

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 26 15MHz bandwidth QPSK 1RB38 Offset 26865CH Back side 10mm with Battery 2 Ant1

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

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;  $\epsilon_r =$

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) = 0.451 W/kg

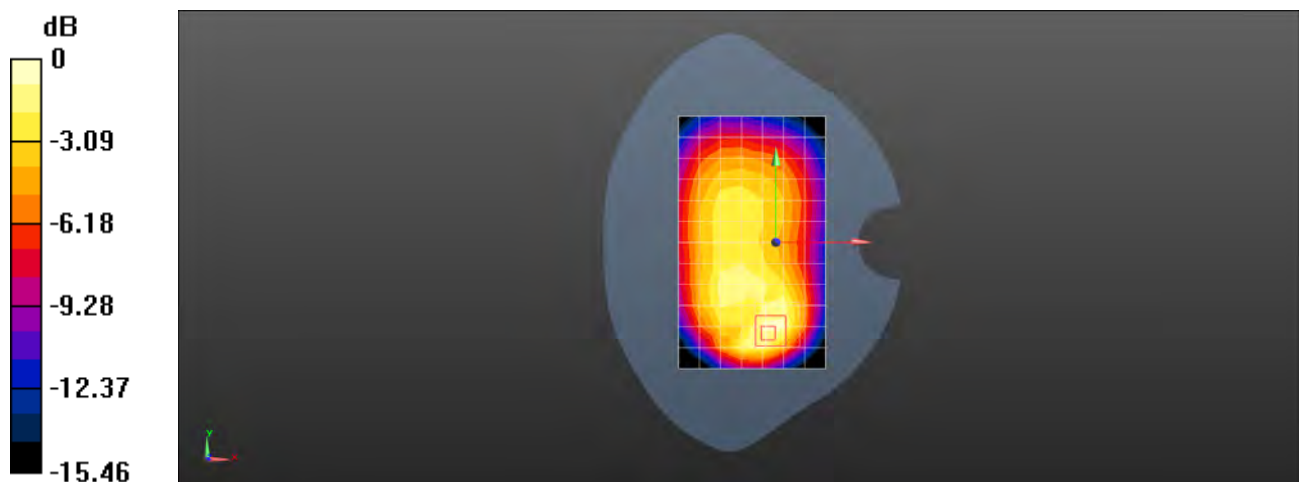
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.33 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.693 W/kg

**SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.230 W/kg**

Maximum value of SAR (measured) = 0.547 W/kg



0 dB = 0.547 W/kg = -2.62 dBW/kg

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### HMA-L29 LTE Band 26 15MHz bandwidth QPSK 36RB0 Offset 26965CH Left cheek Ant2

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

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used (interpolated):  $f = 841.5$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r =$

41.964;  $\rho = 1000$  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) = 0.488 W/kg

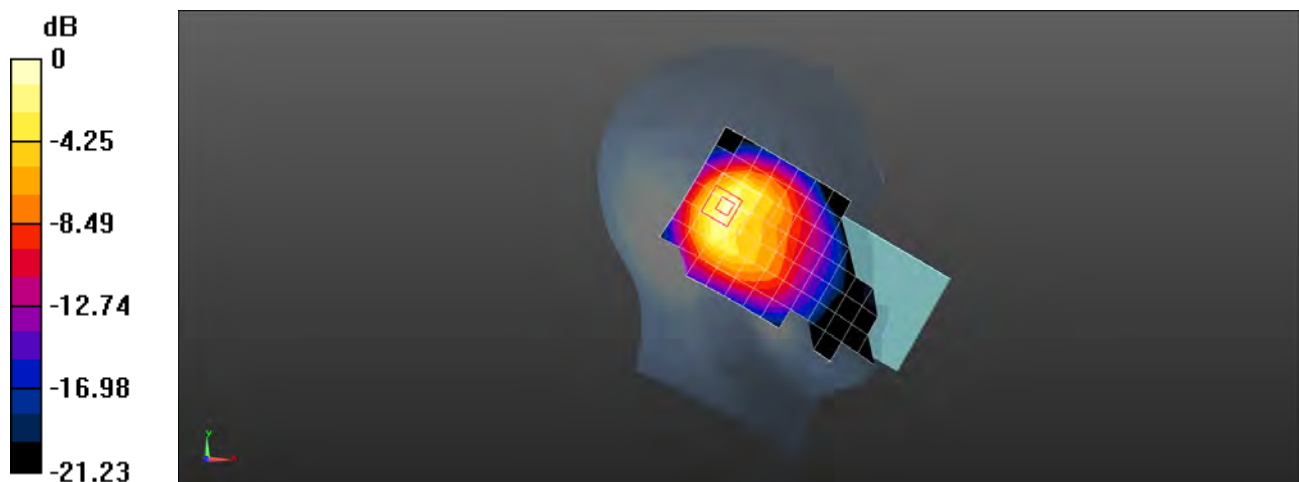
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.32 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.673 W/kg

**SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 0.487 W/kg



0 dB = 0.487 W/kg = -3.12 dBW/kg

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## HMA-L29 LTE Band 26 15MHz bandwidth QPSK 1RB0 Offset 26775CH Front side 15mm Ant2

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

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used (interpolated):  $f = 822.5$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r =$

$56.335$ ;  $\rho = 1000$  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) = 0.133 W/kg

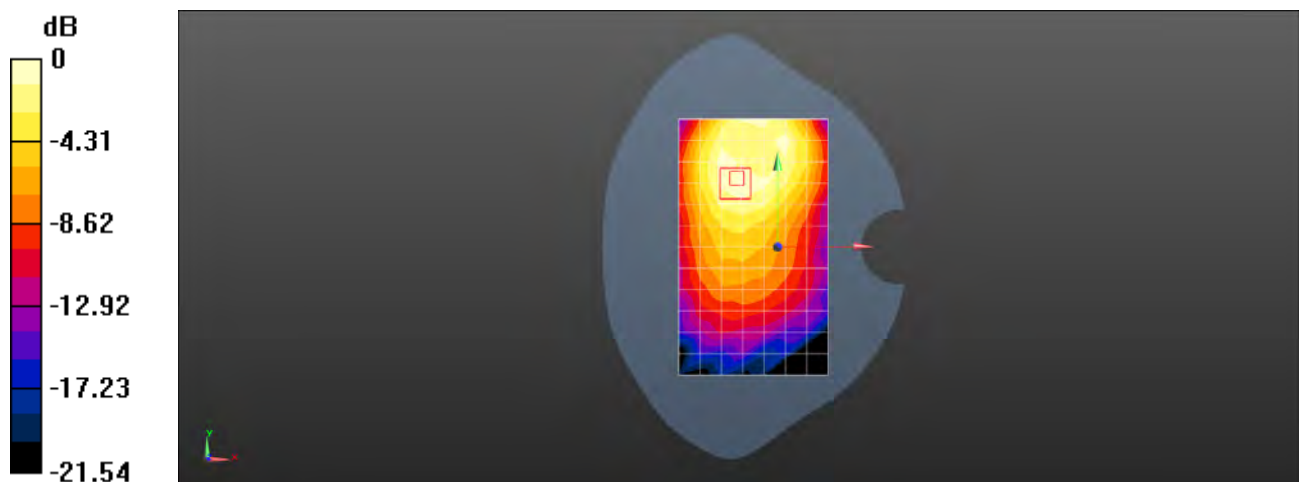
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.938 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.161 W/kg

**SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.073 W/kg**

Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg = -8.70 dBW/kg

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## HMA-L29 LTE Band 26 15MHz bandwidth QPSK 36RB0 Offset 26775CH Top side 10mm Ant2

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

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 822.5 MHz;Duty Cycle: 1:1

Medium: MSL835;Medium parameters used (interpolated):  $f = 822.5$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r =$

$56.335$ ;  $\rho = 1000$  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 (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.276 W/kg

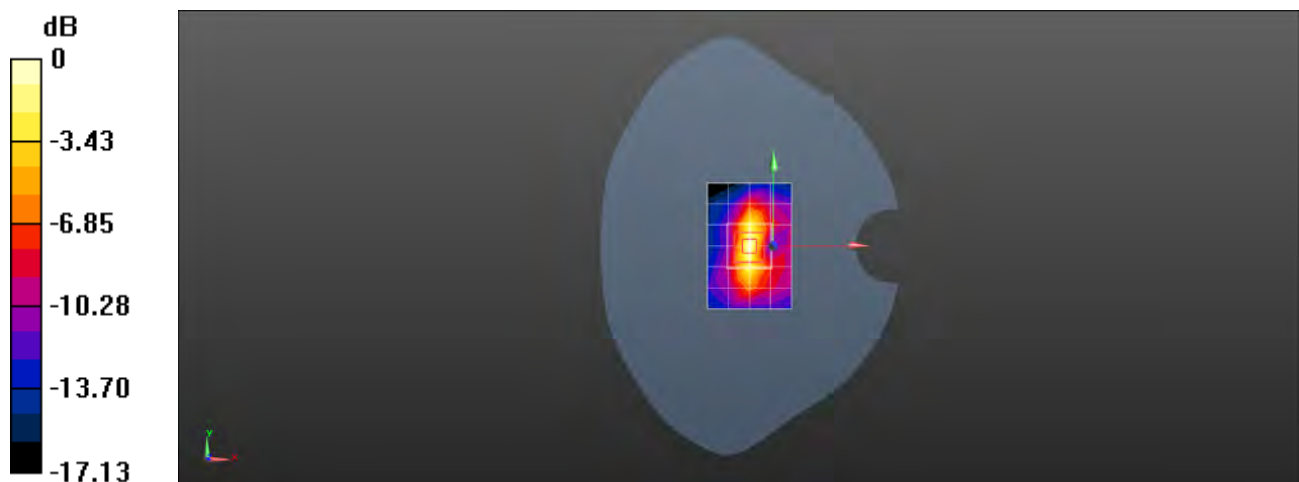
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.49 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.356 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.095 W/kg**

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg

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## HMA-L29 LTE Band 38 20MHz bandwidth QPSK 1RB99 38000CH Left tilted with SIM2 Ant1

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2595 MHz; Duty Cycle: 1:1.57906

Medium: HSL2600; Medium parameters used:  $f = 2595$  MHz;  $\sigma = 2.02$  S/m;  $\epsilon_r = 37.472$ ;  $\rho = 1000$

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 (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.211 W/kg

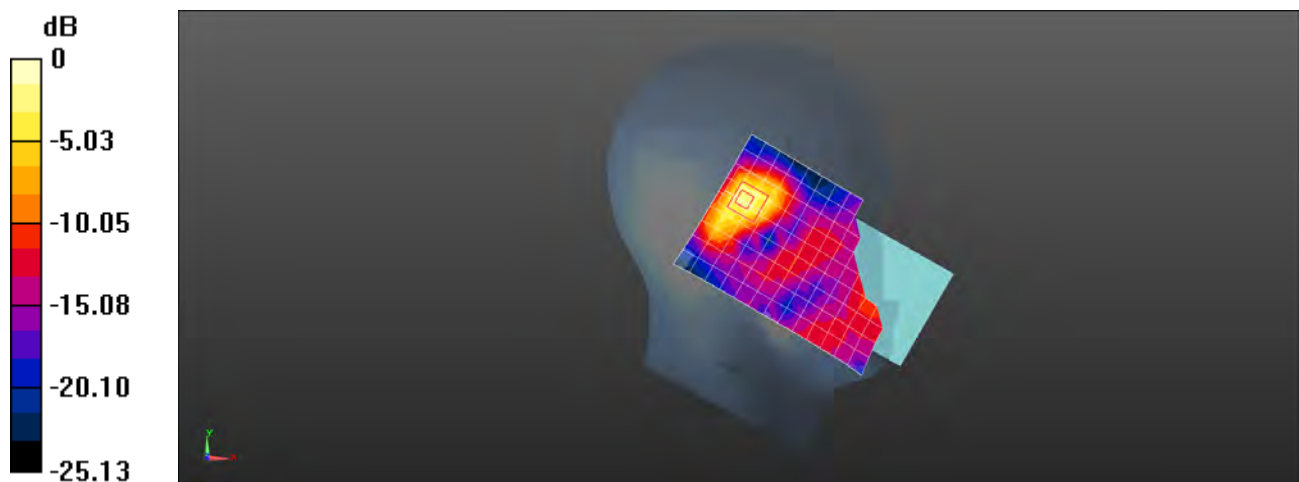
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.907 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.510 W/kg

**SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.356 W/kg



0 dB = 0.356 W/kg = -4.49 dBW/kg

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### HMA-L29 LTE Band 38 20MHz bandwidth QPSK 1RB99 38000CH Back side 15mm Ant1

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2595 MHz; Duty Cycle:  
1:1.57906

Medium: MSL2600; Medium parameters used:  $f = 2595$  MHz;  $\sigma = 2.181$  S/m;  $\epsilon_r = 52.234$ ;  $\rho = 1000$   
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) = 0.379 W/kg

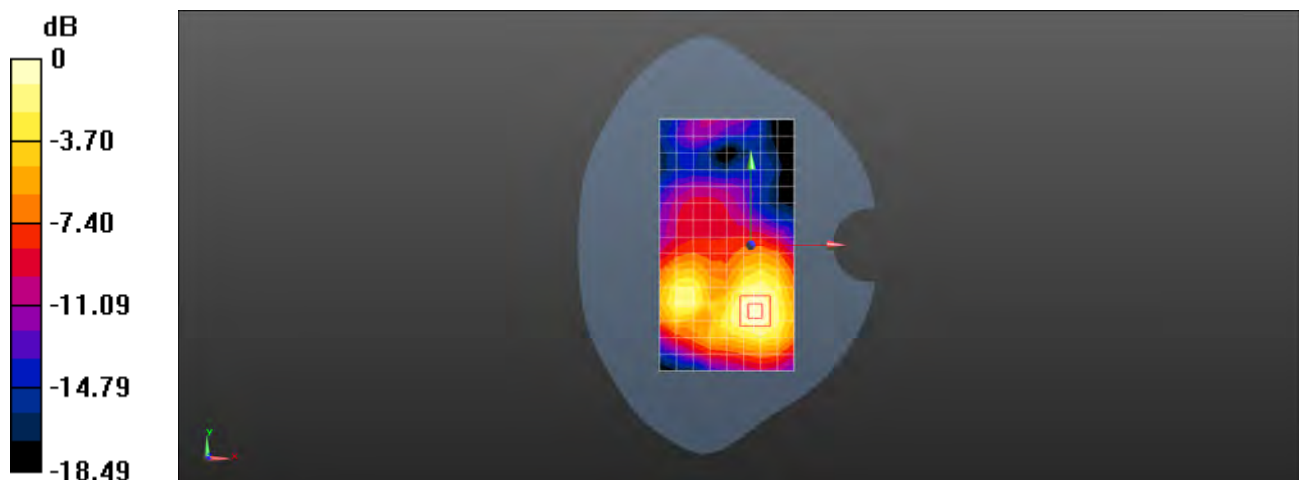
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  
 $dz=5$ mm

Reference Value = 4.775 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.534 W/kg

**SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 0.419 W/kg



0 dB = 0.419 W/kg = -3.78 dBW/kg

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**HMA-L29 LTE Band 38 20MHz bandwidth QPSK 50RB0 38150CH Bottom side 10mm Ant1**

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2610 MHz;Duty Cycle: 1:1.57906

Medium: MSL2600;Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.199$  S/m;  $\epsilon_r = 52.228$ ;  $\rho = 1000$  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 (6x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.467 W/kg

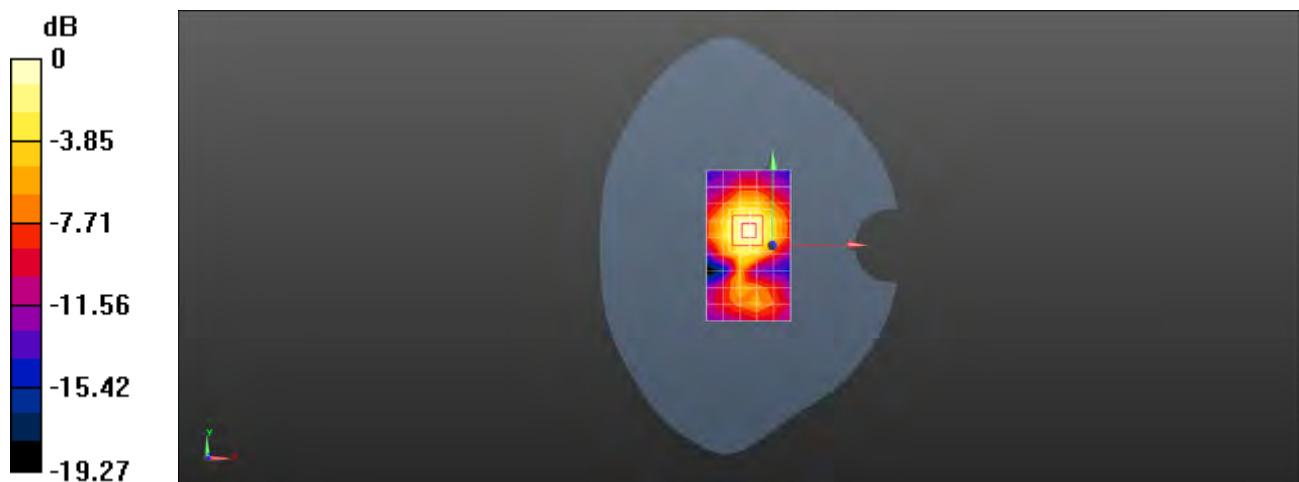
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.42 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.710 W/kg

**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 0.555 W/kg



0 dB = 0.555 W/kg = -2.56 dBW/kg

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## HMA-L29 LTE Band 38 20MHz bandwidth QPSK 50RB0 38000CH Right tilted Ant2

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2595 MHz; Duty Cycle: 1:1.57906

Medium: HSL2600; Medium parameters used:  $f = 2595$  MHz;  $\sigma = 2.02$  S/m;  $\epsilon_r = 37.487$ ;  $\rho = 1000$  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) = 0.418 W/kg

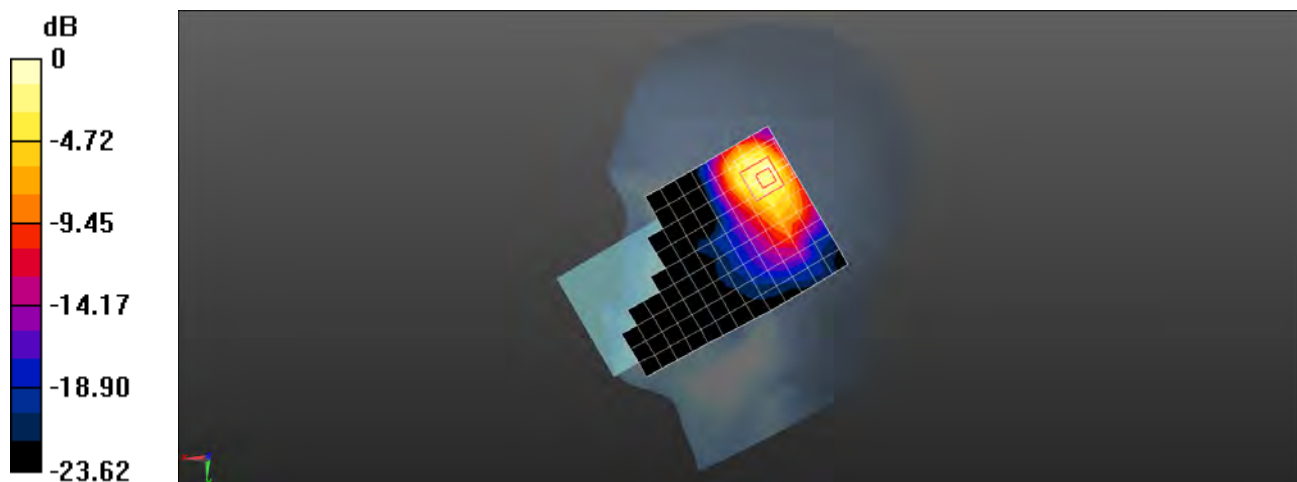
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.315 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.833 W/kg

**SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.146 W/kg**

Maximum value of SAR (measured) = 0.548 W/kg



0 dB = 0.548 W/kg = -2.61 dBW/kg



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### HMA-L29 LTE Band 38 20MHz bandwidth QPSK 50RB0 38150CH Back side 15mm Ant2

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2610 MHz; Duty Cycle:  
1:1.57906

Medium: MSL2600; Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.17$  S/m;  $\epsilon_r = 52.061$ ;  $\rho = 1000$   
 $\text{kg/m}^3$

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:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
Maximum value of SAR (measured) =  $0.233$  W/kg

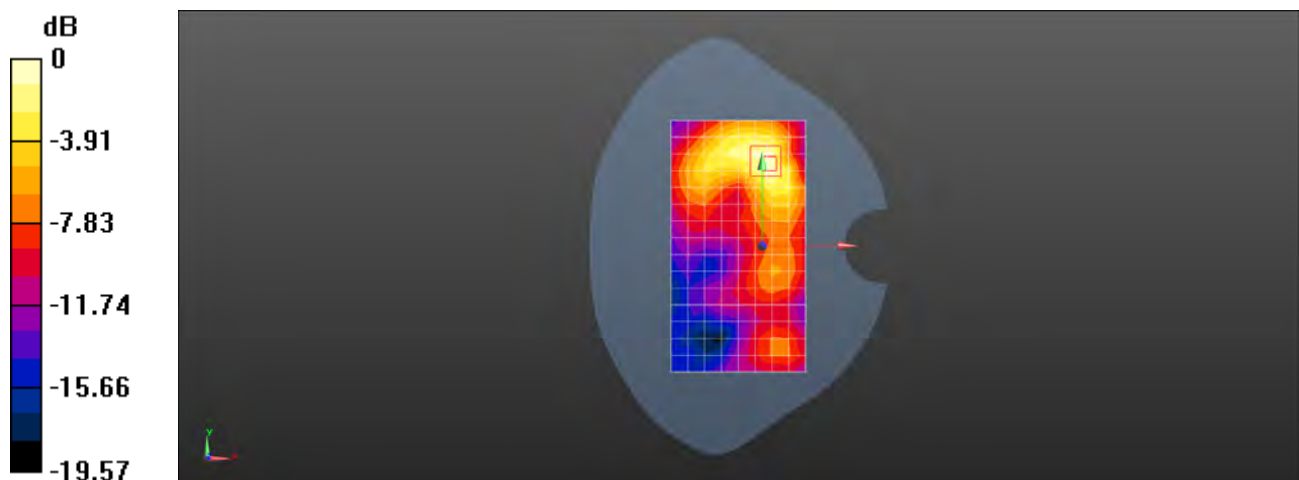
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $2.781$  V/m; Power Drift =  $-0.05$  dB

Peak SAR (extrapolated) =  $0.325$  W/kg

**SAR(1 g) =  $0.172$  W/kg; SAR(10 g) =  $0.090$  W/kg**

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



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

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### HMA-L29 LTE Band 38 20MHz bandwidth QPSK 1RB99 37850CH Back side 10mm Ant2

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2580 MHz; Duty Cycle:  
1:1.57906

Medium: MSL2600; Medium parameters used:  $f = 2580$  MHz;  $\sigma = 2.132$  S/m;  $\epsilon_r = 52.148$ ;  $\rho = 1000$   
 $\text{kg/m}^3$

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:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
Maximum value of SAR (measured) =  $0.283$  W/kg

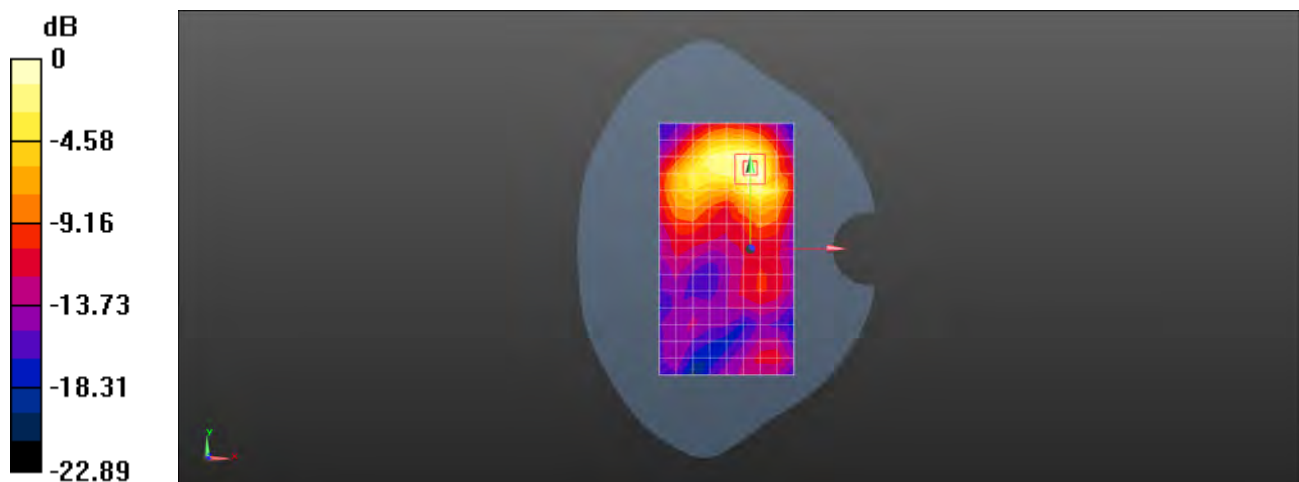
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $2.348$  V/m; Power Drift =  $-0.01$  dB

Peak SAR (extrapolated) =  $0.401$  W/kg

**SAR(1 g) =  $0.209$  W/kg; SAR(10 g) =  $0.109$  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 41 20MHz bandwidth QPSK 1RB99 40620CH Left tilted Ant1

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz; Duty Cycle: 1:1.57906

Medium: HSL2600; Medium parameters used:  $f = 2593$  MHz;  $\sigma = 2.02$  S/m;  $\epsilon_r = 37.485$ ;  $\rho = 1000$  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 (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.226 W/kg

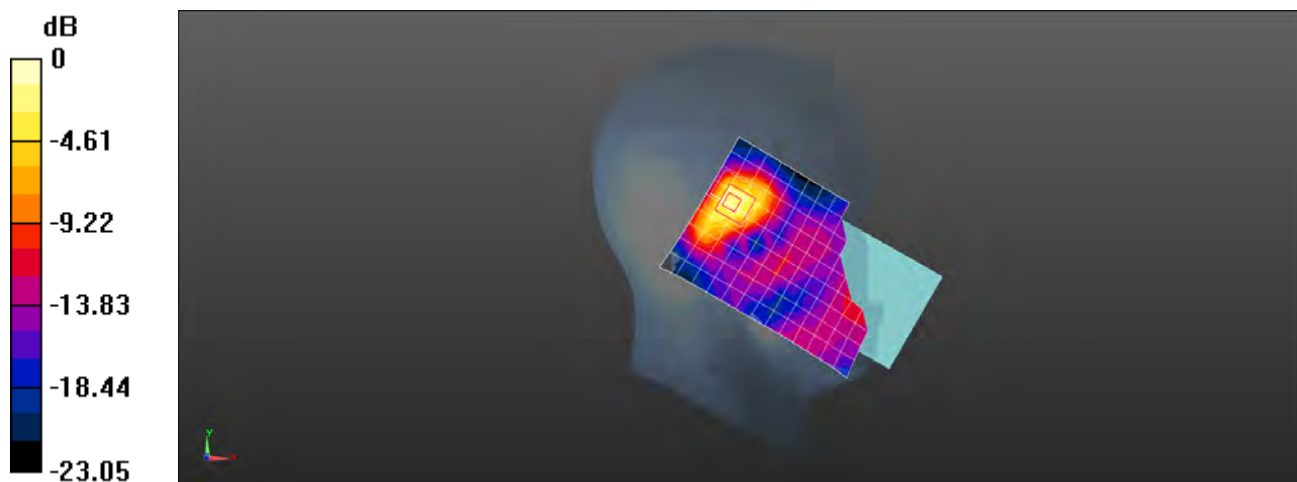
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.846 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.505 W/kg

**SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.096 W/kg**

Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg = -4.56 dBW/kg

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### HMA-L29 LTE Band 41 20MHz bandwidth QPSK 1RB99 40620CH Back side 15mm Ant1

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz; Duty Cycle:  
1:1.57906

Medium: MSL2600; Medium parameters used:  $f = 2593$  MHz;  $\sigma = 2.18$  S/m;  $\epsilon_r = 52.255$ ;  $\rho = 1000$   
 $\text{kg/m}^3$

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:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
Maximum value of SAR (measured) =  $0.327$  W/kg

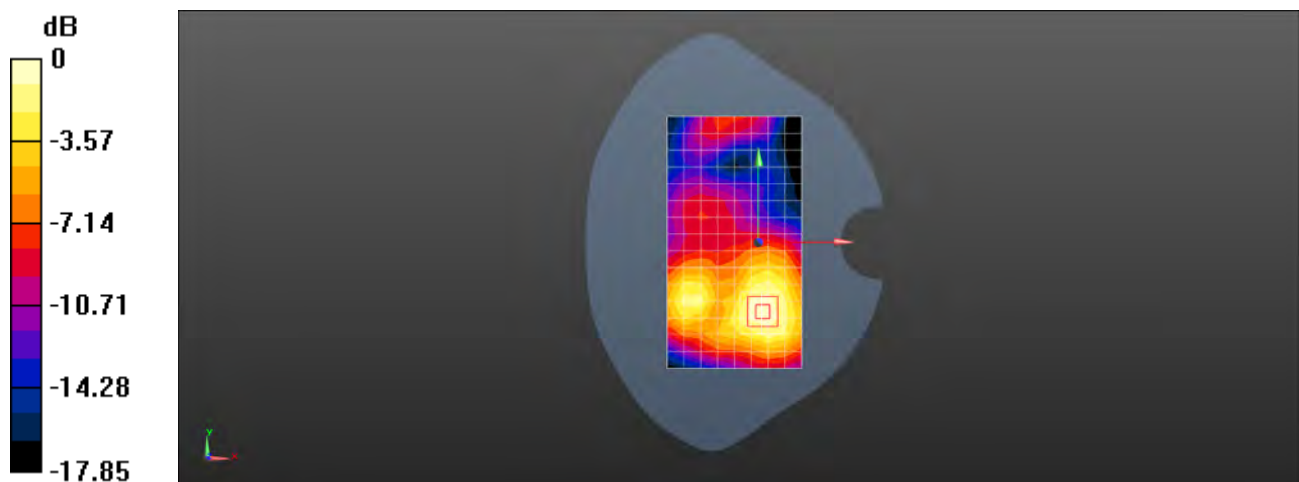
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $4.382$  V/m; Power Drift =  $-0.02$  dB

Peak SAR (extrapolated) =  $0.439$  W/kg

**SAR(1 g) =  $0.250$  W/kg; SAR(10 g) =  $0.142$  W/kg**

Maximum value of SAR (measured) =  $0.345$  W/kg



0 dB =  $0.345$  W/kg =  $-4.62$  dBW/kg

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### HMA-L29 LTE Band 41 20MHz bandwidth QPSK 50RB50 40620CH Bottom side 10mm Ant1

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz; Duty Cycle: 1:1.57906

Medium: MSL2600; Medium parameters used:  $f = 2593$  MHz;  $\sigma = 2.18$  S/m;  $\epsilon_r = 52.255$ ;  $\rho = 1000$  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 (6x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.503 W/kg

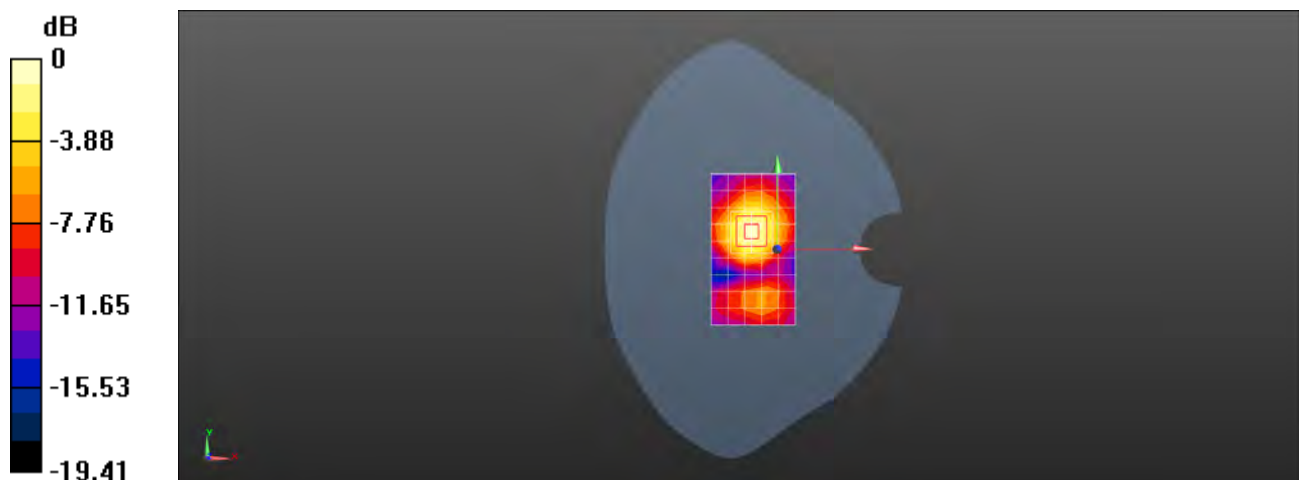
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.78 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.766 W/kg

**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.223 W/kg**

Maximum value of SAR (measured) = 0.602 W/kg



0 dB = 0.602 W/kg = -2.20 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 41 20MHz bandwidth QPSK 50RB0 41055CH Right tilted Ant2

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.57906

Medium: HSL2600; Medium parameters used (interpolated):  $f = 2636.5$  MHz;  $\sigma = 2.067$  S/m;  $\epsilon_r = 37.307$ ;  $\rho = 1000$  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) = 0.391 W/kg

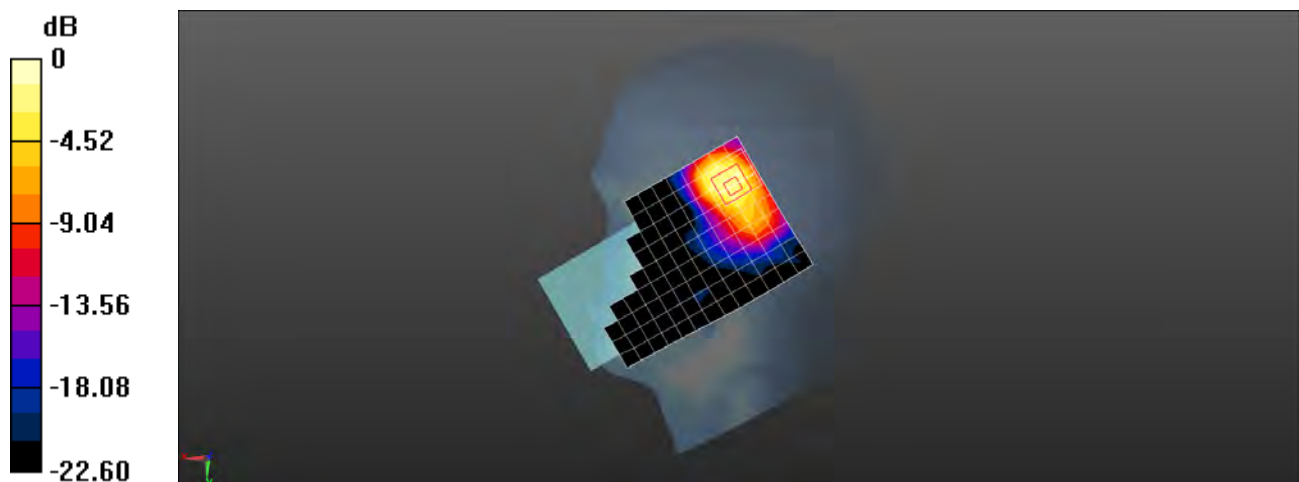
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.156 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.835 W/kg

**SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.146 W/kg**

Maximum value of SAR (measured) = 0.543 W/kg



0 dB = 0.543 W/kg = -2.65 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 LTE Band 41 20MHz bandwidth QPSK 50RB0 41055CH Back side 15mm Ant 2

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.57906

Medium: MSL2600; Medium parameters used (interpolated):  $f = 2636.5$  MHz;  $\sigma = 2.202$  S/m;  $\epsilon_r =$

51.962;  $\rho = 1000$  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) = 0.265 W/kg

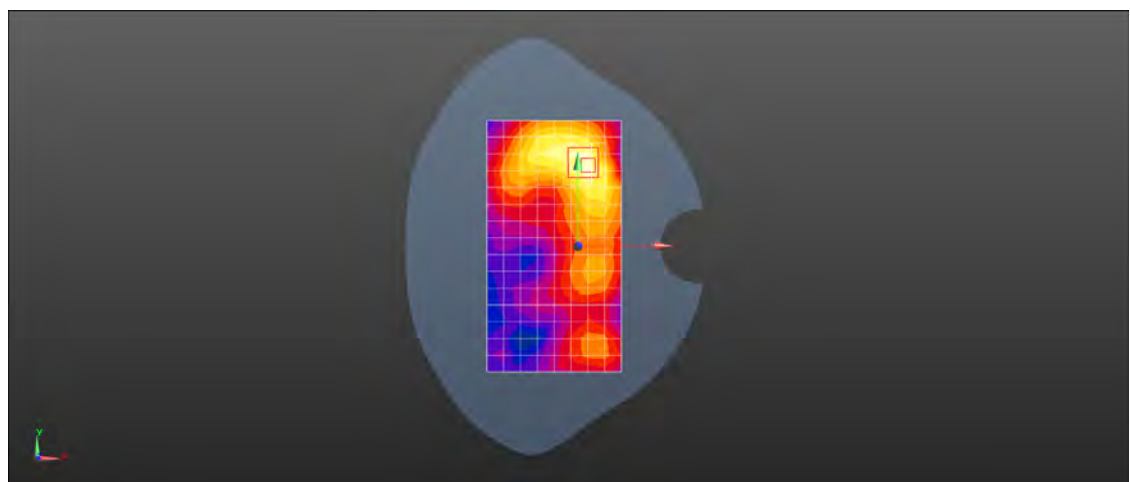
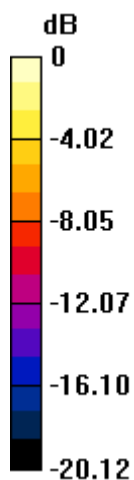
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.915 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.372 W/kg

**SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.272 W/kg = -5.65 dBW/kg

Test Laboratory: SGS-SAR Lab

### HMA-L29 LTE Band 41 20MHz bandwidth QPSK 50RB0 41055CH Top side 10mm Ant2

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

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.57906

Medium: MSL2600; Medium parameters used (interpolated):  $f = 2636.5$  MHz;  $\sigma = 2.202$  S/m;  $\epsilon_r = 51.962$ ;  $\rho = 1000$  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 (6x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.362 W/kg

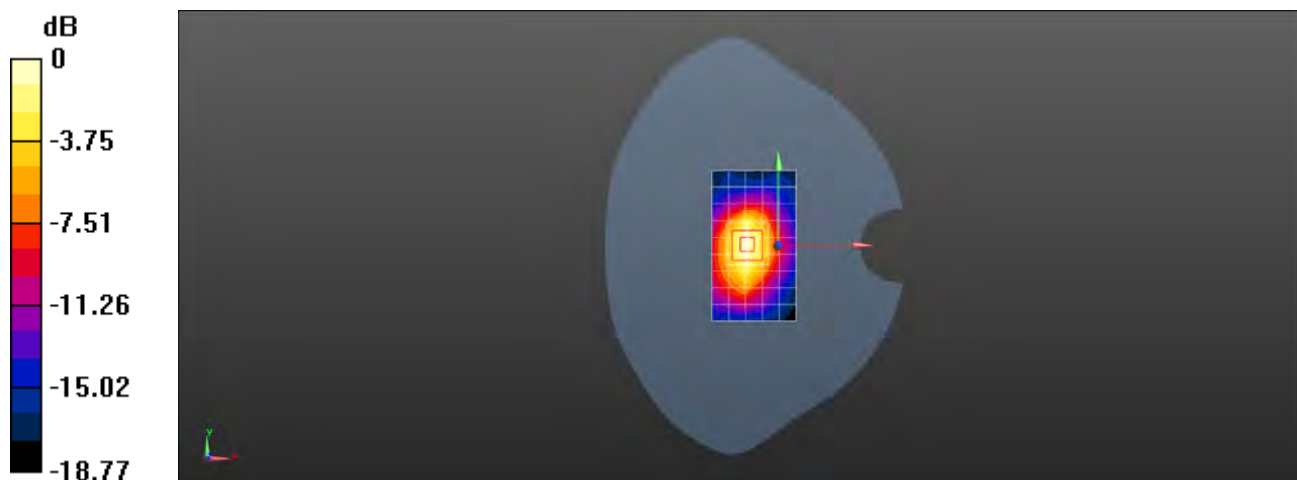
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.88 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.504 W/kg

**SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.135 W/kg**

Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg = -4.13 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 802.11b 1CH Left tilted with Battery 2 Ant1

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

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

Medium: HSL2450;Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.815$  S/m;  $\epsilon_r = 38.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.01, 7.01, 7.01); 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) = 0.617 W/kg

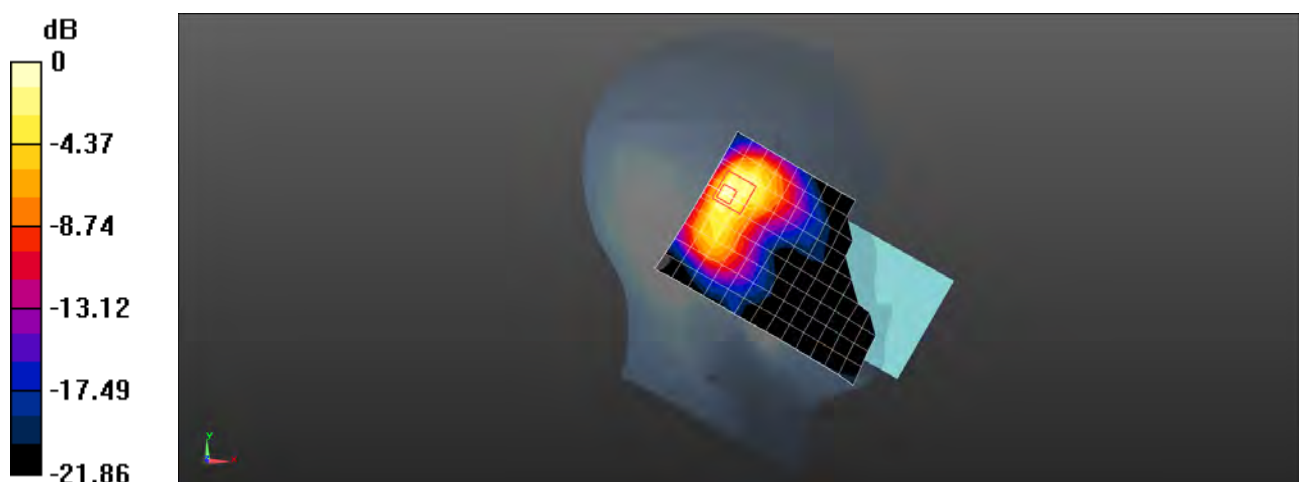
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.71 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.970 W/kg

**SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 0.680 W/kg



0 dB = 0.680 W/kg = -1.67 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 802.11b 1CH Back side 15mm with Battery 2 Ant1

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

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

Medium: MSL2450;Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 52.855$ ;  $\rho = 1000$  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 (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.0538 W/kg

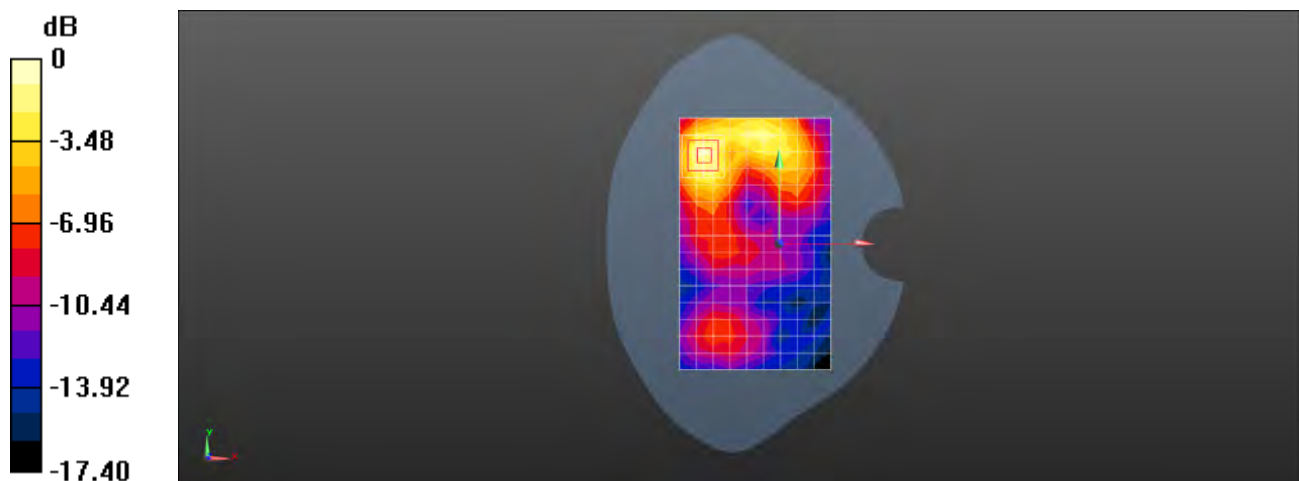
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.806 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0860 W/kg

**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0663 W/kg



0 dB = 0.0663 W/kg = -11.78 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 802.11b 1CH Top side 10mm with Battery 2 Ant1

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

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

Medium: MSL2450;Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 52.855$ ;  $\rho = 1000$  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 (5x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.217 W/kg

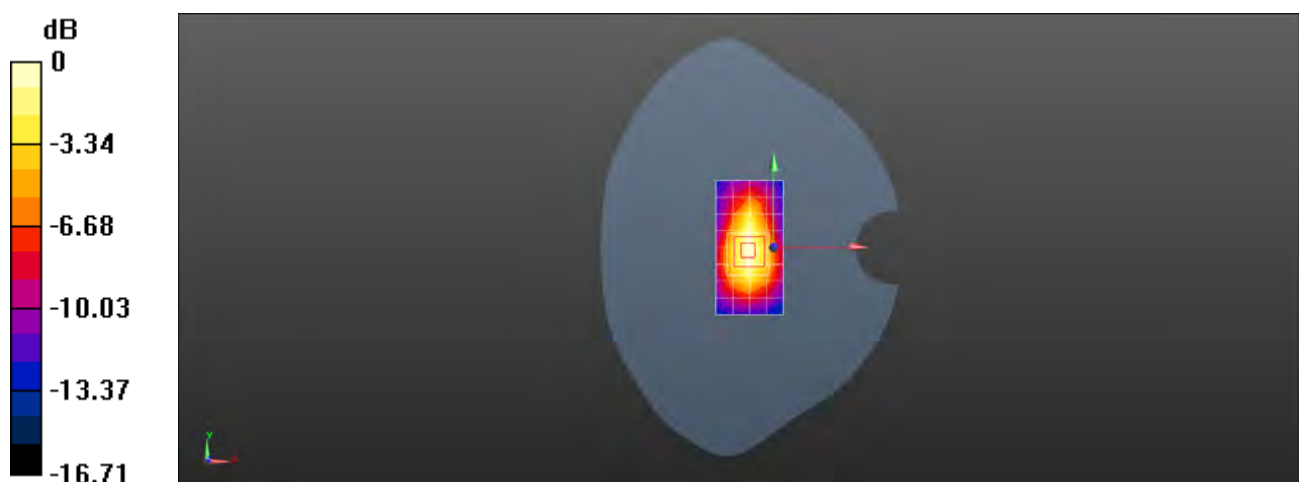
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.457 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.266 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.083 W/kg**

Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg = -6.70 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 802.11b 6CH Left cheek with Battery 2 Ant2

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

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: HSL2450;Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.839$  S/m;  $\epsilon_r = 38.045$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.01, 7.01, 7.01); 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) = 0.108 W/kg

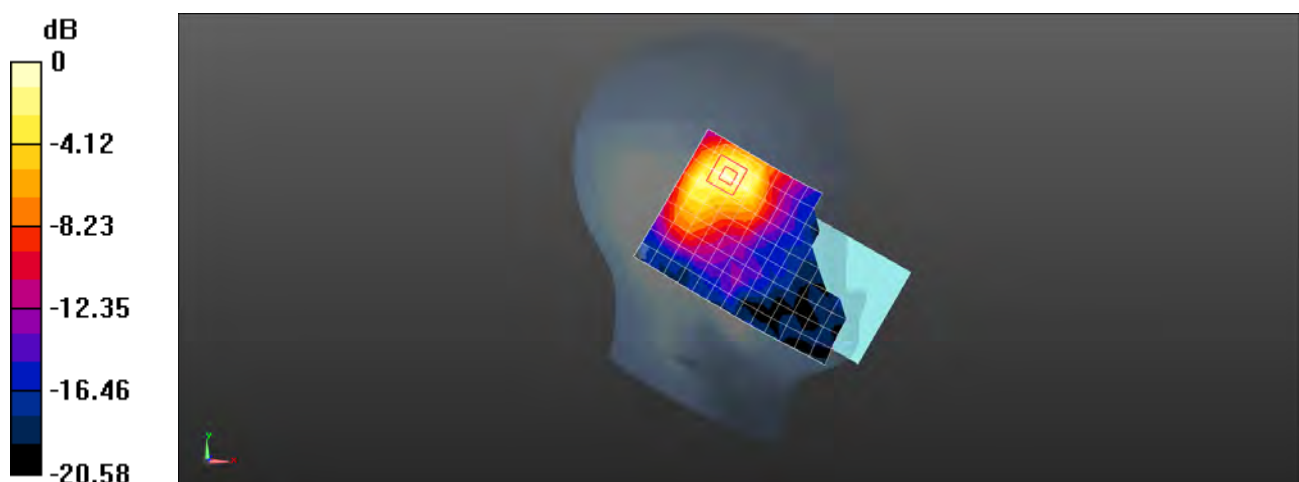
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.761 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.203 W/kg

**SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.039 W/kg**

Maximum value of SAR (measured) = 0.131 W/kg



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

Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 802.11b 6CH Back side 15mm with Battery 2 Ant2

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

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL2600;Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.984$  S/m;  $\epsilon_r = 52.757$ ;  $\rho = 1000$  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 (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.0424 W/kg

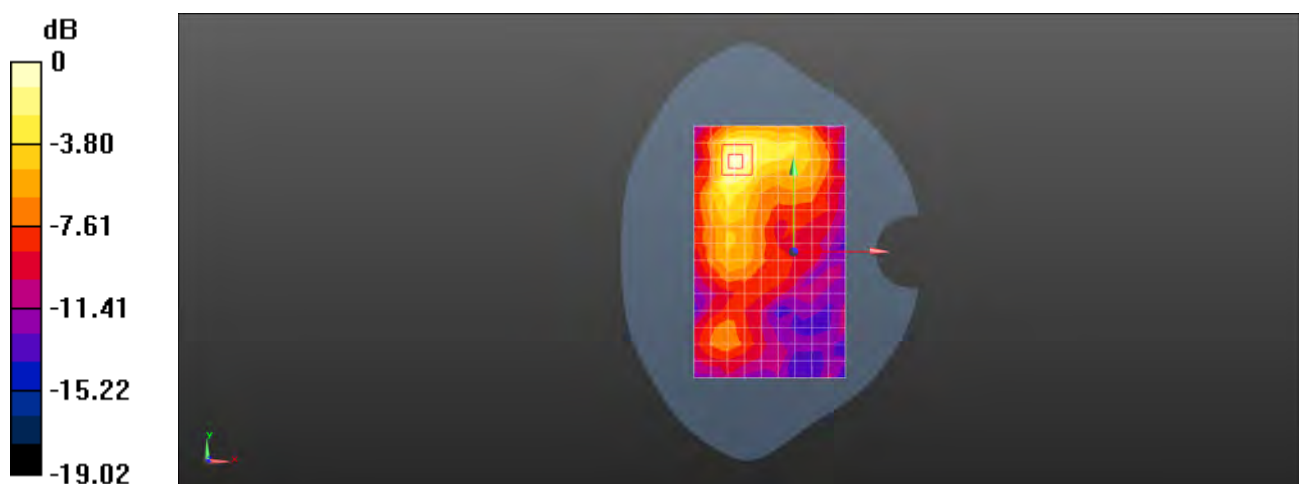
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.991 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0630 W/kg

**SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.018 W/kg**

Maximum value of SAR (measured) = 0.0479 W/kg



0 dB = 0.0479 W/kg = -13.20 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 802.11b 6CH Back side 10mm with Battery 2 Ant2

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

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL2600;Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.984$  S/m;  $\epsilon_r = 52.757$ ;  $\rho = 1000$  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 (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.109 W/kg

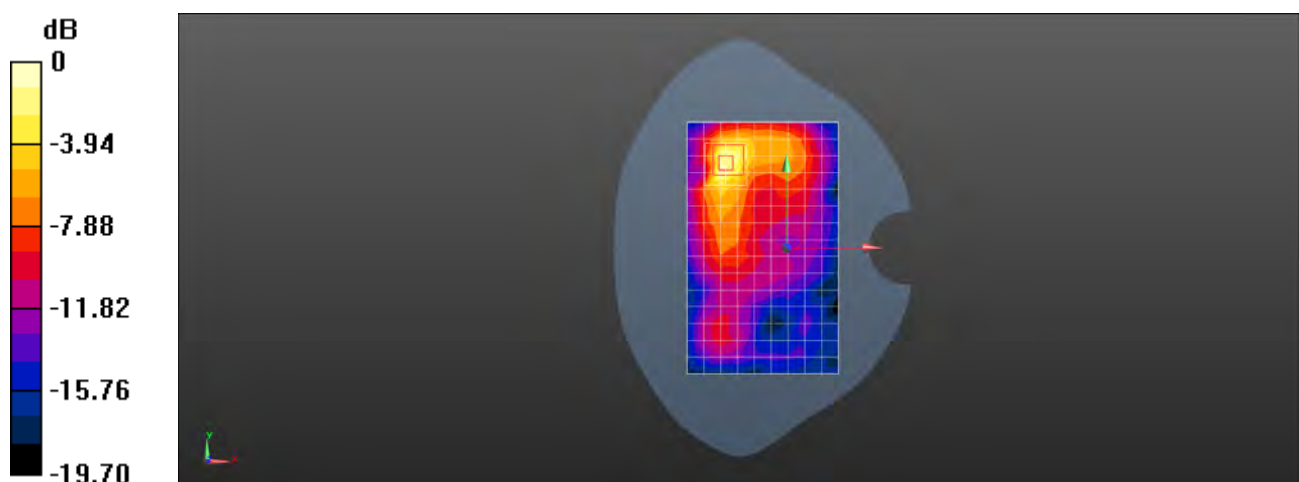
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.334 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.187 W/kg

**SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.042 W/kg**

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg = -8.54 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WIFI 802.11a 161CH Left cheek Ant1

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

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5805 MHz;Duty Cycle: 1:1

Medium: HSL5G;Medium parameters used:  $f = 5805$  MHz;  $\sigma = 5.349$  S/m;  $\epsilon_r = 34.447$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(5.05, 5.05, 5.05); Calibrated: 2018-1-11;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 23.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (11x19x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 0.998 W/kg

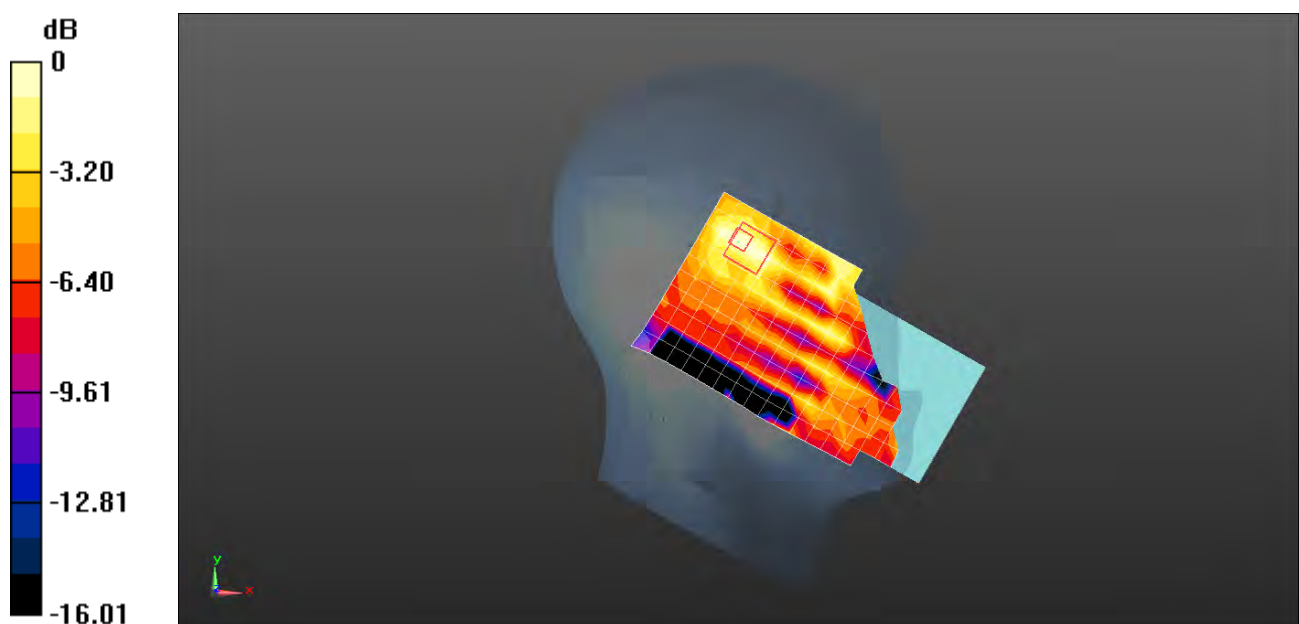
**Configuration/Head/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 5.932 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.916 W/kg



0 dB = 0.916 W/kg = -0.38 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 5G 802.11a 52CH Back side 15mm with Battery 2 Ant1

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

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5260 MHz;Duty Cycle: 1:1

Medium: MSL\_5G;Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.35$  S/m;  $\epsilon_r = 49.725$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(4.75, 4.75, 4.75); Calibrated: 2017-08-24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 23.0$
- 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 (11x20x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 0.619 W/kg

**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 0.6460 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.115 W/kg**

Maximum value of SAR (measured) = 0.681 W/kg



0 dB = 0.681 W/kg = -1.67 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 5G 802.11a 40CH Top side 10mm Ant1

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

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium: MSL\_5G;Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.307$  S/m;  $\epsilon_r = 49.929$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(4.75, 4.75, 4.75); Calibrated: 2017-08-24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 23.0$
- 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 (5x11x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 7.172 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.36 W/kg

**SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.191 W/kg**

Maximum value of SAR (measured) = 1.31 W/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 WiFi 5G 802.11a 116CH Top side 0mm Ant1

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

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5580 MHz;Duty Cycle: 1:1

Medium: MSL\_5G;Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.736$  S/m;  $\epsilon_r = 49.028$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(4.23, 4.23, 4.23); Calibrated: 2017-08-24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 23.0$
- 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 (5x11x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 18.8 W/kg

**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 19.72 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 74.3 W/kg

**SAR(1 g) = 9 W/kg; SAR(10 g) = 1.88 W/kg**

Maximum value of SAR (measured) = 30.0 W/kg



0 dB = 30.0 W/kg = 14.77 dBW/kg

Test Laboratory: SGS-SAR Lab

## PAN-L29 WIFI 802.11n-HT40 54CH Left tilted Ant2

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

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5270 MHz;Duty Cycle: 1:1

Medium: HSL5G;Medium parameters used:  $f = 5270$  MHz;  $\sigma = 4.735$  S/m;  $\epsilon_r = 36.567$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(5.68, 5.68, 5.68); Calibrated: 2018-1-11;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 23.0$
- Electronics: DAE4 Sn1428; Calibrated: 2018-1-17
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (11x19x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 0.665 W/kg

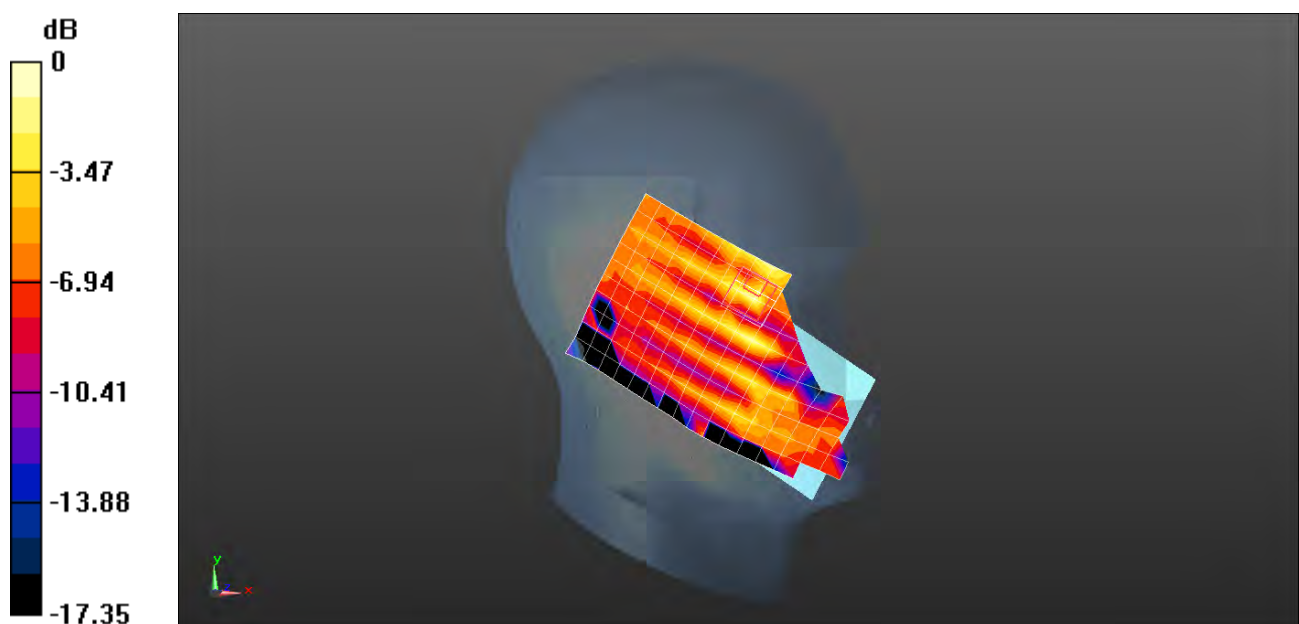
**Configuration/Head/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 4.517 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.793 W/kg

**SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.061 W/kg**

Maximum value of SAR (measured) = 0.788 W/kg



0 dB = 0.788 W/kg = -1.03 dBW/kg

Test Laboratory: SGS-SAR Lab

## HAM-L29 WIFI 802.11a 60CH Back side 15mm with Battery 2 Ant2

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

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5300 MHz;Duty Cycle: 1:1

Medium: MSL5G;Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.528$  S/m;  $\epsilon_r = 47.965$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(5.22, 5.22, 5.22); Calibrated: 2018-1-11;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 23.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x18x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 0.178 W/kg

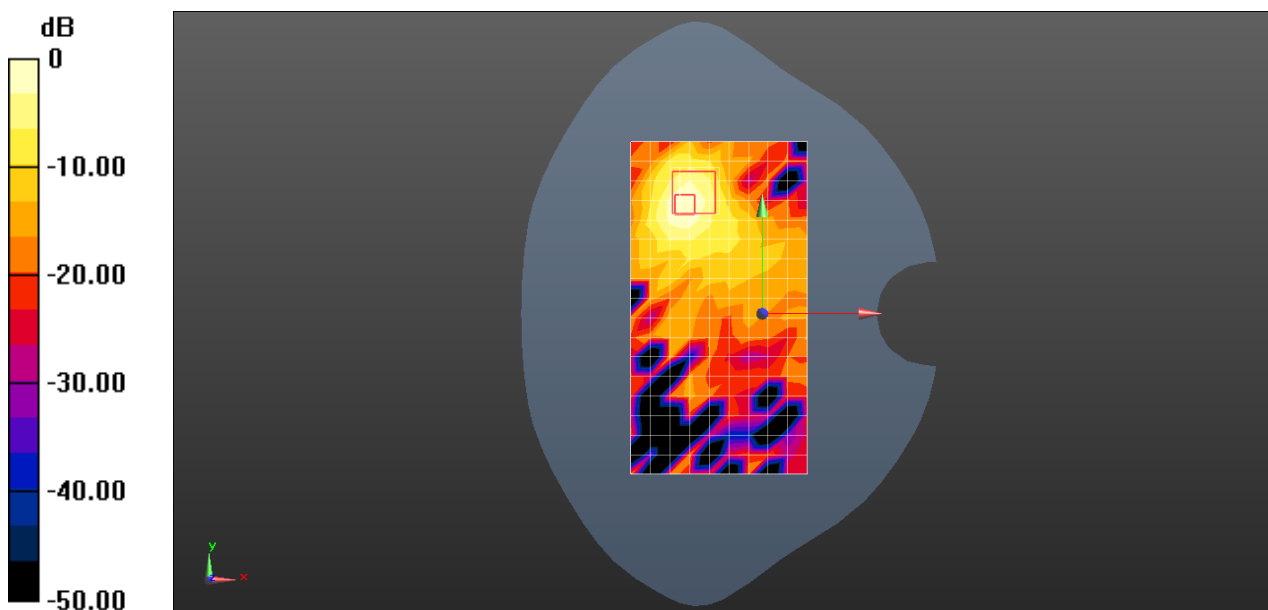
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 0.6310 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.335 W/kg

**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.020 W/kg**

Maximum value of SAR (measured) = 0.204 W/kg



0 dB = 0.204 W/kg = -6.90 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 WIFI 802.11a 48CH Back side 10mm with Battery 2 Ant2

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

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5240 MHz;Duty Cycle: 1:1

Medium: MSL5G;Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.459$  S/m;  $\epsilon_r = 48.111$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(5.22, 5.22, 5.22); Calibrated: 2018-1-11;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 23.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x18x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 0.564 W/kg

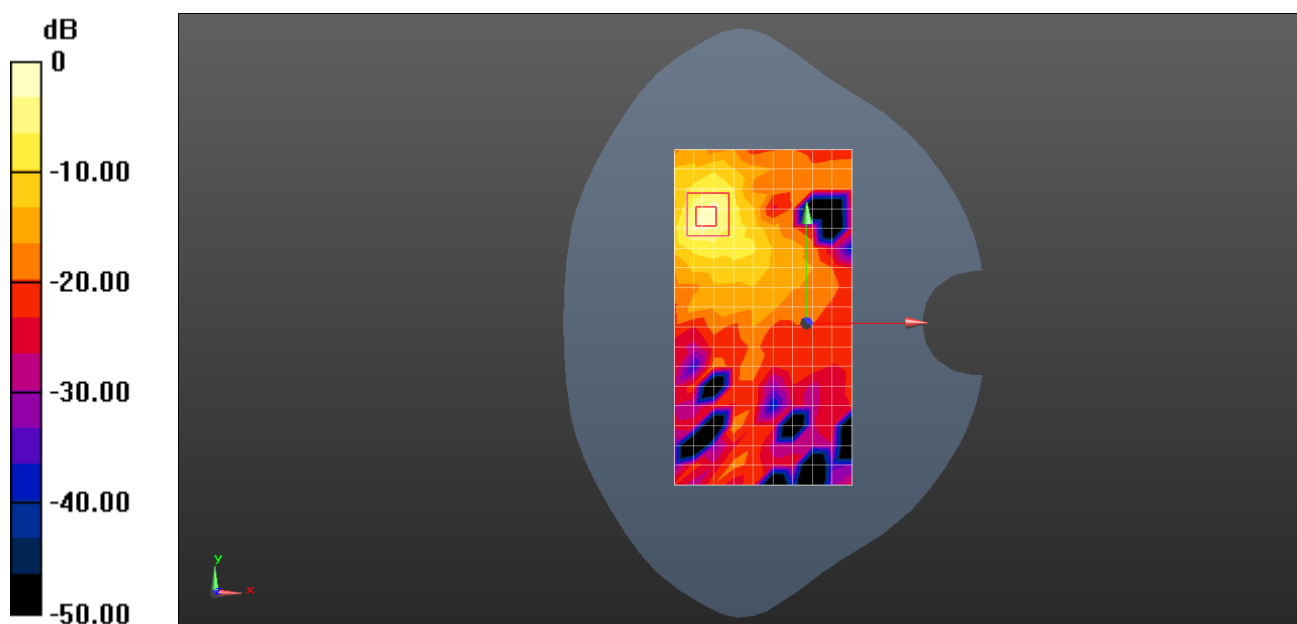
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 1.124 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.739 W/kg



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

Test Laboratory: SGS-SAR Lab

## HMA-L29 WIFI 802.11a 60CH Back side 0mm with Battery 2 Ant2

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

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5300 MHz;Duty Cycle: 1:1

Medium: MSL5G;Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.528$  S/m;  $\epsilon_r = 47.965$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(5.22, 5.22, 5.22); Calibrated: 2018-1-11;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 23.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x18x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 6.13 W/kg

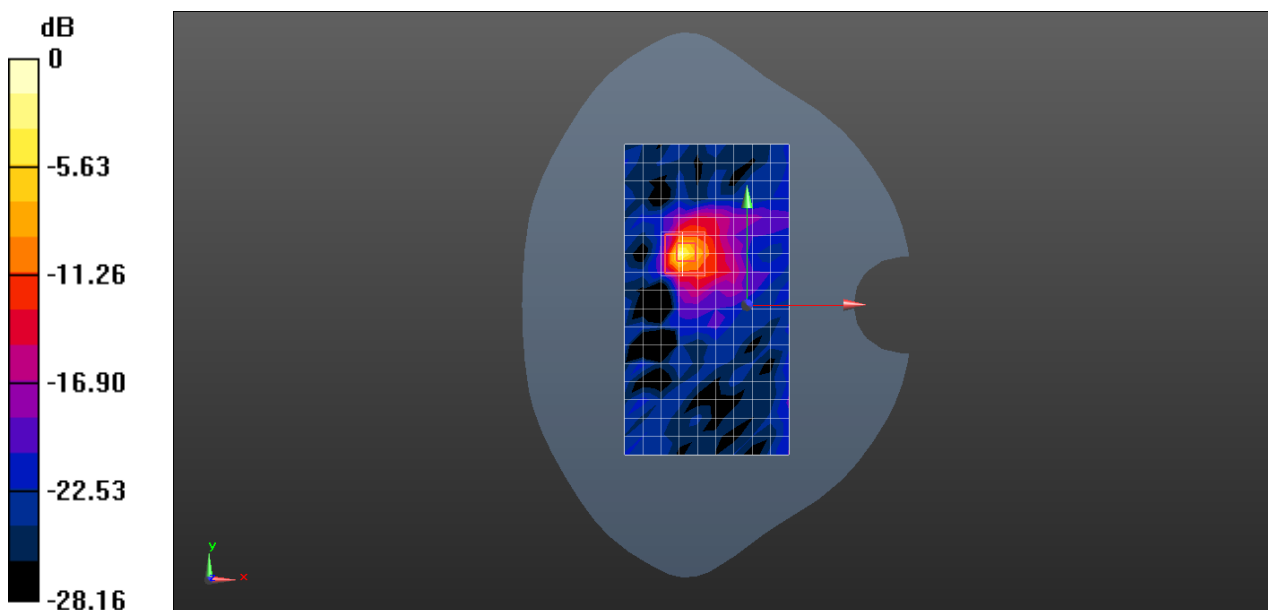
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 6.162 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 21.36 W/kg

**SAR(1 g) = 2.69 W/kg; SAR(10 g) = 0.446 W/kg**

Maximum value of SAR (measured) = 10.14 W/kg



0 dB = 10.14 W/kg = 10.06 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 Bluetooth DH5 39CH Left cheek

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

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

Medium: HSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.848$  S/m;  $\epsilon_r = 38.018$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.01, 7.01, 7.01); 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) = 0.125 W/kg

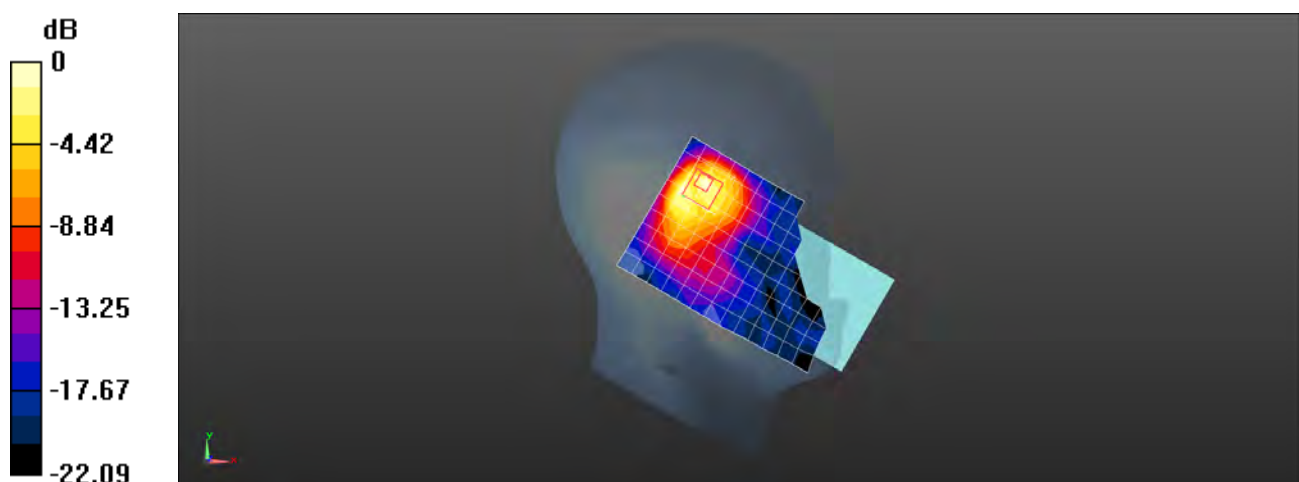
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.309 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.182 W/kg

**SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.037 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 Bluetooth DH5 39CH Front side 15mm with Battery 2

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

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

Medium: MSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.953$  S/m;  $\epsilon_r = 52.558$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.78, 7.78, 7.78); 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 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.0515 W/kg

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

Reference Value = 4.138 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0700 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.0539 W/kg



0 dB = 0.0539 W/kg = -12.68 dBW/kg



Test Laboratory: SGS-SAR Lab

## HMA-L29 Bluetooth DH5 39CH Top side 10mm

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

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

Medium: MSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.953$  S/m;  $\epsilon_r = 52.558$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.78, 7.78, 7.78); 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 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0774 W/kg

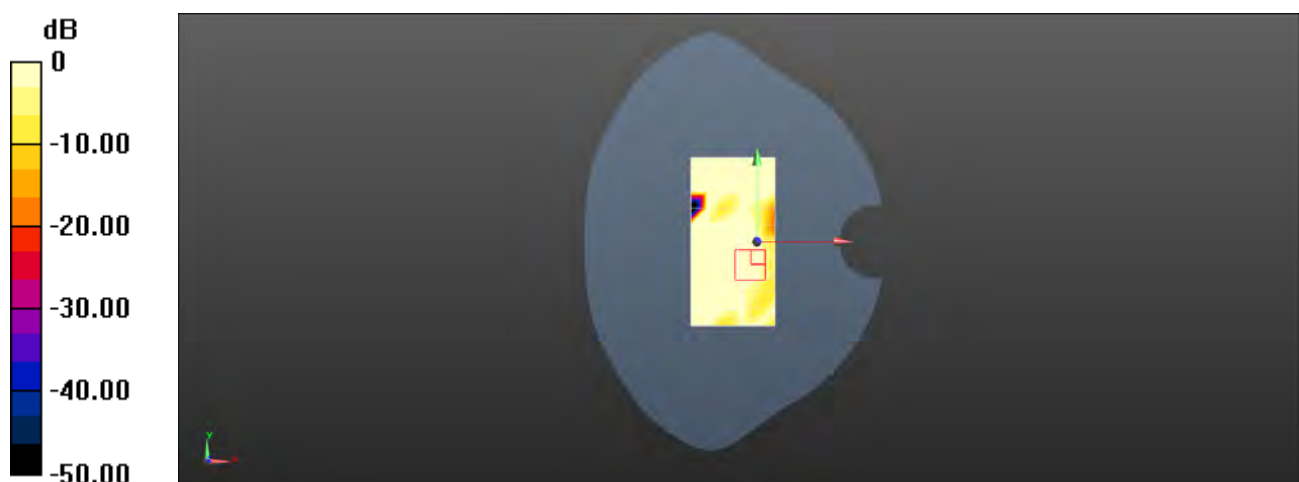
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.271 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.111 W/kg

**SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.027 W/kg**

Maximum value of SAR (measured) = 0.0686 W/kg



0 dB = 0.0686 W/kg = -11.64 dBW/kg

Test Laboratory: SGS-SAR Lab

## HMA-L29 Bluetooth DH5 39CH Top side 0mm

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

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

Medium: MSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.953$  S/m;  $\epsilon_r = 52.558$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.78, 7.78, 7.78); 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 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

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

Reference Value = 9.641 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.907 W/kg

**SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.102 W/kg**

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

