

**#01\_WCDMA II\_RMC 12.2Kbps\_Bottom of Latop\_0mm\_Ch9400**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_190327 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.531$  S/m;  $\epsilon_r = 54.502$ ;

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

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

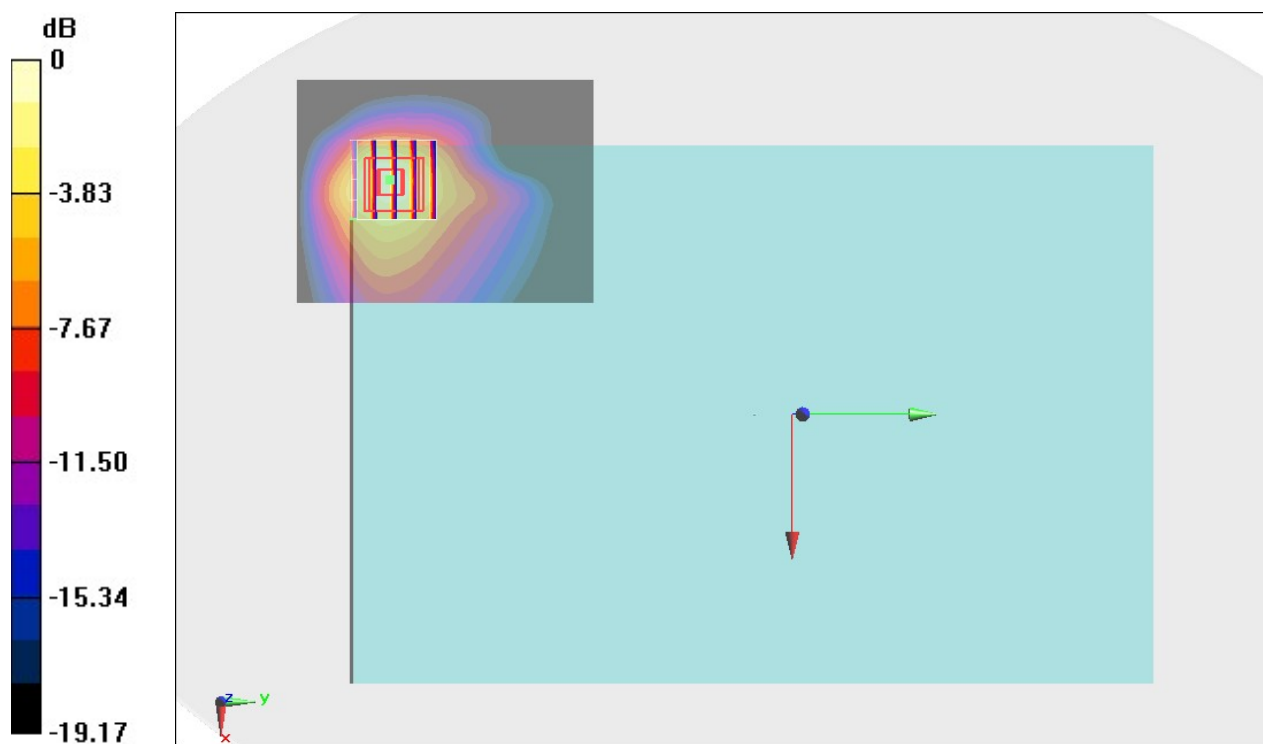
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 29.74 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.11 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.564 W/kg**

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

**#02\_WCDMA IV\_RMC 12.2Kbps\_Bottom of Latop\_0mm\_Ch1312**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_190328 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.449$  S/m;  $\epsilon_r = 54.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.97, 4.97, 4.97) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

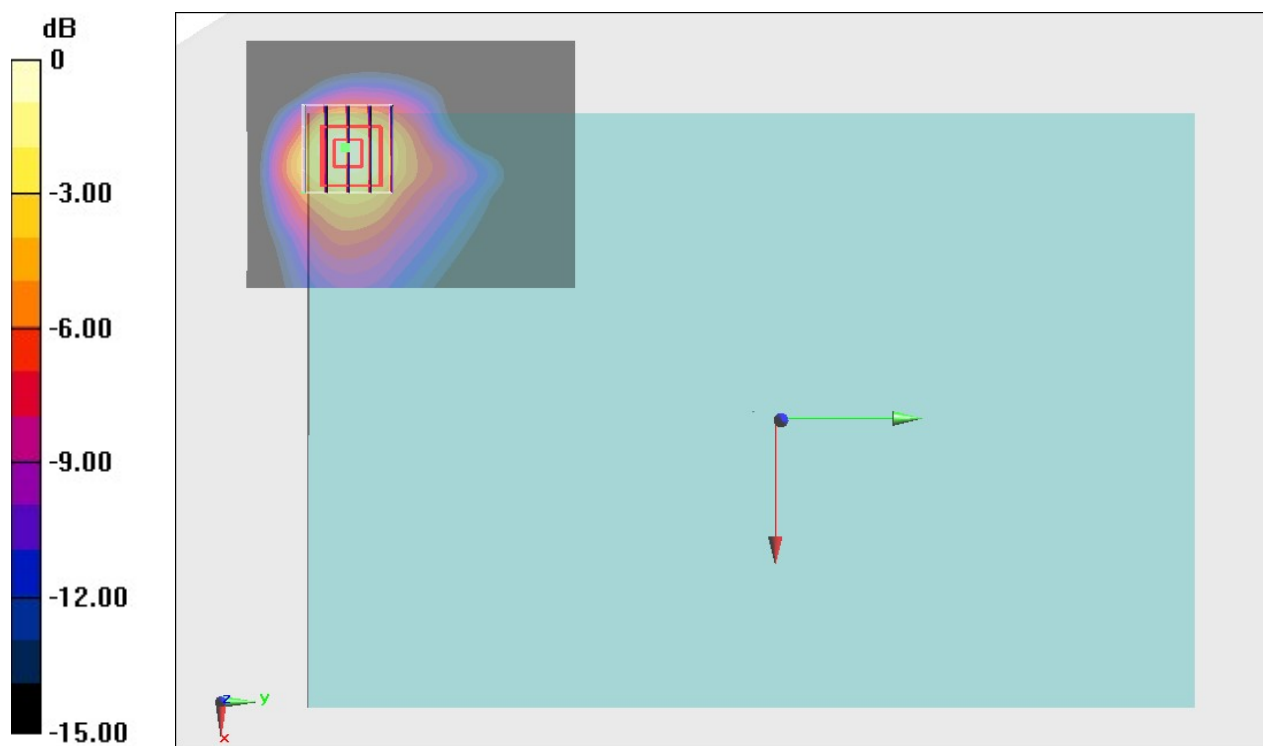
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.52 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.552 W/kg**

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



**#03\_WCDMA V\_RMC 12.2Kbps\_Bottom of Laptop\_0mm\_Ch4233**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_190327 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.988$  S/m;  $\epsilon_r = 55.701$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(6.11, 6.11, 6.11) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.34 W/kg

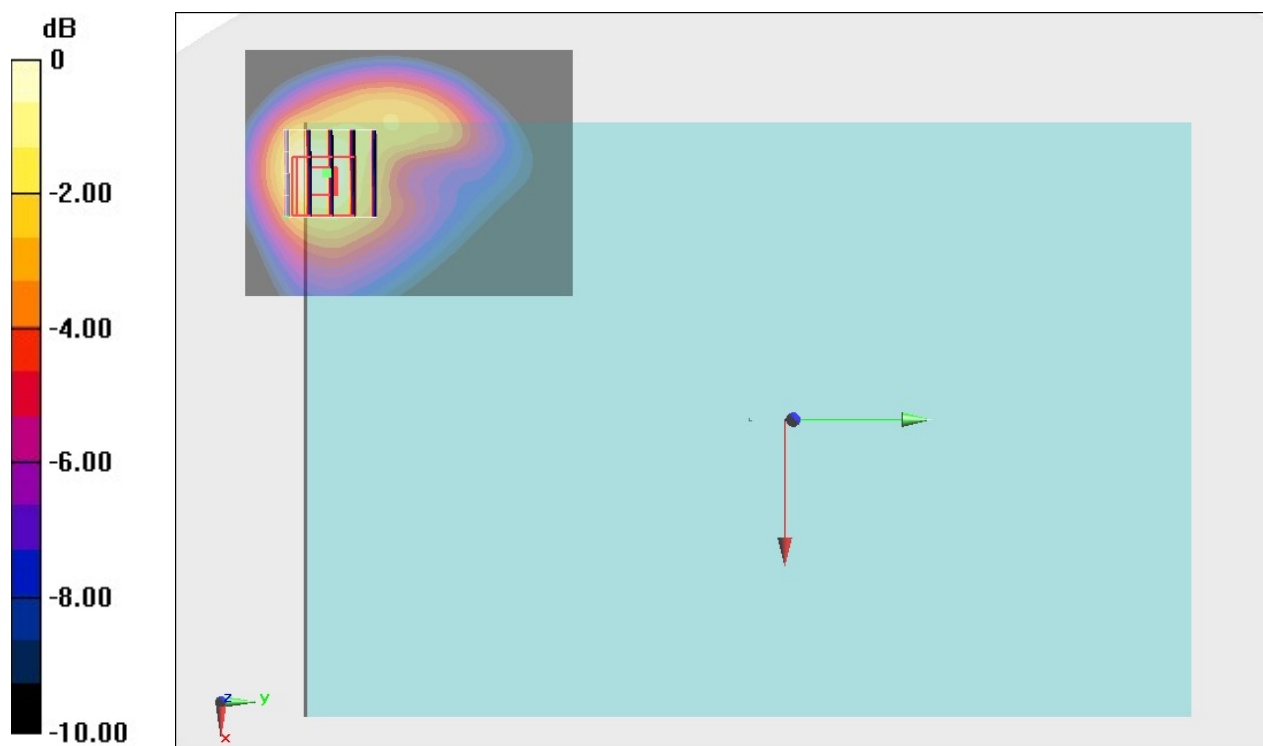
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 35.39 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.660 W/kg**

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

**#04\_LTE Band 7\_20M\_QPSK\_1\_0\_Bottom of Laptop\_0mm\_Ch21100**

Communication System: LTE ; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium: MSL\_2600\_190328 Medium parameters used :  $f = 2535$  MHz;  $\sigma = 2.095$  S/m;  $\epsilon_r = 52.636$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270;ConvF(4.24, 4.24, 4.24) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.61 W/kg

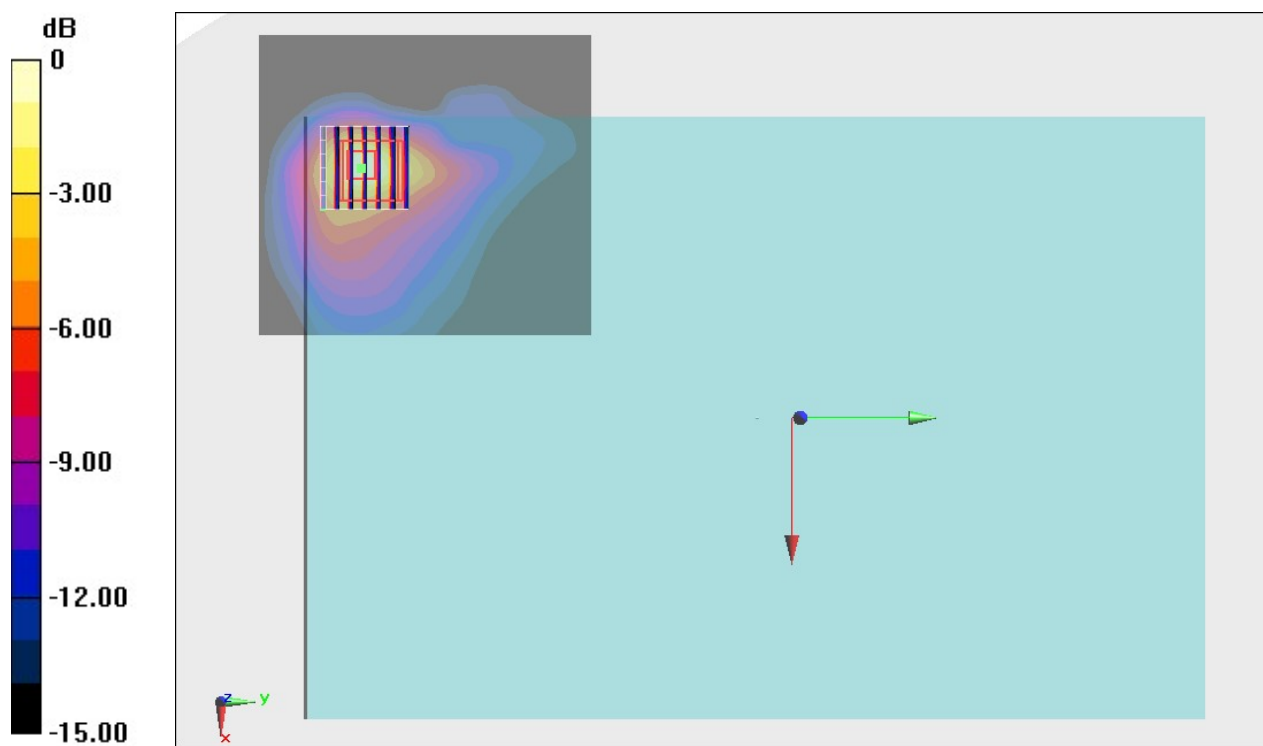
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.90 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.12 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.499 W/kg**

Maximum value of SAR (measured) = 1.65 W/kg



**#05\_LTE Band 12\_10M\_QPSK\_1\_0\_Bottom of Laptop\_0mm\_Ch23095**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190326 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 55.609$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(6.29, 6.29, 6.29) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

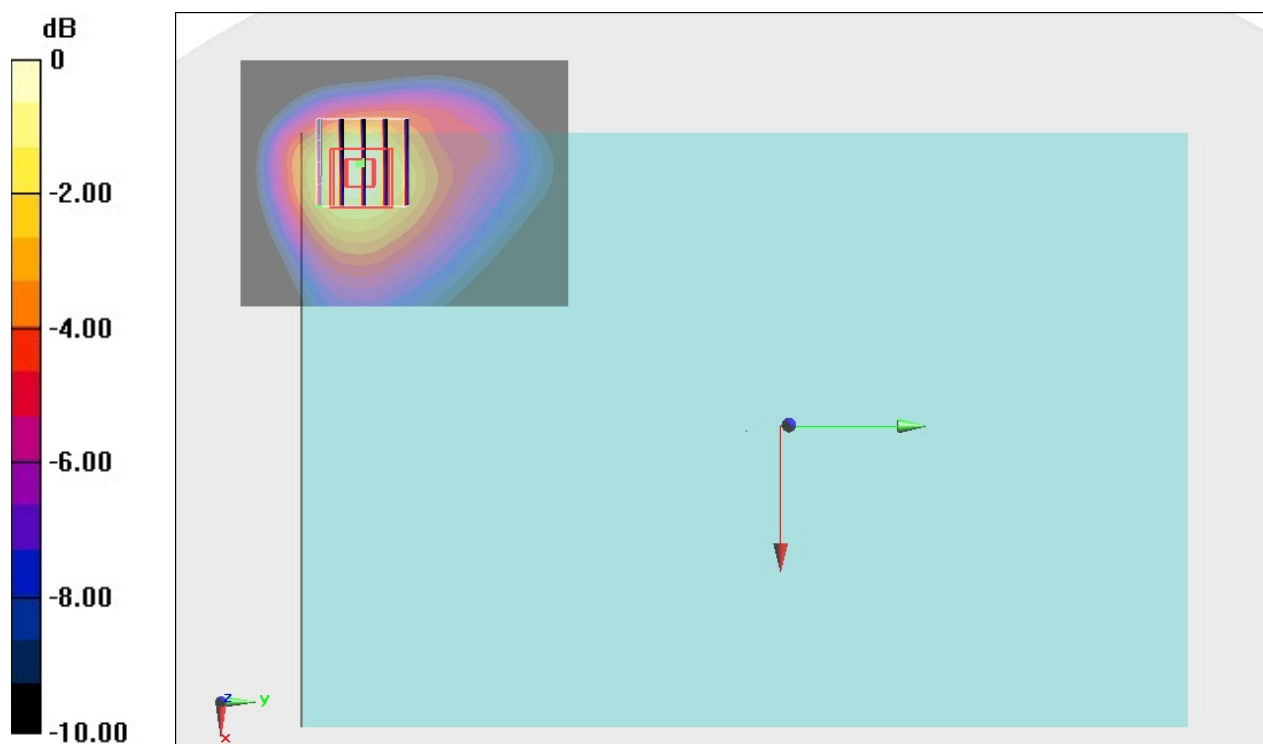
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.07 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.588 W/kg**

Maximum value of SAR (measured) = 1.16 W/kg



**#06\_LTE Band 13\_10M\_QPSK\_1\_0\_Bottom of Latop\_0mm\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190326 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.985$  S/m;  $\epsilon_r = 54.779$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(6.29, 6.29, 6.29) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

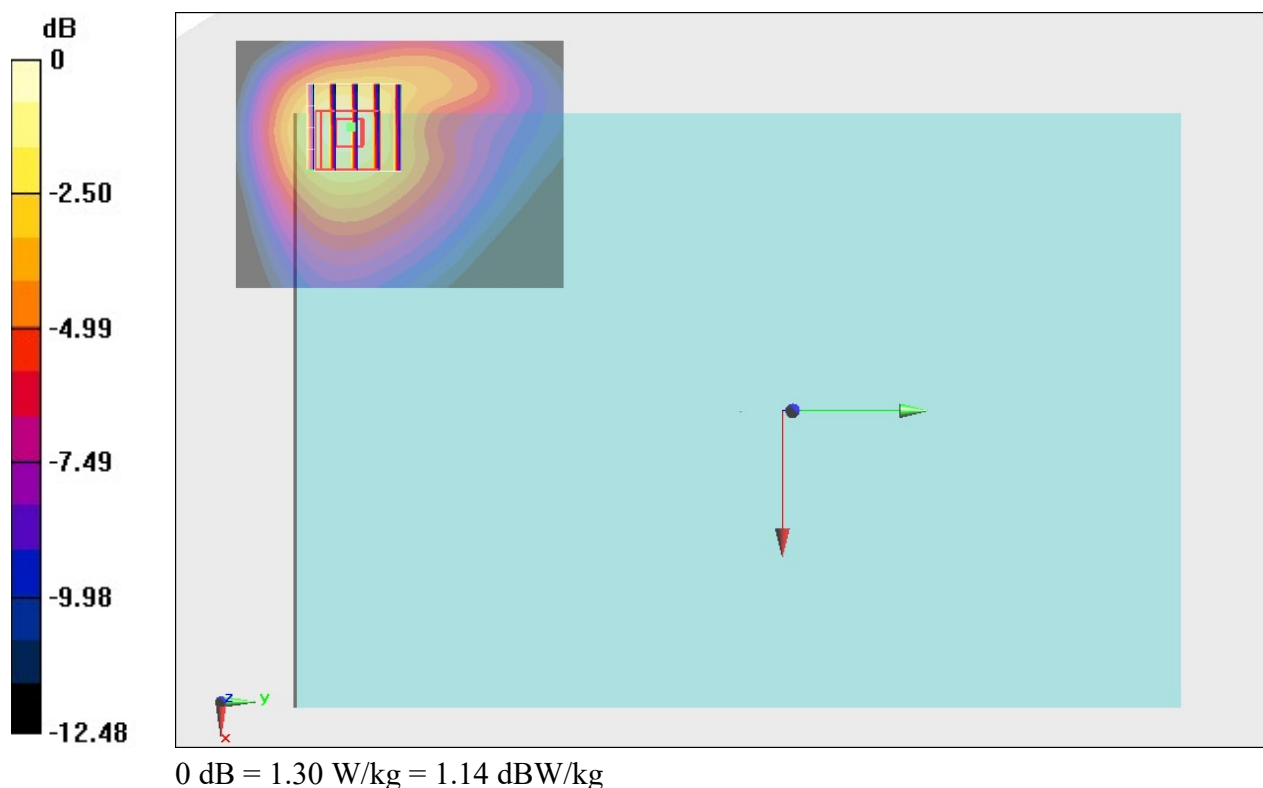
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 34.95 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.636 W/kg**

Maximum value of SAR (measured) = 1.30 W/kg



**#07\_LTE Band 14\_10M\_QPSK\_25\_0\_Bottom of Latop\_0mm\_Ch23330**

Communication System: LTE ; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_190326 Medium parameters used:  $f = 793$  MHz;  $\sigma = 0.998$  S/m;  $\epsilon_r = 54.759$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(6.29, 6.29, 6.29) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.24 W/kg

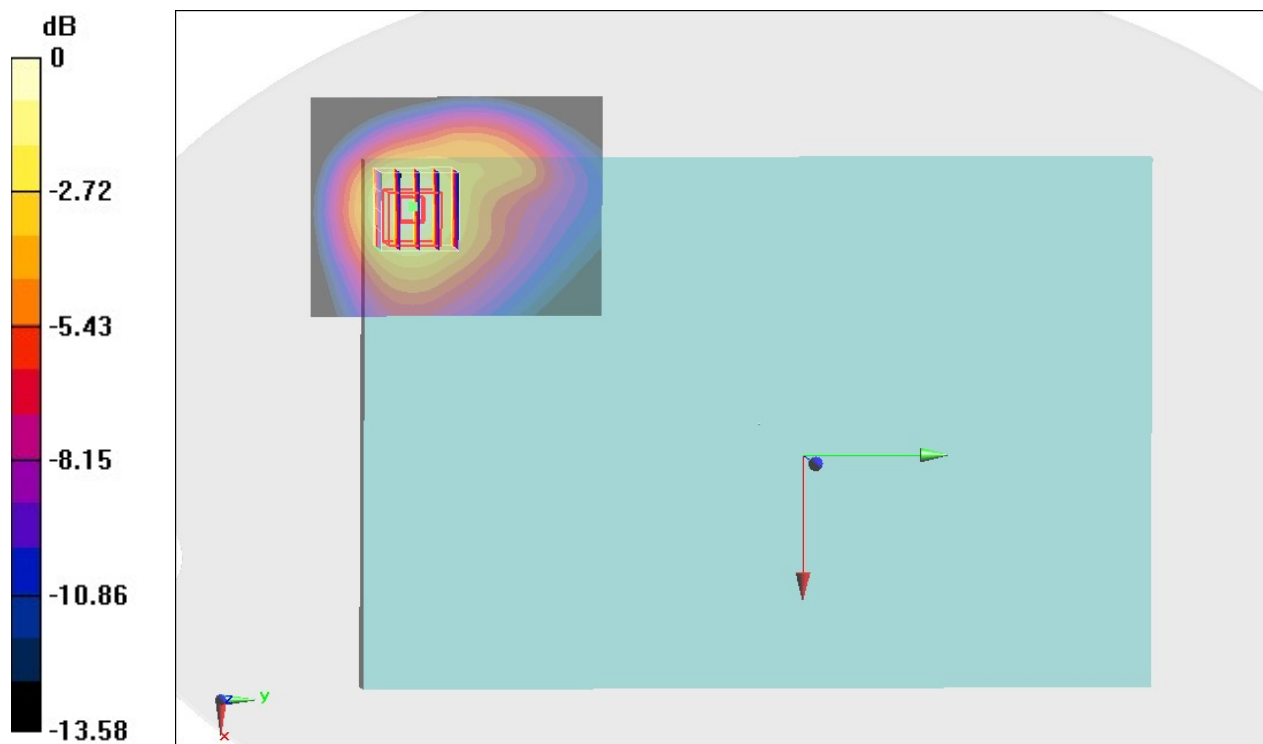
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 33.33 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.600 W/kg**

Maximum value of SAR (measured) = 1.24 W/kg



**#08\_LTE Band 25\_20M\_QPSK\_1\_0\_Bottom of Latop\_0mm\_Ch26140**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_190327 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.511$  S/m;  $\epsilon_r = 54.588$ ;

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

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.60 W/kg

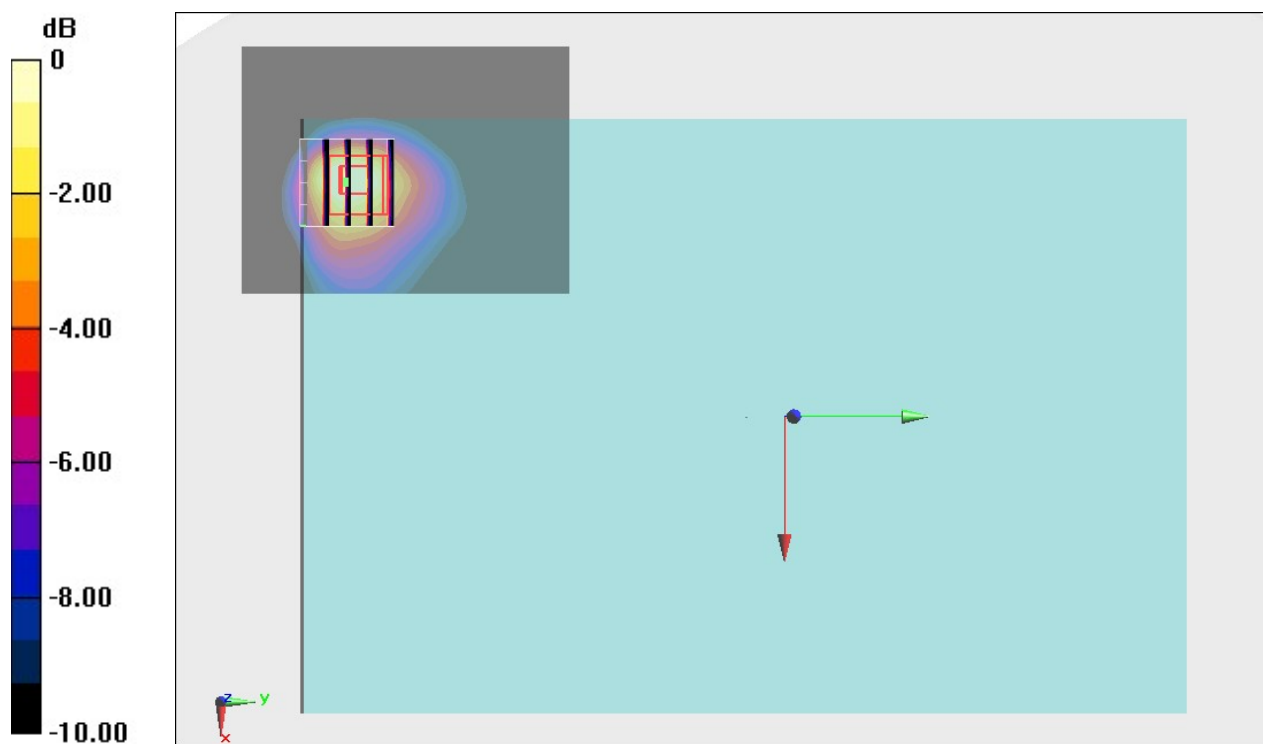
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 27.86 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.99 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.571 W/kg**

Maximum value of SAR (measured) = 1.32 W/kg





**#09\_LTE Band 26\_15M\_QPSK\_75\_0\_Bottom of Latop\_0mm\_Ch26865**

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_190327 Medium parameters used :  $f = 831.5$  MHz;  $\sigma = 0.973$  S/m;  $\epsilon_r = 55.837$ ;

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

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(6.11, 6.11, 6.11) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (71x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

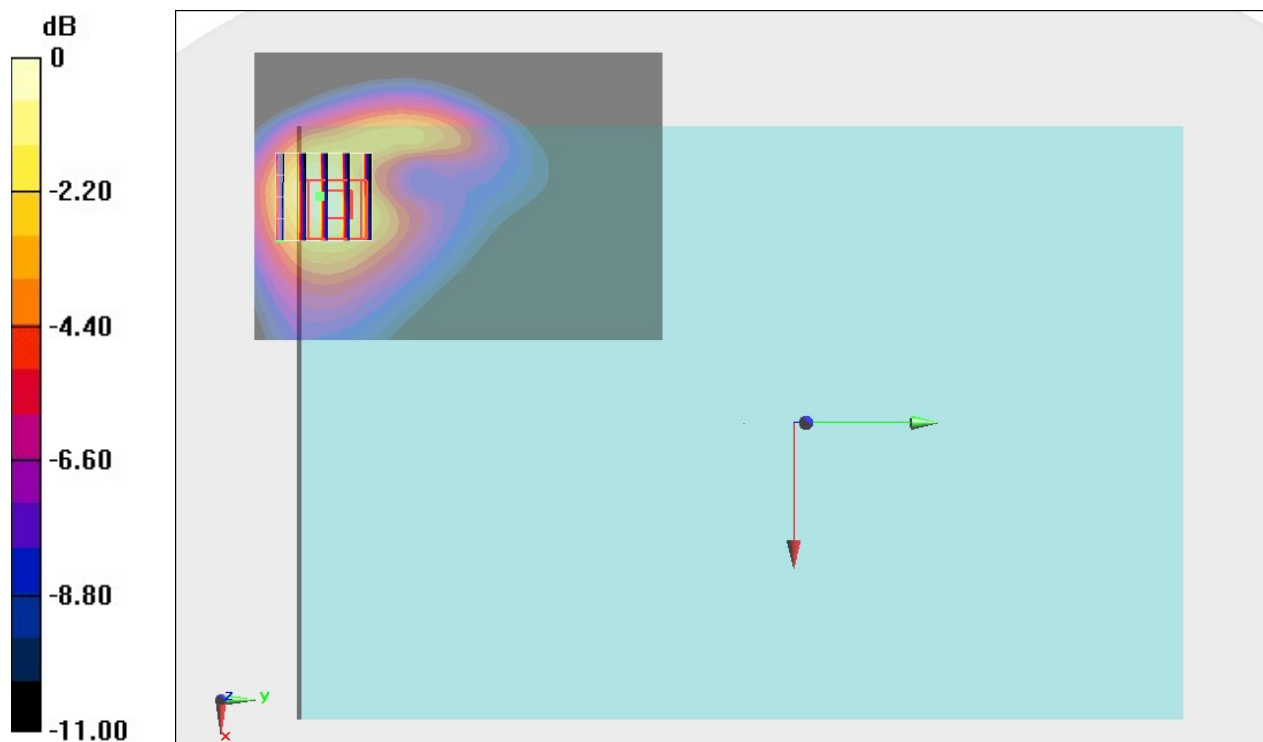
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.78 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.91 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.636 W/kg**

Maximum value of SAR (measured) = 1.33 W/kg



**#10\_LTE Band 30\_10M\_QPSK\_25\_0\_Bottom of Laptop\_0mm\_Ch27710**

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: MSL\_2300\_190329 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.773$  S/m;  $\epsilon_r = 53.489$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(4.5, 4.5, 4.5) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.18 W/kg

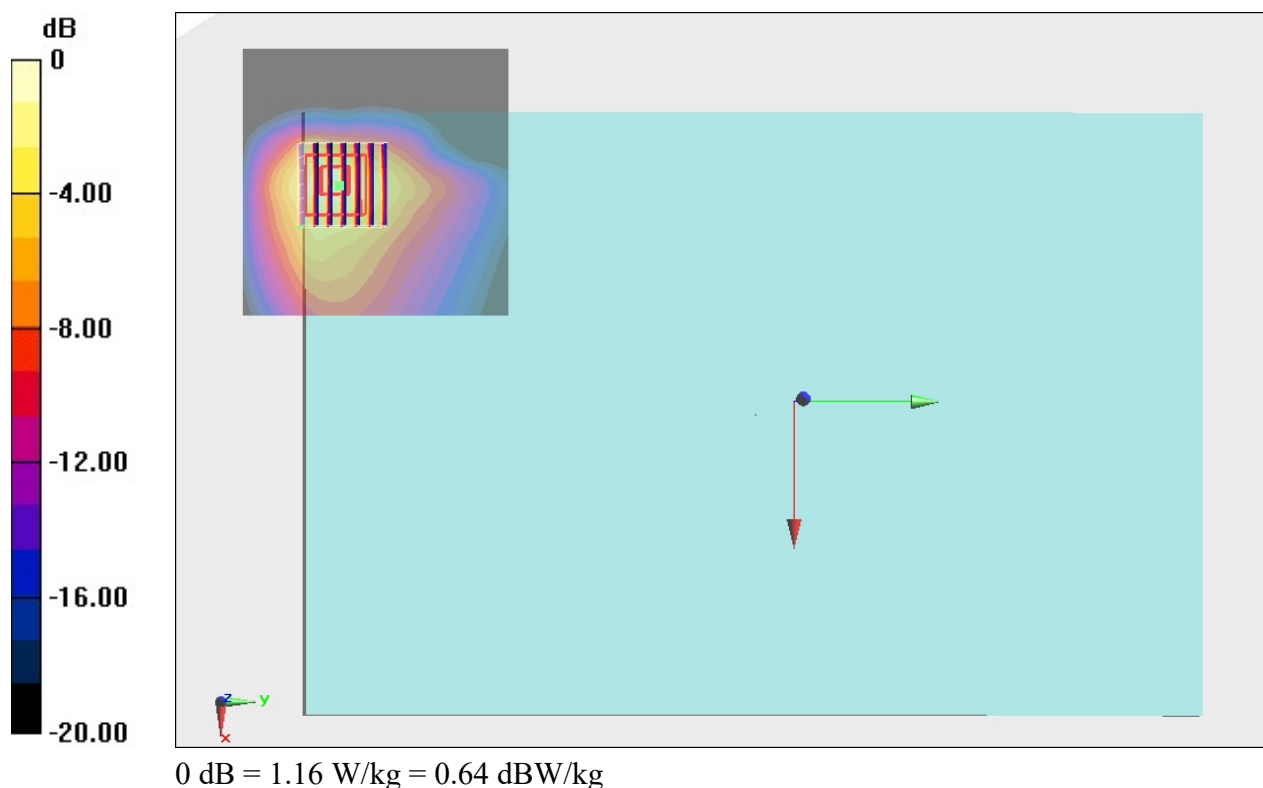
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.95 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.399 W/kg**

Maximum value of SAR (measured) = 1.16 W/kg



**#11\_LTE Band 66\_20M\_QPSK\_1\_0\_Bottom of Laptop\_0mm\_Ch132072**

Communication System: LTE ; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium: MSL\_1750\_190328 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.456$  S/m;  $\epsilon_r = 54.726$ ;

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

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270;ConvF(4.97, 4.97, 4.97) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.34 W/kg

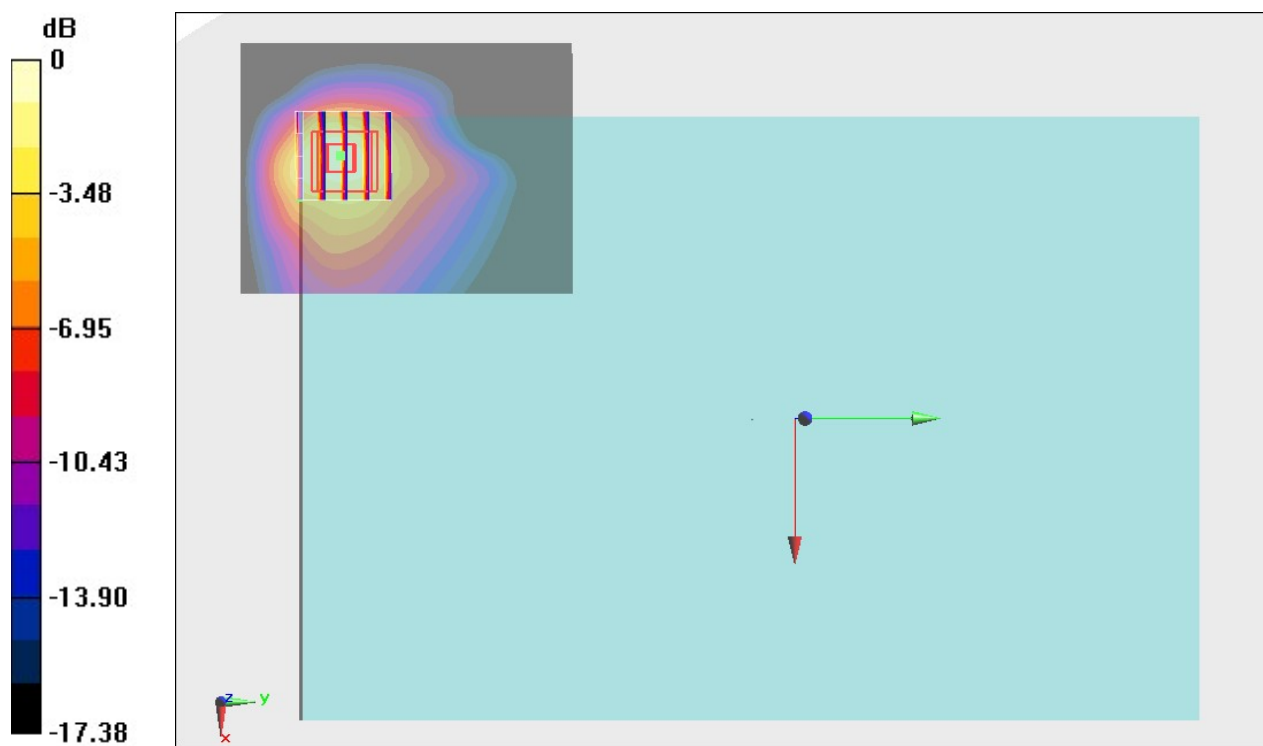
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.11 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.583 W/kg**

Maximum value of SAR (measured) = 1.38 W/kg



**#12\_LTE Band 41\_20M\_QPSK\_1\_0\_Bottom of Latop\_0mm\_Ch40185**

Communication System: LTE; Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

Medium: MSL\_2600\_190329 Medium parameters used:  $f = 2550$  MHz;  $\sigma = 2.128$  S/m;  $\epsilon_r = 52.759$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (81x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

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

Reference Value = 25.21 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.56 W/kg

**SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.396 W/kg**

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

