



# **Appendix B**

## **Detailed Test Results**

1. GSM
GSM850 for Body
GSM1900 for Body
2. WCDMA
WCDMA Band II for Body
WCDMA Band V for Body
3. LTE
LTE Band 2 for Body
LTE Band 5 for Body
LTE Band 12 for Body
LTE Band 66 for Body
LTE Band 71 for Body
4. WIFI
WIFI 2.4G for Body

Test Laboratory: SGS-SAR Lab

## GSM850 GPRS 2TS 190CH Back side 15mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

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

Medium: HSL835; Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.912$  S/m;  $\epsilon_r = 42.962$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.37, 10.37, 10.37); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.675 W/kg

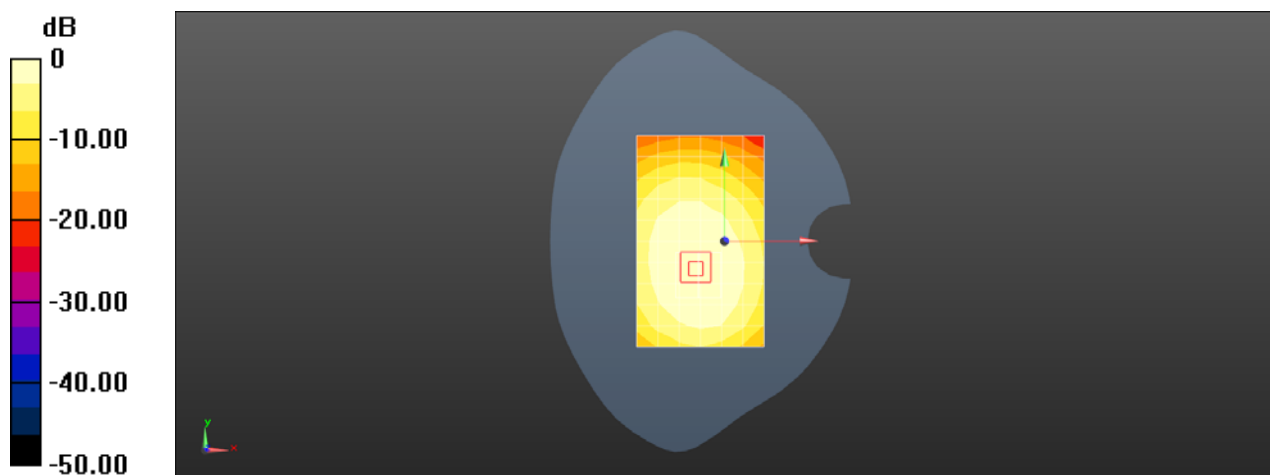
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.54 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.764 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.414 W/kg**

Maximum value of SAR (measured) = 0.692 W/kg



Test Laboratory: SGS-SAR Lab

## GSM850 GPRS 2TS 128CH Back side 10mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.14954

Medium: HSL835; Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.903$  S/m;  $\epsilon_r = 43.045$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.37, 10.37, 10.37); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.926 W/kg

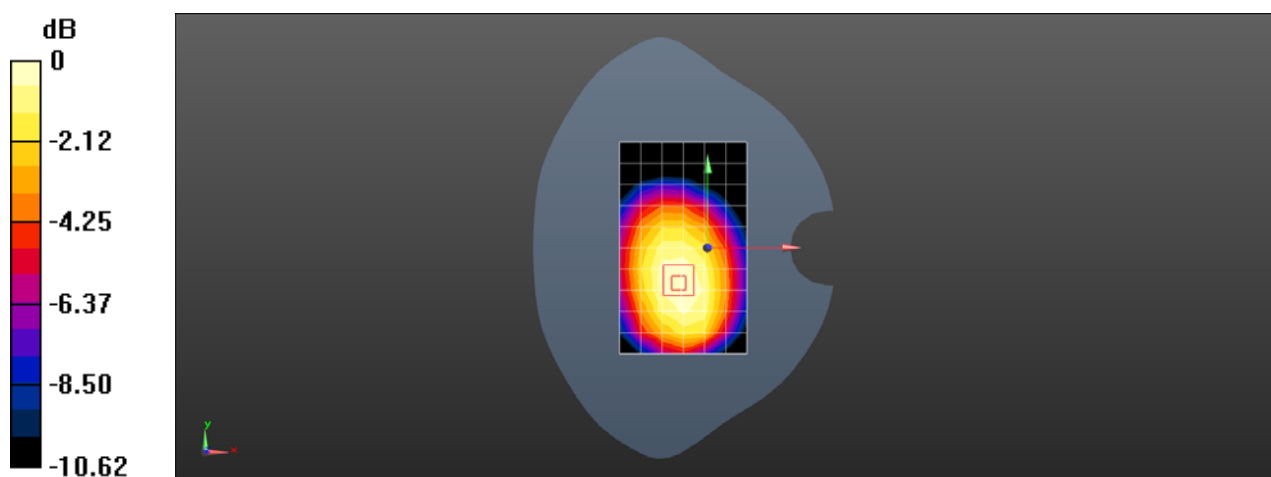
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 26.24 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.753 W/kg; SAR(10 g) = 0.555 W/kg**

Maximum value of SAR (measured) = 0.928 W/kg



0 dB = 0.928 W/kg = -0.32 dBW/kg

Test Laboratory: SGS-SAR Lab

## GSM 1900 GPRS 3TS 661CH Back side 15mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 69008547**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 40.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.286 W/kg

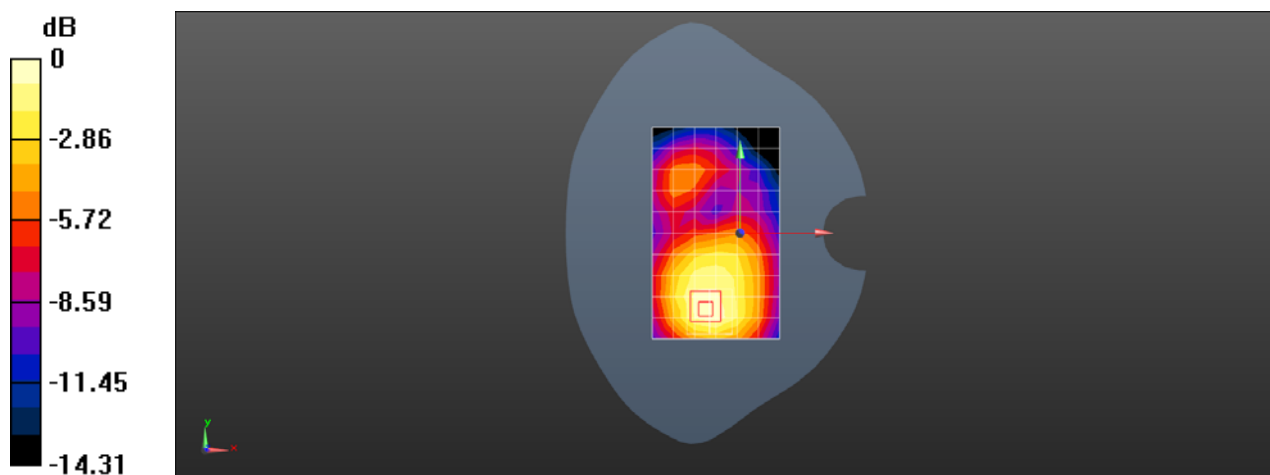
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.079 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.354 W/kg

**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.136 W/kg**

Maximum value of SAR (measured) = 0.304 W/kg



0 dB = 0.304 W/kg = -5.17 dBW/kg

Test Laboratory: SGS-SAR Lab

## GSM 1900 GPRS 3TS 661CH Bottom side 10mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 69008547**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 40.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

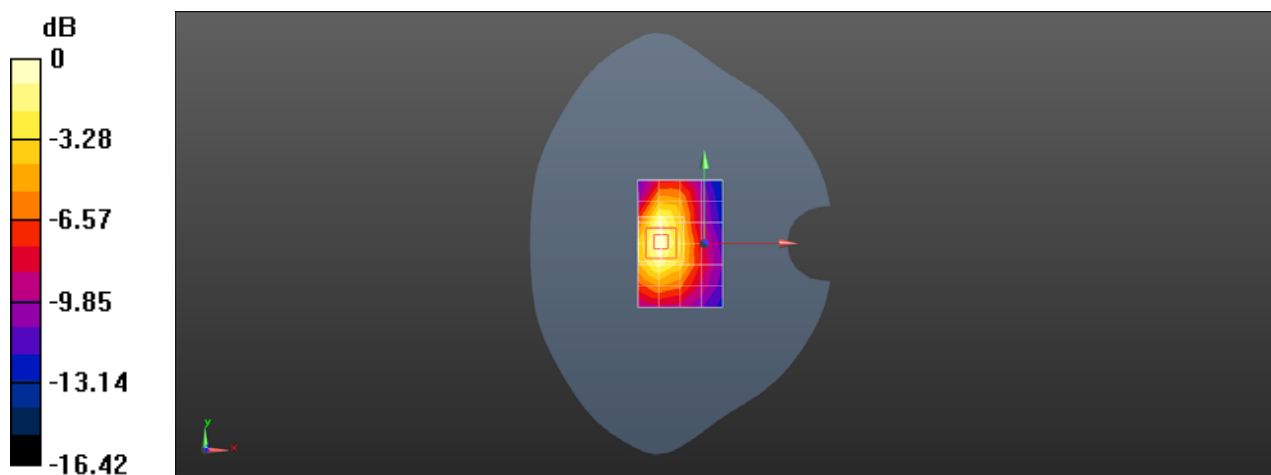
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.68 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.672 W/kg

**SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.223 W/kg**

Maximum value of SAR (measured) = 0.568 W/kg



0 dB = 0.568 W/kg = -2.46 dBW/kg

Test Laboratory: SGS-SAR Lab

## WCDMA Band II 9400CH Back side 15mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 69008547**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 40.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.467 W/kg

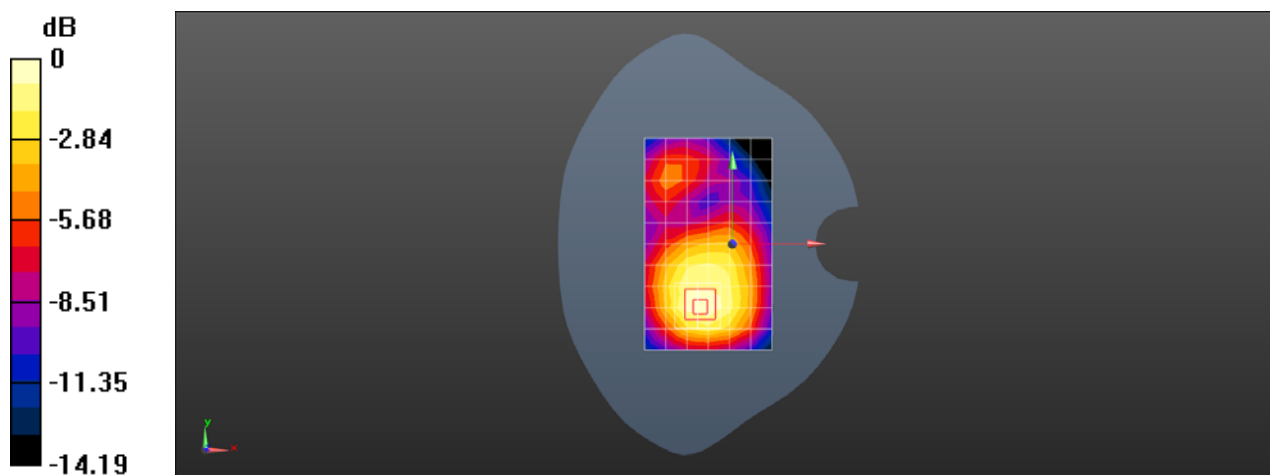
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.05 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.558 W/kg

**SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.215 W/kg**

Maximum value of SAR (measured) = 0.473 W/kg



0 dB = 0.473 W/kg = -3.25 dBW/kg

Test Laboratory: SGS-SAR Lab

## WCDMA Band II 9400CH Back side 10mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 69008547**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 40.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.778 W/kg

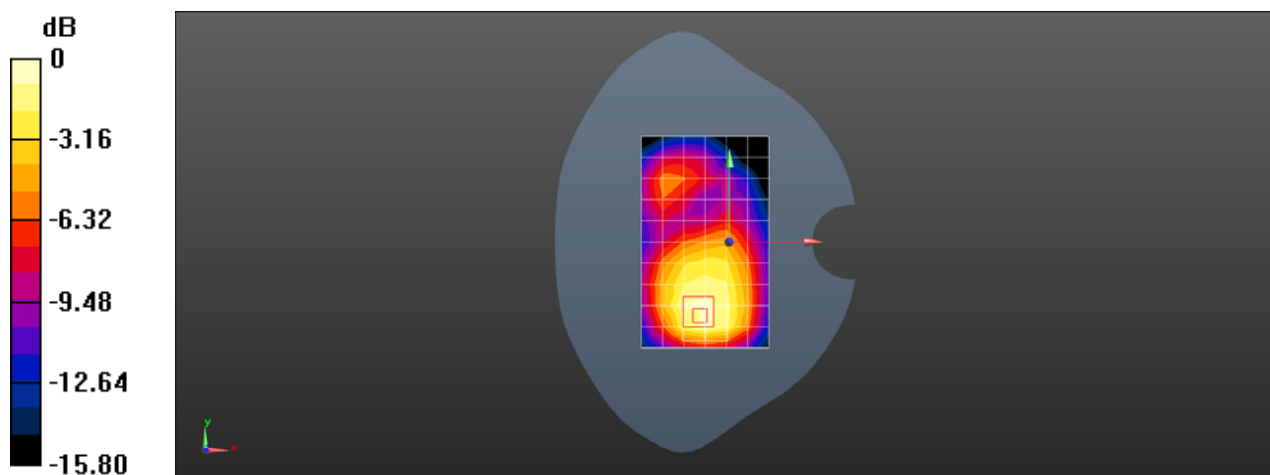
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.81 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.389 W/kg**

Maximum value of SAR (measured) = 0.903 W/kg



Test Laboratory: SGS-SAR Lab

## WCDMA Band IV 1412CH Back side 15mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 68f8a6c3**

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

Medium: HSL1750; Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.321$  S/m;  $\epsilon_r = 40.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.92, 8.92, 8.92); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

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

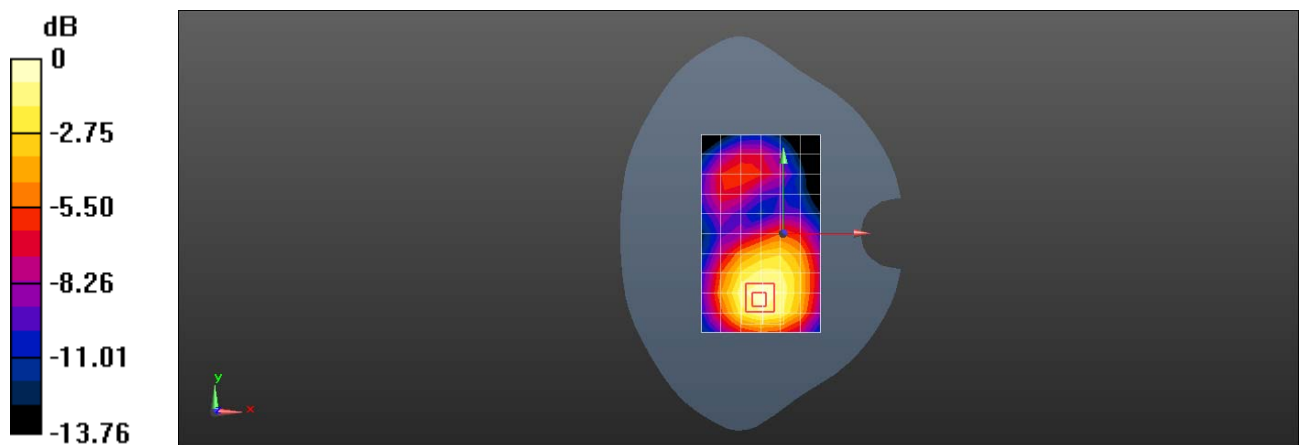
Reference Value = 8.380 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.675 W/kg

**SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.279 W/kg**

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

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



0 dB = 0.585 W/kg = -2.33 dBW/kg



Test Laboratory: SGS-SAR Lab

## WCDMA Band IV 1513CH Back side 10mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

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

Medium: HSL1750; Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.35$  S/m;  $\epsilon_r = 40.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.92, 8.92, 8.92); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.39 W/kg

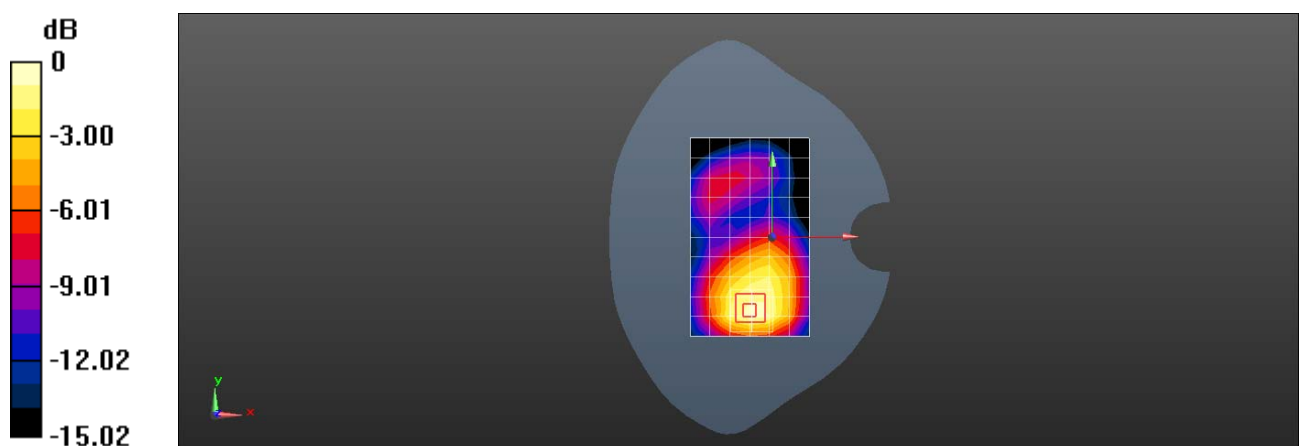
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.68 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.645 W/kg**

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



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

Test Laboratory: SGS-SAR Lab

## WCDMA Band V 4182CH Back side 15mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

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

Medium: HSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.912$  S/m;  $\epsilon_r = 42.967$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.37, 10.37, 10.37); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.548 W/kg

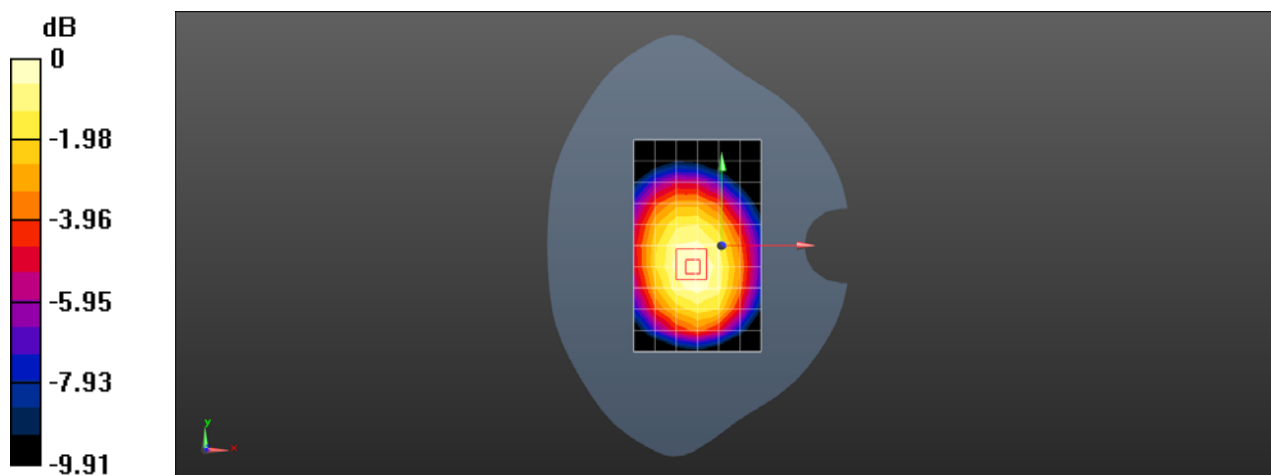
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.50 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.326 W/kg**

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



0 dB = 0.551 W/kg = -2.59 dBW/kg

Test Laboratory: SGS-SAR Lab

## WCDMA Band V 4182CH Back side 10mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

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

Medium: HSL835; Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.912$  S/m;  $\epsilon_r = 42.967$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.37, 10.37, 10.37); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.678 W/kg

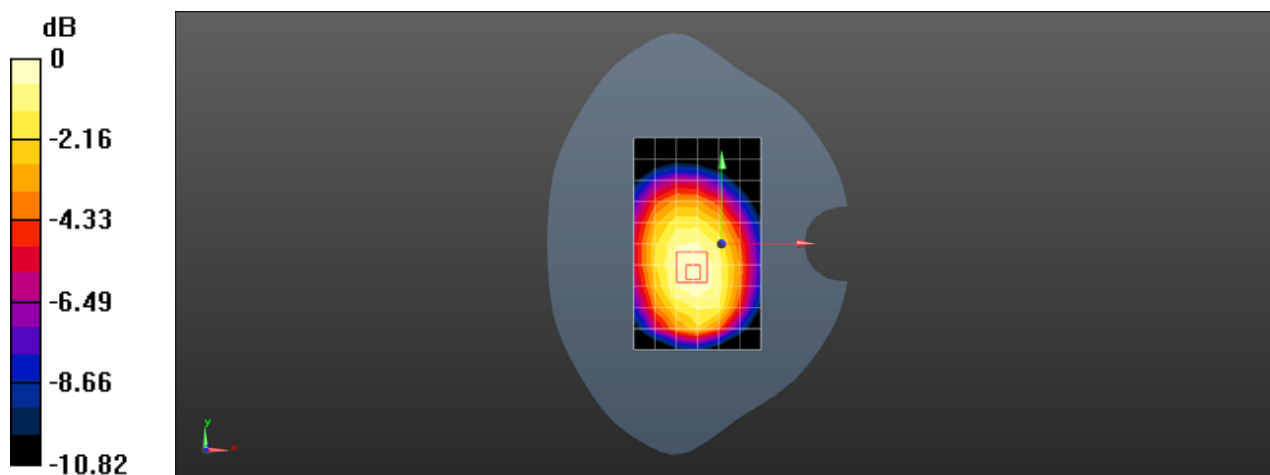
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.58 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.771 W/kg

**SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.406 W/kg**

Maximum value of SAR (measured) = 0.697 W/kg



0 dB = 0.697 W/kg = -1.57 dBW/kg

Test Laboratory: SGS-SAR Lab

## **LTE Band 2 20M QPSK 1RB50 18900CH Back side 15mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 69008547**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 40.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

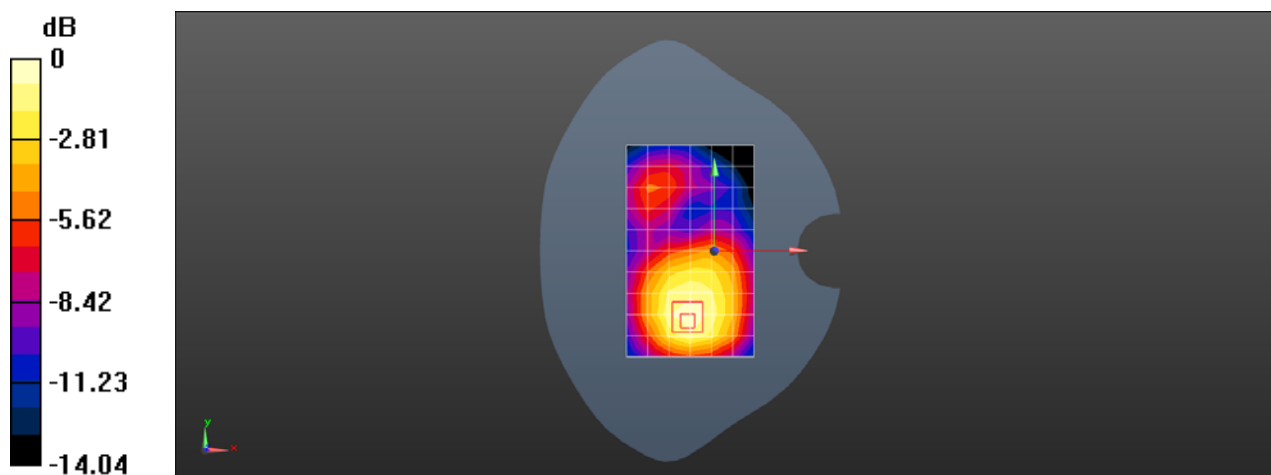
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.38 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.709 W/kg

**SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 0.598 W/kg



0 dB = 0.598 W/kg = -2.23 dBW/kg

Test Laboratory: SGS-SAR Lab

## **LTE Band 2 20M QPSK 1RB50 18900CH Back side 10mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 69008547**

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

Medium: HSL1900; Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 40.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.09 W/kg

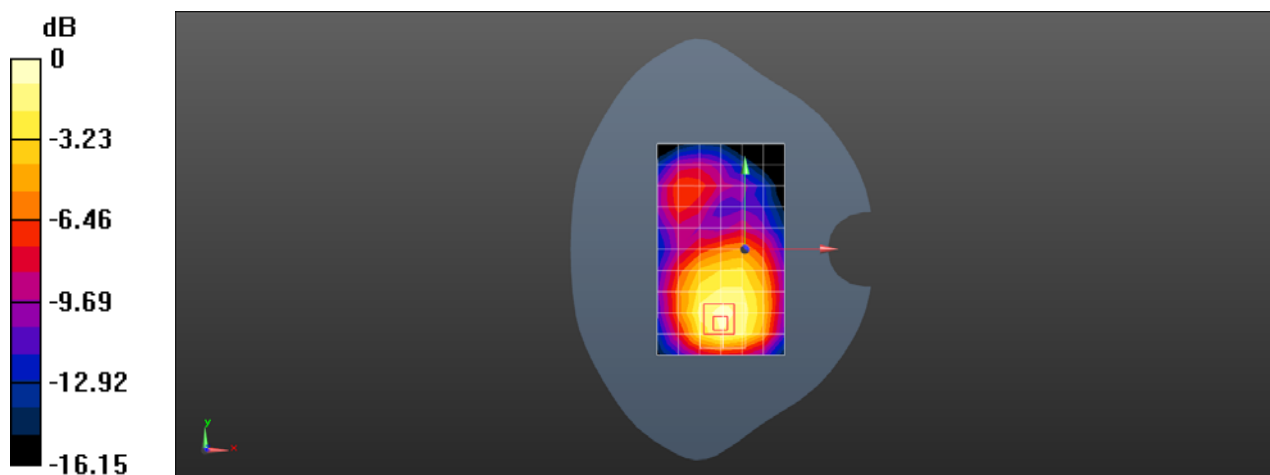
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.57 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.505 W/kg**

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



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

Test Laboratory: SGS-SAR Lab

## **LTE Band 5 10M QPSK 1RB25 20600CH Back side 15mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

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

Medium: HSL835; Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 42.922$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.37, 10.37, 10.37); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

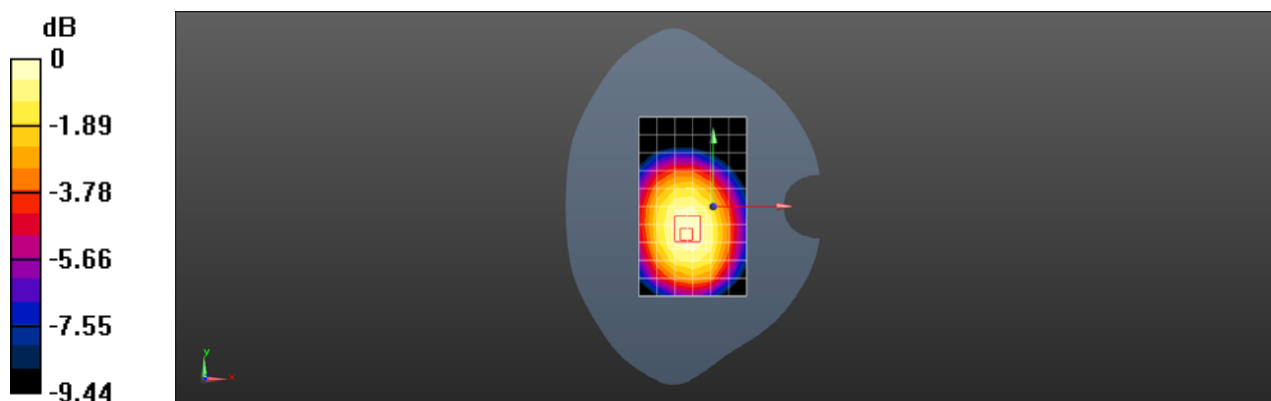
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.78 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.662 W/kg

**SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.352 W/kg**

Maximum value of SAR (measured) = 0.596 W/kg



Test Laboratory: SGS-SAR Lab

## **LTE Band 5 10M QPSK 1RB25 20600CH Back side 10mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

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

Medium: HSL835; Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 42.922$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.37, 10.37, 10.37); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.752 W/kg

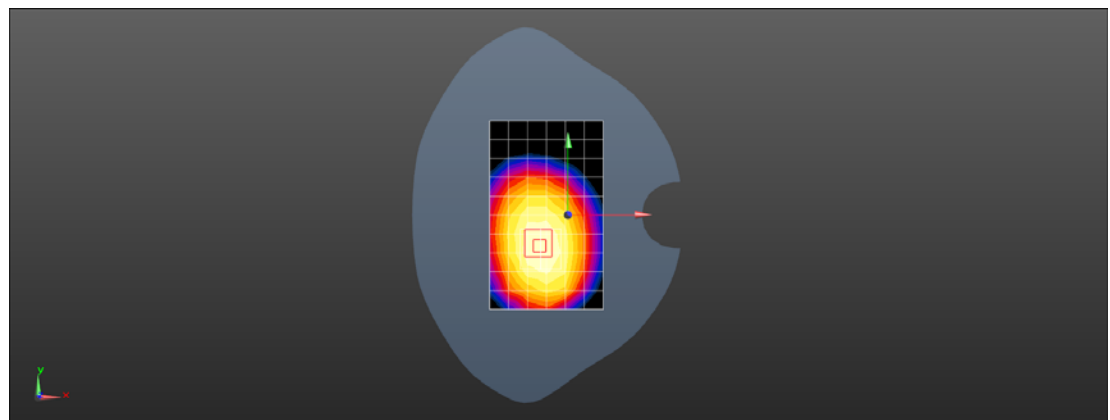
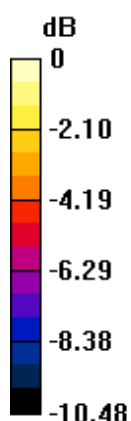
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 24.06 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.846 W/kg

**SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.454 W/kg**

Maximum value of SAR (measured) = 0.757 W/kg



0 dB = 0.757 W/kg = -1.21 dBW/kg

Test Laboratory: SGS-SAR Lab

## **LTE Band 12 10M QPSK 1RB0 23060CH Back side 15mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 68f8a6c3**

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

Medium: HSL750; Medium parameters used:  $f = 704 \text{ MHz}$ ;  $\sigma = 0.882 \text{ S/m}$ ;  $\epsilon_r = 41.804$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) =  $0.290 \text{ W/kg}$

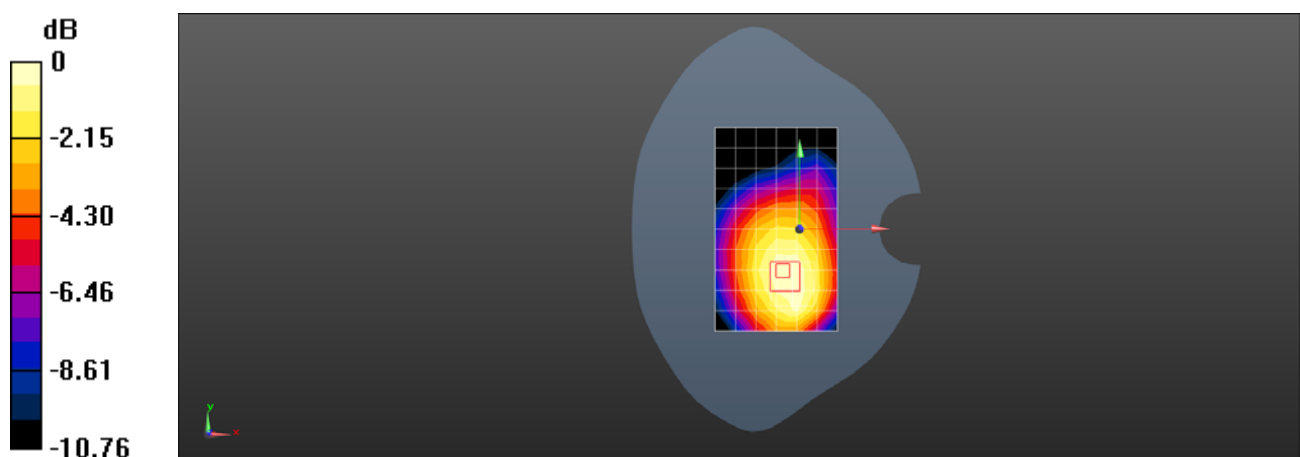
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $13.32 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

Peak SAR (extrapolated) =  $0.337 \text{ W/kg}$

**SAR(1 g) =  $0.229 \text{ W/kg}$ ; SAR(10 g) =  $0.165 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.295 \text{ W/kg}$



0 dB =  $0.295 \text{ W/kg}$  =  $-5.30 \text{ dBW/kg}$



Test Laboratory: SGS-SAR Lab

## **LTE Band 12 10M QPSK 1RB0 23060CH Back side 10mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 68f8a6c3**

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

Medium: HSL750; Medium parameters used:  $f = 704 \text{ MHz}$ ;  $\sigma = 0.882 \text{ S/m}$ ;  $\epsilon_r = 41.804$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) =  $0.454 \text{ W/kg}$

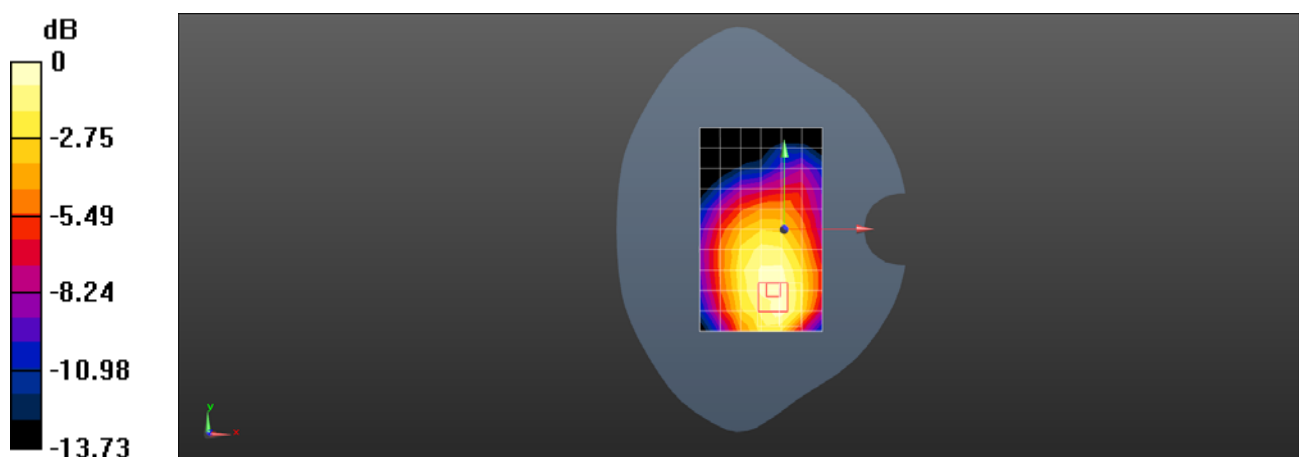
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $15.40 \text{ V/m}$ ; Power Drift =  $0.11 \text{ dB}$

Peak SAR (extrapolated) =  $0.602 \text{ W/kg}$

**SAR(1 g) =  $0.341 \text{ W/kg}$ ; SAR(10 g) =  $0.233 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.479 \text{ W/kg}$



0 dB =  $0.479 \text{ W/kg}$  =  $-3.20 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

## **LTE Band 66 20M QPSK 1RB50 132572CH Back side 15mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.367$  S/m;  $\epsilon_r = 40.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.92, 8.92, 8.92); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.752 W/kg

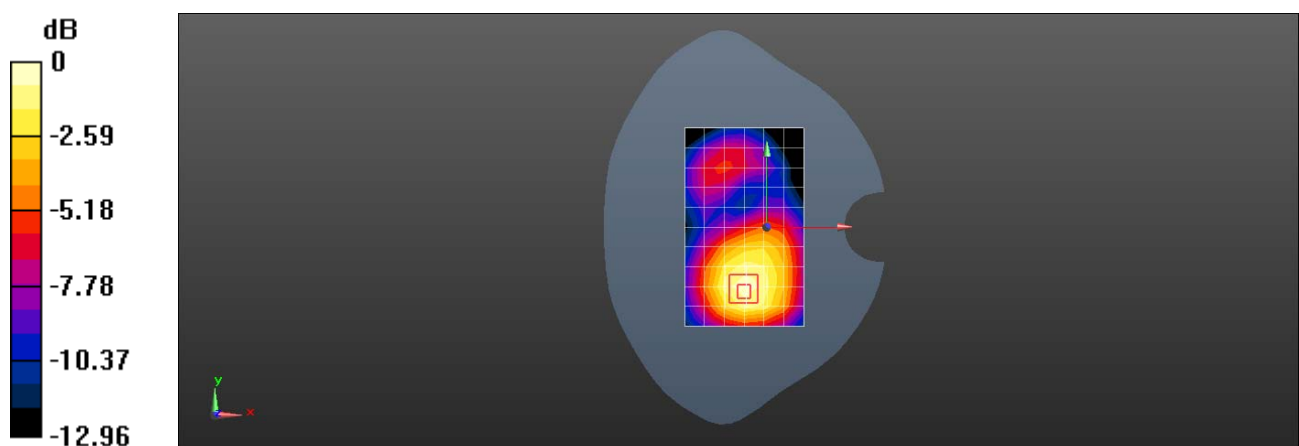
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.47 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.920 W/kg

**SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.377 W/kg**

Maximum value of SAR (measured) = 0.781 W/kg



Test Laboratory: SGS-SAR Lab

## **LTE Band 66 20M QPSK 1RB50 132072CH Bottom side 10mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 6900928e**

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

Medium: HSL1750; Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.306$  S/m;  $\epsilon_r = 40.714$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.92, 8.92, 8.92); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2019-01-11
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.24 W/kg

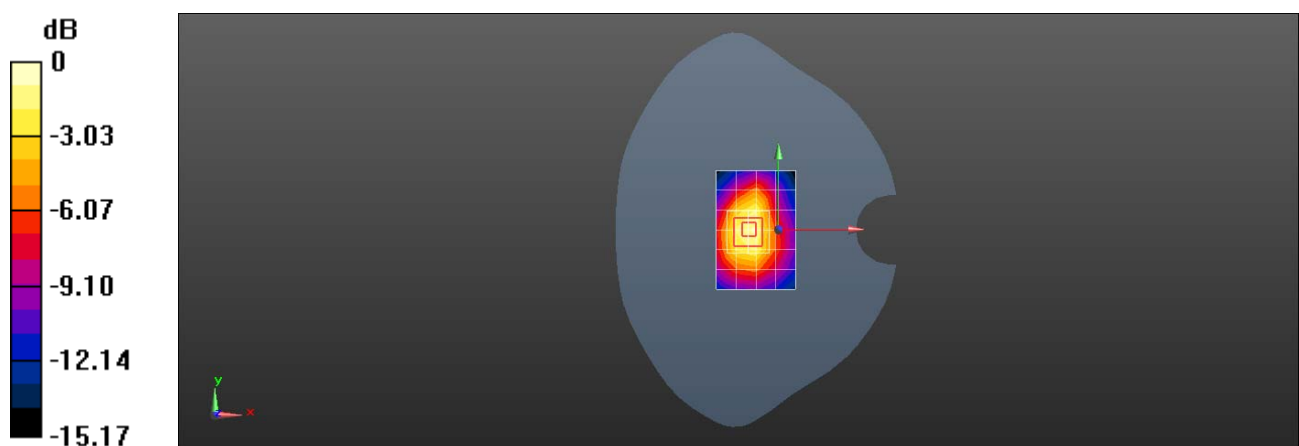
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 27.08 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.67 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.606 W/kg**

Maximum value of SAR (measured) = 1.46 W/kg



Test Laboratory: SGS-SAR Lab

## **LTE Band 71 20M QPSK 1RB50 133372CH Back side 15mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 68f8a6c3**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 688 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (extrapolated):  $f = 688$  MHz;  $\sigma = 0.877$  S/m;  $\epsilon_r = 41.893$ ;

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

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.302 W/kg

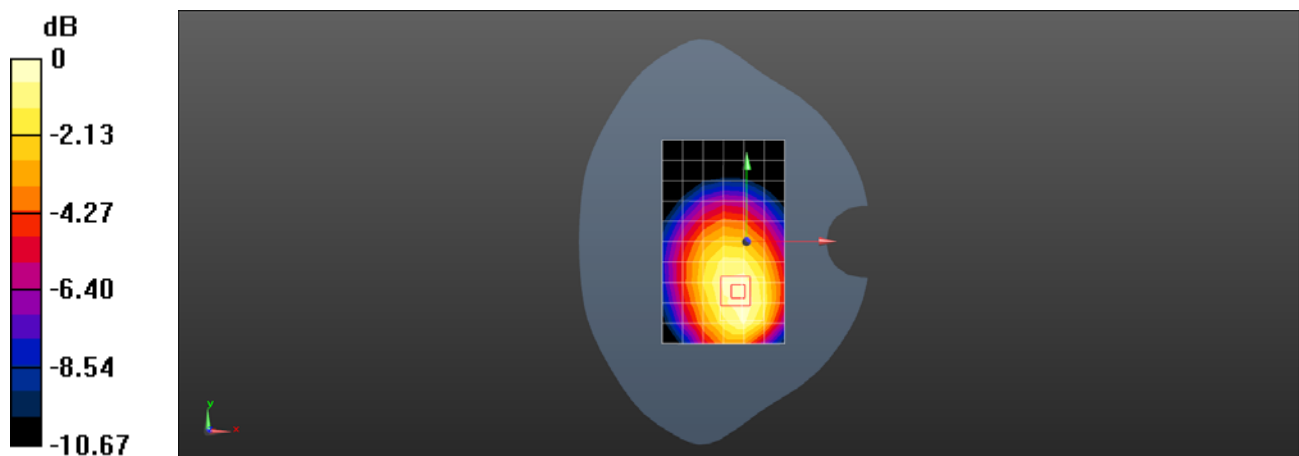
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.07 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.349 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.172 W/kg**

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.307 W/kg = -5.13 dBW/kg

Test Laboratory: SGS-SAR Lab

## **LTE Band 71 20M QPSK 1RB50 133372CH Back side 10mm**

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 68f8a6c3**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 688 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (extrapolated):  $f = 688$  MHz;  $\sigma = 0.877$  S/m;  $\epsilon_r = 41.893$ ;

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

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.467 W/kg

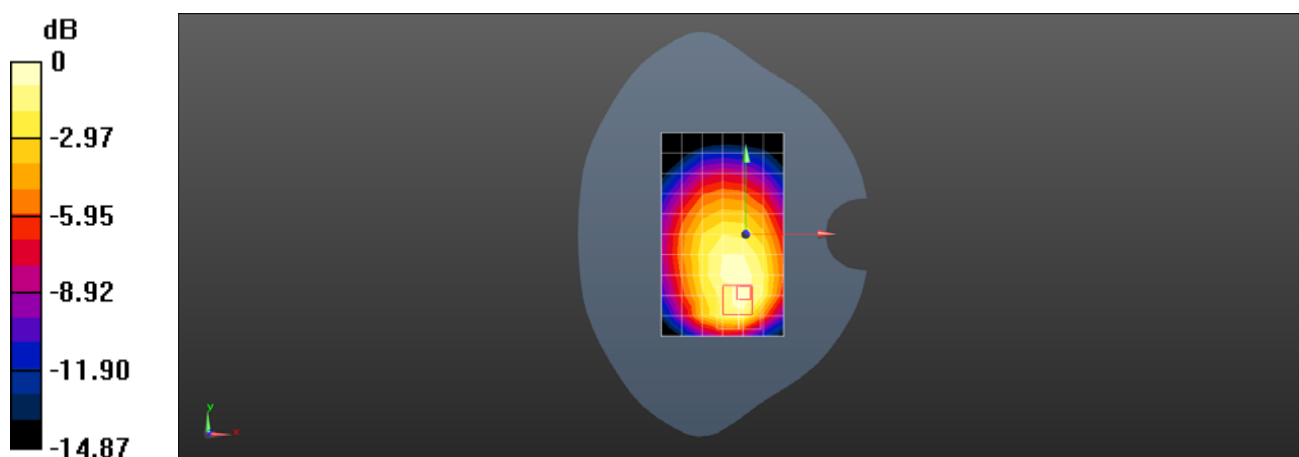
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.37 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.626 W/kg

**SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.219 W/kg**

Maximum value of SAR (measured) = 0.491 W/kg



Test Laboratory: SGS-SAR Lab

## WIFI 2.4G 802.11b 6CH Back side 15mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 68f8a6c3**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0243

Medium: HSL2450; Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.775$  S/m;  $\epsilon_r = 40.75$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.93, 6.93, 6.93); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.177 W/kg

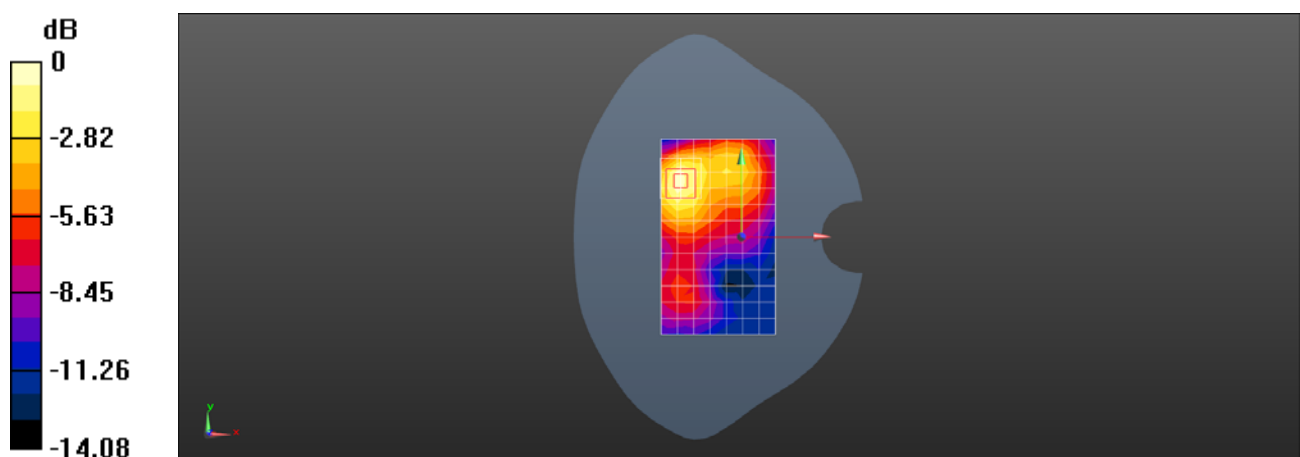
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.040 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.240 W/kg

**SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.070 W/kg**

Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg = -7.06 dBW/kg

Test Laboratory: SGS-SAR Lab

## WIFI 2.4G 802.11b 6CH Back side 10mm

**DUT: BG1000; Type: Livongo Blood Glucose Monitoring System; Serial: 68f8a6c3**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0243

Medium: HSL2450; Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.775$  S/m;  $\epsilon_r = 40.75$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.93, 6.93, 6.93); Calibrated: 2019-03-25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE3 Sn414; Calibrated: 2018-12-03
- Phantom: SAM 1; Type: SAM; Serial: 1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.309 W/kg

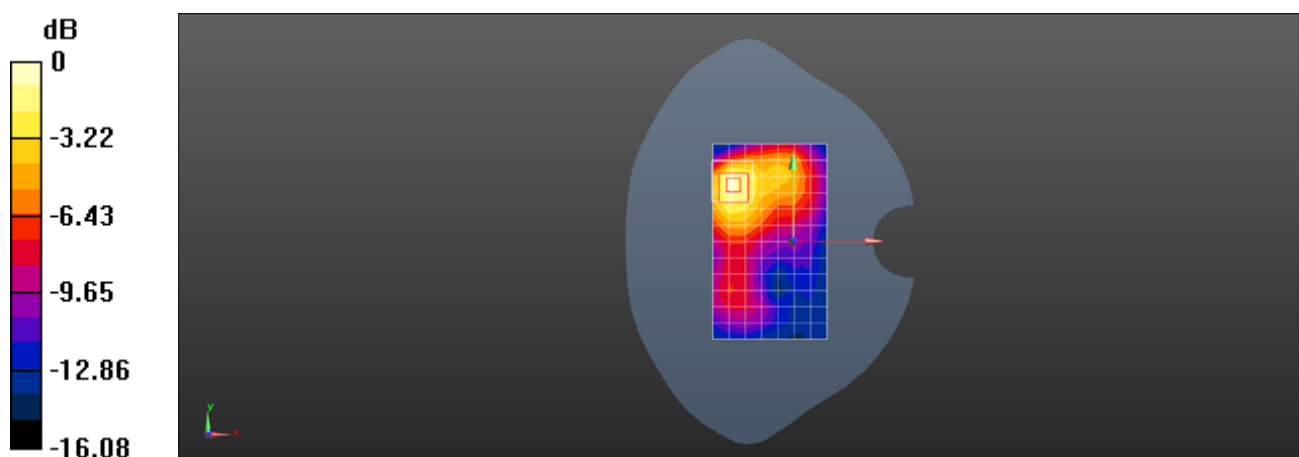
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.069 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.433 W/kg

**SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.116 W/kg**

Maximum value of SAR (measured) = 0.348 W/kg



0 dB = 0.348 W/kg = -4.58 dBW/kg