

# Appendix B. MEASUREMENT SCANS

## GSM850 Body Back Side Mid

Medium: HSL900

Communication System: GPRS FDD(TDMA,GSMK); Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz;Duty Cycle: 1:5.01187

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(9.43, 9.43, 9.43); Calibrated: 2020.06.16.;  
Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**GPRS 850\_Facedown/Mid 2 2/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 21.105 V/m; Power Drift = -0.08 dB

**Fast SAR: SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.319 mW/g**

Maximum value of SAR (interpolated) = 0.677 W/kg

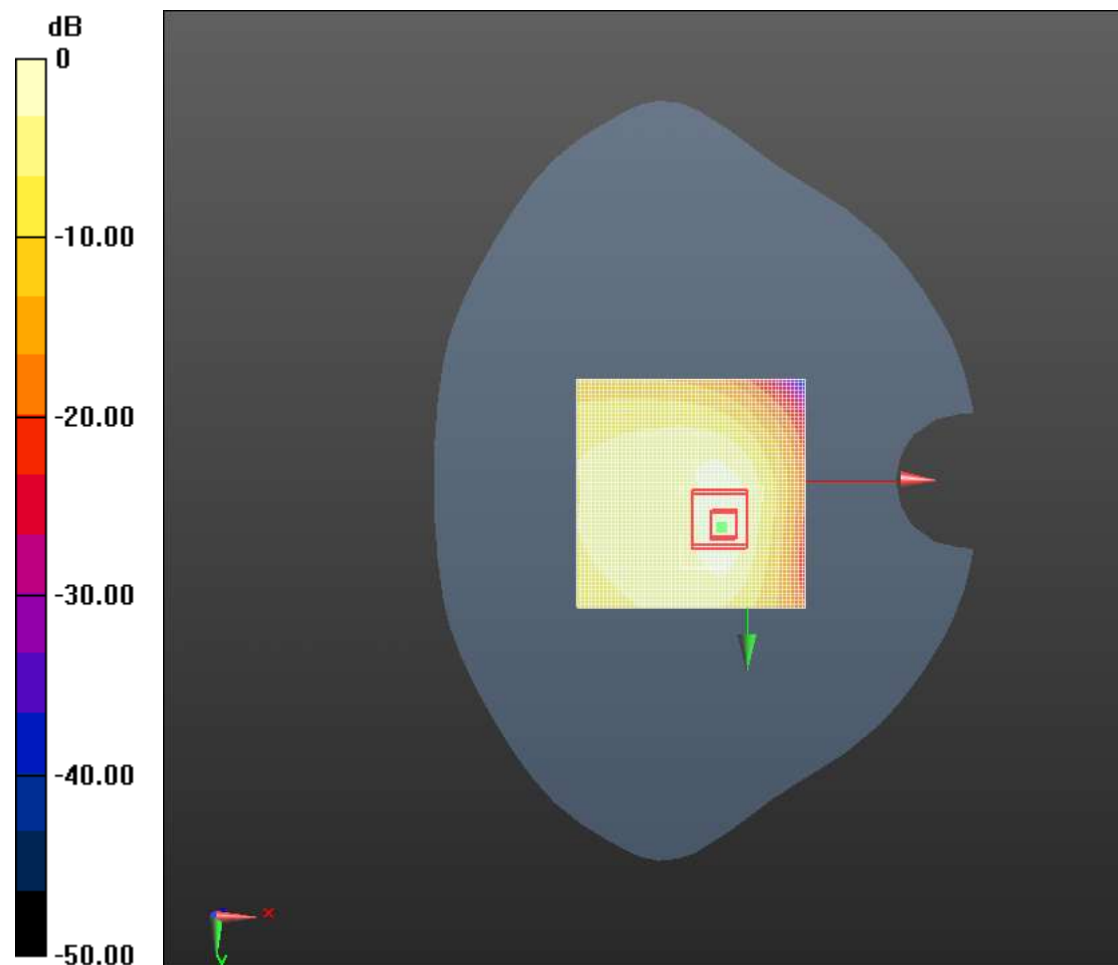
**GPRS 850\_Facedown/Mid 2 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.105 V/m; Power Drift =-0.08 dB

Peak SAR (extrapolated) = 1.116 mW/g

**SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.295 mW/g**

Maximum value of SAR (measured) = 0.672 W/kg



0 dB = 0.677 W/kg = -3.39 dB W/kg

## GPRS1900 Body Back Side 0MM

Medium: HSL1900

Communication System: GPRS FDD(TDMA,GSMK); Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz;Duty Cycle: 1:5.01187

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(7.92, 7.92, 7.92); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**1900\_GPRS/GPRS1900 Facedown-Mid/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 23.279 V/m; Power Drift = -0.01 dB

**Fast SAR: SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.376 mW/g**

Maximum value of SAR (interpolated) = 0.828 W/kg

**1900\_GPRS/GPRS1900 Facedown-Mid/Zoom Scan (5x5x7)/Cube 0:**

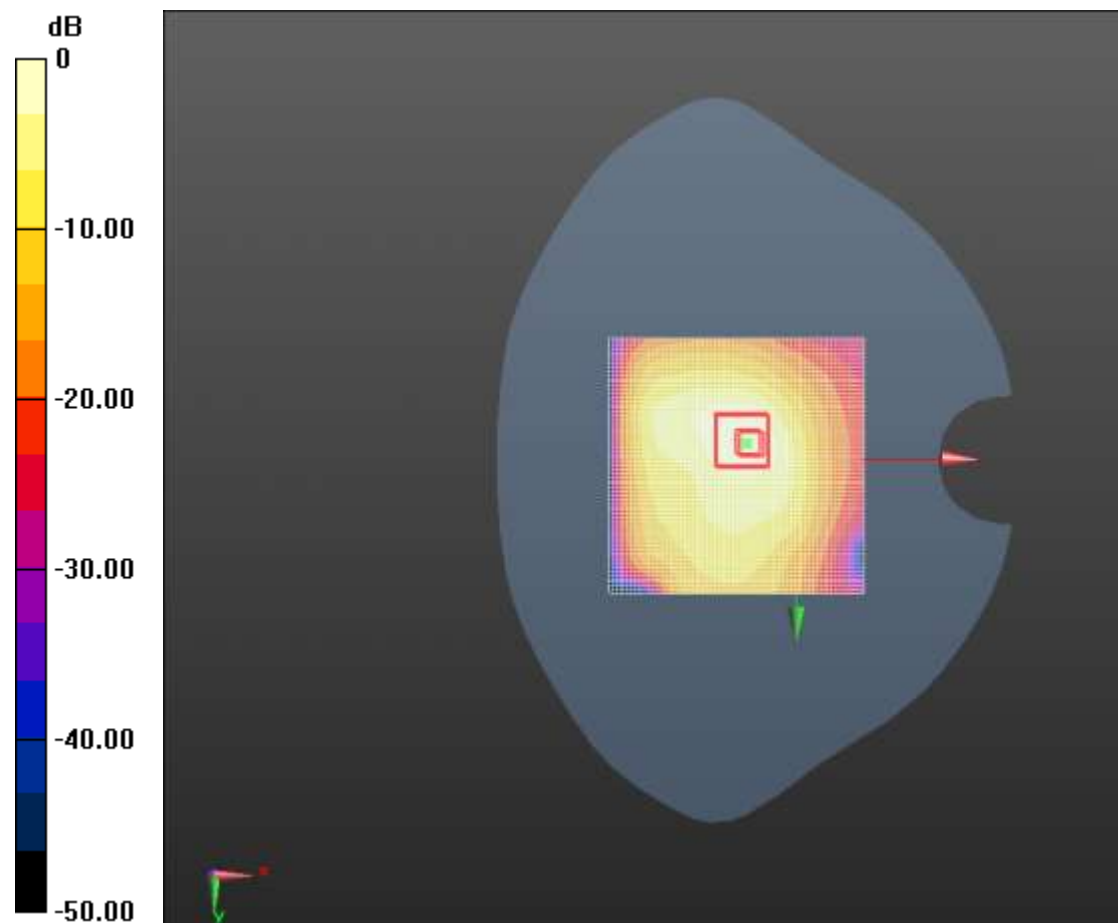
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.279 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.566 mW/g

**SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.391 mW/g**

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



0 dB = 0.828 W/kg = -1.64 dB W/kg

## WCDMA Body BAND II Body Back Side High

Medium: HSL1900

Communication System: UMTS-FDD; Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1907.6 MHz; Duty Cycle: 1:1.95434

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.372$  mho/m;  $\epsilon_r = 40.818$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.92, 7.92, 7.92); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

### UMTS Band 2\_ body Back/High/Area Scan (61x61x1): Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 16.023 V/m; Power Drift = 0.11 dB

**Fast SAR: SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.491 mW/g**

Maximum value of SAR (interpolated) = 0.967 W/kg

### UMTS Band 2\_ body Back/High/Zoom Scan (5x5x7)/Cube 0: Measurement

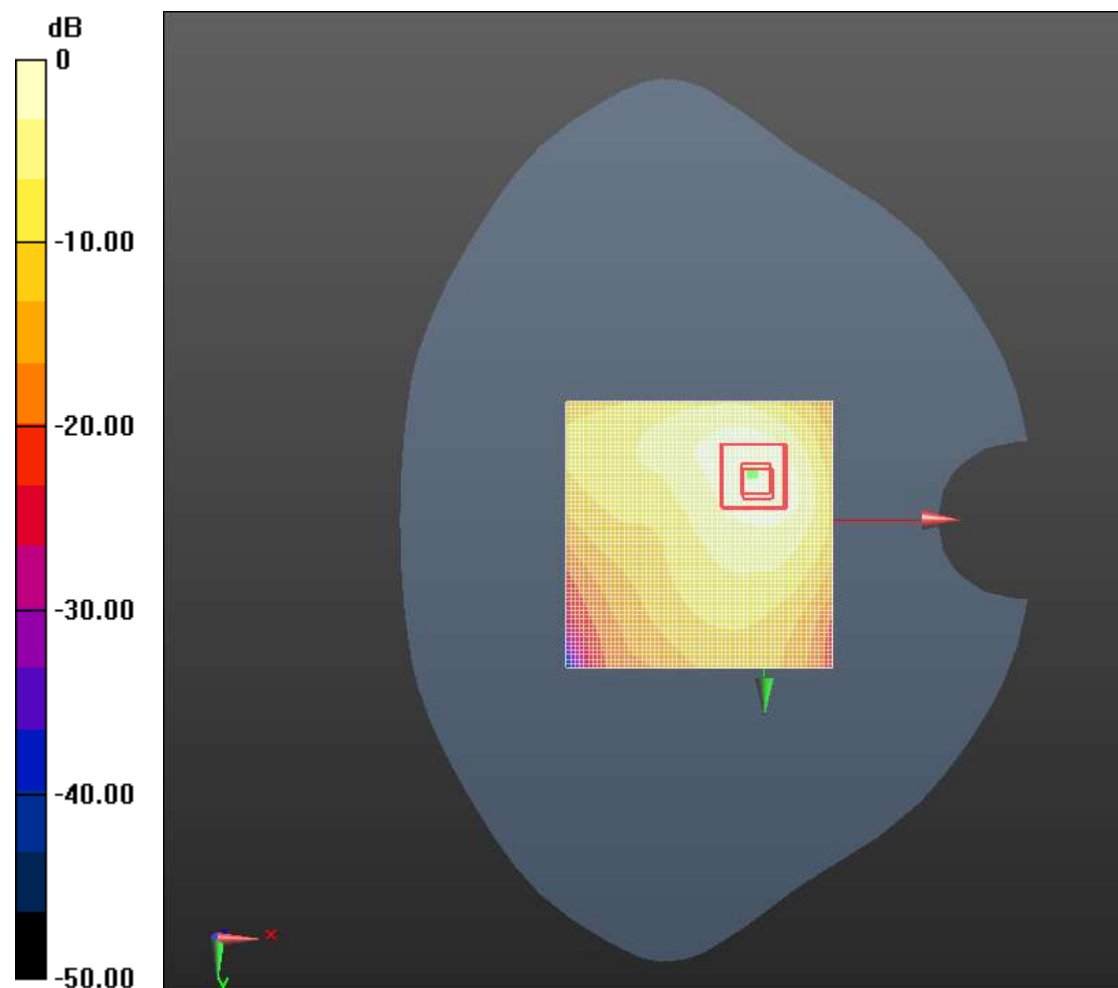
grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.023 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.798 mW/g

**SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.480 mW/g**

Maximum value of SAR (measured) = 0.983 W/kg



0 dB = 0.967 W/kg = -0.29 dB W/kg

## WCDMA BAND IV Body Facedown Side Mid

Medium: HSL1750

Communication System: UMTS-FDD; Communication System Band: Band4; Frequency: 1740 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.415$  mho/m;  $\epsilon_r = 40.374$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

### UMTS Band 4\_body Facedown/Mid/Area Scan (61x61x1): Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 20.435 V/m; Power Drift = -0.01 dB

**Fast SAR: SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.423 mW/g**

Maximum value of SAR (interpolated) = 0.867 W/kg

### UMTS Band 4\_body Facedown/Mid/Zoom Scan (5x5x7)/Cube 0:

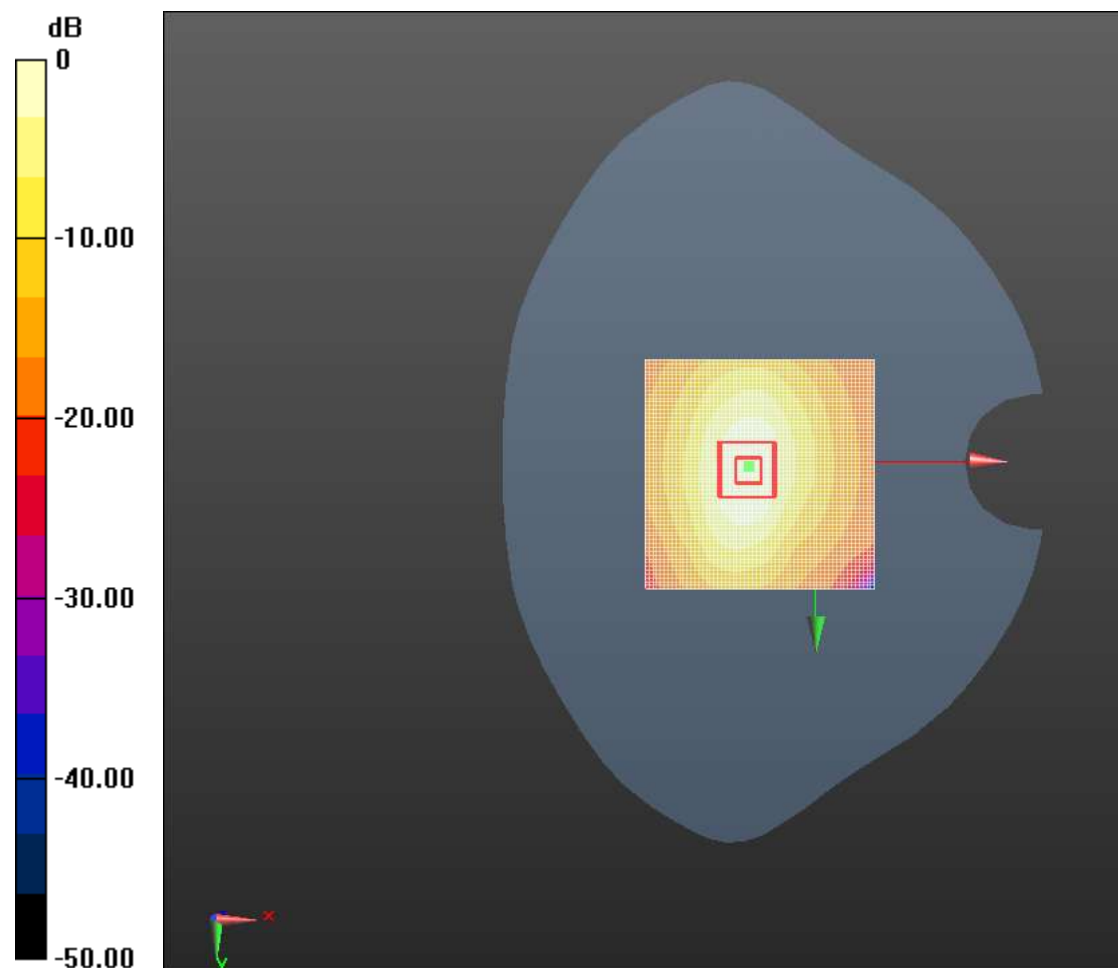
Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.435 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.263 mW/g

**SAR(1 g) = 0.714 mW/g; SAR(10 g) = 0.445 mW/g**

Maximum value of SAR (measured) = 0.866 W/kg



0 dB = 0.867 W/kg = -1.24 dB W/kg

## WCDMA Body BAND V Body Back Side Mid

Medium: HSL900

Communication System: UMTS-FDD; Communication System Band: Band 5, UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:1.95434

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(9.43, 9.43, 9.43); Calibrated: 2020.06.16.;  
Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**UMTS Band 5\_body Back/Mid down 2/Area Scan (61x61x1):** Interpolated  
grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.863 V/m; Power Drift = 0.01 dB

**Fast SAR: SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.488 mW/g**

Maximum value of SAR (interpolated) = 0.870 W/kg

**UMTS Band 5\_body Back/Mid down 2/Zoom Scan (5x5x7)/Cube 0:**

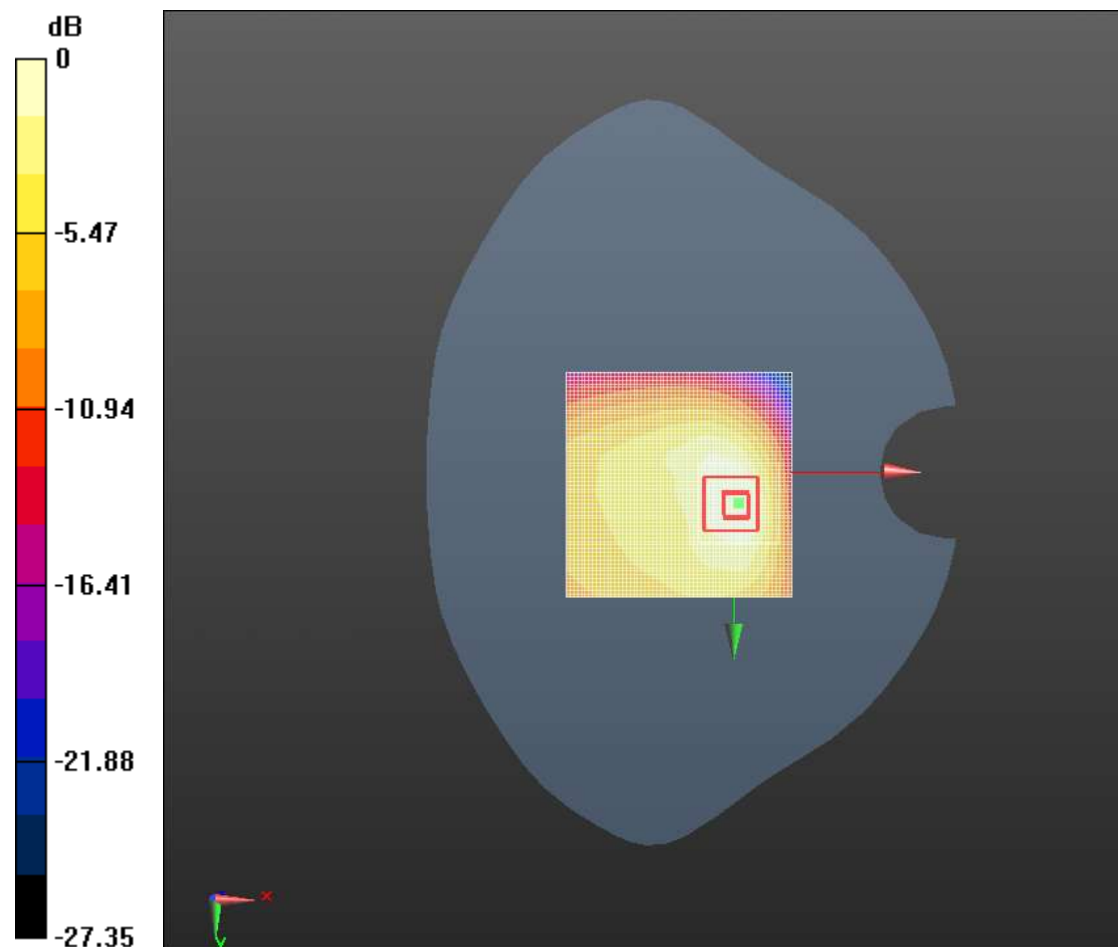
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.863 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.790 mW/g

**SAR(1 g) = 0.912 mW/g; SAR(10 g) = 0.475 mW/g**

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 0.870 W/kg = -1.21 dB W/kg

LTE Band 2 Body Back Side Mid

Medium: HSL1900

Communication System: LTE-FDD(CE); Communication System Band: Band2(10MHz); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.92, 7.92, 7.92); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/Facedown Mid-0mm/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 20.371 V/m; Power Drift = -0.08 dB

**Fast SAR: SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.446 mW/g**

Maximum value of SAR (interpolated) = 0.960 W/kg

**Body/Facedown Mid-0mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

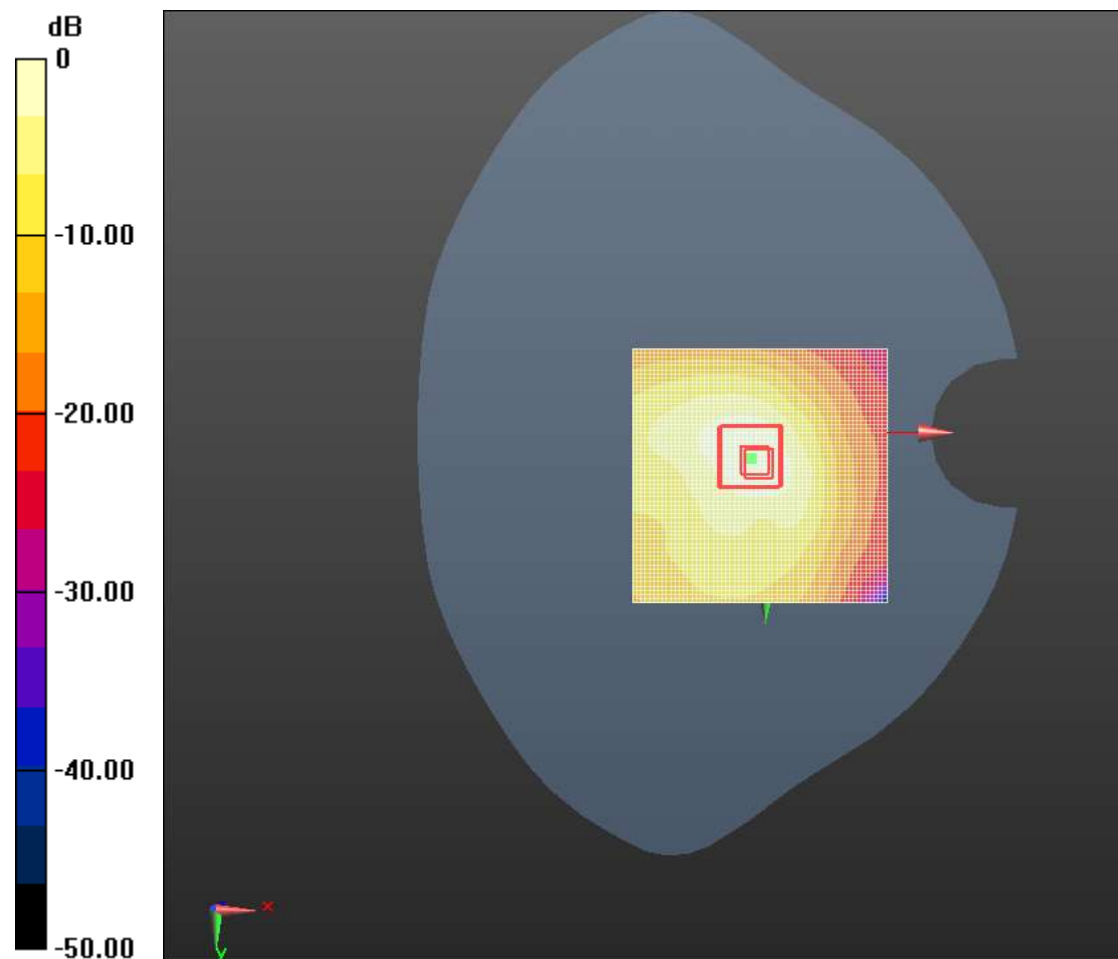
$dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.371 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.616 mW/g

**SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.440 mW/g**

Maximum value of SAR (measured) = 0.907 W/kg



$$0 \text{ dB} = 0.960 \text{ W/kg} = -0.35 \text{ dB W/kg}$$

## LTE Band4 Body Back Side Mid

Medium: HSL1800

Communication System: LTE-FDD(CE); Communication System Band: Band4(10MHz); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.31$  mho/m;  $\epsilon_r = 40.408$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/Facedown Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.499 V/m; Power Drift = 0.11 dB

**Fast SAR: SAR(1 g) = 0.903 mW/g; SAR(10 g) = 0.510 mW/g**

Maximum value of SAR (interpolated) = 1.04 W/kg

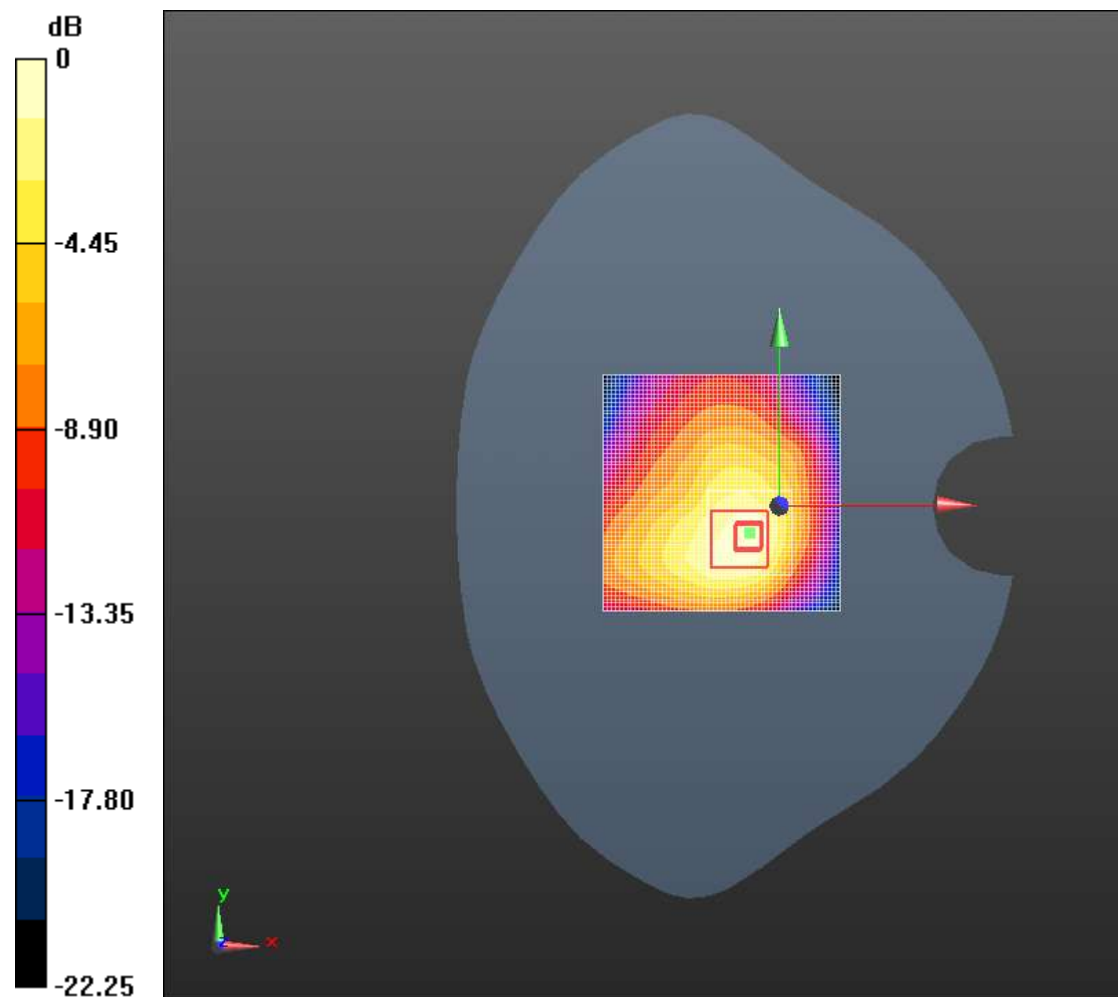
**Body/Facedown Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.499 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.619 mW/g

**SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.509 mW/g**

Maximum value of SAR (measured) = 0.952 W/kg



0 dB = 1.04 W/kg = 0.35 dB W/kg



## LTE Band5 Body Back Side Mid

Medium: HSL900

Communication System: LTE-FDD(CE); Communication System Band: Band12(10MHz); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 824.04$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 41.63$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(9.7, 9.7, 9.7); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/Facedown Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.736 V/m; Power Drift = 0.00 dB

**Fast SAR: SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.528 mW/g**

Maximum value of SAR (interpolated) = 1.09 W/kg

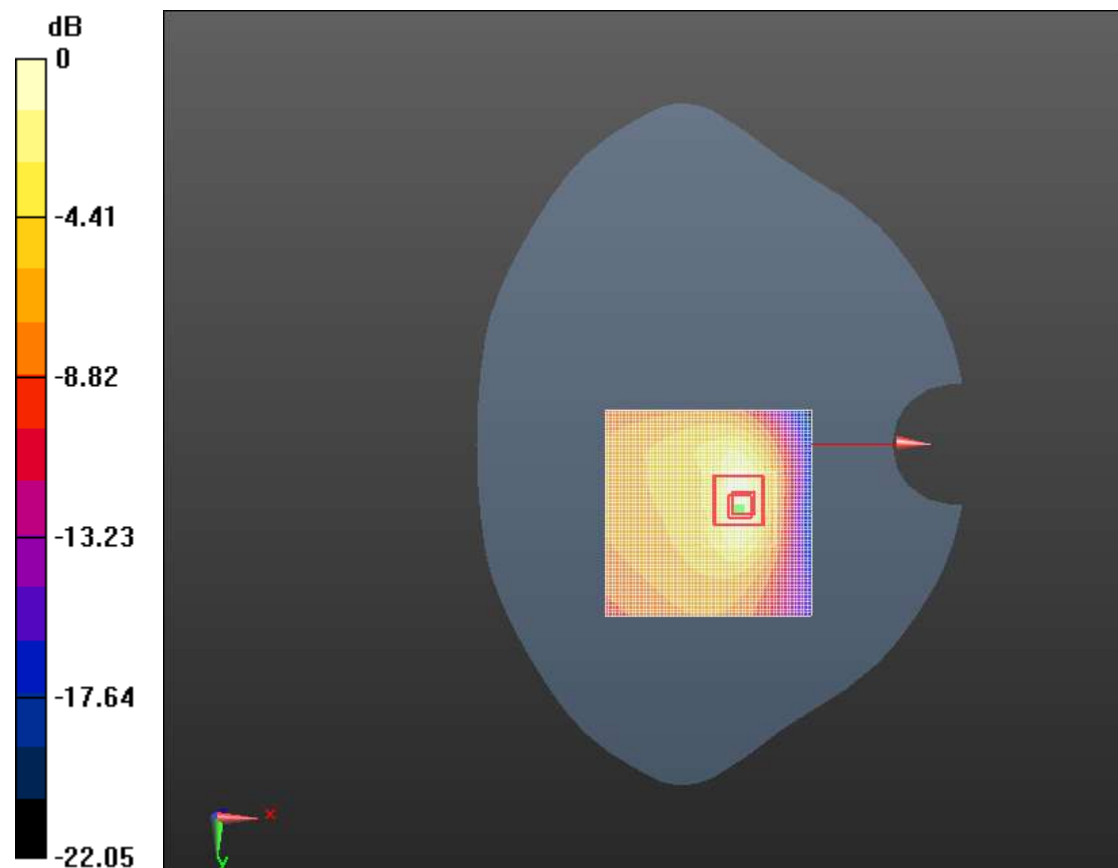
**Body/Facedown Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.736 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.854 mW/g

**SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.474 mW/g**

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.09 W/kg = 0.72 dB W/kg

## LTE Band7 Body Back Side Mid

Medium: HSL2600

Communication System: LTE-FDD(CE); Communication System Band: Band7(20MHz); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.49, 7.49, 7.49); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

### Body/Facedown Mid -down 2 2/Area Scan (61x61x1): Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 8.691 V/m; Power Drift = -0.14 dB

**Fast SAR: SAR(1 g) = 0.737 mW/g; SAR(10 g) = 0.321 mW/g**

Maximum value of SAR (interpolated) = 0.883 W/kg

### Body/Facedown Mid -down 2 2/Zoom Scan (5x5x7)/Cube 0: Measurement

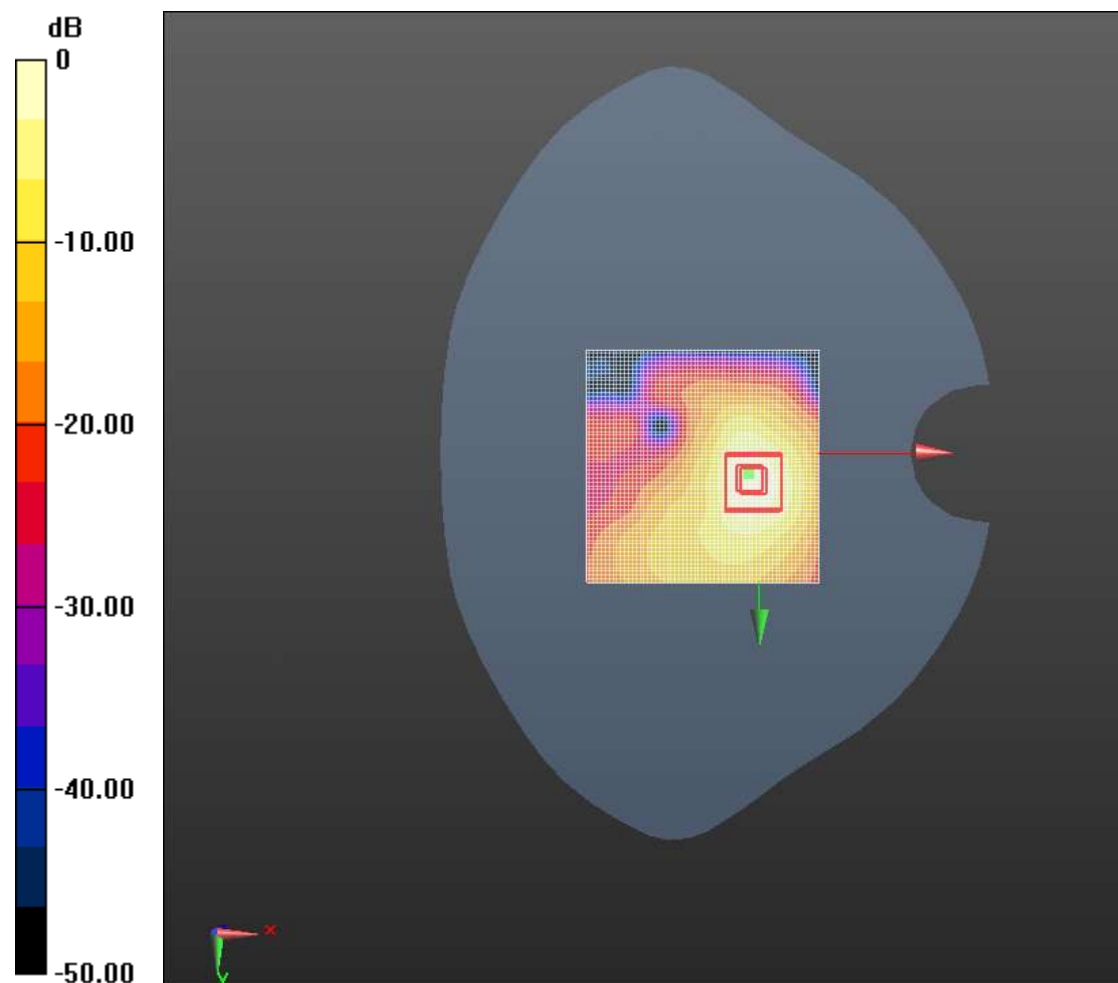
grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.691 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.910 mW/g

**SAR(1 g) = 0.813 mW/g; SAR(10 g) = 0.338 mW/g**

Maximum value of SAR (measured) = 0.927 W/kg



0 dB = 0.883 W/kg = -1.08 dB W/kg

## LTE Band12 Body Back Side Mid

Medium: HSL750

Communication System: LTE-FDD(CE); Communication System Band: Band12(10MHz); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.858$  mho/m;  $\epsilon_r = 42.446$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(9.7, 9.7, 9.7); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/Facedown Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.440 V/m; Power Drift = -0.03 dB

**Fast SAR: SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.262 mW/g**

Maximum value of SAR (interpolated) = 0.523 W/kg

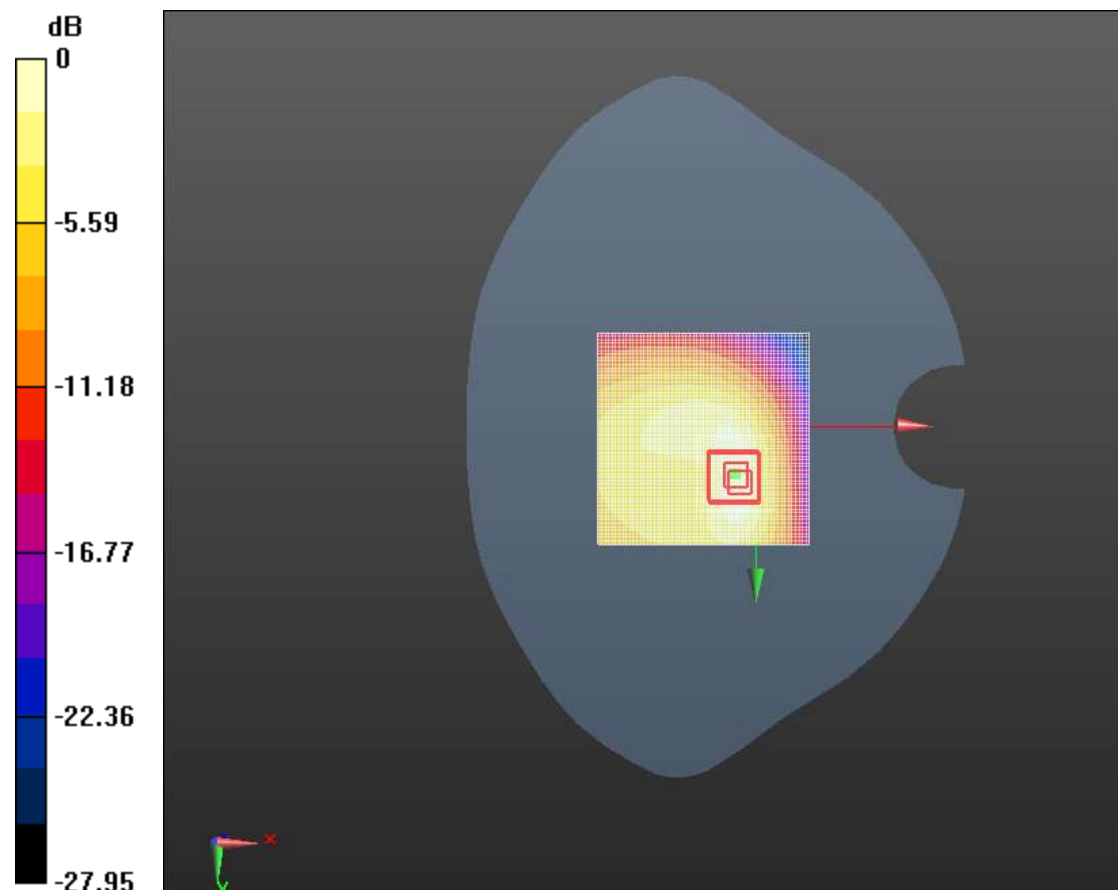
**Body/Facedown Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.440 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.881 mW/g

**SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.245 mW/g**

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



0 dB = 0.523 W/kg = -5.63 dB W/kg

## LTE Band13 Body Back Side Mid

Medium: HSL900

Communication System: LTE-FDD(FCC); Communication System Band: Band13(5MHz); Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (extrapolated):  $f = 782$  MHz;  $\sigma = 0.848$  mho/m;  $\epsilon_r = 42.149$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(9.7, 9.7, 9.7); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**LTE Band13 Rear/Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 18.696 V/m; Power Drift = 0.00 dB

**Fast SAR: SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.347 mW/g**

Maximum value of SAR (interpolated) = 0.705 W/kg

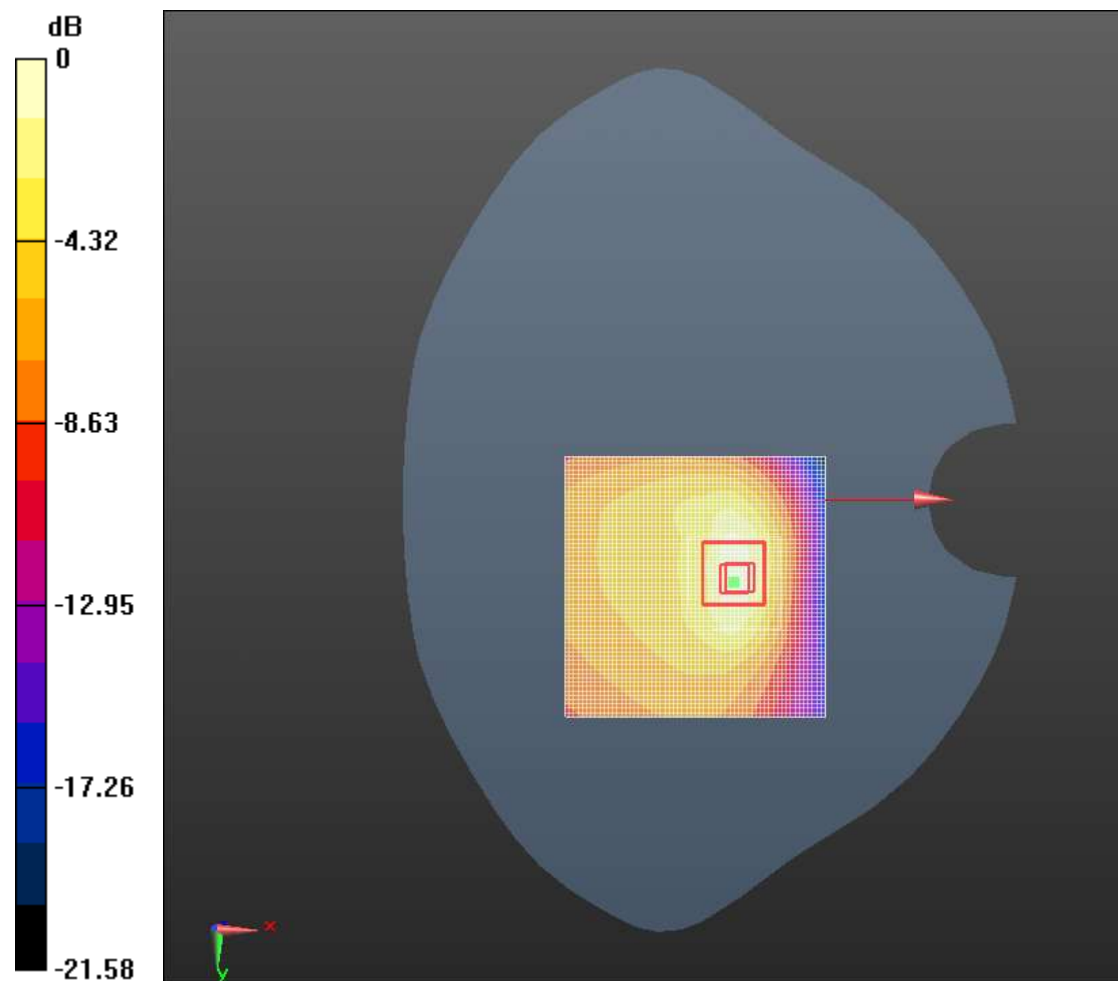
**LTE Band13 Rear/Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.696 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.196 mW/g

**SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.314 mW/g**

Maximum value of SAR (measured) = 0.678 W/kg



0 dB = 0.705 W/kg = -3.04 dB W/kg

LTE Band17 (10MHz) Body Back Side Mid

Medium: HSL750

Communication System: LTE-FDD(CE); Communication System Band: Band17(10MHz); Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 710$  MHz;  $\sigma = 0.86$  mho/m;  $\epsilon_r = 42.412$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(9.7, 9.7, 9.7); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/Facedown Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 21.108 V/m; Power Drift = 0.05 dB

**Fast SAR: SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.263 mW/g**

Maximum value of SAR (interpolated) = 0.523 W/kg

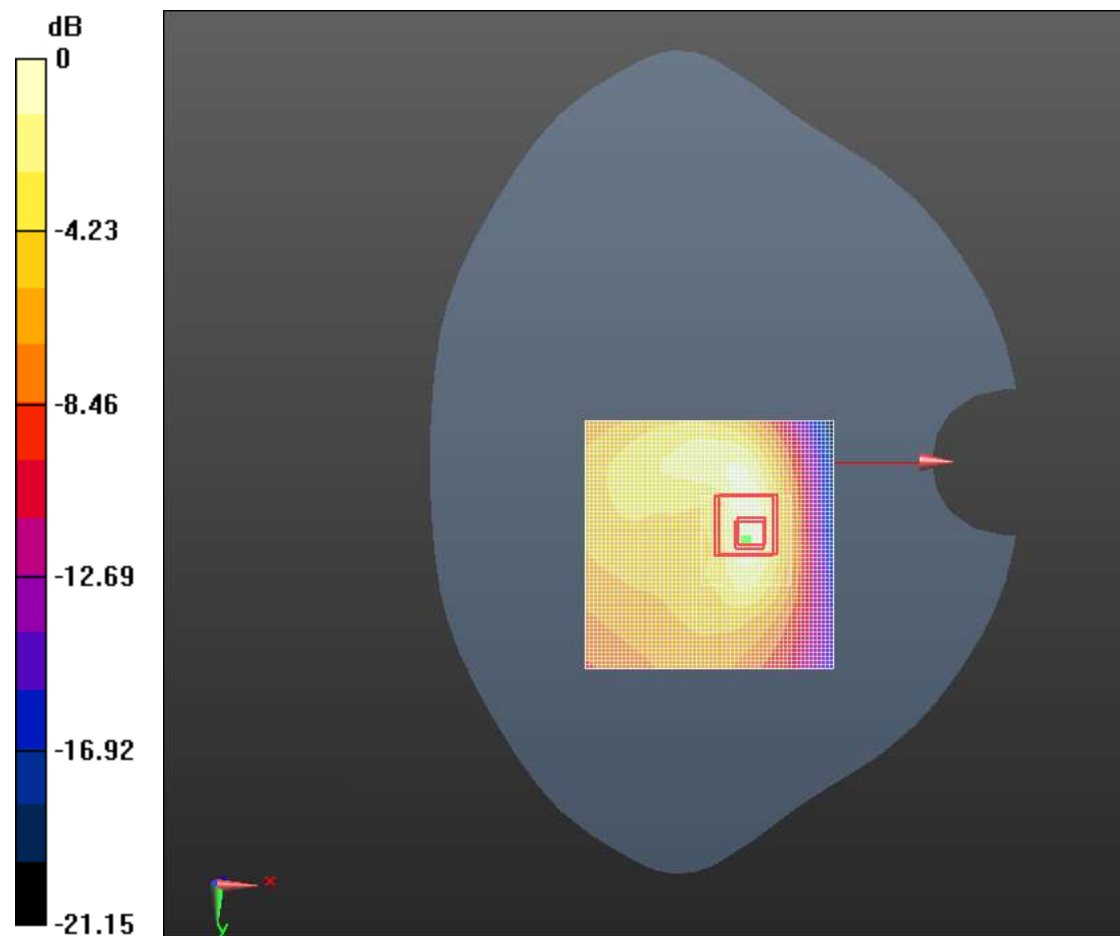
**Body/Facedown Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.108 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.898 mW/g

**SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.244 mW/g**

Maximum value of SAR (measured) = 0.501 W/kg



0 dB = 0.523 W/kg = -5.62 dB W/kg

Date: 2020.10.13.

LTE Band 25 Body Back Side Mid

Medium: HSL1900

Communication System: LTE-FDD(CE); Communication System Band: Band 25 ; Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1882.5$  MHz;  $\sigma = 1.422$  mho/m;  $\epsilon_r = 39.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(7.92, 7.92, 7.92); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/ Facedown-Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 24.401 V/m; Power Drift = 0.01 dB

**Fast SAR: SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.487 mW/g**

Maximum value of SAR (interpolated) = 0.929 W/kg

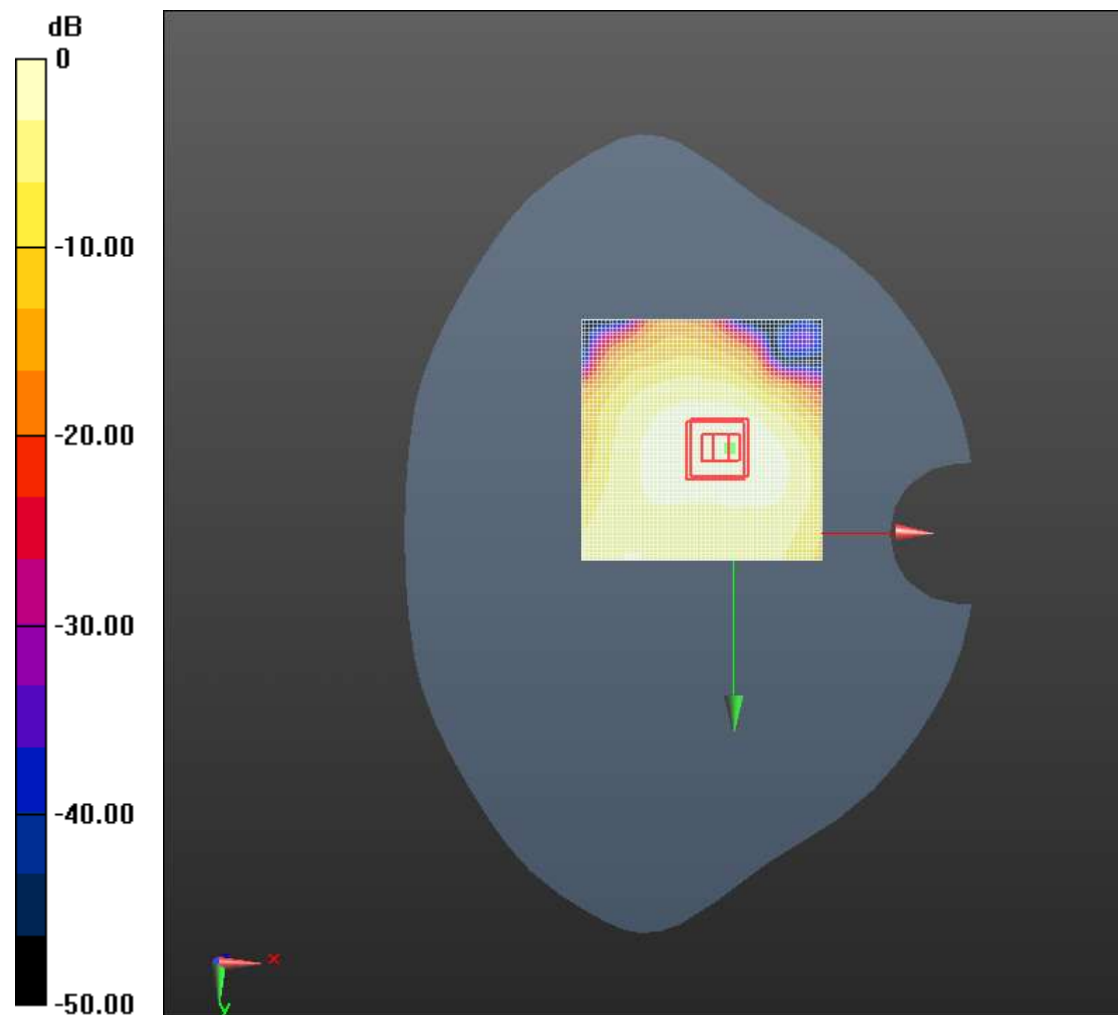
**Body/ Facedown-Mid /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.401 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.526 mW/g

**SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.387 mW/g**

Maximum value of SAR (measured) = 0.855 W/kg



$$0 \text{ dB} = 0.929 \text{ W/kg} = -0.64 \text{ dB W/kg}$$

## LTE Band26 Body Back Side Mid

Medium: HSL900

Communication System: LTE-FDD(CE); Communication System Band: Band 26 ; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 0.887$  mho/m;  $\epsilon_r = 41.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(9.43, 9.43, 9.43); Calibrated: 2020.06.16.;  
Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/Facedown Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 23.668 V/m; Power Drift = -0.15 dB

**Fast SAR: SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.421 mW/g**

Maximum value of SAR (interpolated) = 0.929 W/kg

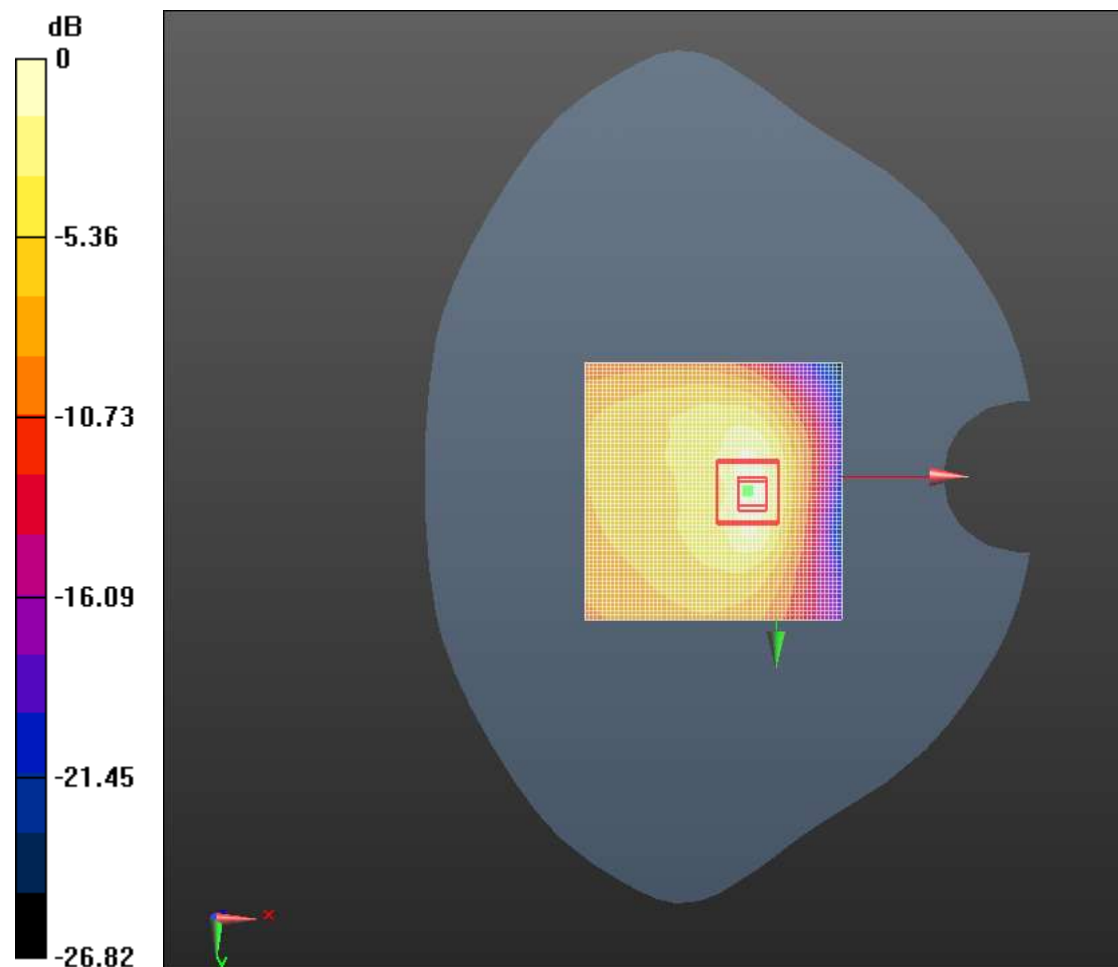
**Body/Facedown Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.668 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.488 mW/g

**SAR(1 g) = 0.753 mW/g; SAR(10 g) = 0.381 mW/g**

Maximum value of SAR (measured) = 0.856 W/kg



0 dB = 0.929 W/kg = -0.64 dB W/kg

## LTE Band38 Body Back Side Mid

Medium: HSL2600

Communication System: LTE-TDD; Communication System Band: Band38(20MHz); Frequency: 2595 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(7.3, 7.3, 7.3); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/bACKMid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 15.931 V/m; Power Drift = 0.13 dB

**Fast SAR: SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.263 mW/g**

Maximum value of SAR (interpolated) = 0.748 W/kg

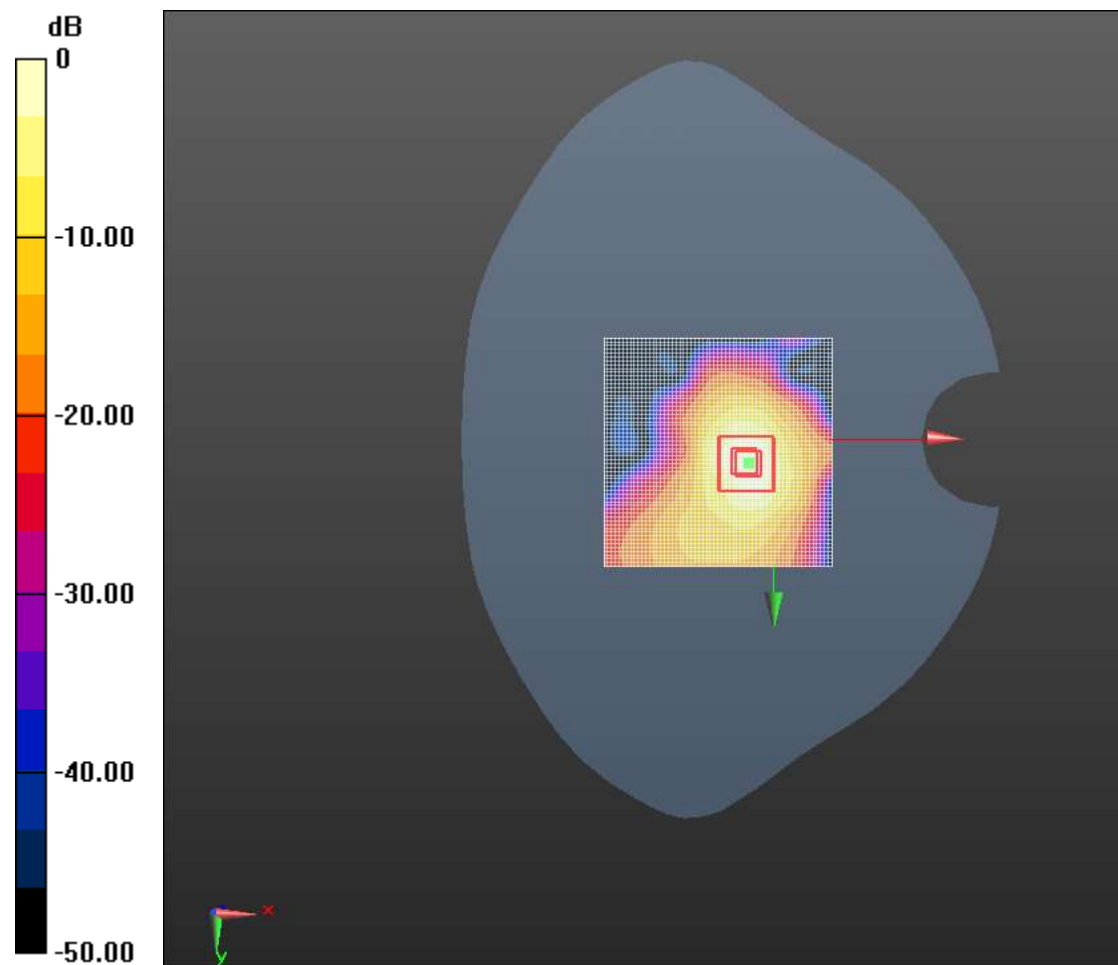
**Body/bACKMid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.931 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.127 mW/g

**SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.299 mW/g**

Maximum value of SAR (measured) = 0.845 W/kg



0 dB = 0.748 W/kg = -2.52 dB W/kg



### 1.1.1 LTE Band41 Body Back Side Mid

Medium: HSL2600

Communication System: LTE-TDD; Communication System Band: Band41(20MHz); Frequency: 2593 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(7.3, 7.3, 7.3); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Body/Facedown Mid 2/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 9.784 V/m; Power Drift = -0.16 dB

**Fast SAR: SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.345 mW/g**

Maximum value of SAR (interpolated) = 0.950 W/kg

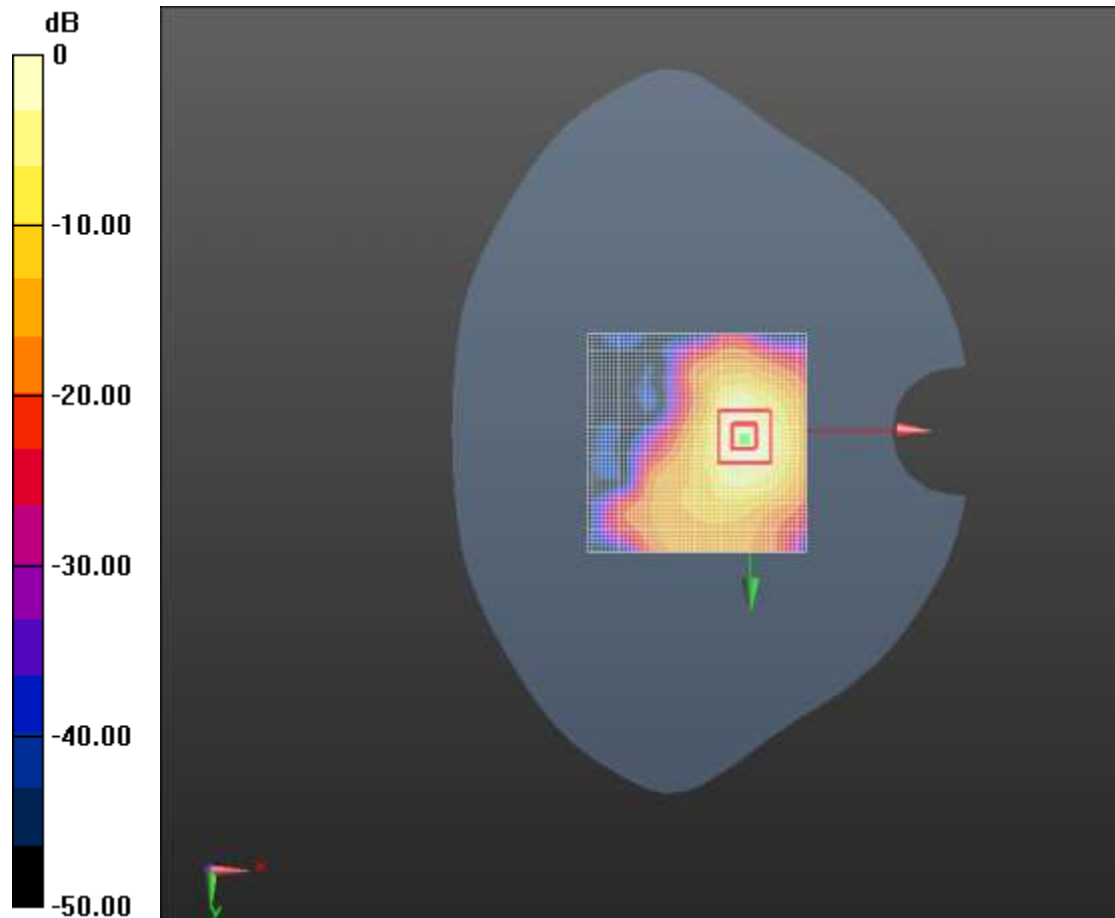
**Body/Facedown Mid 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.784 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.167 mW/g

**SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.377 mW/g**

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 0.950 W/kg = -0.44 dB W/kg

### 1.1.2 LTE Band66 Body Back Side Mid

Medium: HSL1800

Communication System: LTE-FDD(CE); Communication System Band: Band66; Frequency: 1755 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1755$  MHz;  $\sigma = 1.332$  mho/m;  $\epsilon_r = 40.305$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(8.3, 8.3, 8.3); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**Band3 Body/Facedown Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 21.195 V/m; Power Drift = 0.08 dB

**Fast SAR: SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.373 mW/g**

Maximum value of SAR (interpolated) = 0.700 W/kg

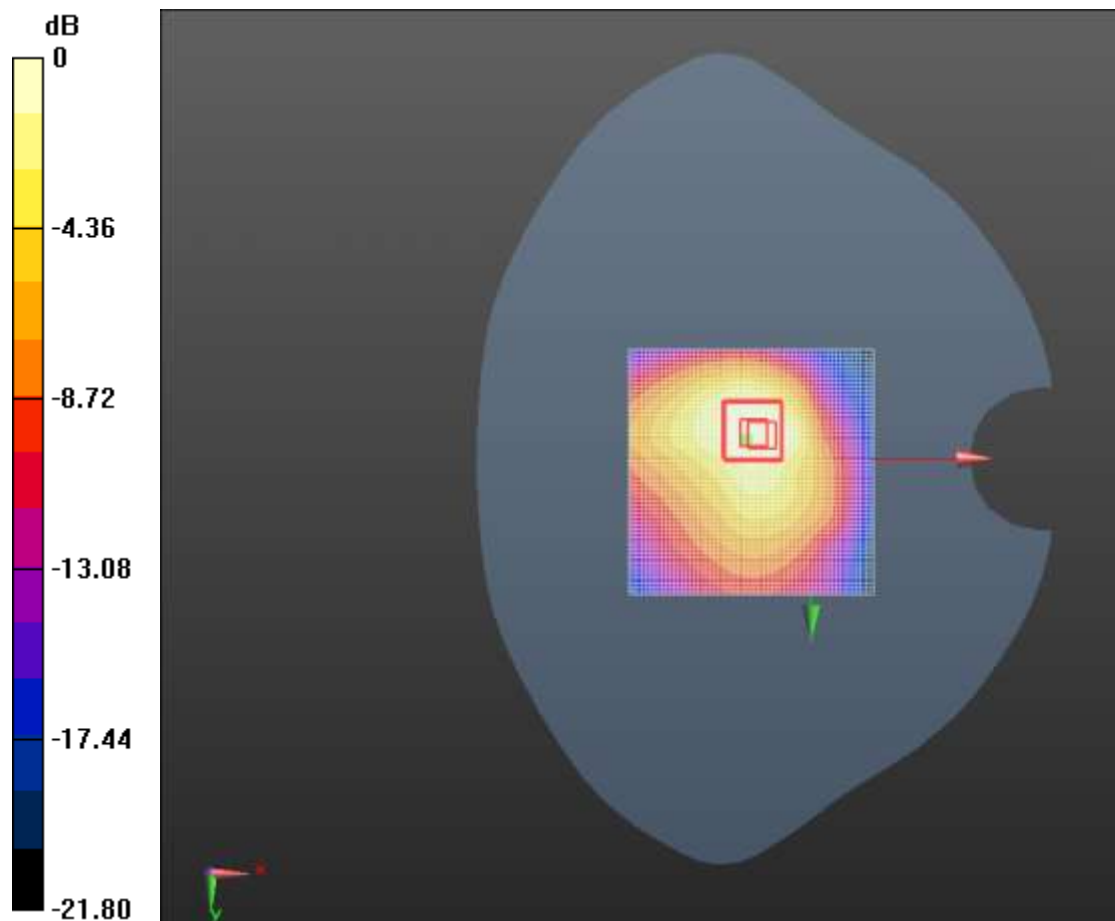
**Band3 Body/Facedown Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.195 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.233 mW/g

**SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.374 mW/g**

Maximum value of SAR (measured) = 0.734 W/kg



0 dB = 0.700 W/kg = -3.09 dB W/kg

### 1.1.3 WiFi123 Body Back Side High

Medium: HSL2450

Communication System: 802.11b WiFi 2.4GHz(DSSS,11Mbps); Communication System Band: 802.11b; Frequency: 2472 MHz;Duty Cycle: 1:2.29034

Medium parameters used (interpolated):  $f = 2472$  MHz;  $\sigma = 1.869$  mho/m;  $\epsilon_r = 37.772$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(7.49, 7.49, 7.49); Calibrated: 2020.06.16.;

Electronics: DAE4 Sn876; Calibrated: 2020.03.03.

**802.11b-5mm/Faceup-High/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 9.409 V/m; Power Drift = 0.16 dB

**Fast SAR: SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.185 mW/g**

Maximum value of SAR (interpolated) = 0.458 W/kg

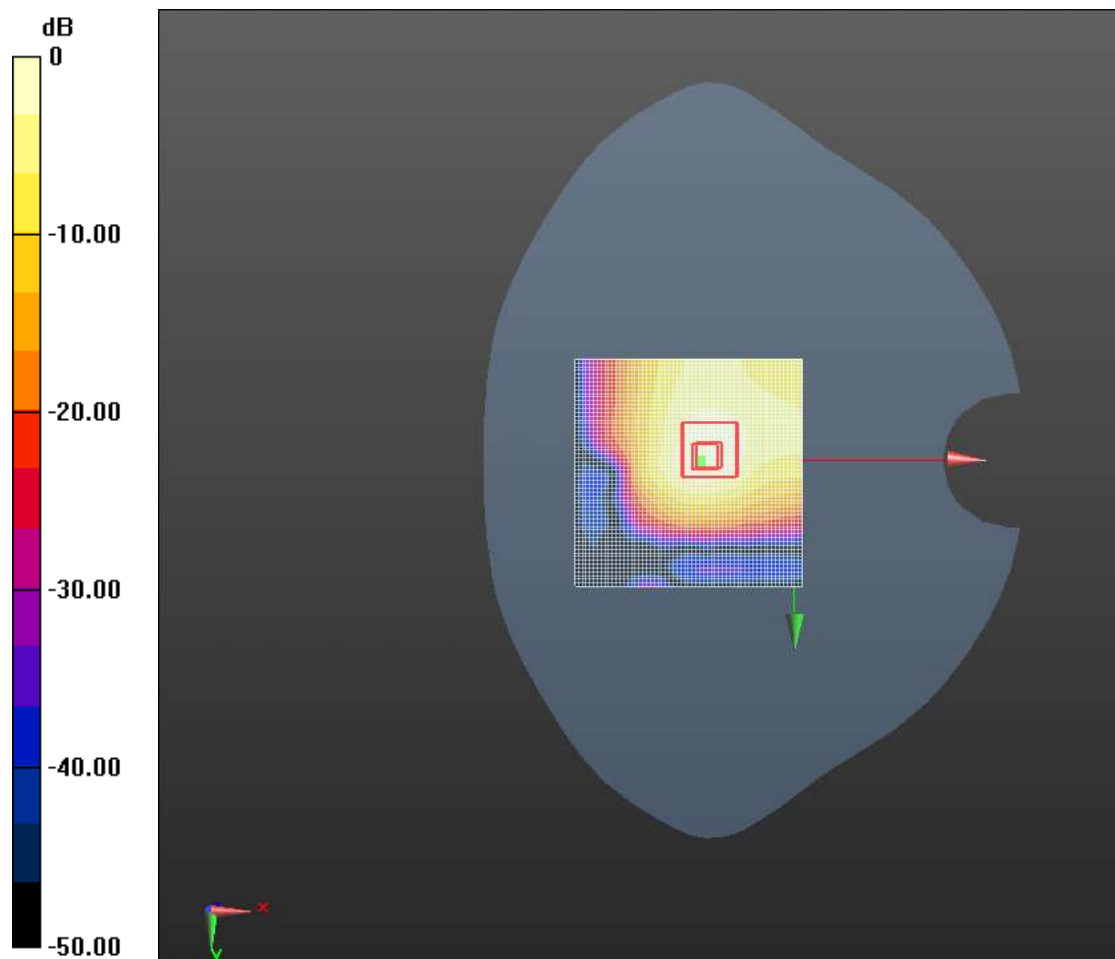
**802.11b-5mm/Faceup-High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.409 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.961 mW/g

**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.185 mW/g**

Maximum value of SAR (measured) = 0.443 W/kg



0 dB = 0.458 W/kg = -6.78 dB W/kg

5.2G(802.11a)WiF Body Back Side CH36

**Medium: HSL 5G**

Communication System: 5G; Communication System Band: 5.2G; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.73$  mho/m;  $\epsilon_r = 35.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASYS Configuration: Probe: EX3DV4 - SN3881; ConvF(5.29, 5.29, 5.29); Calibrated: 2018.07.14.; Electronics: DAE4 Sn876; Calibrated: 2019.03.19.

**36/Facedown/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 6.268 V/m; Power Drift = 0.16 dB

**Fast SAR: SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.098 mW/g**

Maximum value of SAR (interpolated) = 0.221 W/kg

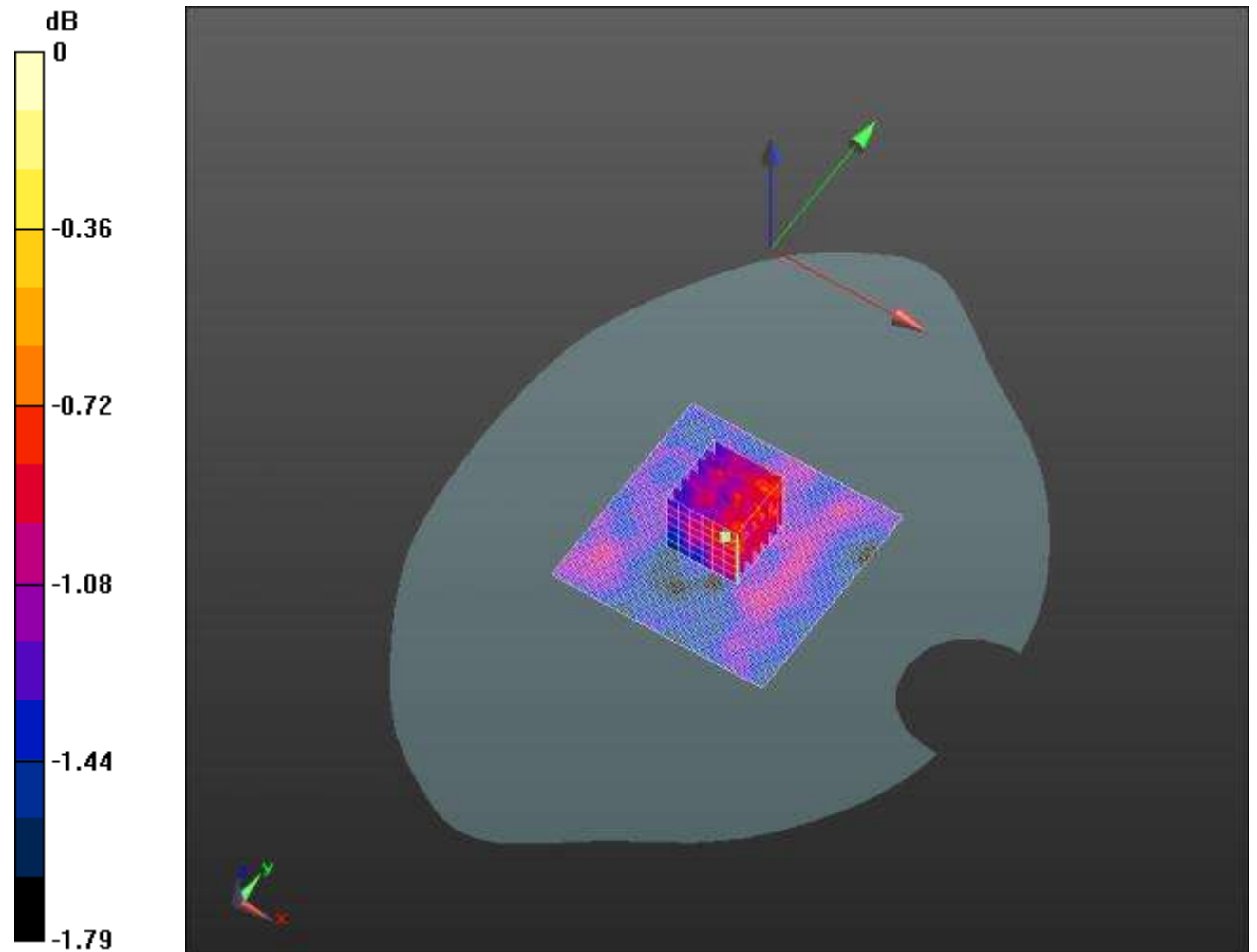
**36/Facedown/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.268 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.287 mW/g

**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.164 mW/g**

Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.221 W/kg = -13.10 dB W/kg

### 1.1.4 5.3G(802.11a)WiFi Body Back Side CH52

#### Medium: HSL 5G

Communication System: 5G; Communication System Band: 5.3G; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.73$  mho/m;  $\epsilon_r = 35.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration: Probe: EX3DV4 - SN3881; ConvF(5.28, 5.28, 5.28); Calibrated: 2019.03.25.; Electronics: DAE4 Sn876; Calibrated: 2019.03.19.

**52/Facedown/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 6.119 V/m; Power Drift = 0.04 dB

**Fast SAR: SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.093 mW/g**

Maximum value of SAR (interpolated) = 0.210 W/kg

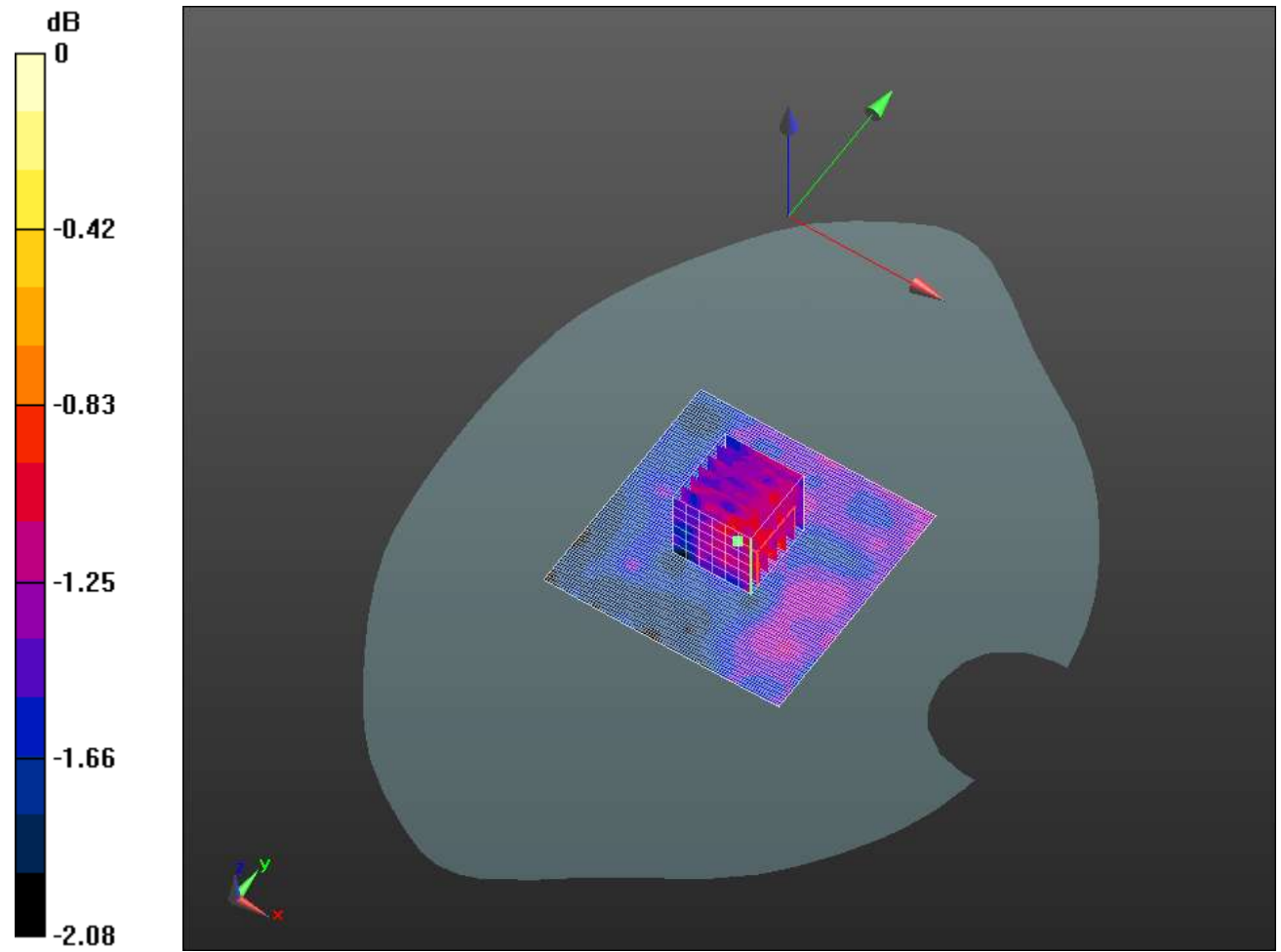
**52/Facedown/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.119 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.761 mW/g

**SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.153 mW/g**

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



### 1.1.5 5.5G(802.11a)WiFi Body Back Side CH100

#### Medium: HSL 5G

Communication System: 5G; Communication System Band: 5.6; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.87$  mho/m;  $\epsilon_r = 35.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASYS5 Configuration: Probe: EX3DV4 - SN3881; ConvF(4.62, 4.62, 4.62); Calibrated: 2019.03.25.; Electronics: DAE4 Sn876; Calibrated: 2019.03.19.

**104/Facedown/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 0.987 V/m; Power Drift = 0.03 dB

**Fast SAR: SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.096 mW/g**

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

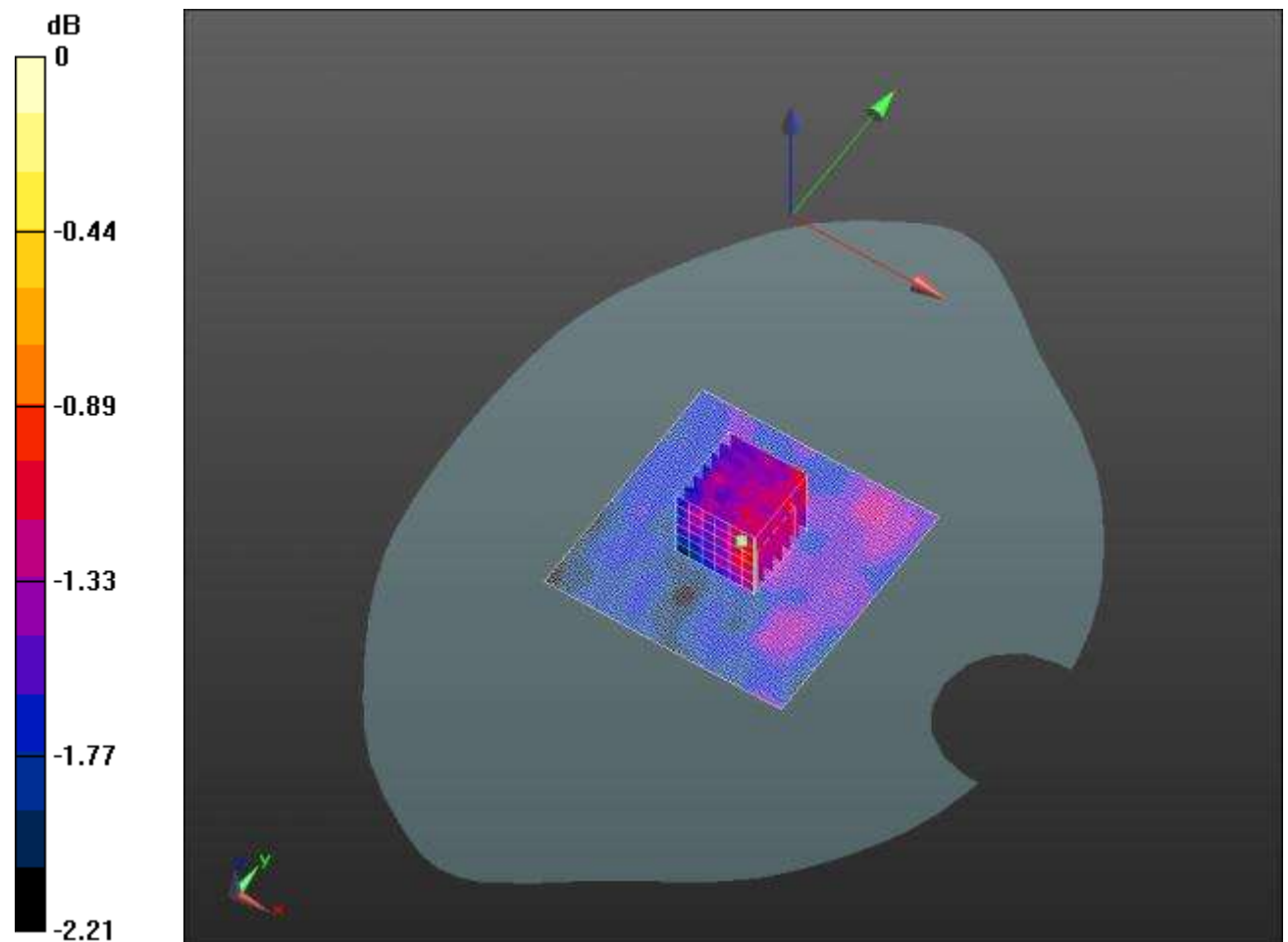
**104/Facedown/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.987 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.312 mW/g

**SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.162 mW/g**

Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.215 W/kg = -13.36 dB W/kg

### 1.1.6 5.8G(802.11a)WiFi Body Back Side CH149

#### Medium: HSL 5G

Communication System: 5G; Communication System Band: 5.8G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.07$  mho/m;  $\epsilon_r = 35.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASYS Configuration: Probe: EX3DV4 - SN3881; ConvF(4.77, 4.77, 4.77); Calibrated: 2019.03.25.; Electronics: DAE4 Sn876; Calibrated: 2019.03.19.

**149/Facedown/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 6.327 V/m; Power Drift = 0.18 dB

**Fast SAR: SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.109 mW/g**

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

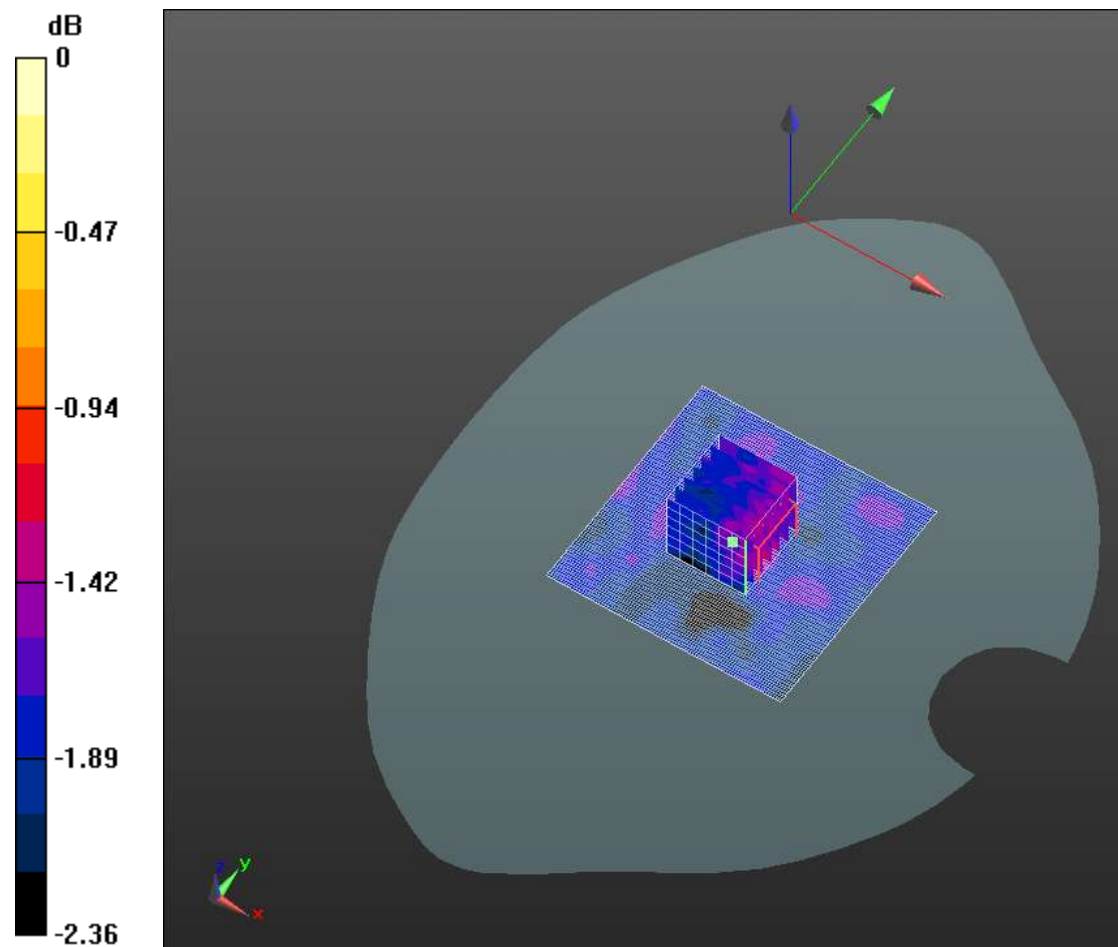
**149/Facedown/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.327 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.367 mW/g

**SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.171 mW/g**

Maximum value of SAR (measured) = 0.262 W/kg



0 dB = 0.247 W/kg = -12.14 dB W/kg