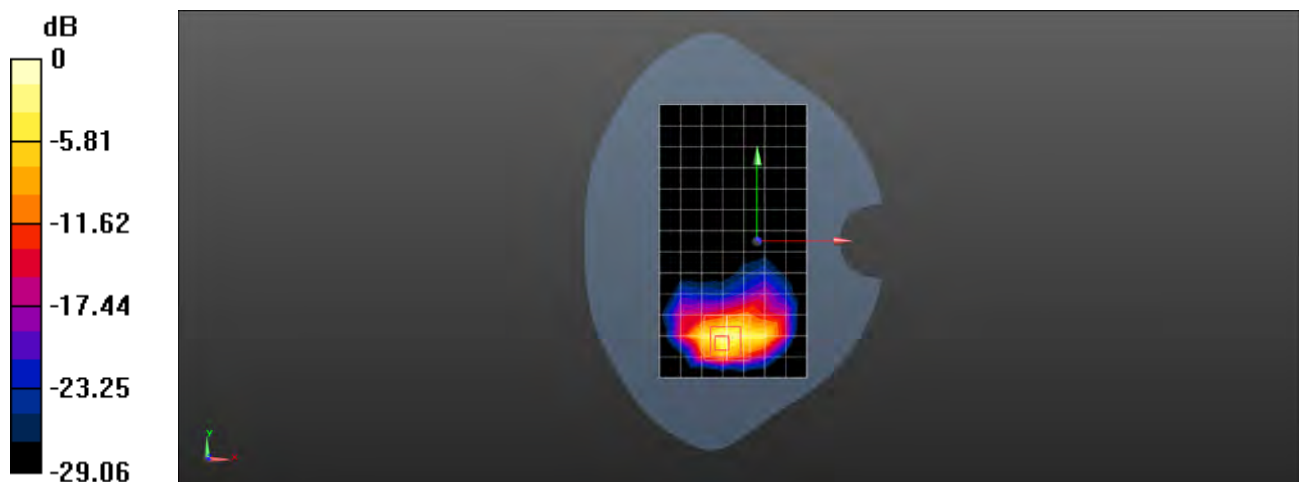
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 0.8320 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 8.95 W/kg

**SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.66 W/kg**

Maximum value of SAR (measured) = 6.82 W/kg



0 dB = 6.82 W/kg = 8.34 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 2 20MHz bandwidth QPSK 50RB0 Offset 18900CH Right tilted Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: HSL1900;Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.391$  S/m;  $\epsilon_r = 40.662$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.26, 8.26, 8.26); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.528 W/kg

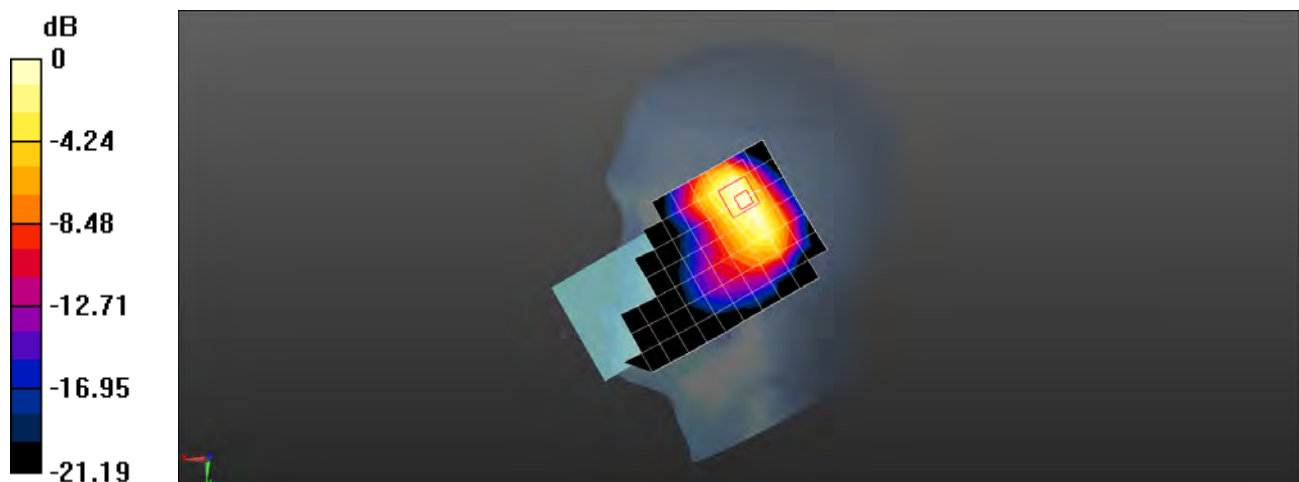
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.85 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.689 W/kg

**SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.188 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

## HMA-L29 LTE Band 2 20MHz bandwidth QPSK 1RB0 Offset 18700CH Back side 15mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL1900;Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 53.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.128 W/kg

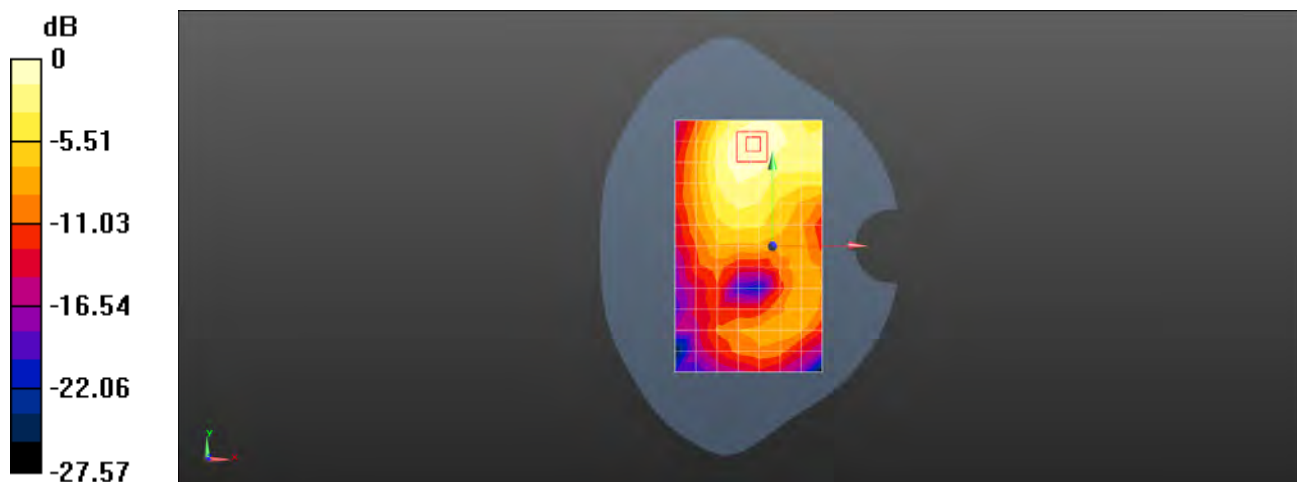
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.525 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.153 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.129 W/kg = -8.89 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 2 20MHz bandwidth QPSK 1RB0 Offset 18700CH Top side 10mm with Battery 2 Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

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

Medium: MSL1900;Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 53.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.245 W/kg

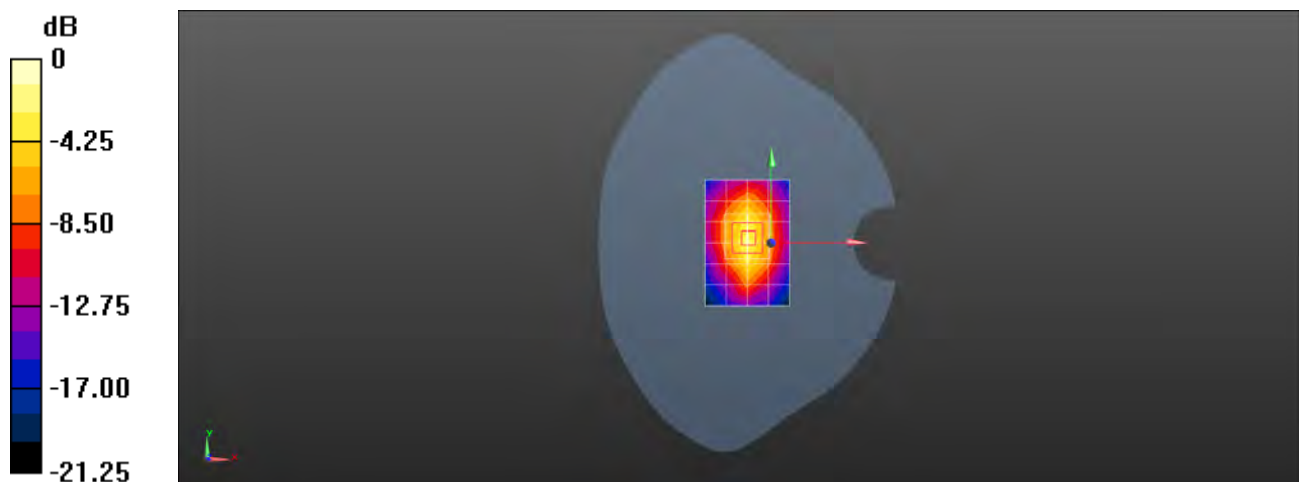
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.49 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.179 W/kg**

Maximum value of SAR (measured) = 0.411 W/kg



0 dB = 0.411 W/kg = -3.86 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 4 20MHz bandwidth QPSK 1RB99 Offset 20175Ch Left cheek Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000062**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.299$  S/m;  $\epsilon_r = 39.115$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (7x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.107 W/kg

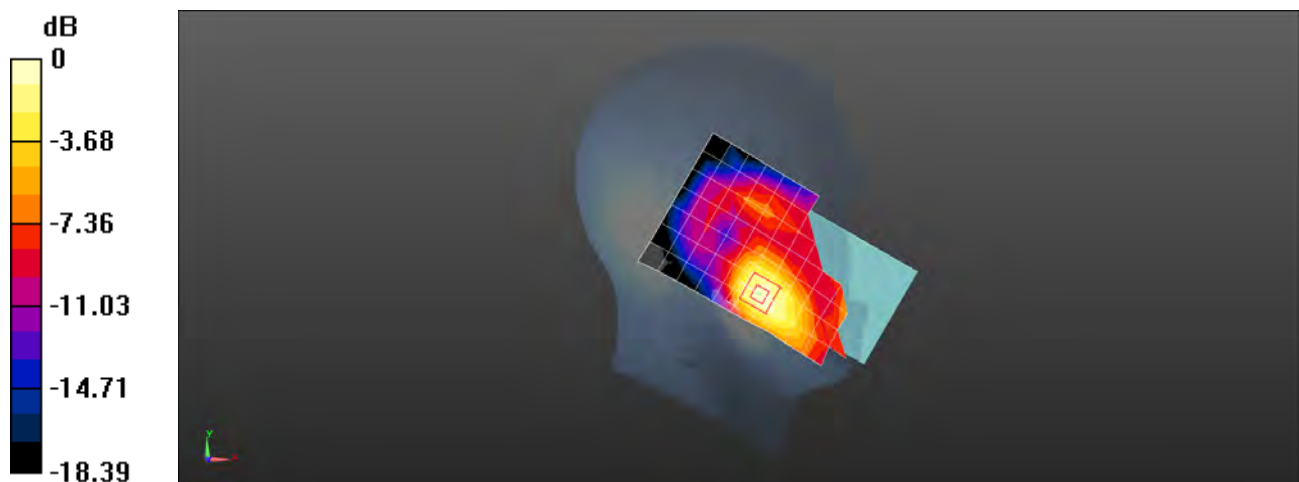
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.469 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.136 W/kg

**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.055 W/kg**

Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.112 W/kg = -9.51 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 4 20MHz bandwidth QPSK 1RB99 Offset 20300Ch Back side 15mm Ant1**

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000062**

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

Medium: MSL1750;Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.538$  S/m;  $\epsilon_r = 53.061$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017-08-24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-11-28
- Phantom: ELI v5.0 Left ; Type: ELI V5.0 ; Serial: TP:1239
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.735 W/kg

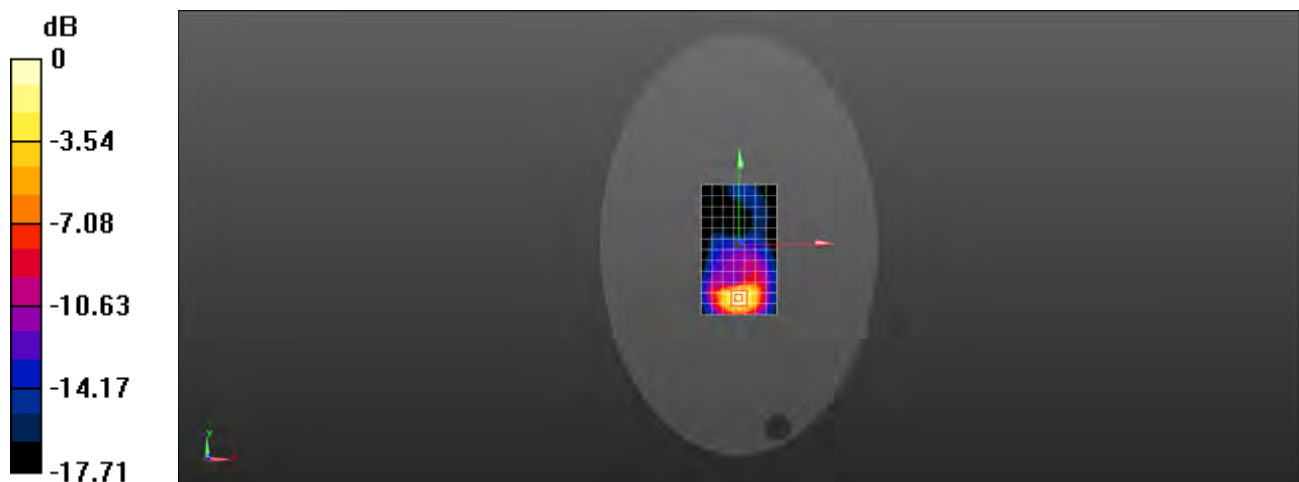
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.125 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.413 W/kg**

Maximum value of SAR (measured) = 0.989 W/kg



0 dB = 0.989 W/kg = -0.05 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 4 20MHz bandwidth QPSK 1RB99 Offset 20300Ch Bottom side 10mm With Battery2 Ant1**

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000109**

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

Medium: MSL1750;Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.538$  S/m;  $\epsilon_r = 53.061$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017-08-24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-11-28
- Phantom: ELI v5.0 Left ; Type: ELI V5.0 ; Serial: TP:1239
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.713 W/kg

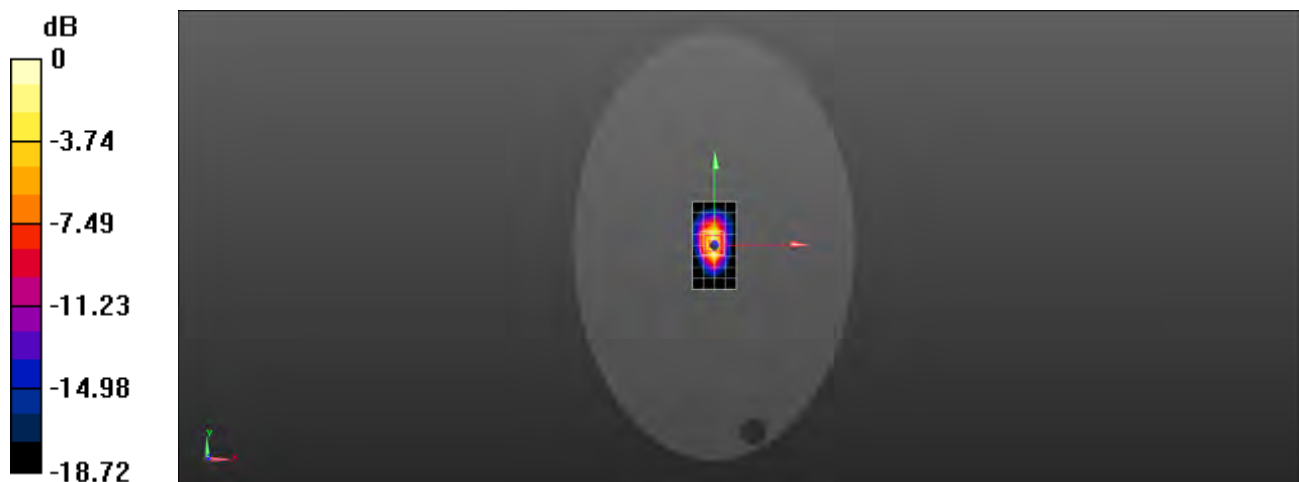
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.99 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.928 W/kg

**SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.264 W/kg**

Maximum value of SAR (measured) = 0.733 W/kg



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

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 4 20MHz bandwidth QPSK 1RB99 Offset 20050Ch Back side 0mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000062**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1720 MHz;Duty Cycle: 1:1

Medium: MSL1750;Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.525$  S/m;  $\epsilon_r = 52.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.79, 8.79, 8.79); Calibrated: 2017-08-24;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1267; Calibrated: 2017-11-28
- Phantom: ELI v5.0 Left ; Type: ELI V5.0 ; Serial: TP:1239
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 4.25 W/kg

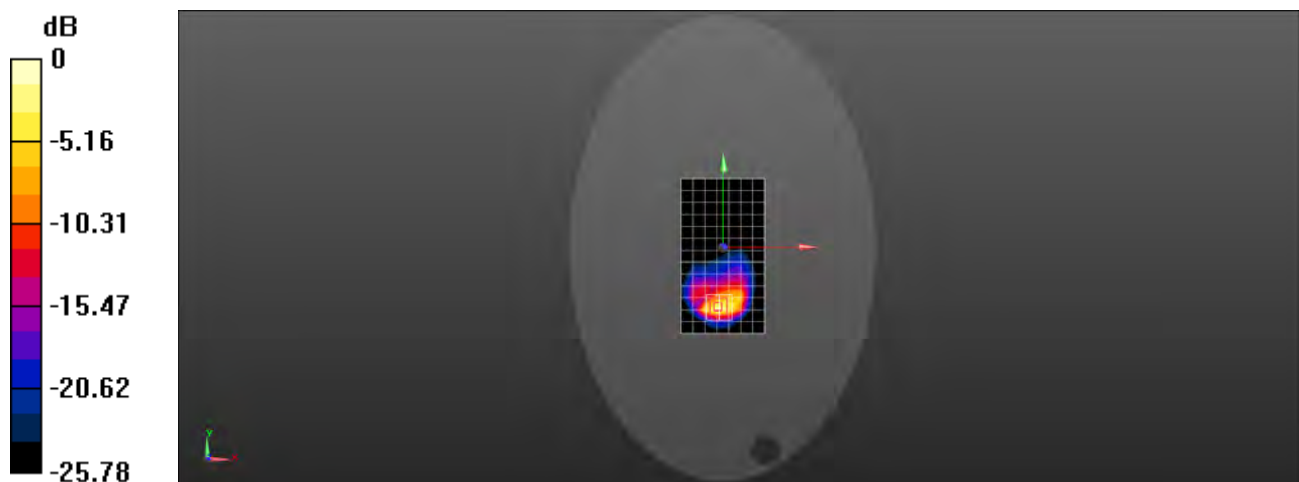
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.754 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 8.03 W/kg

**SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.62 W/kg**

Maximum value of SAR (measured) = 6.01 W/kg



0 dB = 6.01 W/kg = 7.79 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 4 20MHz bandwidth QPSK 50RB50 20175CH Right cheek Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium: HSL1750;Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.312$  S/m;  $\epsilon_r =$

$38.553$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.67, 7.67, 7.67); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- 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

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

Maximum value of SAR (measured) = 0.600 W/kg

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

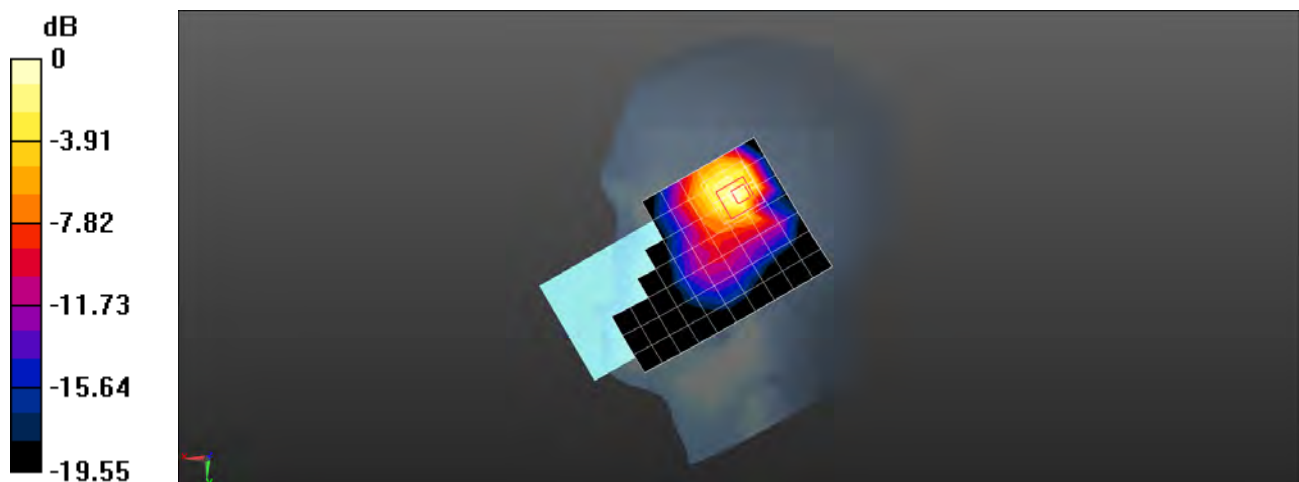
Reference Value = 7.376 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.853 W/kg

**SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.220 W/kg**

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

Maximum value of SAR (measured) = 0.627 W/kg



0 dB = 0.627 W/kg = -2.03 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 4 20MHz bandwidth QPSK 1RB0 20050CH Back side 15mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.395$  S/m;  $\epsilon_r = 51.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.54, 7.54, 7.54); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- 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) = 0.136 W/kg

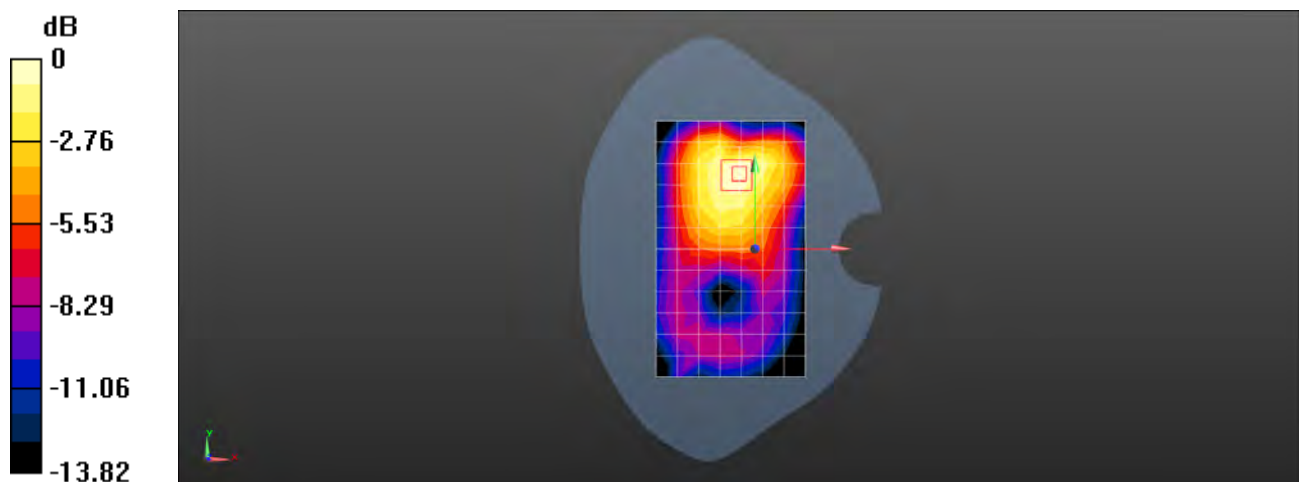
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.534 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.075 W/kg**

Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.151 W/kg = -8.21 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 4 20MHz bandwidth QPSK 1RB0 20050CH Back side 10mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1720 MHz;Duty Cycle: 1:1

Medium: MSL1750;Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.395$  S/m;  $\epsilon_r = 51.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.54, 7.54, 7.54); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- 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) = 0.256 W/kg

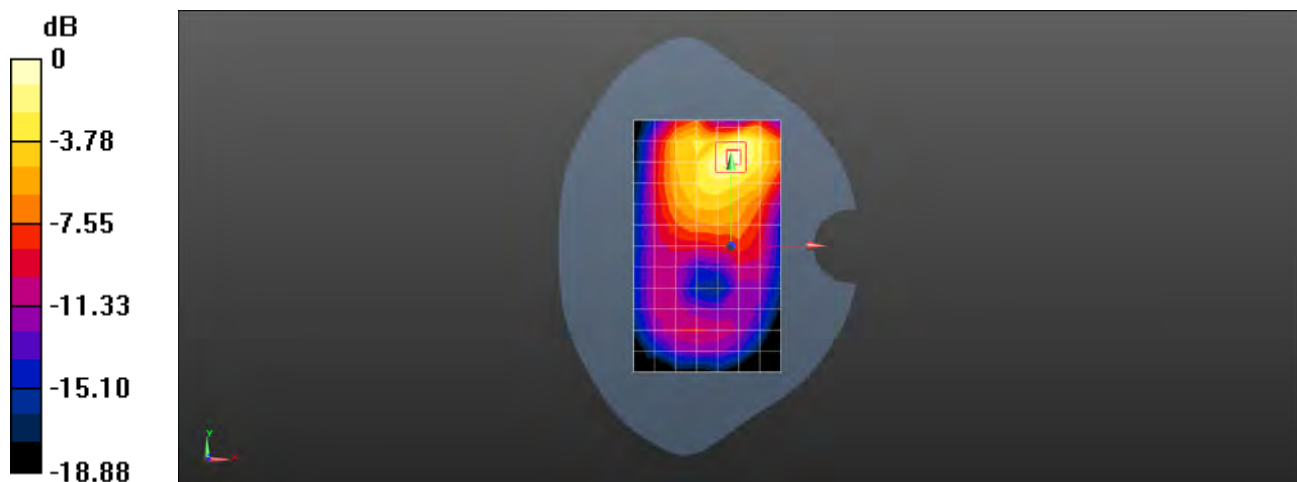
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.737 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.391 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.124 W/kg**

Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg = -5.04 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 5 10MHz bandwidth QPSK 1RB49 Offset 20525CH Right cheek Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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;  $\sigma = 0.909$  S/m;  $\epsilon_r =$

41.493;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.96, 9.96, 9.96); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.252 W/kg

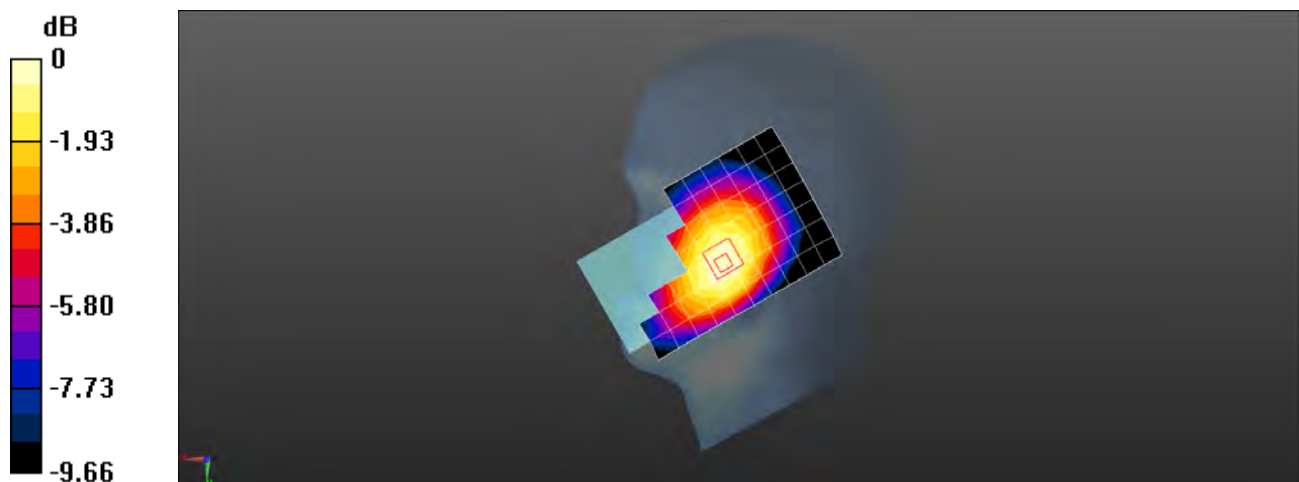
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  
 $dz=5$ mm

Reference Value = 5.584 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.283 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.175 W/kg**

Maximum value of SAR (measured) = 0.256 W/kg



0 dB = 0.256 W/kg = -5.92 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 5 10MHz bandwidth QPSK 1RB49 Offset 20525CH Back side 15mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL835;Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r =$

$53.778$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.337 W/kg

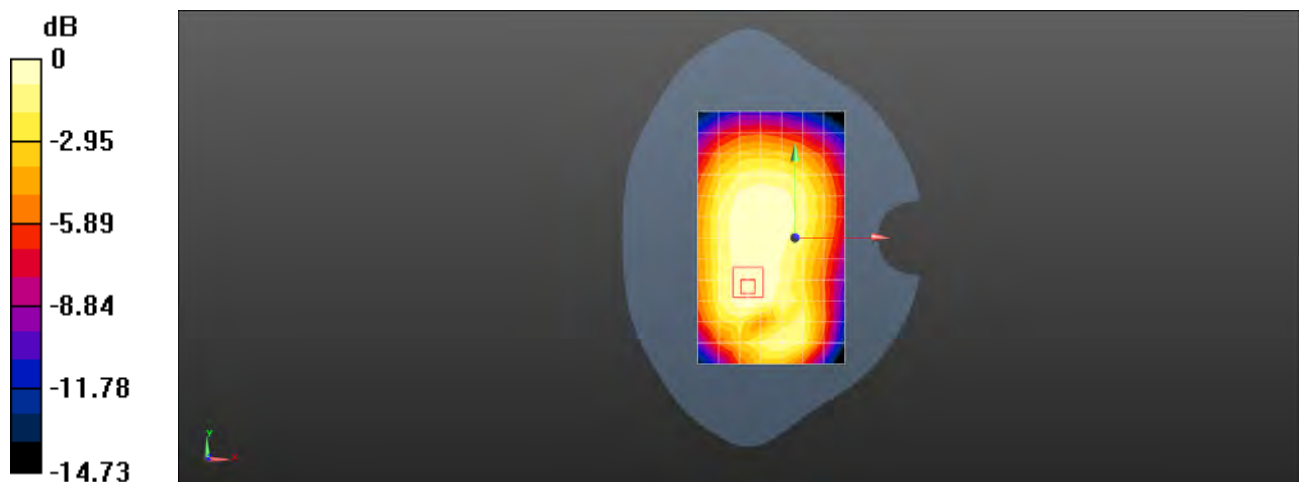
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.74 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.377 W/kg

**SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.206 W/kg**

Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.332 W/kg = -4.79 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 5 10MHz bandwidth QPSK 1RB49 Offset 20525CH Back side 10mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL835;Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r =$

$53.778$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.527 W/kg

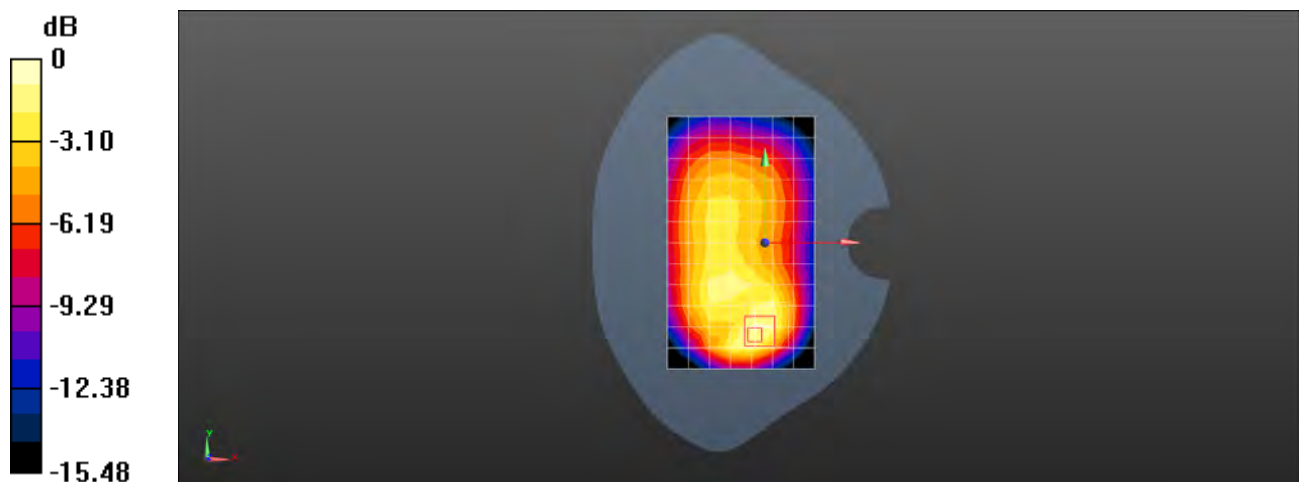
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.59 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.822 W/kg

**SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.272 W/kg**

Maximum value of SAR (measured) = 0.650 W/kg



0 dB = 0.650 W/kg = -1.87 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 5 10MHz bandwidth QPSK 25RB0 Offset 20450CH Left cheek Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 829 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used:  $f = 829$  MHz;  $\sigma = 0.897$  S/m;  $\epsilon_r = 42.038$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.96, 9.96, 9.96); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.542 W/kg

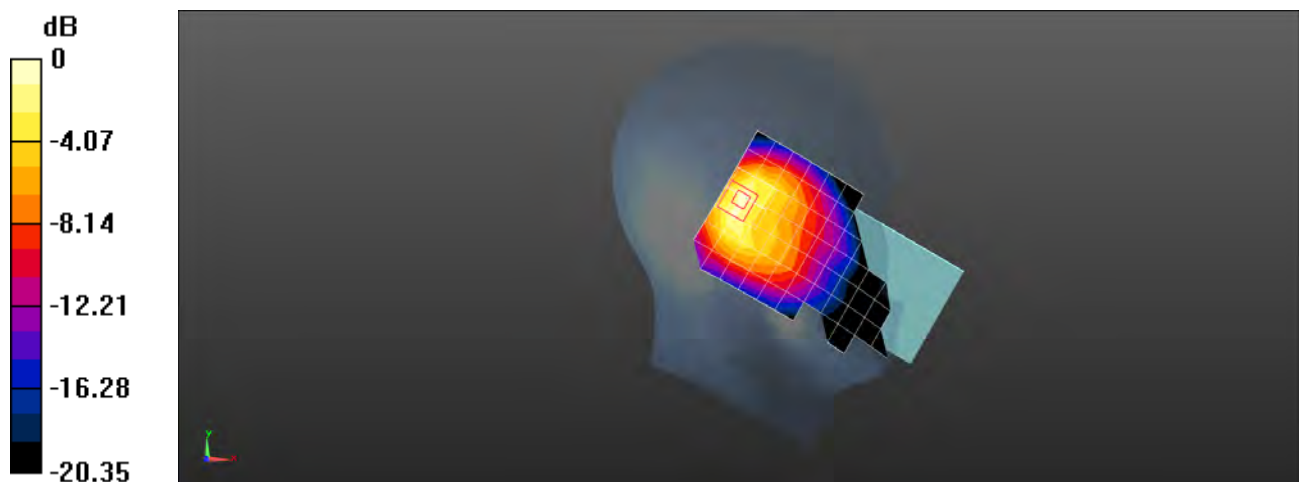
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.64 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.758 W/kg

**SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.183 W/kg**

Maximum value of SAR (measured) = 0.552 W/kg



0 dB = 0.552 W/kg = -2.58 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 5 10MHz bandwidth QPSK 1RB0 Offset 20525CH Front side 15mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r =$

$56.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0840 W/kg

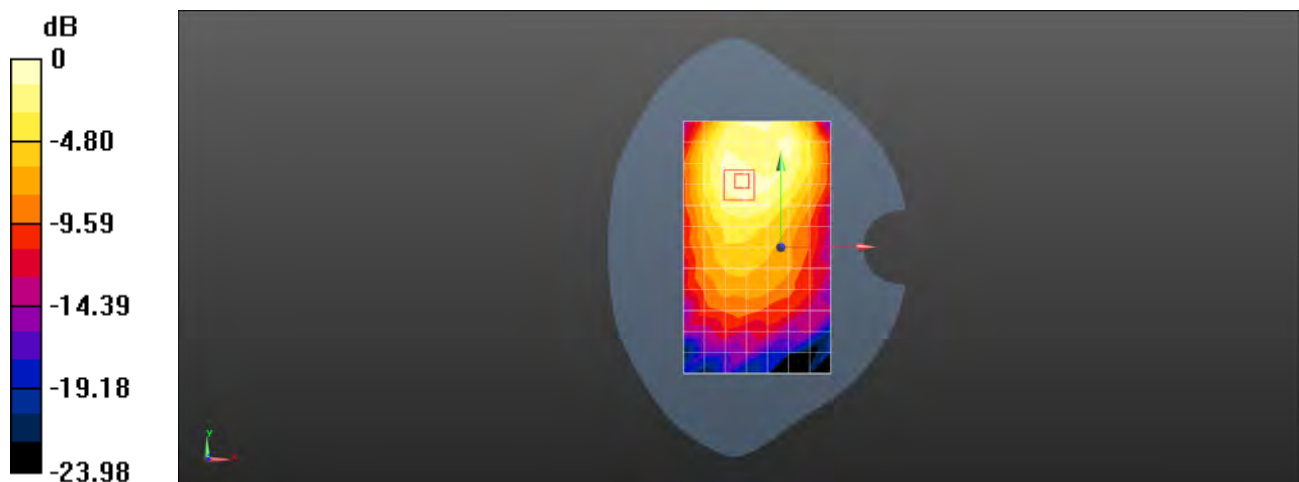
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.710 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.102 W/kg

**SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.0856 W/kg



0 dB = 0.0856 W/kg = -10.68 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 5 10MHz bandwidth QPSK 25RB0 Offset 20525CH Back side 10mm with Battery 2 Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

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

Medium: MSL835; Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r =$

$56.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.231 W/kg

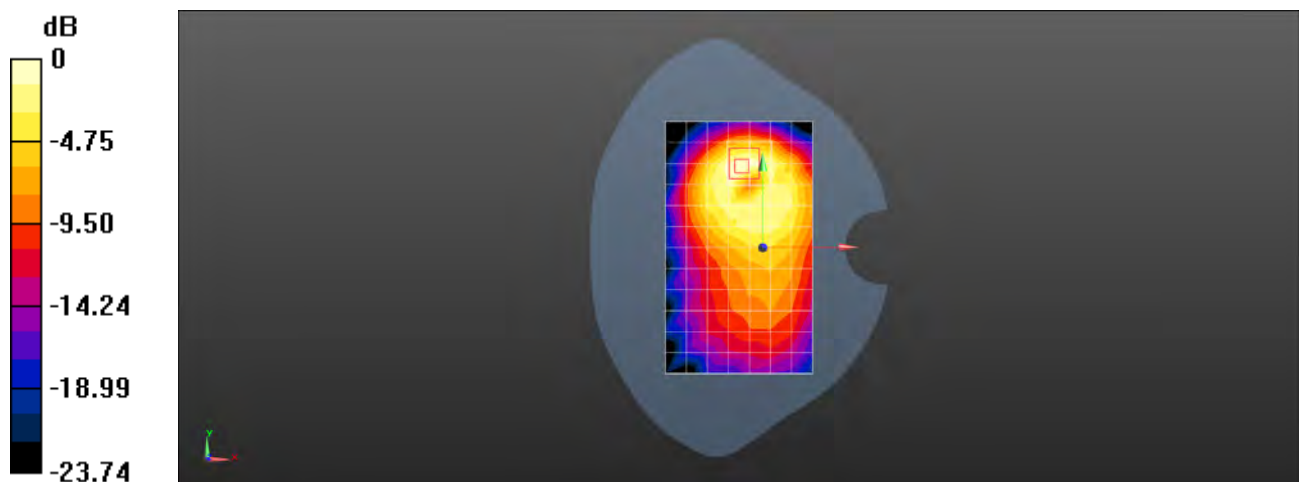
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.046 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.320 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg = -6.04 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 7 20MHz bandwidth QPSK 50RB50 21350CH Left tilted Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: HSL2600; Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.981$  S/m;  $\epsilon_r = 37.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.89, 6.89, 6.89); Calibrated: 2018-02-08;
- 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/Head/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.293 W/kg

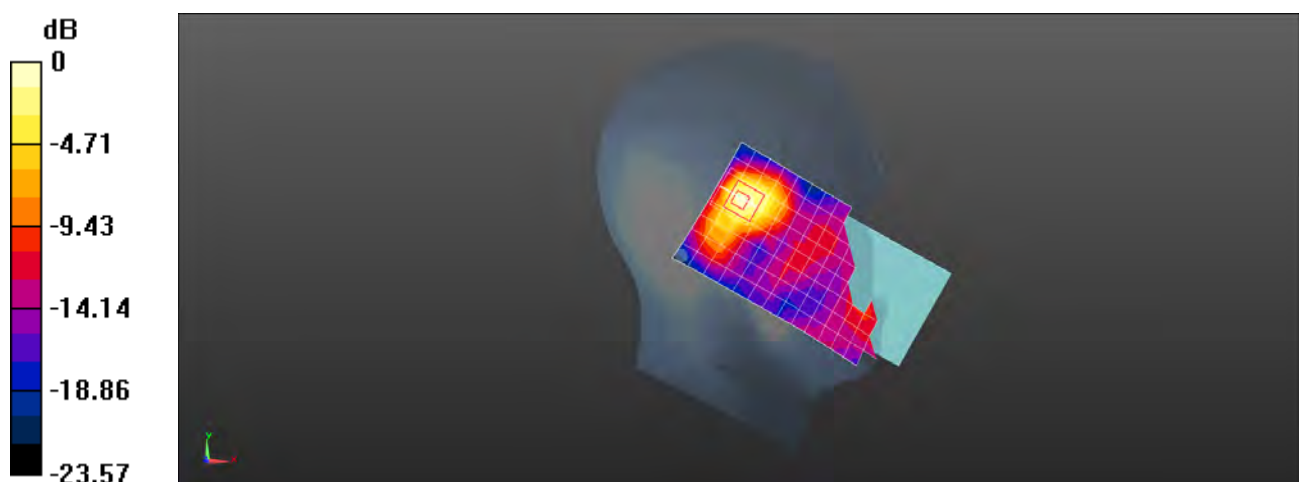
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.780 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.439 W/kg

**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg = -5.24 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 7 20MHz bandwidth QPSK 1RB0 20850CH Front side  
15mm with Battery 2 Ant1**

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2510 MHz;Duty Cycle: 1:1

Medium: MSL2600;Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.089$  S/m;  $\epsilon_r = 52.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.15, 7.15, 7.15); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.572 W/kg

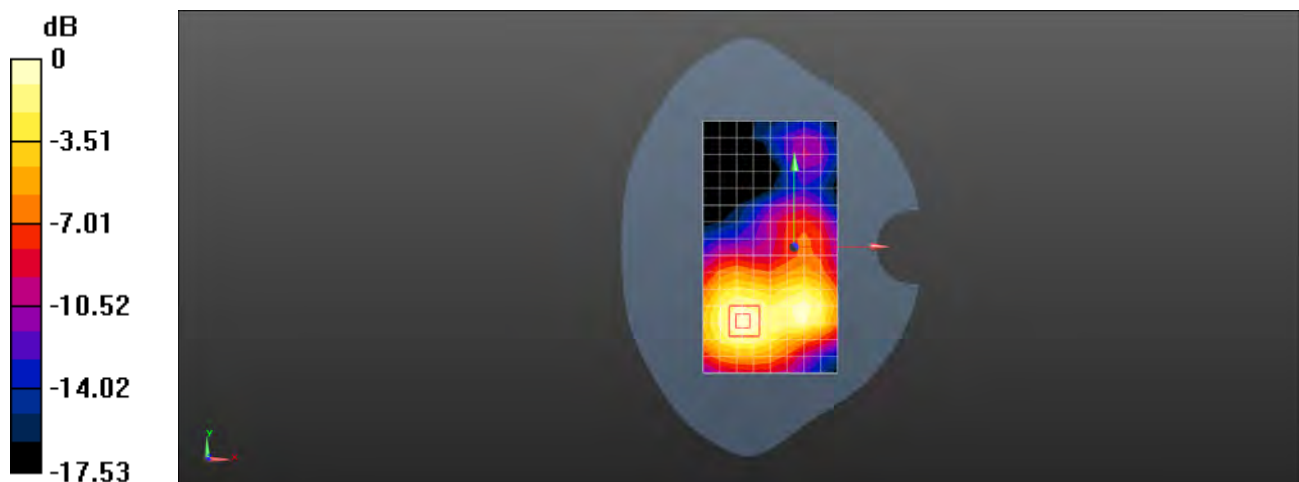
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.824 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.742 W/kg

**SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 0.590 W/kg



0 dB = 0.590 W/kg = -2.29 dBW/kg



Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 7 20MHz bandwidth QPSK 1RB99 21100CH Bottom side 10mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: MSL2600;Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.123$  S/m;  $\epsilon_r = 52.451$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.15, 7.15, 7.15); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.531 W/kg

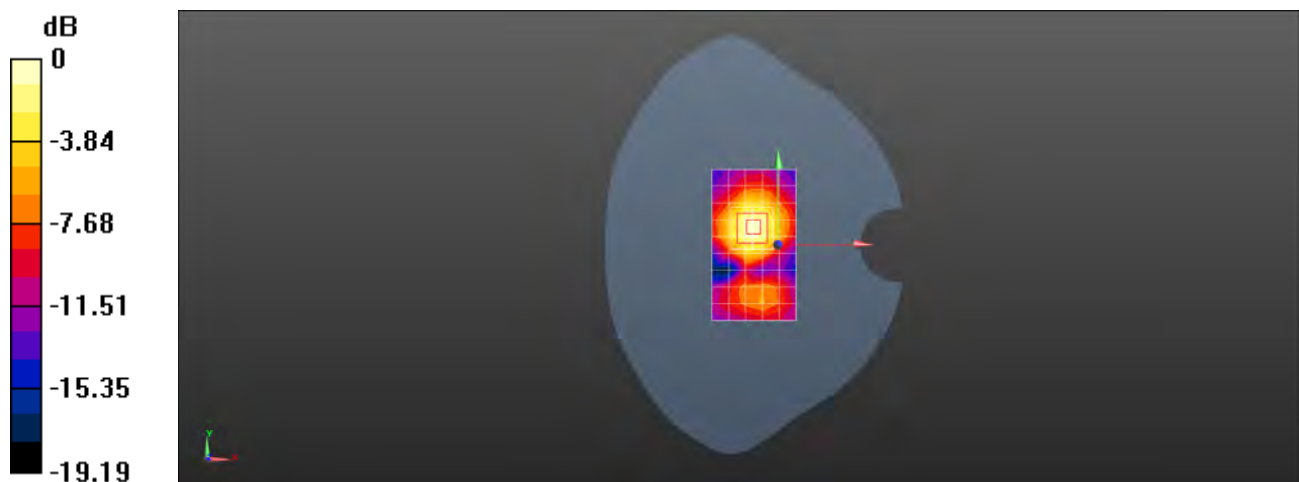
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.66 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.816 W/kg

**SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.240 W/kg**

Maximum value of SAR (measured) = 0.644 W/kg



0 dB = 0.644 W/kg = -1.91 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 7 20MHz bandwidth QPSK 50RB0 20850CH Bottom side  
0mm sensor on with Battery 2 Ant1**

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000075**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2510 MHz;Duty Cycle: 1:1

Medium: MSL2600;Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.045$  S/m;  $\epsilon_r = 52.508$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.15, 7.15, 7.15); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 2.26 W/kg

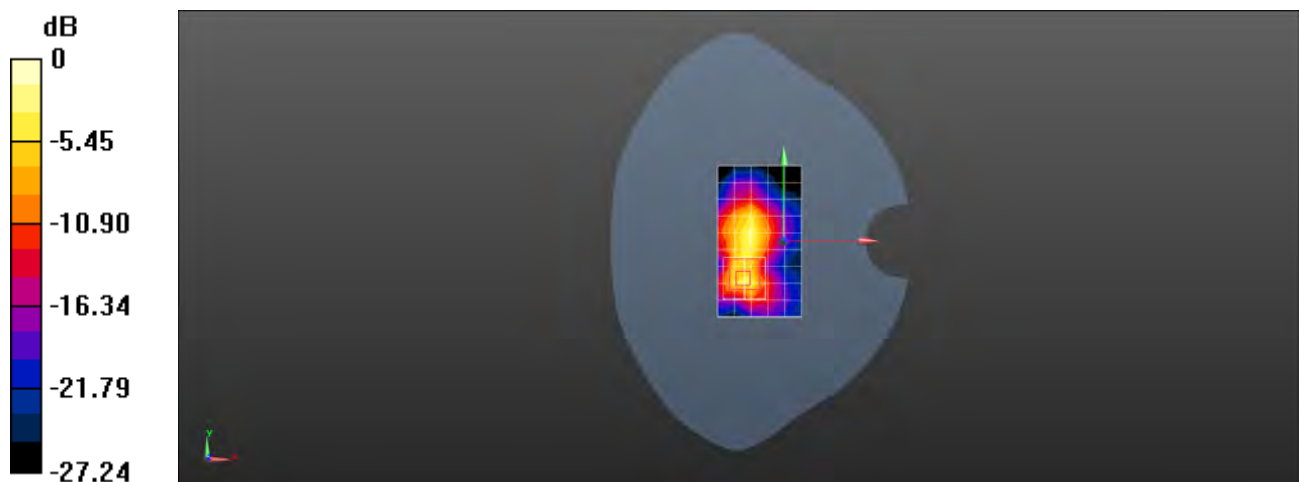
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 24.43 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 7.36 W/kg

**SAR(1 g) = 2.19 W/kg; SAR(10 g) = 0.726 W/kg**

Maximum value of SAR (measured) = 4.25 W/kg



0 dB = 4.25 W/kg = 6.28 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 7 20MHz bandwidth QPSK 50RB50 21350CH Right tilted Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

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

Medium: HSL2600; Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.947$  S/m;  $\epsilon_r = 39.55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.89, 6.89, 6.89); Calibrated: 2018-02-08;
- 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/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.297 W/kg

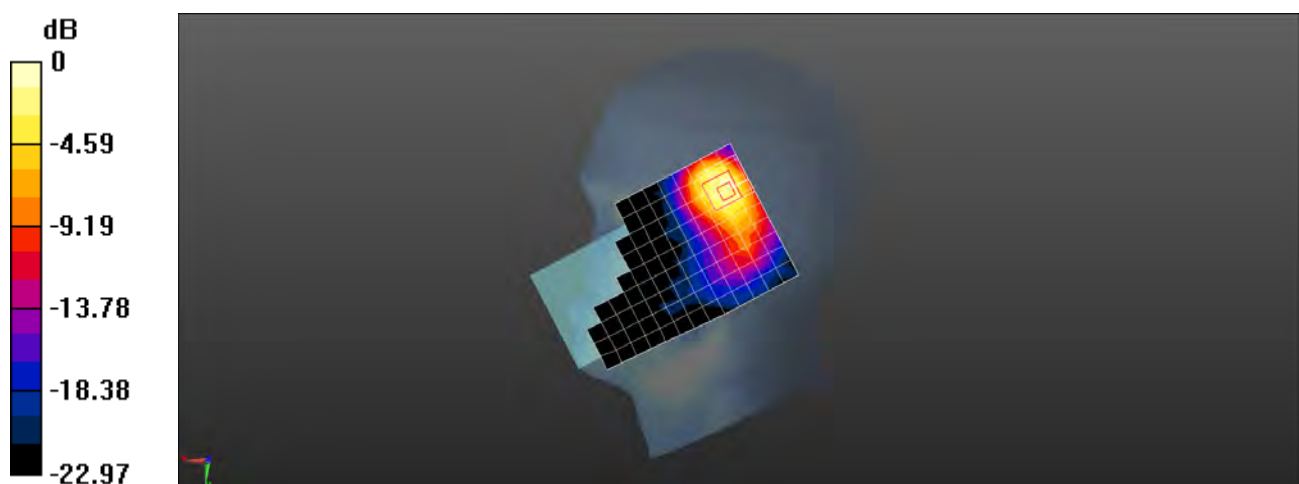
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.482 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.518 W/kg

**SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.353 W/kg



Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 7 20MHz bandwidth QPSK 1RB99 21350CH Back side 15mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: MSL2600; Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.107$  S/m;  $\epsilon_r = 52.316$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.96, 6.96, 6.96); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.227 W/kg

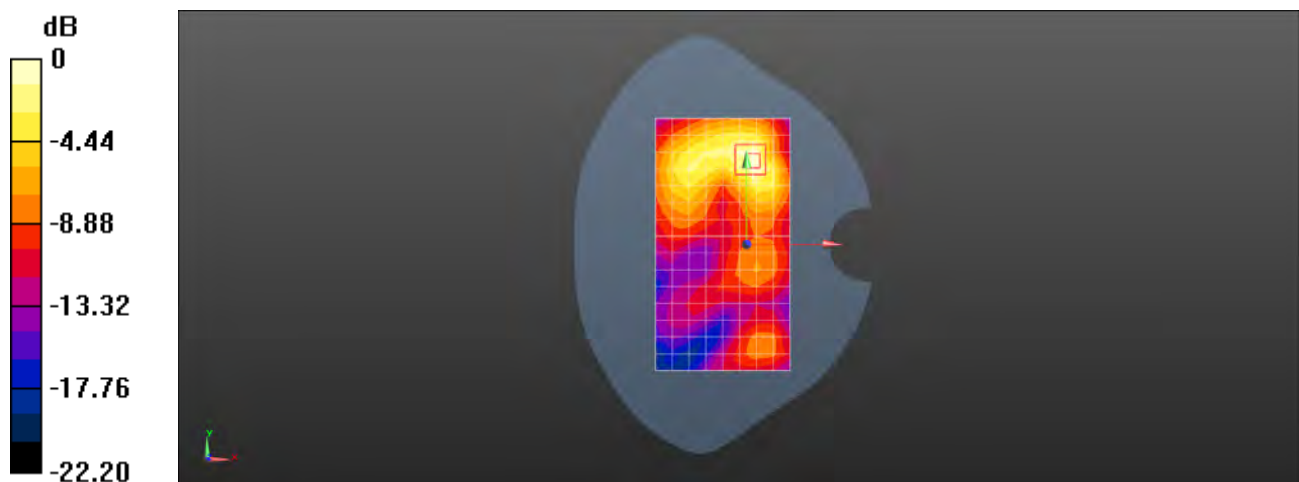
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.689 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.311 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.236 W/kg



0 dB = 0.236 W/kg = -6.27 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 7 20MHz bandwidth QPSK 1RB99 21350CH Back side 10mm Ant2

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000073**

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

Medium: MSL2600;Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.107$  S/m;  $\epsilon_r = 52.316$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.96, 6.96, 6.96); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.280 W/kg

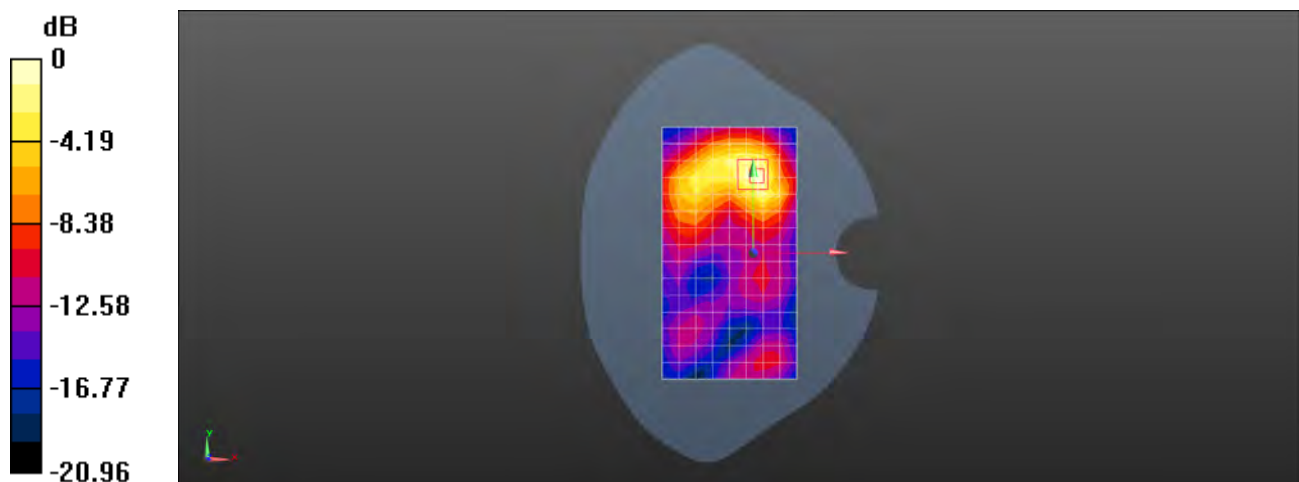
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.298 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.398 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.102 W/kg**

Maximum value of SAR (measured) = 0.287 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 12 10MHz Bandwidth QPSK 1RB49 23130CH Right cheek Ant1

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.187 W/kg

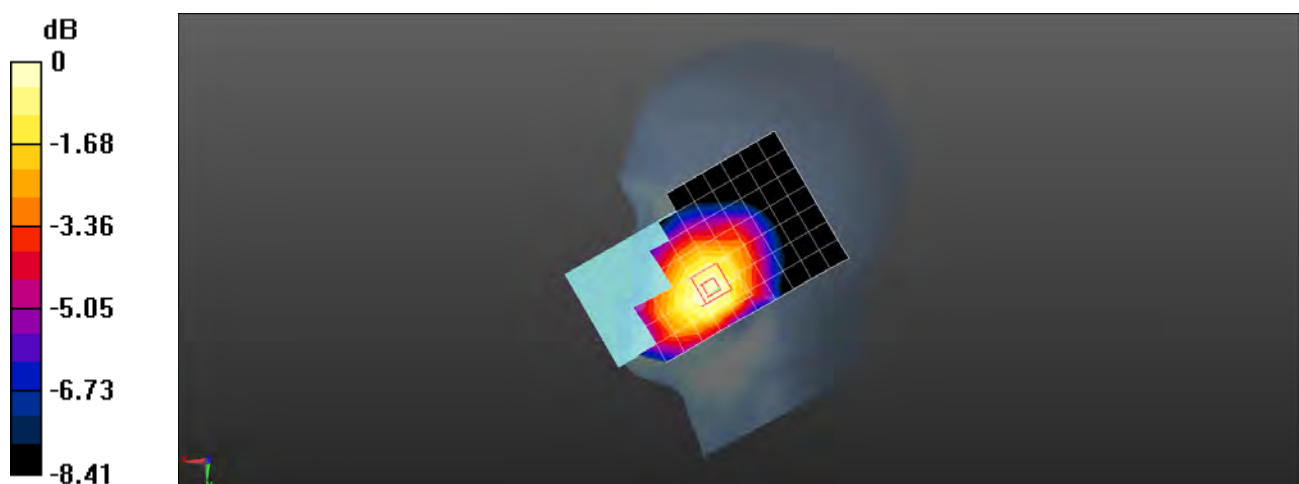
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.914 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.211 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.131 W/kg**

Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg = -7.24 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 12 10MHz Bandwidth QPSK 1RB49 23130CH Back side  
15mm with Battery 2 Ant1**

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000109**

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

Medium: MSL750;Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 56.685$ ;  $\rho = 1000$   
kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.280 W/kg

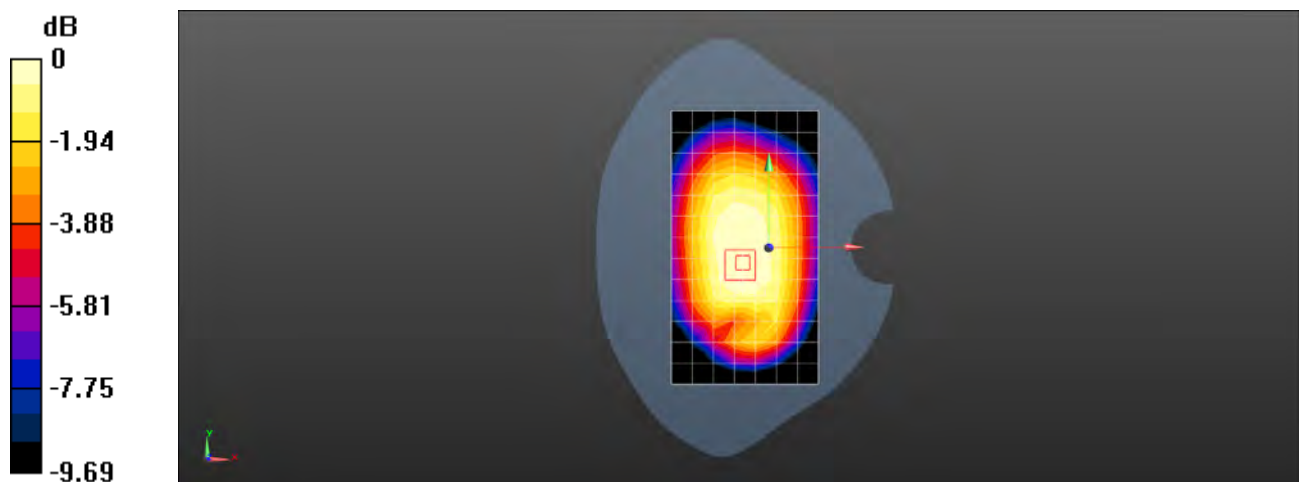
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  
 $dz=5$ mm

Reference Value = 16.57 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.312 W/kg

**SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.194 W/kg**

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg = -5.47 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 12 10MHz Bandwidth QPSK 1RB49 23130CH Right side 10mm Ant1

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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

Medium: MSL750;Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 56.685$ ;  $\rho = 1000$   
kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.295 W/kg

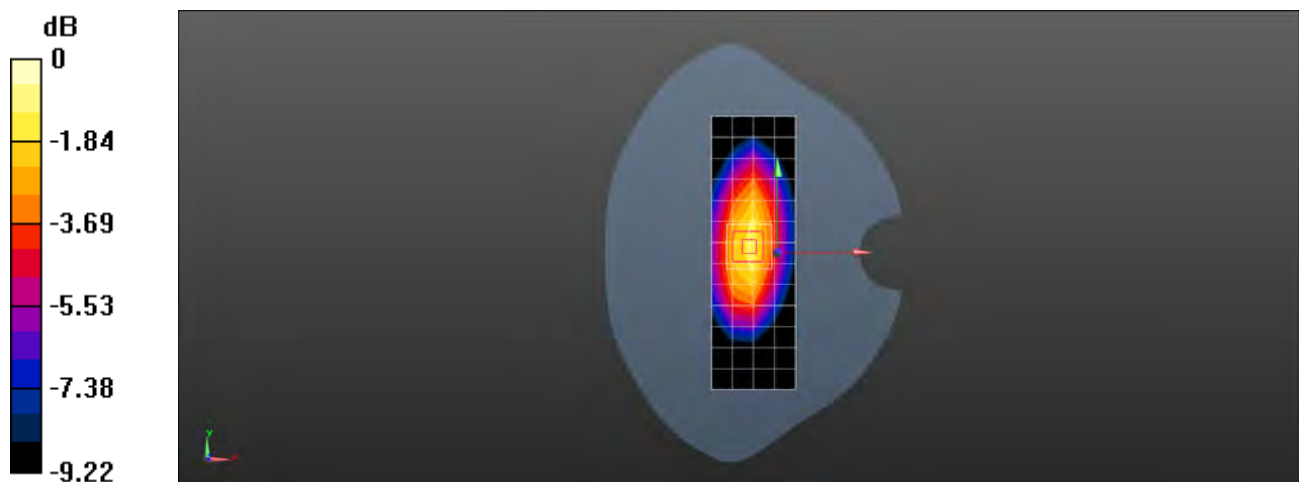
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  
 $dz=5$ mm

Reference Value = 16.53 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.467 W/kg

**SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.227 W/kg**

Maximum value of SAR (measured) = 0.404 W/kg



0 dB = 0.404 W/kg = -3.94 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 12 10MHz Bandwidth QPSK 1RB0 23095CH Right cheek Ant2

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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

Medium: HSL750; Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.87$  S/m;  $\epsilon_r = 42.548$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

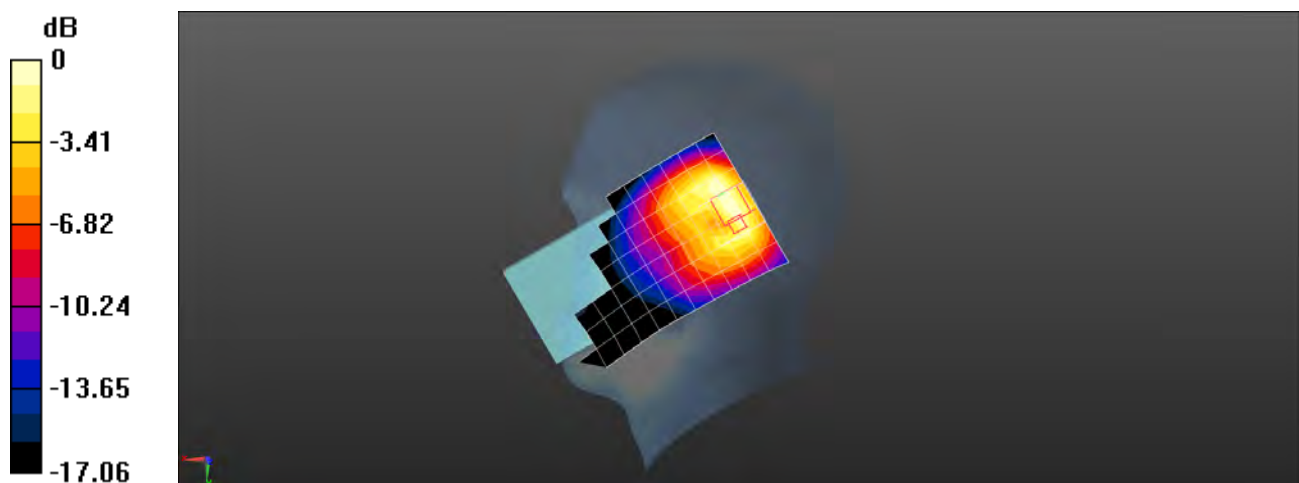
Maximum value of SAR (measured) = 0.585 W/kg

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

Reference Value = 13.02 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.832 W/kg

**SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.215 W/kg**



Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 12 10MHz Bandwidth QPSK 1RB0 23095CH Back side  
15mm Ant2**

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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

Medium: MSL750;Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 57.067$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.104 W/kg

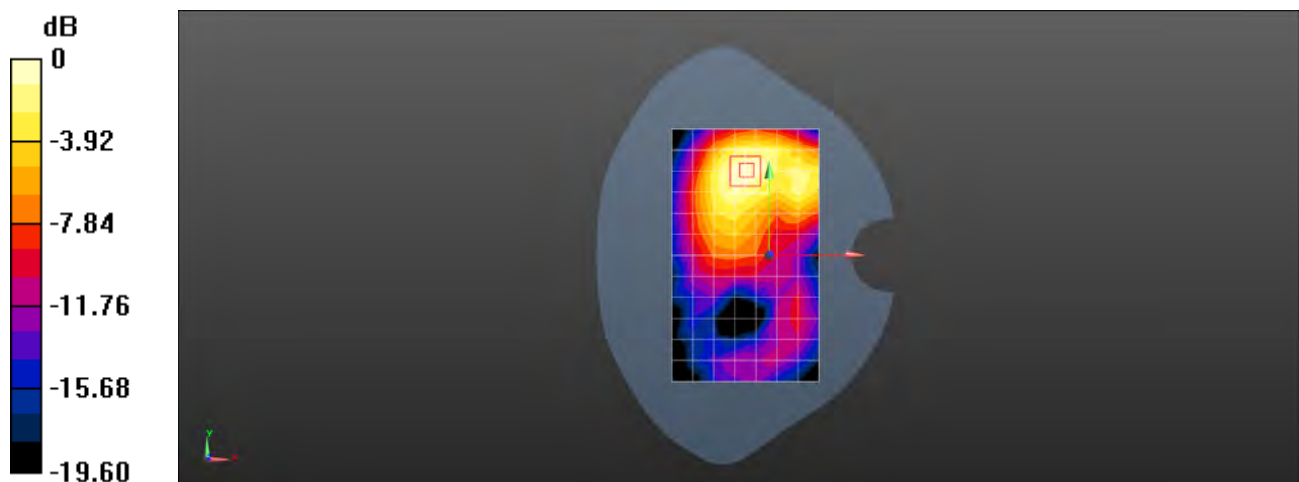
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.132 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.136 W/kg

**SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.047 W/kg**

Maximum value of SAR (measured) = 0.105 W/kg



0 dB = 0.105 W/kg = -9.79 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 12 10MHz Bandwidth QPSK 1RB0 23095CH Back side 10mm Ant2

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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

Medium: MSL750; Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 57.067$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.191 W/kg

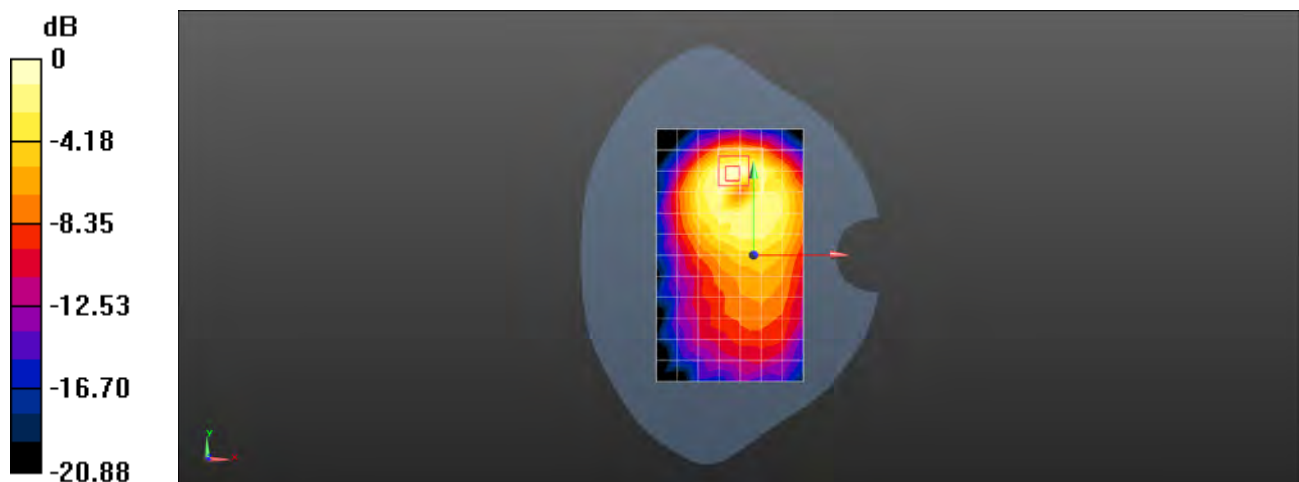
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.525 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.265 W/kg

**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.079 W/kg**

Maximum value of SAR (measured) = 0.200 W/kg



0 dB = 0.200 W/kg = -6.99 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 17 10MHz Bandwidth QPSK 1RB49 23780CH Right cheek with Battery 2 Ant1**

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000109**

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

Medium: HSL750;Medium parameters used:  $f = 709$  MHz;  $\sigma = 0.866$  S/m;  $\epsilon_r = 42.064$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.176 W/kg

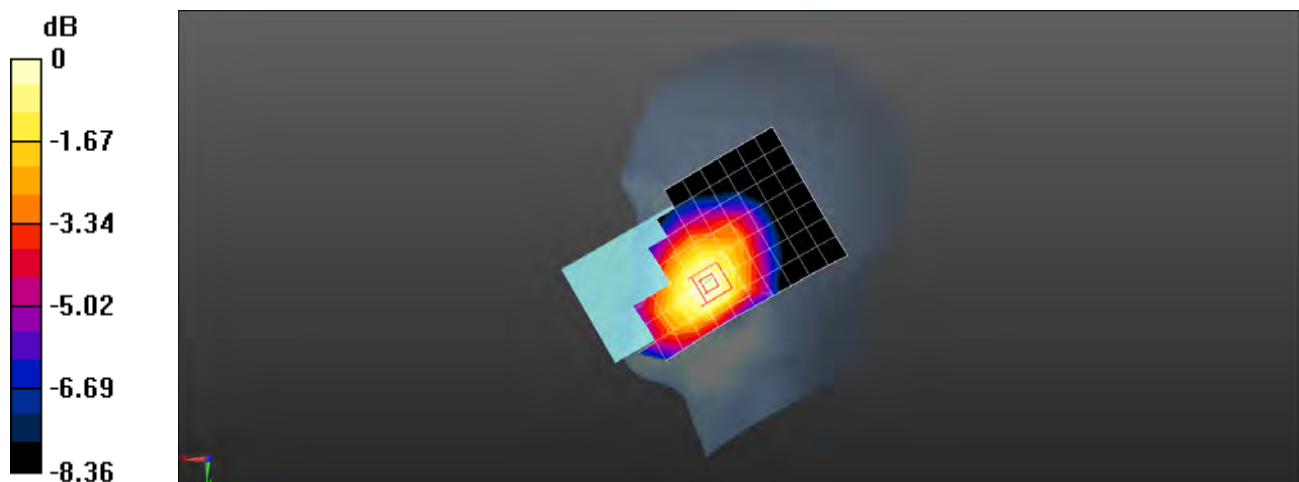
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.984 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.200 W/kg

**SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.126 W/kg**

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg = -7.47 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 17 10MHz Bandwidth QPSK 1RB49 23780CH Back side  
15mm with Battery 2 Ant1**

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000109**

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

Medium: MSL750;Medium parameters used:  $f = 709$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 56.917$ ;  $\rho = 1000$   
kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.277 W/kg

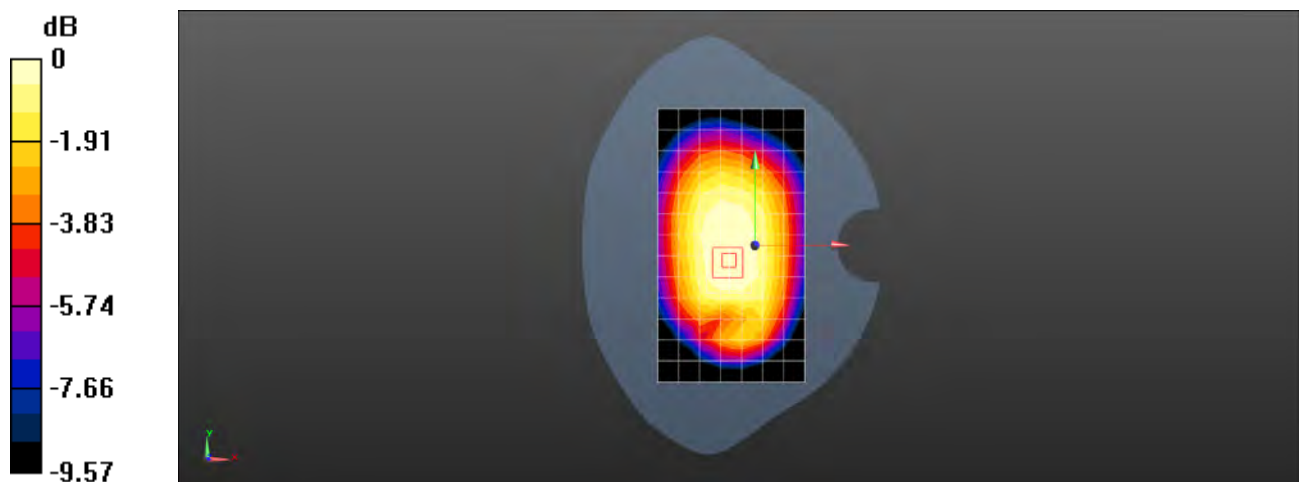
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  
 $dz=5$ mm

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

Peak SAR (extrapolated) = 0.308 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.192 W/kg**

Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.280 W/kg = -5.53 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 17 10MHz Bandwidth QPSK 1RB49 23780CH Right side  
10mm Ant1**

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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

Medium: MSL750;Medium parameters used:  $f = 709$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 56.917$ ;  $\rho = 1000$   
kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.384 W/kg

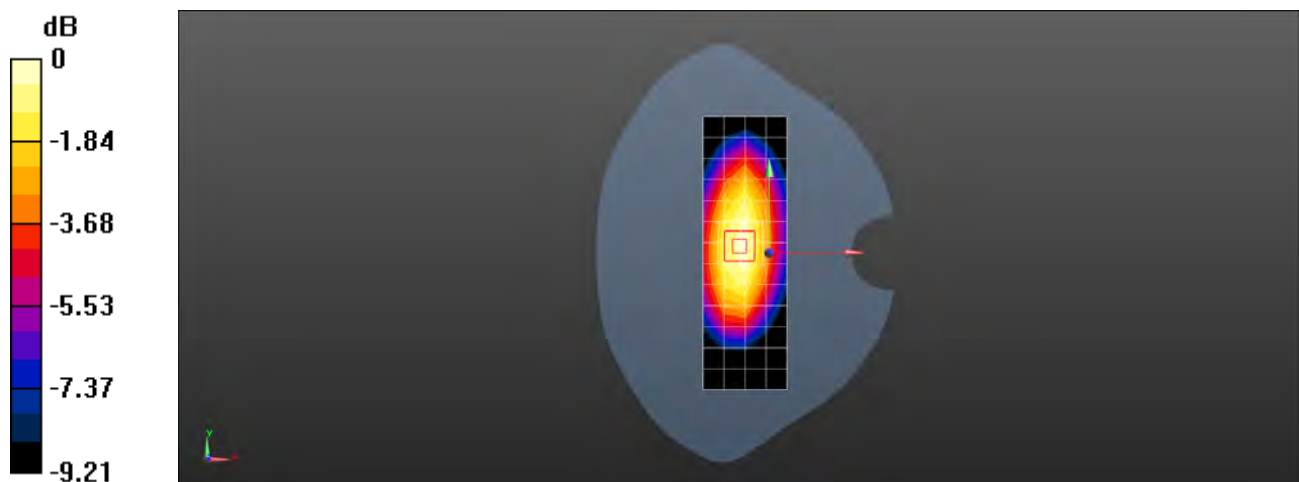
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  
 $dz=5$ mm

Reference Value = 18.83 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.458 W/kg

**SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.222 W/kg**

Maximum value of SAR (measured) = 0.395 W/kg



0 dB = 0.395 W/kg = -4.03 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 17 10MHz Bandwidth QPSK 1RB0 23800CH Right tilted Ant2

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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(7.28, 7.28, 7.28); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-09-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.415 W/kg

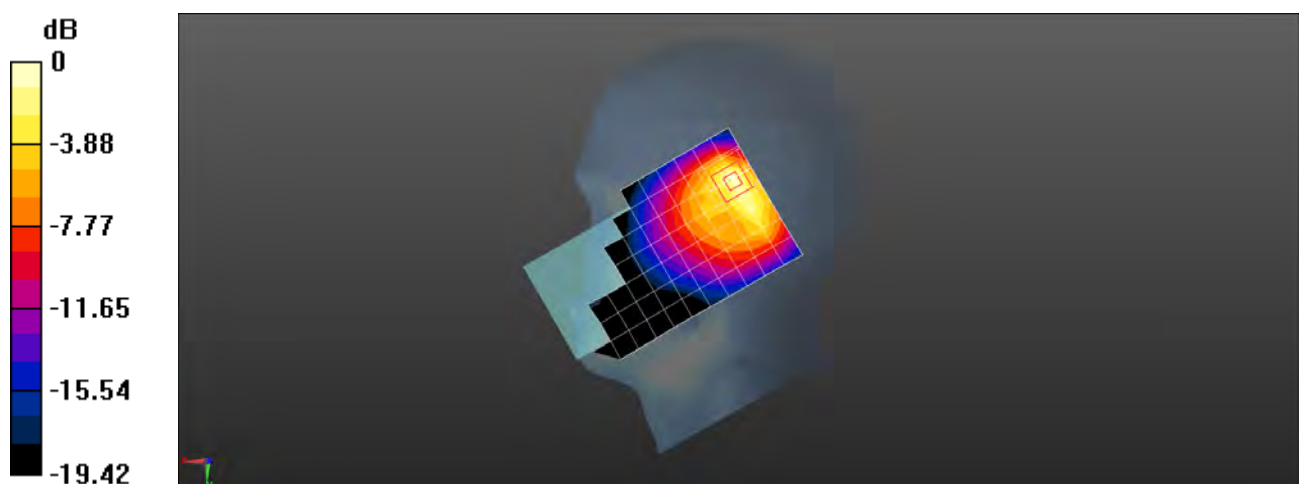
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.221 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.661 W/kg

**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.127 W/kg**

Maximum value of SAR (measured) = 0.446 W/kg



0 dB = 0.446 W/kg = -3.51 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 17 10MHz Bandwidth QPSK 1RB0 23790CH Back side  
15mm Ant2**

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.164 W/kg

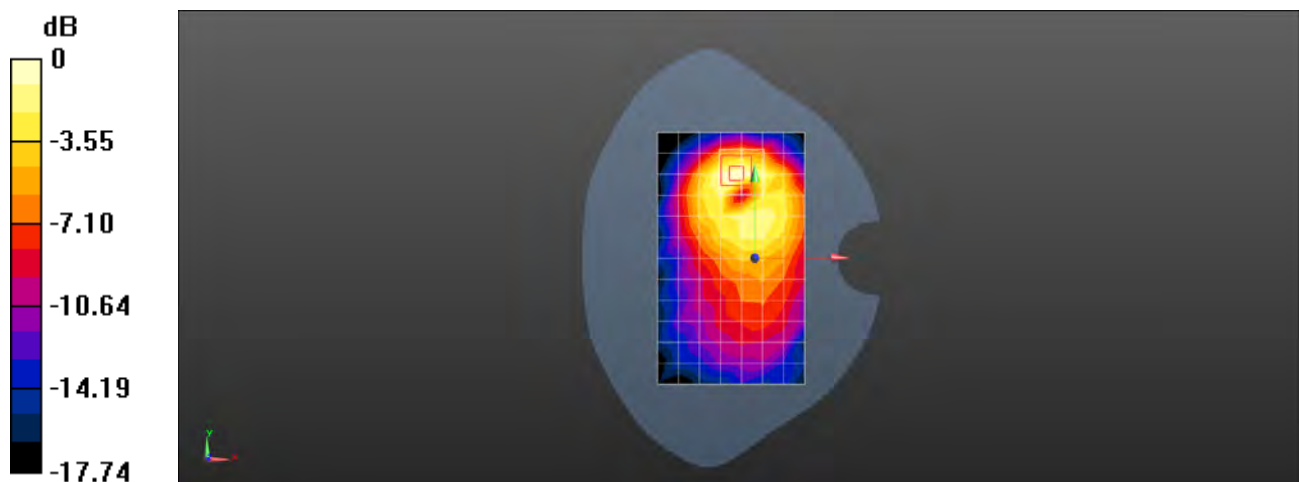
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  
 $dz=5$ mm

Reference Value = 7.689 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.217 W/kg

**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.173 W/kg



0 dB = 0.173 W/kg = -7.62 dBW/kg



Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 17 10MHz Bandwidth QPSK 1RB0 23790CH Back side 10mm Ant2

**DUT: HMA-L29; Type: Mobile Handset; Serial: VDY0118703000062**

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(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.402 W/kg

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

Reference Value = 8.004 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.546 W/kg

**SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.165 W/kg**

Maximum value of SAR (measured) = 0.413 W/kg



0 dB = 0.413 W/kg = -3.84 dBW/kg

Test Laboratory: SGS-SAR Lab

**HMA-L29 LTE Band 26 15MHz bandwidth QPSK 1RB38 Offset 26865CH  
Right cheek Ant1**

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r =$

41.566;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.96, 9.96, 9.96); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.242 W/kg

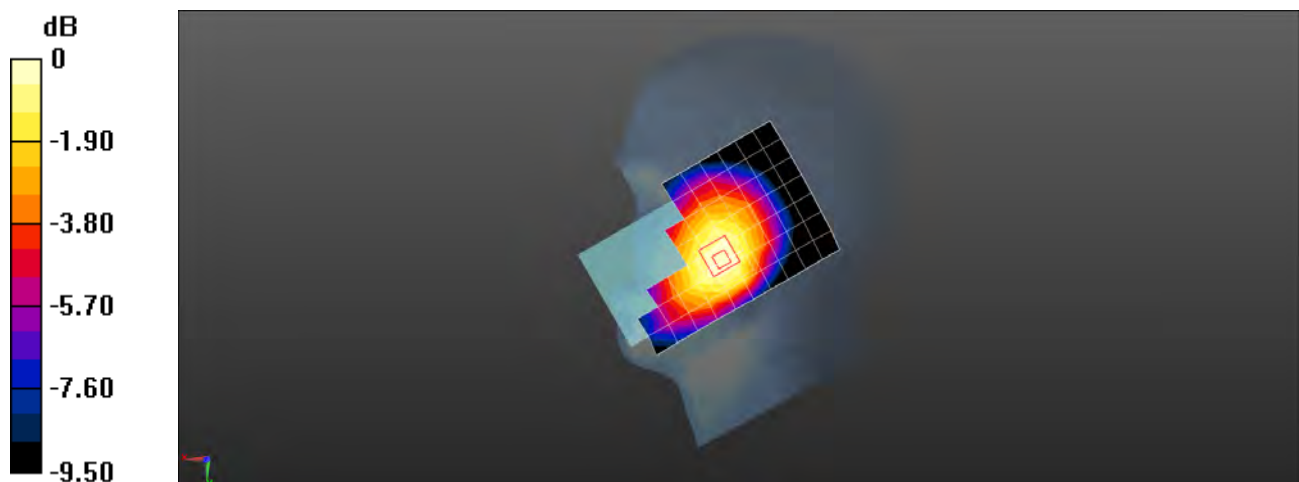
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.601 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.281 W/kg

**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 0.251 W/kg



0 dB = 0.251 W/kg = -6.00 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 26 15MHz bandwidth QPSK 1RB38 Offset 26865CH Back side 15mm Ant1

**DUT: HMA-L29; Type: Smart Phone; Serial: VDY0118703000064**

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: MSL835;Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_T =$

$53.874$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.288 W/kg

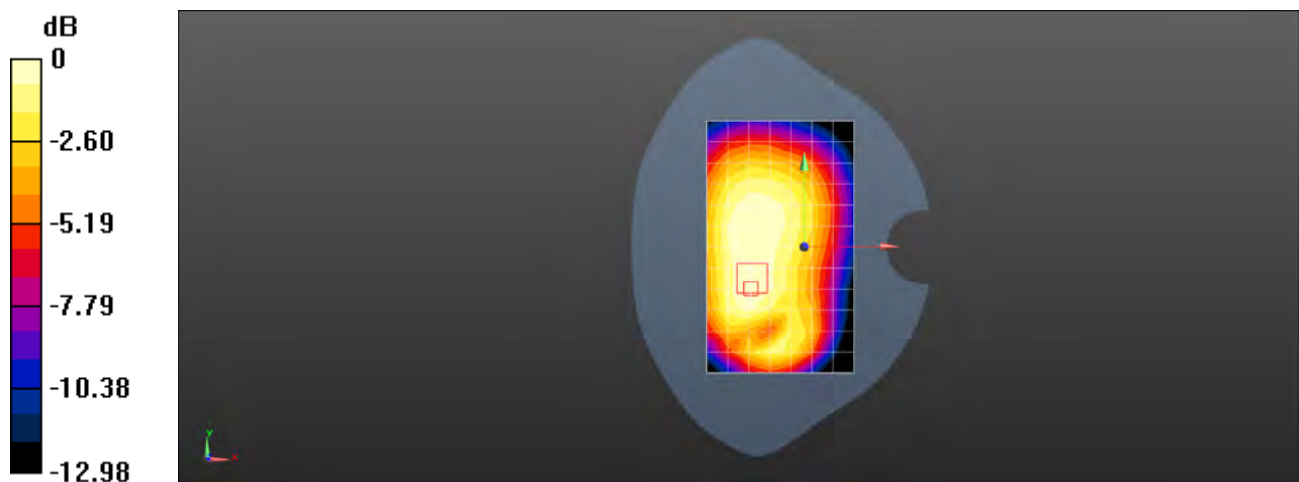
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.69 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.322 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.184 W/kg**

Maximum value of SAR (measured) = 0.289 W/kg



0 dB = 0.289 W/kg = -5.39 dBW/kg