

## Appendix C - Measurement Plots

Date: 2018/4/18

### WCDMA Band II\_Body\_Right side\_CH 9538\_0mm

Communication System: WCDMA; Frequency: 1907.6 MHz

 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.559$  S/m;  $\epsilon_r = 54.207$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (41x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.163 W/kg

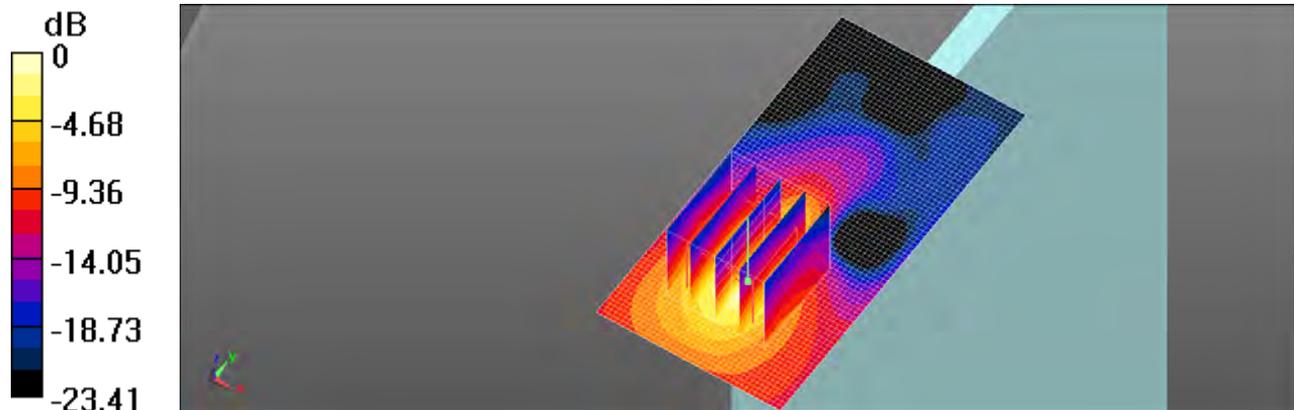
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.544 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.242 W/kg

**SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.044 W/kg**

Maximum value of SAR (measured) = 0.178 W/kg



0 dB = 0.178 W/kg = -7.50 dBW/kg

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Date: 2018/3/27

### WCDMA Band II\_Body\_Back side\_CH 9538\_0mm

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.561$  S/m;  $\epsilon_r = 54.211$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Ambient temperature: 21.8°C; Liquid temperature: 22.3°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

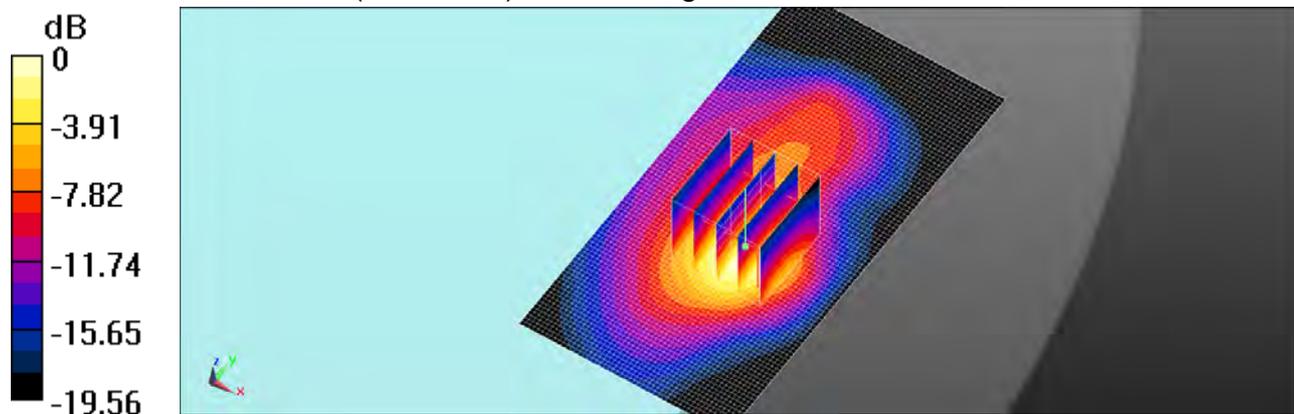
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.829 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.373 W/kg**

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

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Date: 2018/3/27

**WCDMA Band II\_Body\_Top side\_CH 9538\_0mm**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.561$  S/m;  $\epsilon_r = 54.211$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Ambient temperature: 21.8°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (51x121x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.646 W/kg

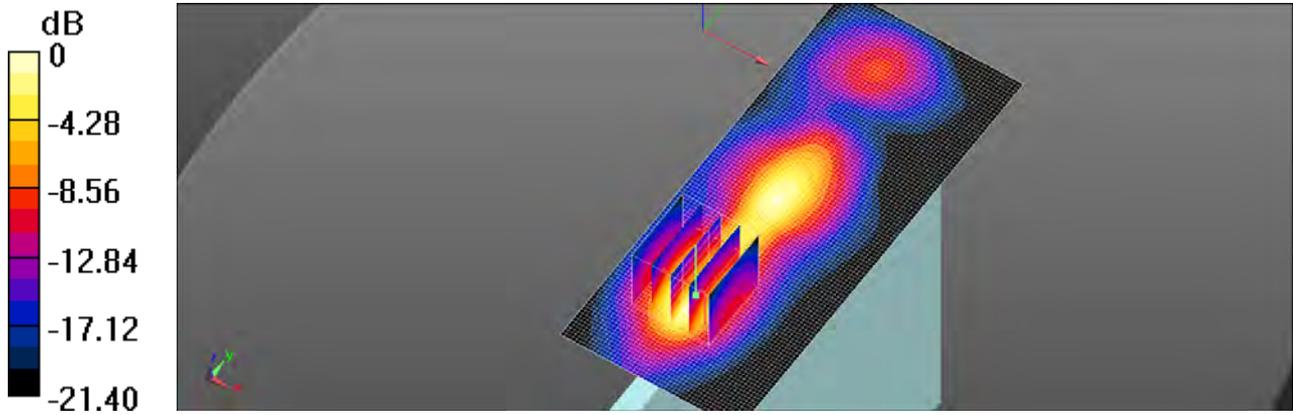
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.217 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.852 W/kg

**SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.194 W/kg**

Maximum value of SAR (measured) = 0.641 W/kg



0 dB = 0.641 W/kg = -1.93 dBW/kg

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Date: 2018/3/26

**WCDMA Band IV\_Body\_Back side\_CH 1312\_0mm**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1712.4 \text{ MHz}$ ;  $\sigma = 1.411 \text{ S/m}$ ;  $\epsilon_r = 54.897$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature: 22.2°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

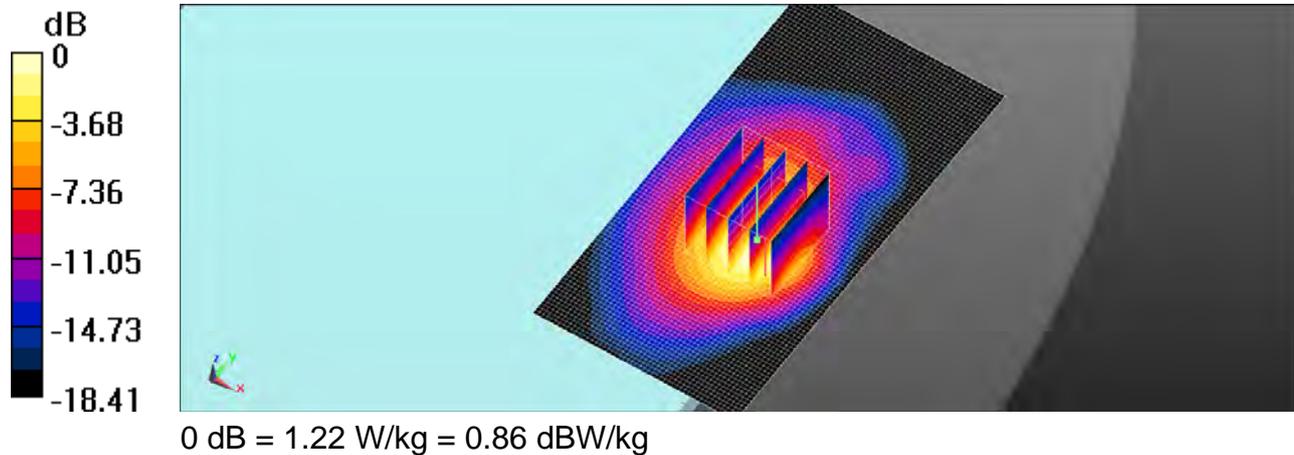
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.566 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.437 W/kg**

Maximum value of SAR (measured) = 1.22 W/kg



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Date: 2018/3/26

**WCDMA Band IV\_Body\_Top side\_CH 1412\_0mm**

Communication System: WCDMA; Frequency: 1732.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.4$  MHz;  $\sigma = 1.429$  S/m;  $\epsilon_r = 54.855$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Ambient temperature: 22.2°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Head/Area Scan (51x121x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.719 W/kg

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

Reference Value = 10.29 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.935 W/kg

**SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.233 W/kg**

Maximum value of SAR (measured) = 0.731 W/kg

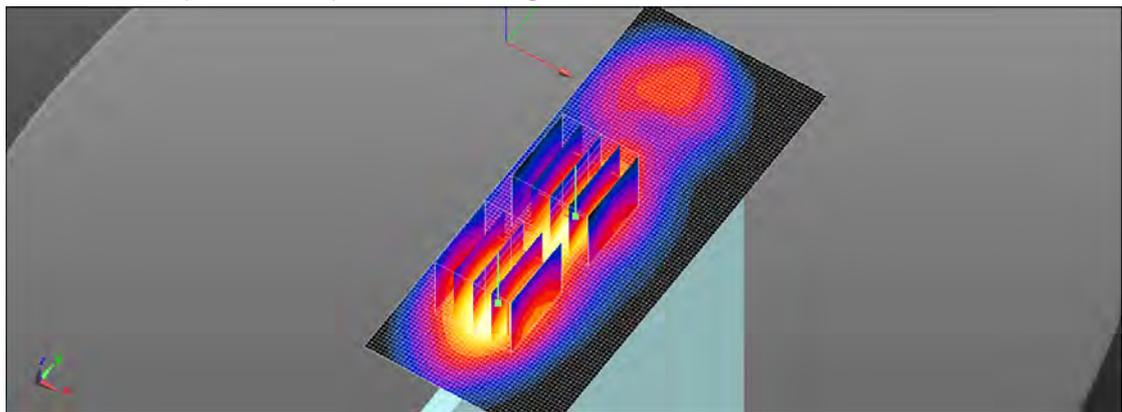
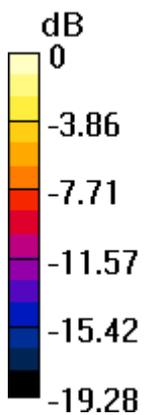
**Configuration/Head/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.29 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.673 W/kg

**SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.149 W/kg**

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



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

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Date: 2018/3/23

**WCDMA Band V Body Back side CH 4233\_0mm**

Communication System: WCDMA; Frequency: 846.6 MHz Duty Cycle: 1:1  
Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.986 \text{ S/m}$ ;  $\epsilon_r = 52.789$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature:  $22.1^\circ\text{C}$ ; Liquid temperature:  $21.6^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.65, 9.65, 9.65); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

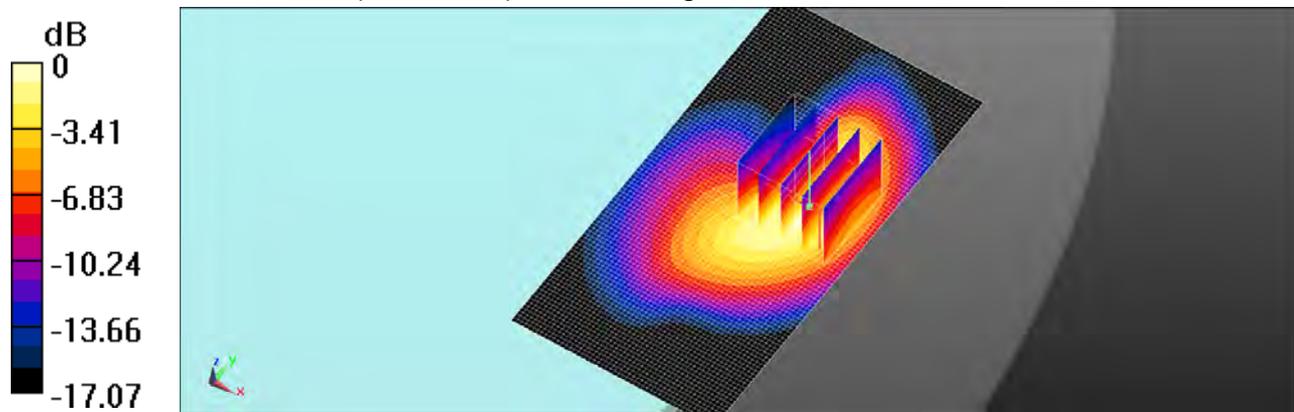
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.466 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.504 W/kg**

Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

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Date: 2018/3/23

**WCDMA Band V\_Body\_Top side\_CH 4233\_0mm**

Communication System: WCDMA; Frequency: 846.6 MHz Duty Cycle: 1:1  
Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.986$  S/m;  $\epsilon_r = 52.789$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.65, 9.65, 9.65); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body y
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.759 W/kg

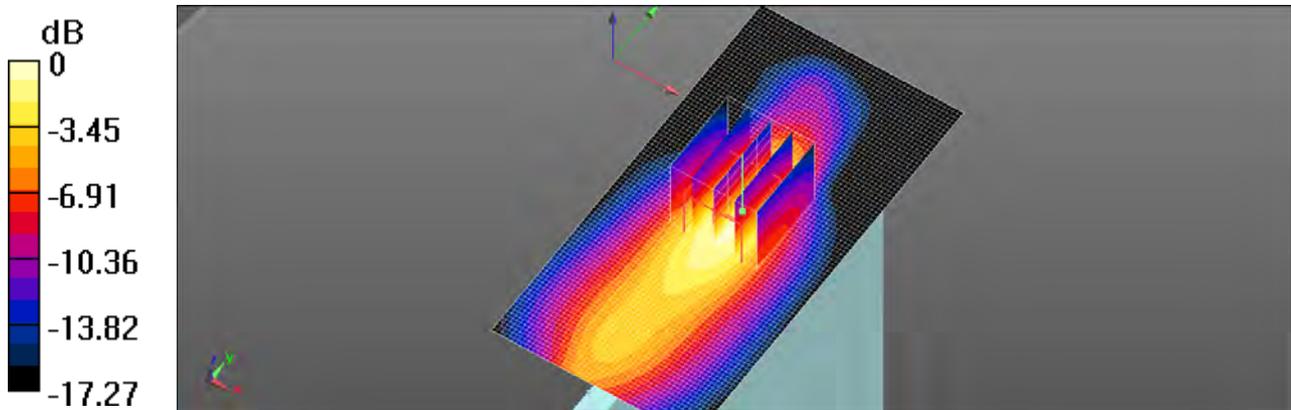
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.38 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.581 W/kg; SAR(10 g) = 0.313 W/kg**

Maximum value of SAR (measured) = 0.877 W/kg



0 dB = 0.877 W/kg = -0.57 dBW/kg

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Date: 2018/4/18

**LTE Band 2 (20MHz)\_Body\_Right side\_CH 18900\_QPSK\_100-0\_0mm**

Communication System: LTE; Frequency: 1880 MHz

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.538 \text{ S/m}$ ;  $\epsilon_r = 54.306$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature:  $21.8^\circ\text{C}$ ; Liquid temperature:  $22.3^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (41x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.153 \text{ W/kg}$

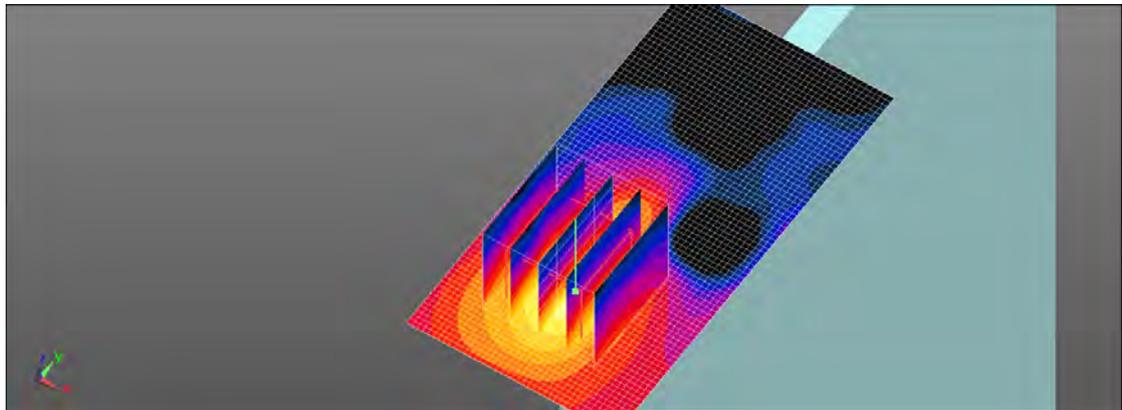
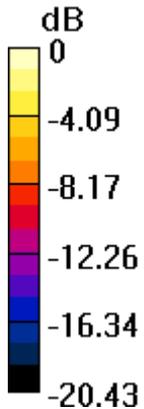
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $2.327 \text{ V/m}$ ; Power Drift =  $-0.15 \text{ dB}$

Peak SAR (extrapolated) =  $0.225 \text{ W/kg}$

**SAR(1 g) =  $0.091 \text{ W/kg}$ ; SAR(10 g) =  $0.041 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.163 \text{ W/kg}$



0 dB =  $0.163 \text{ W/kg}$  =  $-7.88 \text{ dBW/kg}$

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Date: 2018/3/27

**LTE Band 2 (20MHz)\_Body\_Back side\_CH 19100\_QPSK\_100-0\_0mm**

Communication System: LTE; Frequency: 1900 MHz Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.552$  S/m;  $\epsilon_r = 54.215$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.3°C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x91x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.79 W/kg

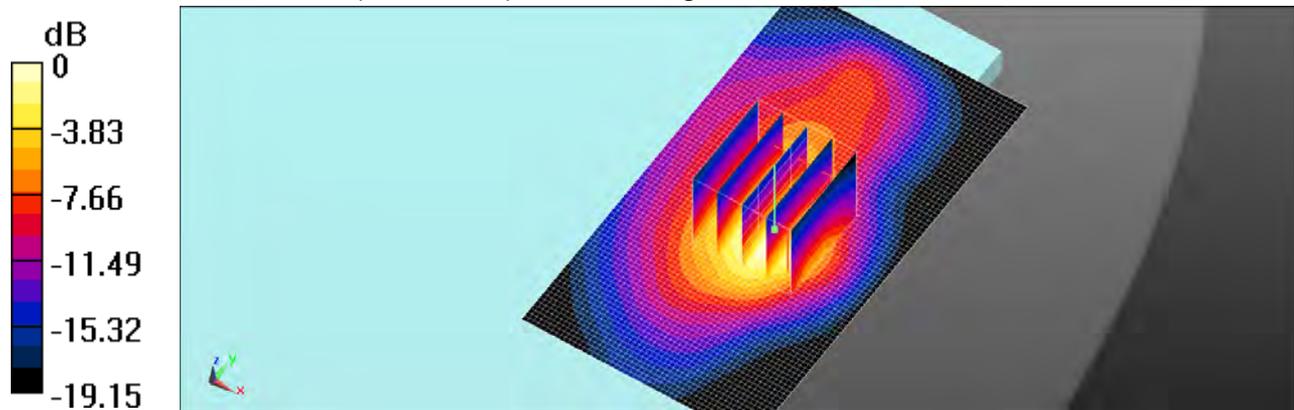
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.486 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.10 W/kg

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.529 W/kg**

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

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Date: 2018/3/27

**LTE Band 2 (20MHz)\_Body\_Top side\_CH 18900\_QPSK\_100-0\_0mm**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.538 \text{ S/m}$ ;  $\epsilon_r = 54.306$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature:  $21.8^\circ\text{C}$ ; Liquid temperature:  $22.3^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(8.12, 8.12, 8.12); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.673 \text{ W/kg}$

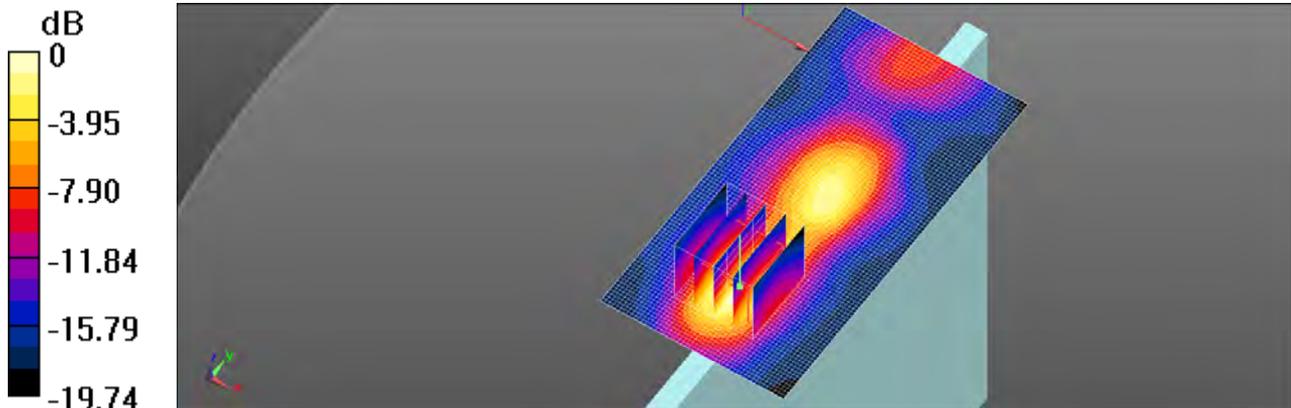
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $11.66 \text{ V/m}$ ; Power Drift =  $0.14 \text{ dB}$

Peak SAR (extrapolated) =  $0.909 \text{ W/kg}$

**SAR(1 g) =  $0.458 \text{ W/kg}$ ; SAR(10 g) =  $0.209 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.697 \text{ W/kg}$



0 dB =  $0.697 \text{ W/kg} = -1.57 \text{ dBW/kg}$

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group

Date: 2018/3/26

**LTE Band 4 (20MHz)\_Body\_Back side\_CH 20175\_QPSK\_100-0\_0mm**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.432$  S/m;  $\epsilon_r = 54.851$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.2°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x91x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

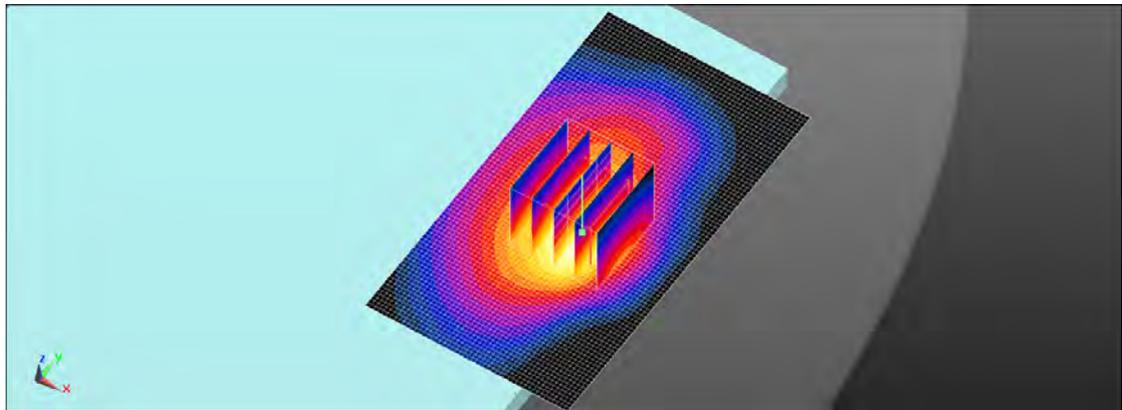
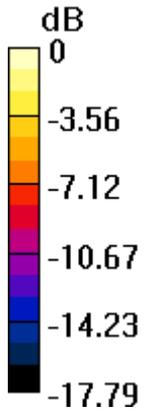
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.313 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.359 W/kg**

Maximum value of SAR (measured) = 0.974 W/kg



0 dB = 0.974 W/kg = -0.11 dBW/kg

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Date: 2018/3/26

**LTE Band 4 (20MHz)\_Body\_Top side\_CH 20175\_QPSK\_100-0\_0mm**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1732.5 \text{ MHz}$ ;  $\sigma = 1.432 \text{ S/m}$ ;  $\epsilon_r = 54.851$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature: 22.2°C; Liquid temperature: 22.5°C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(8.43, 8.43, 8.43); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.686 W/kg

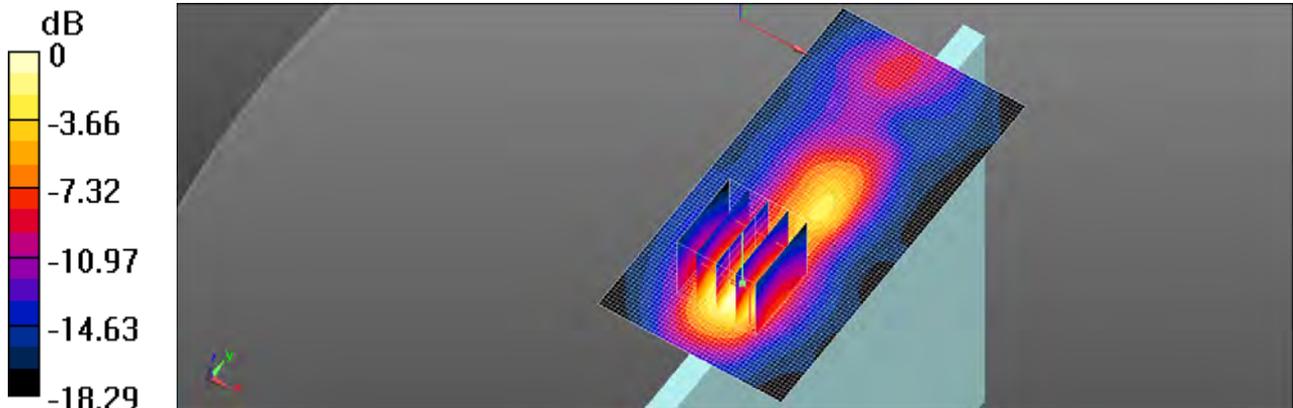
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.21 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.226 W/kg**

Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg = -1.63 dBW/kg

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Date: 2018/4/17

**LTE Band 5 (10MHz)\_Body\_Right side\_CH 20600\_QPSK\_25-25\_0mm**

Communication System: LTE; Frequency: 844 MHz

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.984 \text{ S/m}$ ;  $\epsilon_r = 52.842$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature:  $22.1^\circ\text{C}$ ; Liquid temperature:  $21.6^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.65, 9.65, 9.65); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (41x81x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.101 \text{ W/kg}$

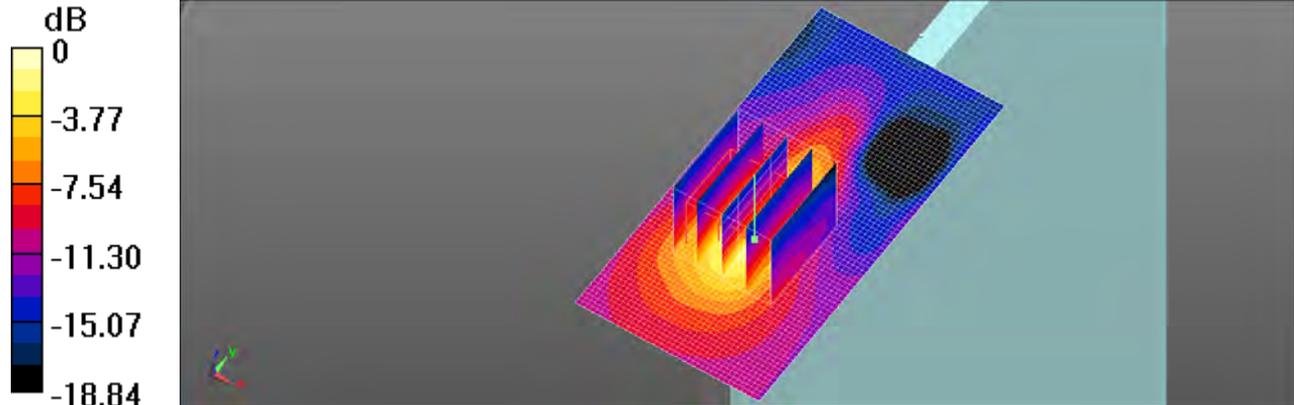
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $2.429 \text{ V/m}$ ; Power Drift =  $-0.10 \text{ dB}$

Peak SAR (extrapolated) =  $0.191 \text{ W/kg}$

**SAR(1 g) =  $0.053 \text{ W/kg}$ ; SAR(10 g) =  $0.022 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.120 \text{ W/kg}$



$0 \text{ dB} = 0.120 \text{ W/kg} = -9.21 \text{ dBW/kg}$

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Date: 2018/3/23

**LTE Band 5 (10MHz)\_Body\_Back side\_CH 20600\_QPSK\_25-25\_0mm**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.983 \text{ S/m}$ ;  $\epsilon_r = 52.862$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature: 22.1°C; Liquid temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.65, 9.65, 9.65); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.988 W/kg

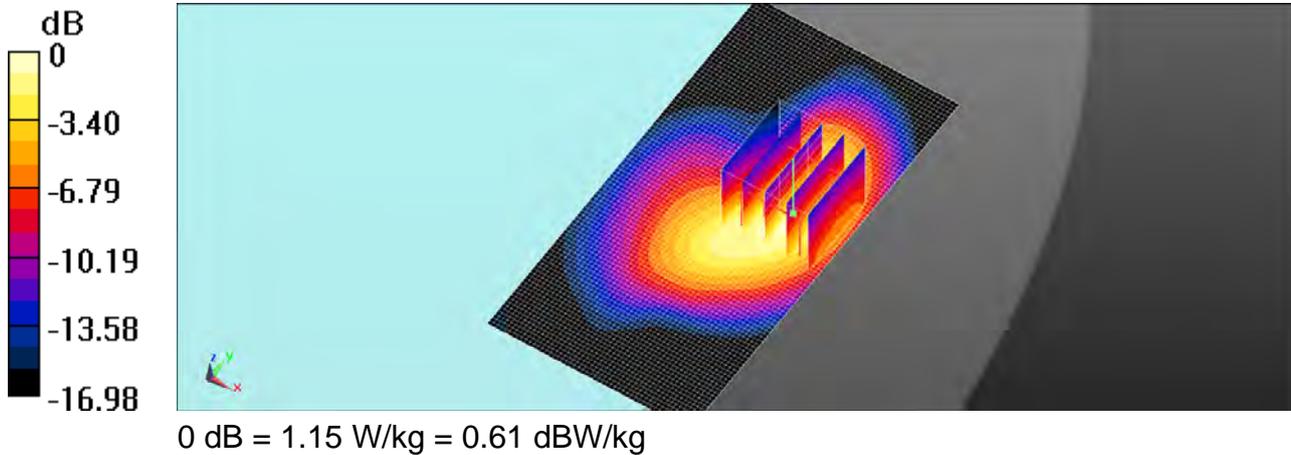
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.774 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.470 W/kg**

Maximum value of SAR (measured) = 1.15 W/kg



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Date: 2018/3/23

**LTE Band 5 (10MHz)\_Body\_Top side\_CH 20600\_QPSK\_25-25\_0mm**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.983 \text{ S/m}$ ;  $\epsilon_r = 52.862$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature: 22.1°C; Liquid temperature: 21.4°C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(9.65, 9.65, 9.65); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.909 W/kg

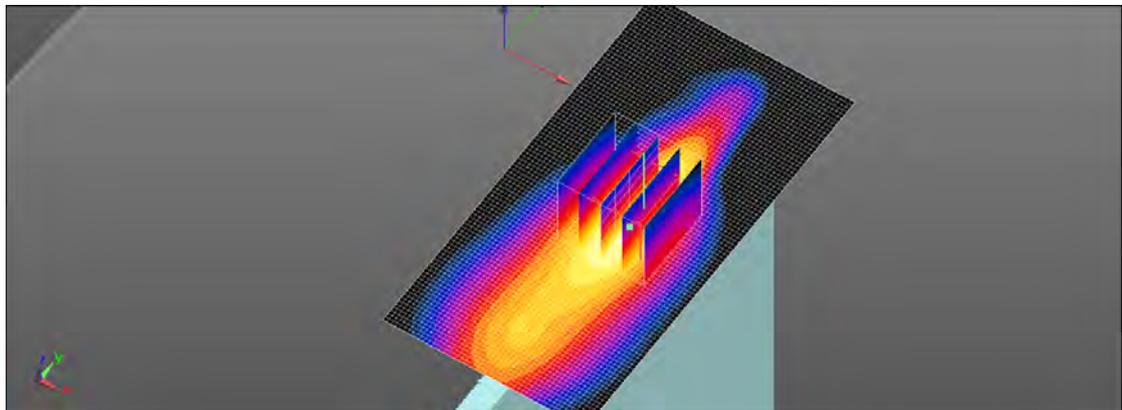
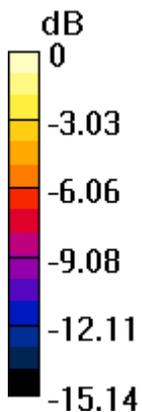
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.42 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.352 W/kg**

Maximum value of SAR (measured) = 0.947 W/kg



0 dB = 0.947 W/kg = -0.24 dBW/kg

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Date: 2018/4/18

**LTE Band 7 (20MHz)\_Body\_Right side\_CH 20850\_QPSK\_50-0\_0mm**

Communication System: LTE; Frequency: 2510 MHz

Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.103$  S/m;  $\epsilon_r = 51.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.47, 7.47, 7.47); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=12 mm, dy=12 mm

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

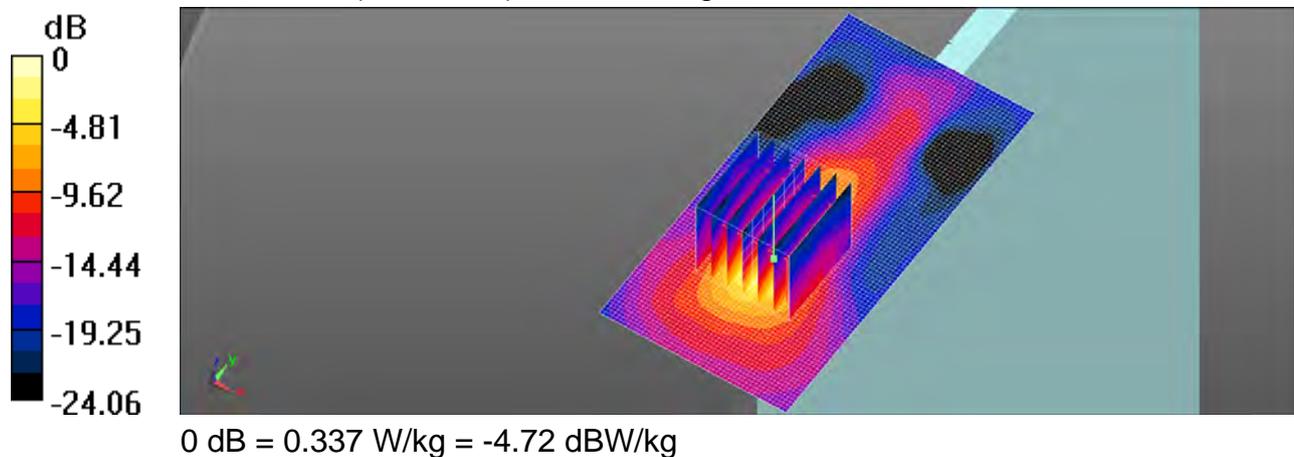
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.693 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.497 W/kg

**SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.070 W/kg**

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



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Date: 2018/3/28

**LTE Band 7 (20MHz)\_Body\_Back side\_CH 20850\_QPSK\_50-0\_0mm**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.114$  S/m;  $\epsilon_r = 51.592$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Ambient temperature: 22.4°C; Liquid temperature: 22.7°C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(7.47, 7.47, 7.47); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (61x101x1):** Interpolated grid: dx=12 mm, dy=12 mm

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

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

Reference Value = 2.515 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 0.750 W/kg

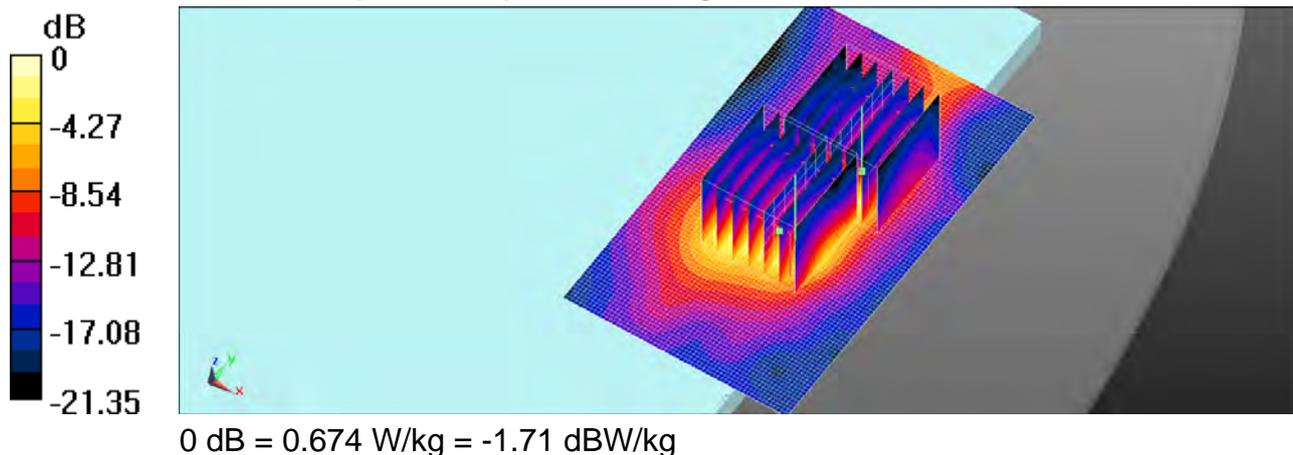
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.515 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.939 W/kg

**SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.167 W/kg**

Maximum value of SAR (measured) = 0.674 W/kg



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Date: 2018/3/28

**LTE Band 7 (20MHz)\_Body\_Top side\_CH 20850\_QPSK\_50-0\_0mm**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2510 \text{ MHz}$ ;  $\sigma = 2.114 \text{ S/m}$ ;  $\epsilon_r = 51.592$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature: 22.4°C; Liquid temperature: 22.7°C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(7.47, 7.47, 7.47); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (61x121x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.815 W/kg

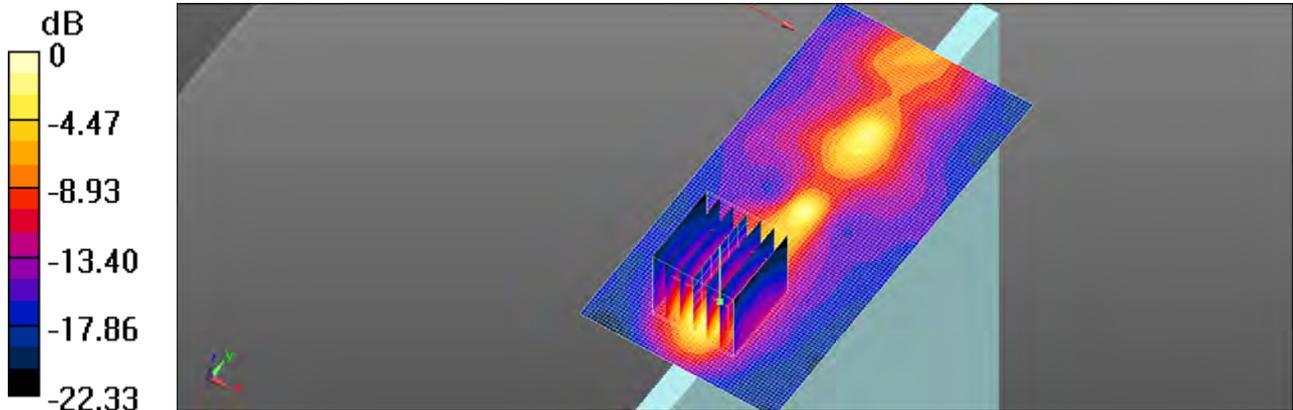
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.18 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 0.797 W/kg



0 dB = 0.797 W/kg = -0.99 dBW/kg

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Date: 2018/4/17

**LTE Band 12 (10MHz)\_Body\_Right side\_CH 23095\_QPSK\_50-0\_0mm**

Communication System: LTE; Frequency: 707.5 MHz

Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.931$  S/m;  $\epsilon_r = 57.704$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.96, 9.96, 9.96); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (41x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

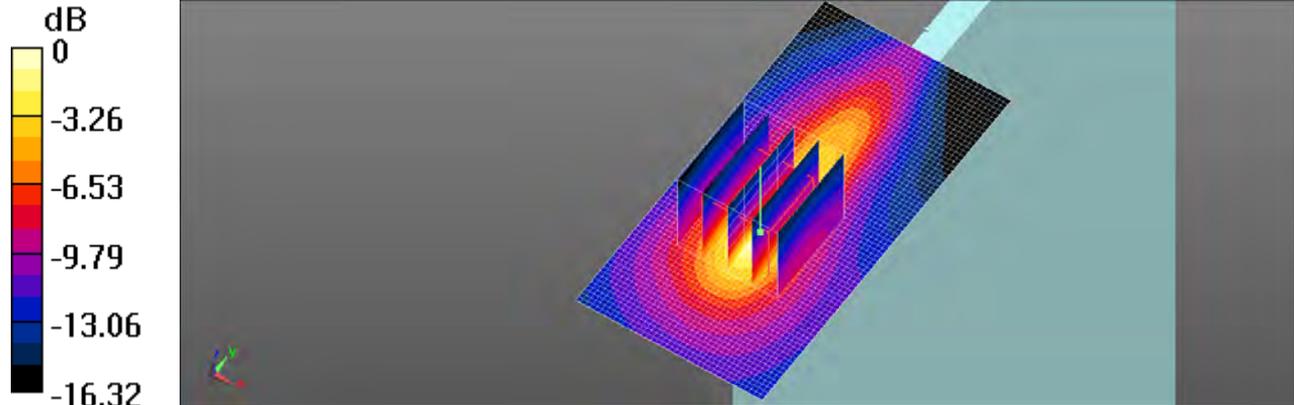
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.782 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.371 W/kg

**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.064 W/kg**

Maximum value of SAR (measured) = 0.250 W/kg



0 dB = 0.250 W/kg = -6.02 dBW/kg

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Date: 2018/3/22

**LTE Band 12 (10MHz)\_Body\_Back side\_CH 23130\_QPSK\_50-0\_0mm**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.929 \text{ S/m}$ ;  $\epsilon_r = 57.576$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature: 21.4°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.96, 9.96, 9.96); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.36 W/kg

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

Reference Value = 2.907 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.659 W/kg**

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

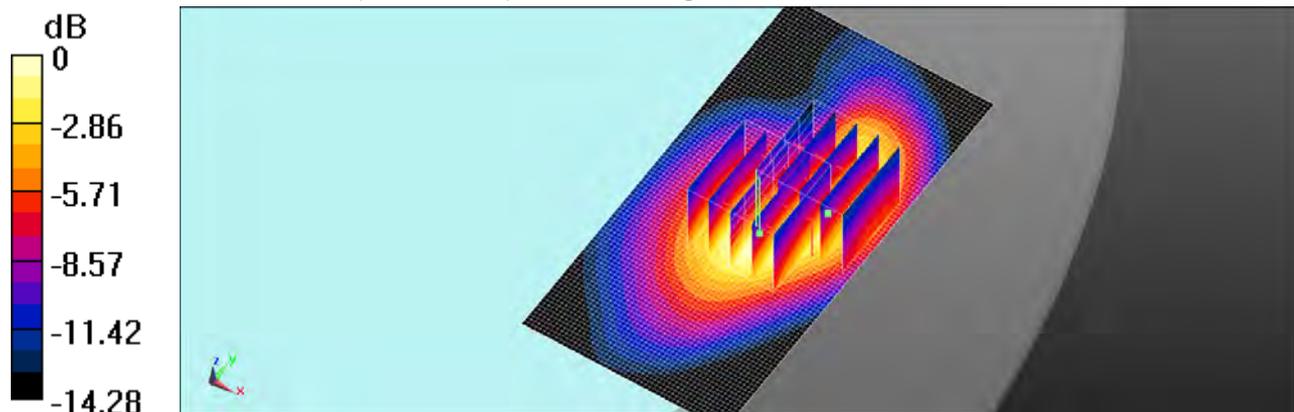
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.907 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.619 W/kg**

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



0 dB = 1.39 W/kg = 1.43 dBW/kg

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Date: 2018/3/22

**LTE Band 12 (10MHz)\_Body\_Top side\_CH 23095\_QPSK\_50-0\_0mm**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.924 \text{ S/m}$ ;  $\epsilon_r = 57.932$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature: 21.4°C; Liquid temperature: 21.7°C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(9.96, 9.96, 9.96); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.811 W/kg

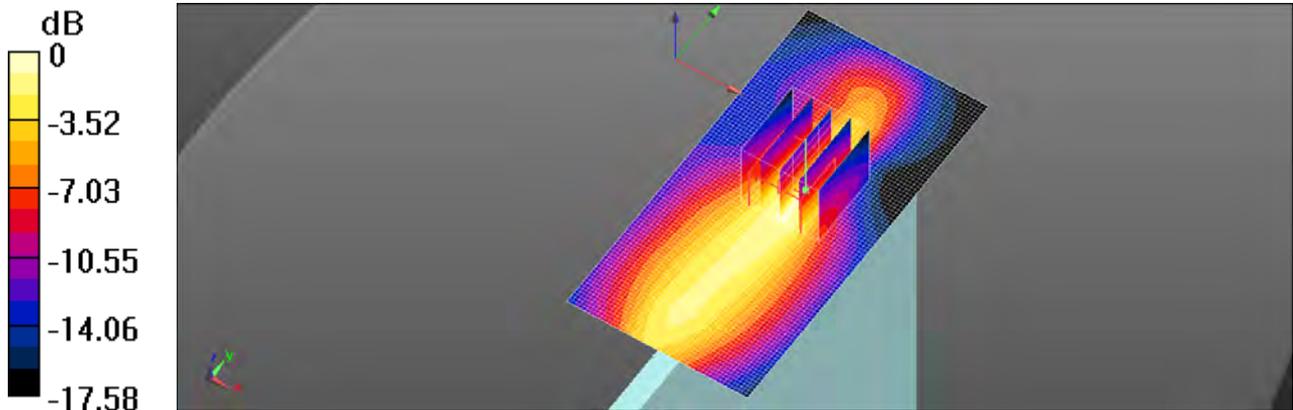
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.78 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.637 W/kg; SAR(10 g) = 0.331 W/kg**

Maximum value of SAR (measured) = 0.941 W/kg



0 dB = 0.941 W/kg = -0.26 dBW/kg

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Date: 2018/4/17

**LTE Band 17 (10MHz)\_Body\_Right side\_CH 23780\_QPSK\_25-25\_0mm**

Communication System: LTE; Frequency: 709 MHz

Medium parameters used:  $f = 709 \text{ MHz}$ ;  $\sigma = 0.933 \text{ S/m}$ ;  $\epsilon_r = 57.669$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.96, 9.96, 9.96); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (41x81x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

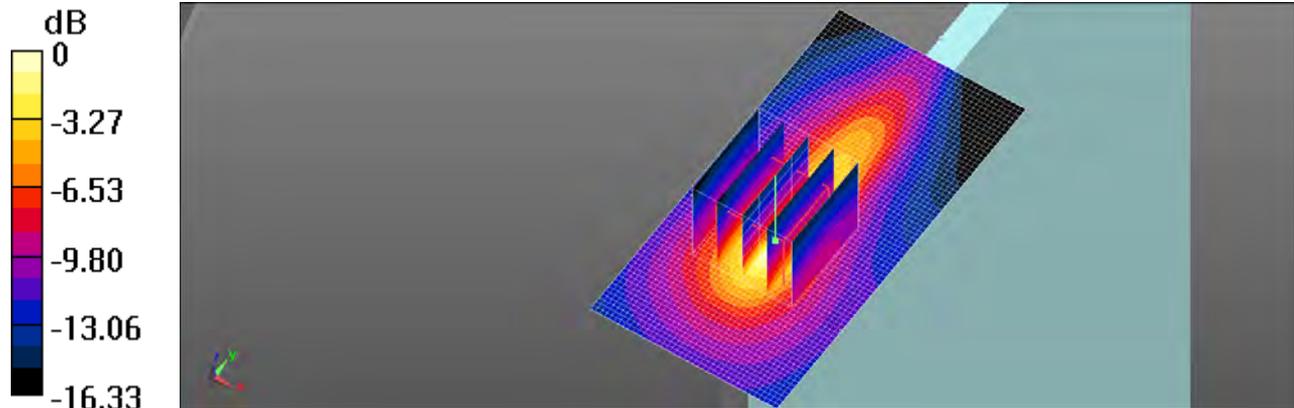
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.962 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.372 W/kg

**SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.064 W/kg**

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



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

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Date: 2018/3/22

**LTE Band 17 (10MHz)\_Body\_Back side\_CH 23790\_QPSK\_25-0\_0mm**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 710 \text{ MHz}$ ;  $\sigma = 0.931 \text{ S/m}$ ;  $\epsilon_r = 57.586$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature:  $21.4^\circ\text{C}$ ; Liquid temperature:  $21.7^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(9.96, 9.96, 9.96); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.38 \text{ W/kg}$

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

Reference Value =  $2.992 \text{ V/m}$ ; Power Drift =  $0.12 \text{ dB}$

Peak SAR (extrapolated) =  $1.78 \text{ W/kg}$

**SAR(1 g) =  $1.1 \text{ W/kg}$ ; SAR(10 g) =  $0.673 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.45 \text{ W/kg}$

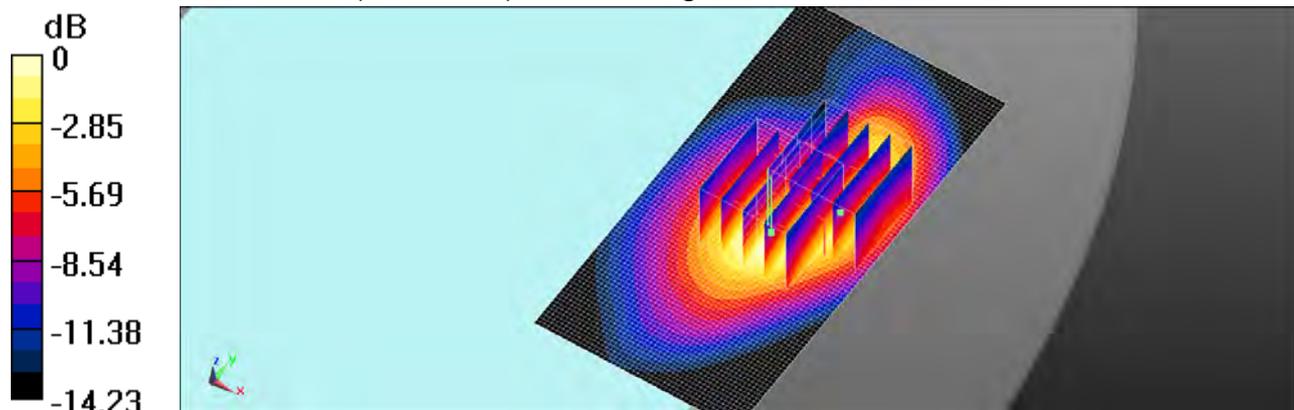
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $2.992 \text{ V/m}$ ; Power Drift =  $0.12 \text{ dB}$

Peak SAR (extrapolated) =  $1.79 \text{ W/kg}$

**SAR(1 g) =  $1.07 \text{ W/kg}$ ; SAR(10 g) =  $0.635 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.43 \text{ W/kg}$



0 dB =  $1.43 \text{ W/kg} = 1.55 \text{ dBW/kg}$

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Date: 2018/3/22

**LTE Band 17 (10MHz)\_Body\_Top side\_CH 23780\_QPSK\_25-25\_0mm**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 709 \text{ MHz}$ ;  $\sigma = 0.926 \text{ S/m}$ ;  $\epsilon_r = 57.587$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Ambient temperature: 21.4°C; Liquid temperature: 21.7°C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(9.96, 9.96, 9.96); Calibrated: 2017/4/27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2017/4/28
- Phantom: Body
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (51x101x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.833 W/kg

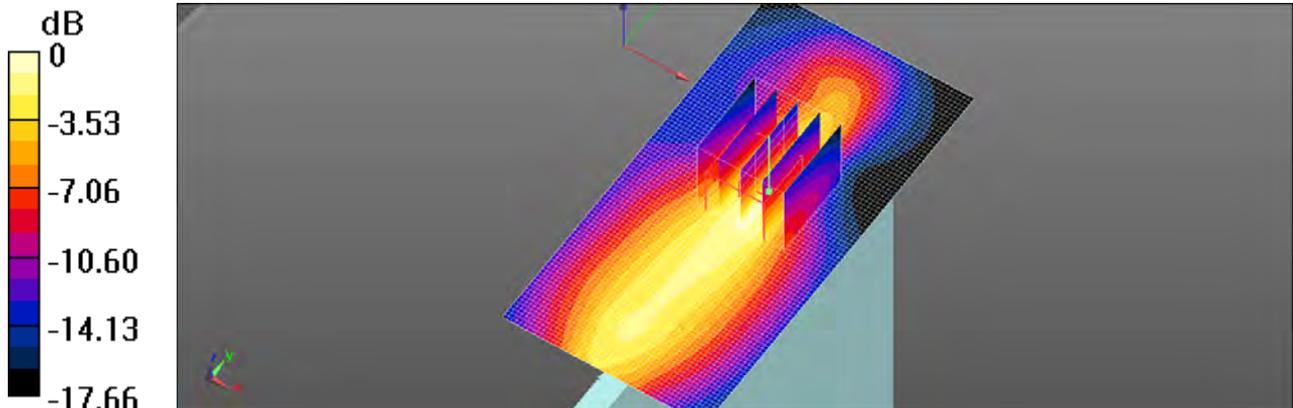
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.34 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.336 W/kg**

Maximum value of SAR (measured) = 0.951 W/kg



0 dB = 0.951 W/kg = -0.22 dBW/kg

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