

**#36\_GSM850\_GPRS (3 Tx slots)\_Back\_5mm\_Ch128**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2.77

Medium: HSL\_850\_200131 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 42.606$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(6.42, 6.42, 6.42) @ 824.2 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn376; Calibrated: 2019/12/6
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.737 W/kg

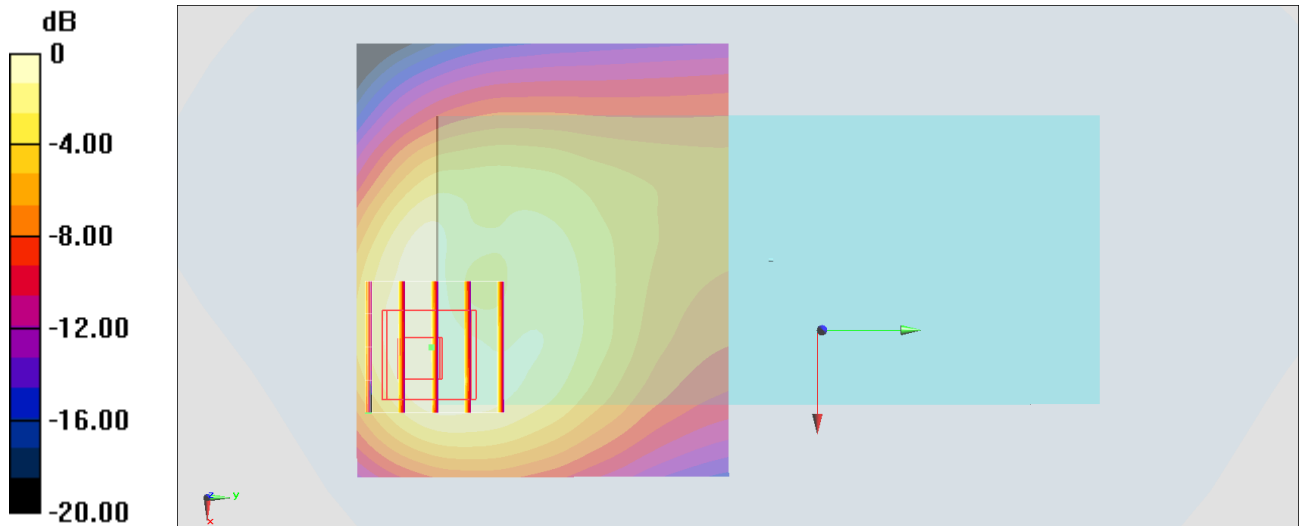
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.43 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.317 W/kg**

Maximum value of SAR (measured) = 0.668 W/kg



0 dB = 0.668 W/kg = -1.75 dBW/kg

**#37\_GSM1900\_GPRS (2 Tx slots)\_Front\_14mm\_Ch810**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: HSL\_1900\_200205 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.465$  S/m;  $\epsilon_r = 40.741$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.35, 8.35, 8.35) @ 1909.8 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

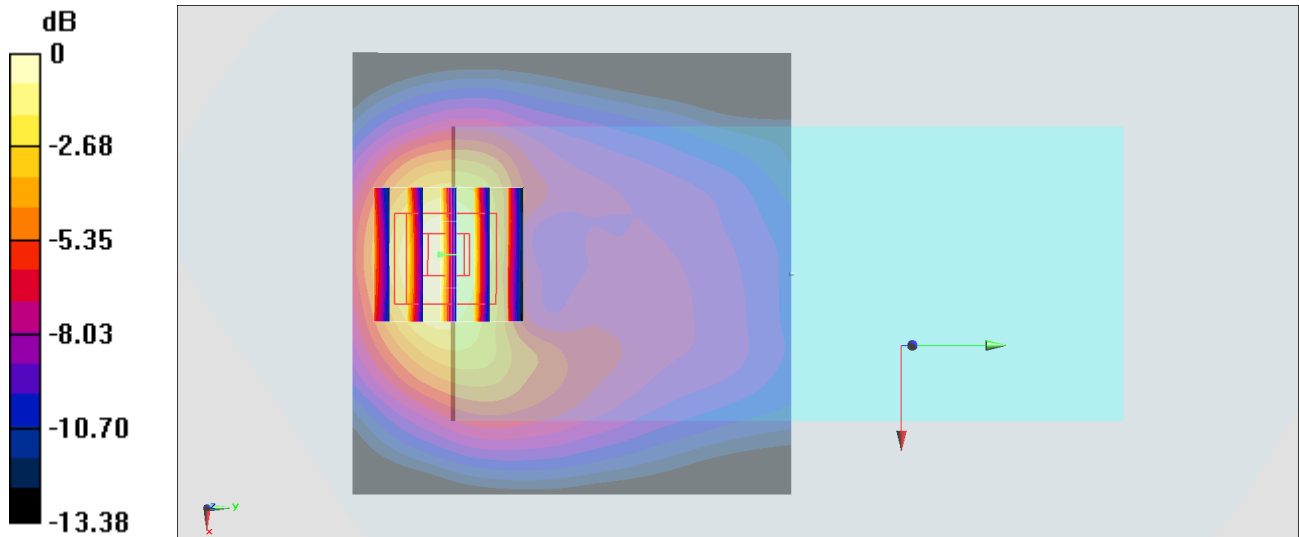
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.28 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.337 W/kg**

Maximum value of SAR (measured) = 0.919 W/kg



0 dB = 0.883 W/kg = -0.54 dBW/kg

**#38\_WCDMA II\_RMC 12.2Kbps\_Front\_14mm\_Ch9538**

Communication System: WCDMA ; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_200205 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.455$  S/m;  $\epsilon_r = 40.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.35, 8.35, 8.35) @ 1907.6 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.51 W/kg

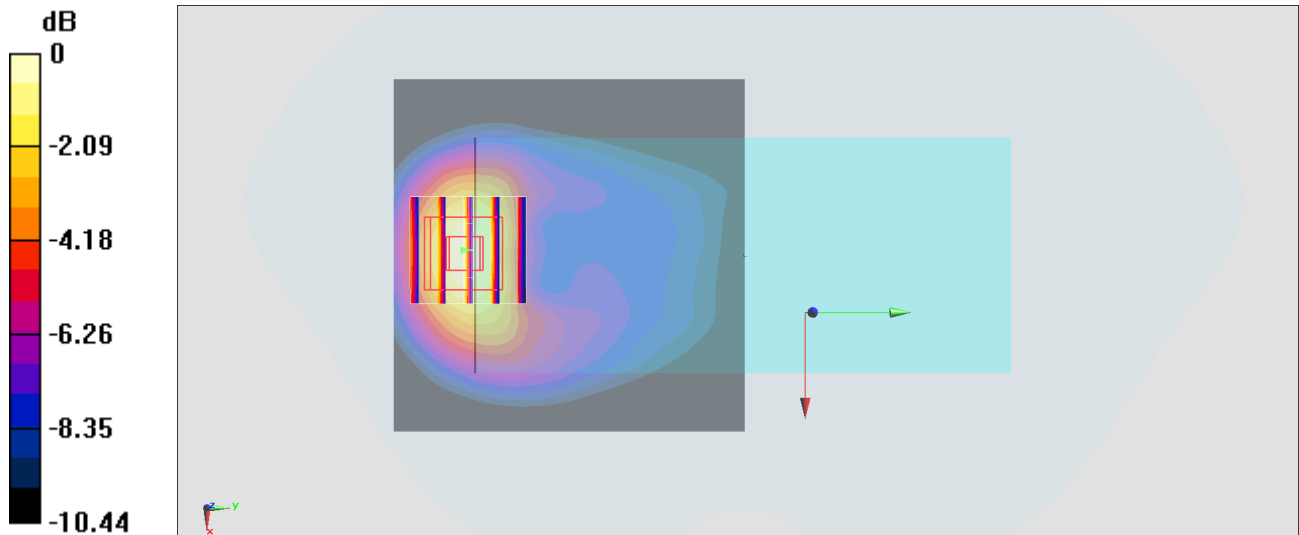
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.97 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.614 W/kg**

Maximum value of SAR (measured) = 1.68 W/kg



0 dB = 1.51 W/kg = 1.79 dBW/kg

**#39\_WCDMA V\_RMC 12.2Kbps\_Back\_5mm\_Ch4182**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_200107 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.887$  S/m;  $\epsilon_r = 42.118$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(6.42, 6.42, 6.42) @ 836.4 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.417 W/kg

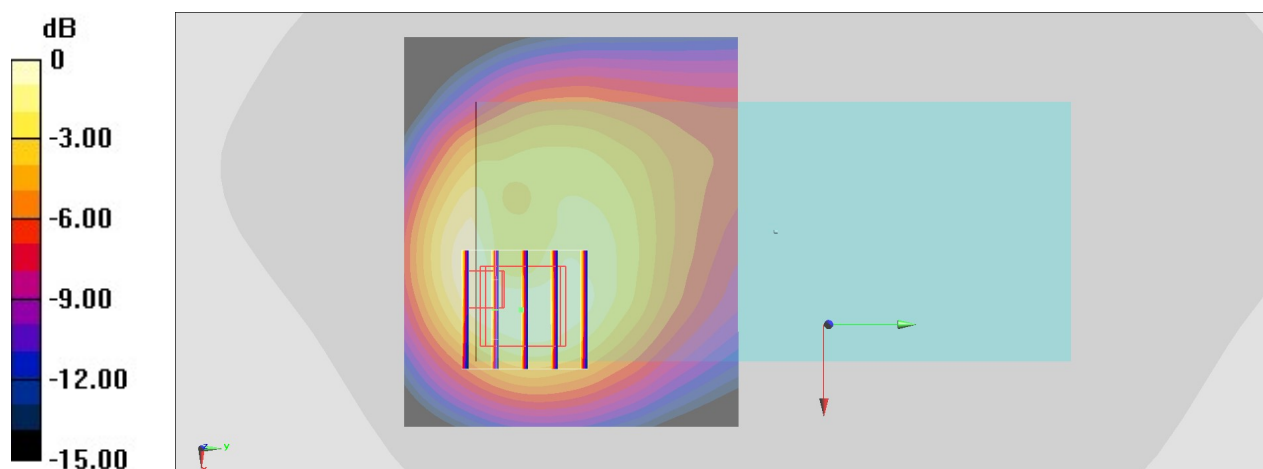
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.90 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.625 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.200 W/kg**

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



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

**#40\_CDMA BC0\_1xRTT RC3 SO32\_Front\_5mm\_Ch384**

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_200107 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 42.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(6.42, 6.42, 6.42) @ 836.52 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

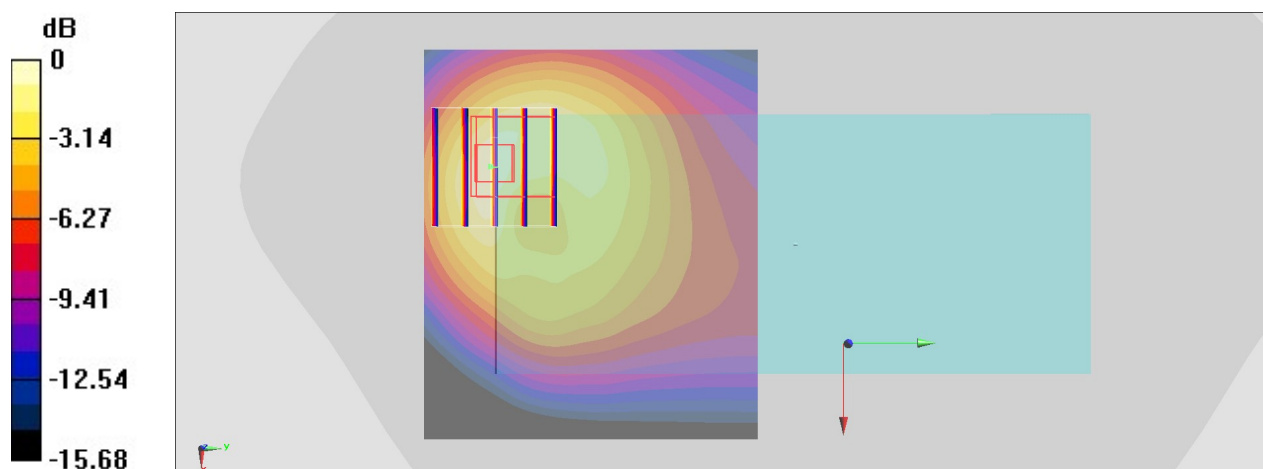
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.15 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.402 W/kg**

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



0 dB = 0.960 W/kg = -0.18 dBW/kg

**#41\_CDMA BC1\_1xRTT RC3 SO32\_Front\_14mm\_Ch1175**

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_200205 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 40.857$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3925; ConvF(8.35, 8.35, 8.35) @ 1908.75 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.27 W/kg

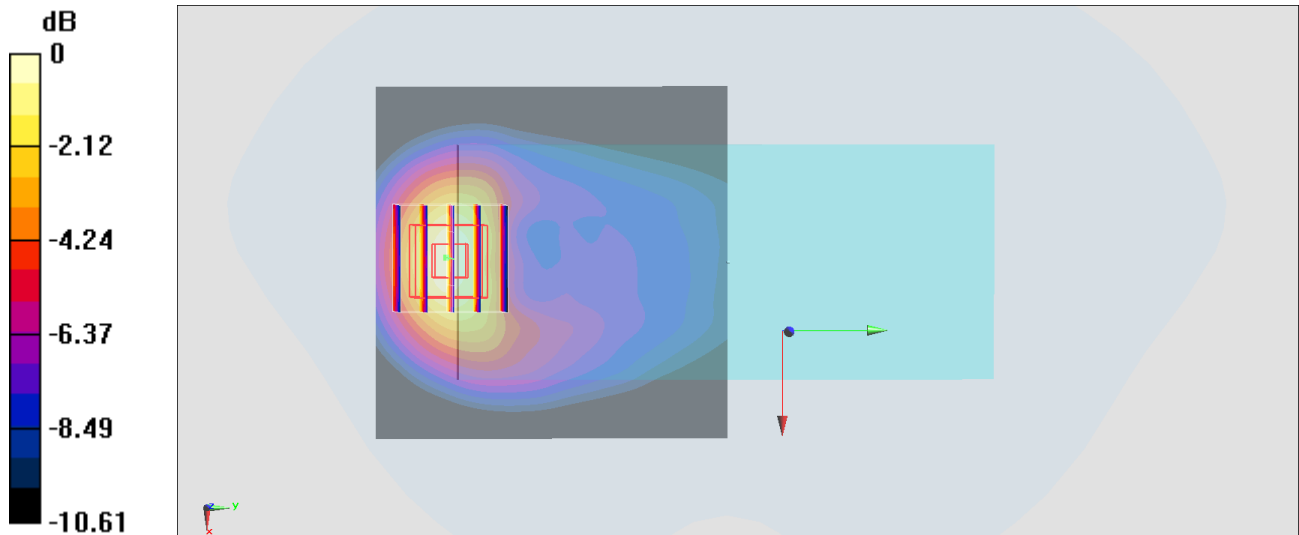
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.36 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.503 W/kg**

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



0 dB = 1.27 W/kg = 1.04 dBW/kg

**#42\_LTE Band 2\_20M\_QPSK\_1\_0\_Front\_14mm\_Ch19100**

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

Medium: HSL\_1900\_200205 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 40.944$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.35, 8.35, 8.35) @ 1900 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

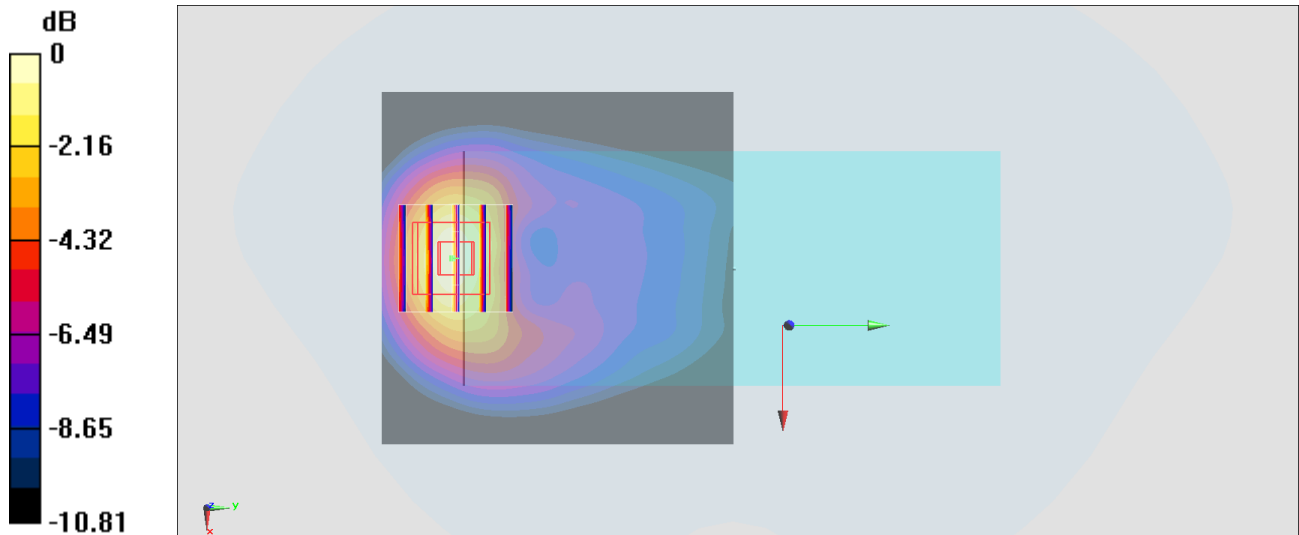
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.58 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.59 W/kg

**SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.474 W/kg**

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



**#43\_LTE Band 5\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch20525**

Communication System: LTE ; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_200107 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.887$  S/m;  $\epsilon_r = 42.117$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(6.42, 6.42, 6.42) @ 836.5 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.485 W/kg

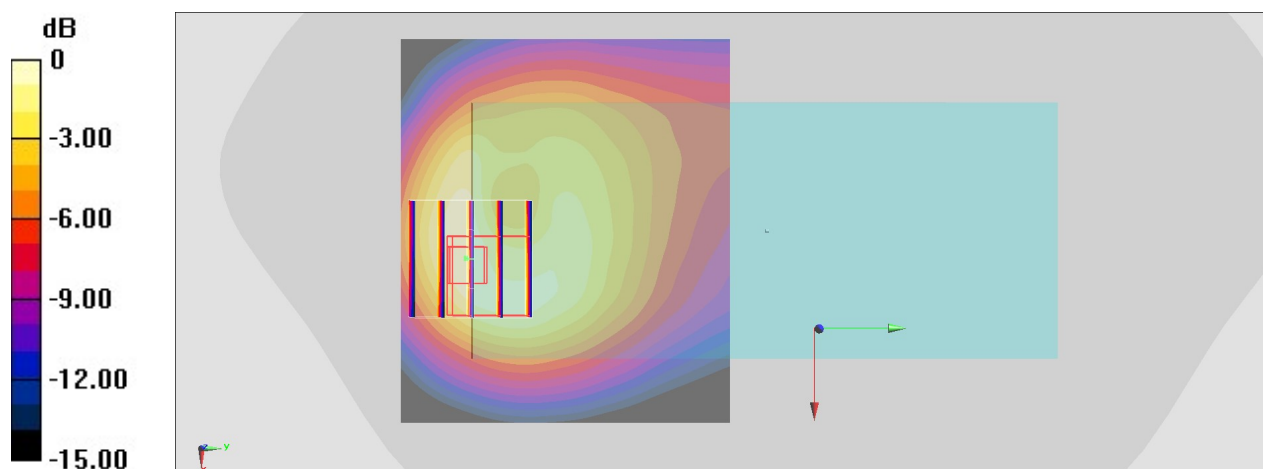
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.37 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.701 W/kg

**SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.205 W/kg**

Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.469 W/kg = -3.29 dBW/kg

**#44\_LTE Band 7\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch21350**

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL\_2600\_200205 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.899$  S/m;  $\epsilon_r = 38.596$ ;

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

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(4.38, 4.38, 4.38) @ 2560 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (91x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

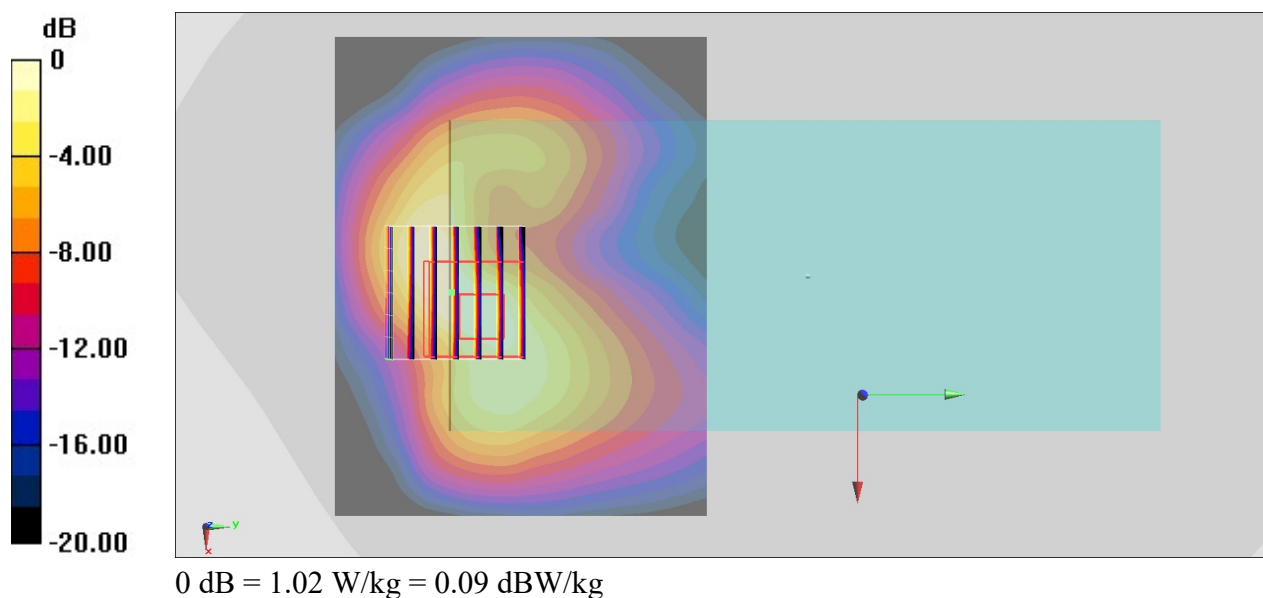
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.77 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.359 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg



**#45\_LTE Band 12\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch23095**

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

Medium: HSL\_750\_200108 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.849$  S/m;  $\epsilon_r = 43.504$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(6.68, 6.68, 6.68) @ 707.5 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.433 W/kg

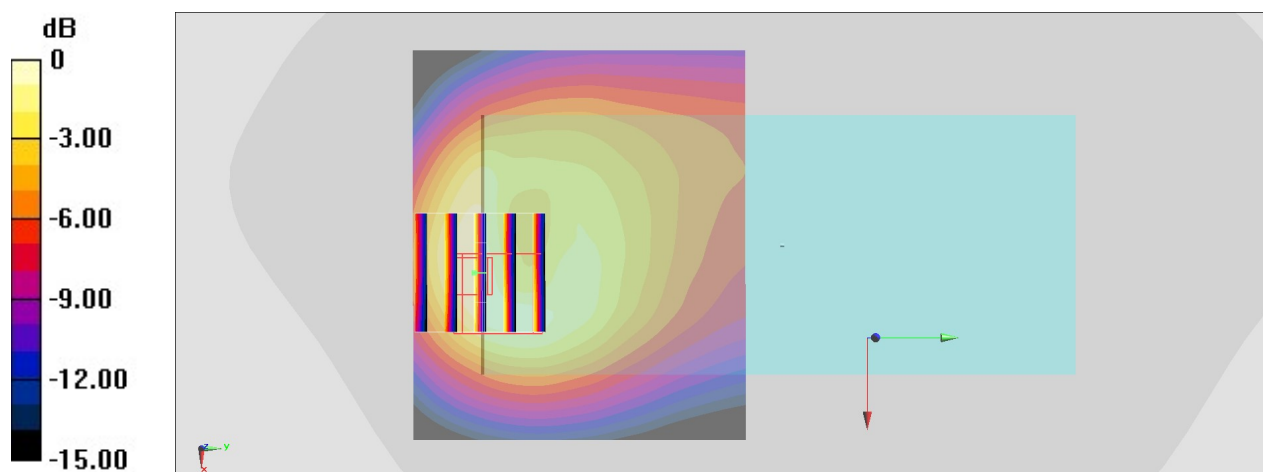
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.91 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.651 W/kg

**SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.170 W/kg**

Maximum value of SAR (measured) = 0.424 W/kg



0 dB = 0.424 W/kg = -3.73 dBW/kg

**#46\_LTE Band 13\_10M\_QPSK\_1\_0\_Back\_5mm\_Ch23230**

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

Medium: HSL\_750\_200108 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.917 \text{ S/m}$ ;  $\epsilon_r = 42.552$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.4 \text{ }^\circ\text{C}$

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(6.68, 6.68, 6.68) @ 782 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (71x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.507 \text{ W/kg}$

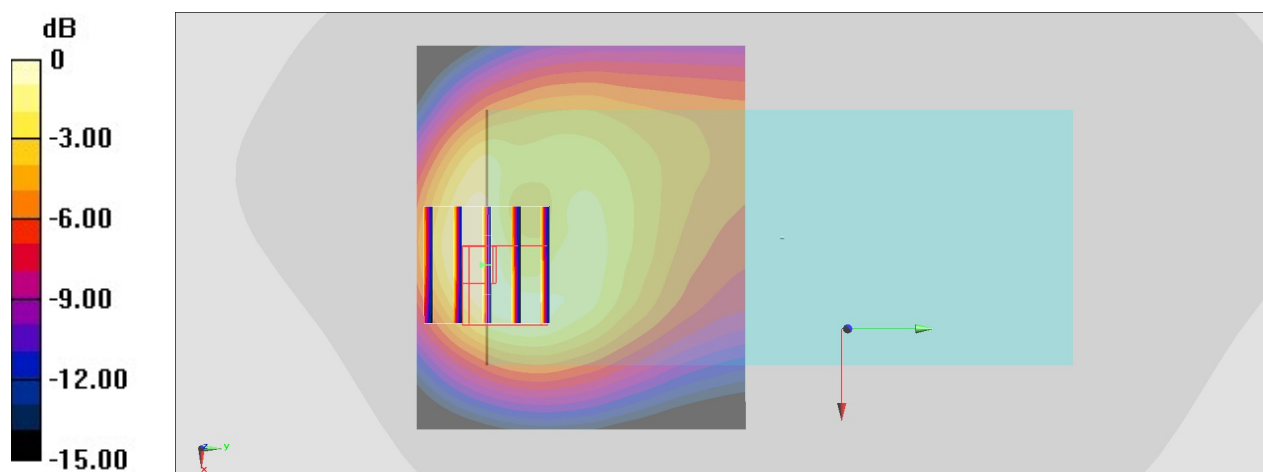
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $22.24 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $0.752 \text{ W/kg}$

**SAR(1 g) =  $0.376 \text{ W/kg}$ ; SAR(10 g) =  $0.205 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.489 \text{ W/kg}$



0 dB =  $0.489 \text{ W/kg}$  =  $-3.11 \text{ dBW/kg}$

**#47\_LTE Band 66\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch132572**

Communication System: LTE ; Frequency: 1770 MHz;Duty Cycle: 1:1

Medium: HSL\_1750\_200203 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 40.638$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(8.51, 8.51, 8.51); Calibrated: 2019/7/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

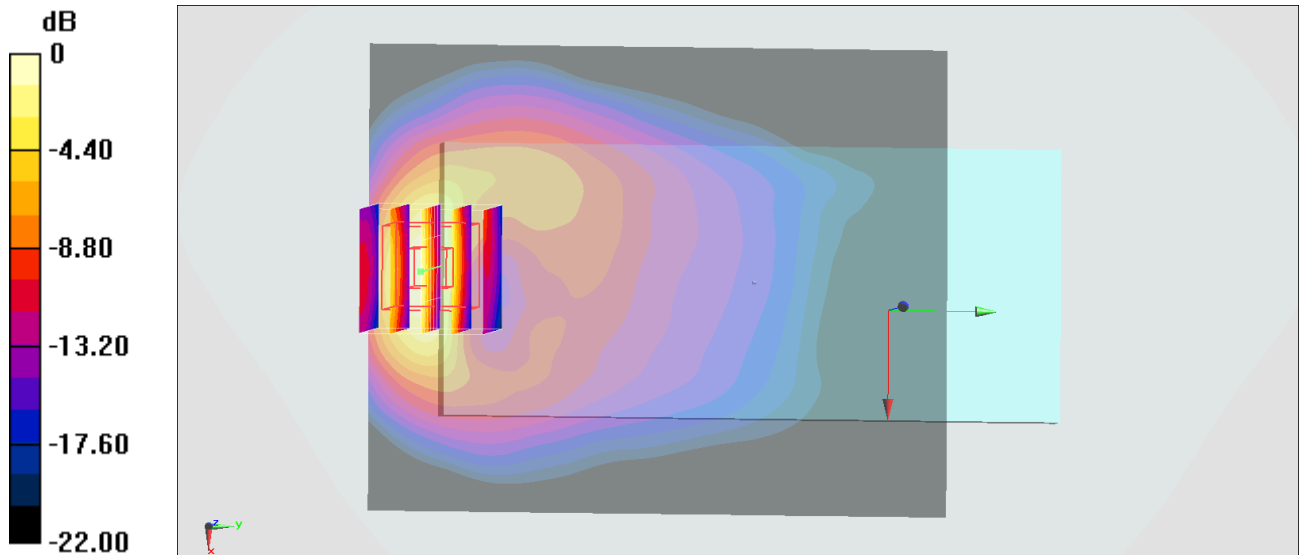
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.98 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.357 W/kg**

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



0 dB = 1.56 W/kg = 0.61 dBW/kg

**#48\_LTE Band 48\_20M\_QPSK\_1\_0\_Back\_5mm\_Ch55830**

Communication System: LTE; Frequency: 3609 MHz; Duty Cycle: 1:1.59

Medium: HSL\_3500\_200204 Medium parameters used :  $f = 3609$  MHz;  $\sigma = 3.038$  S/m;  $\epsilon_r = 38.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(6.91, 6.91, 6.91) @ 3609 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (81x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

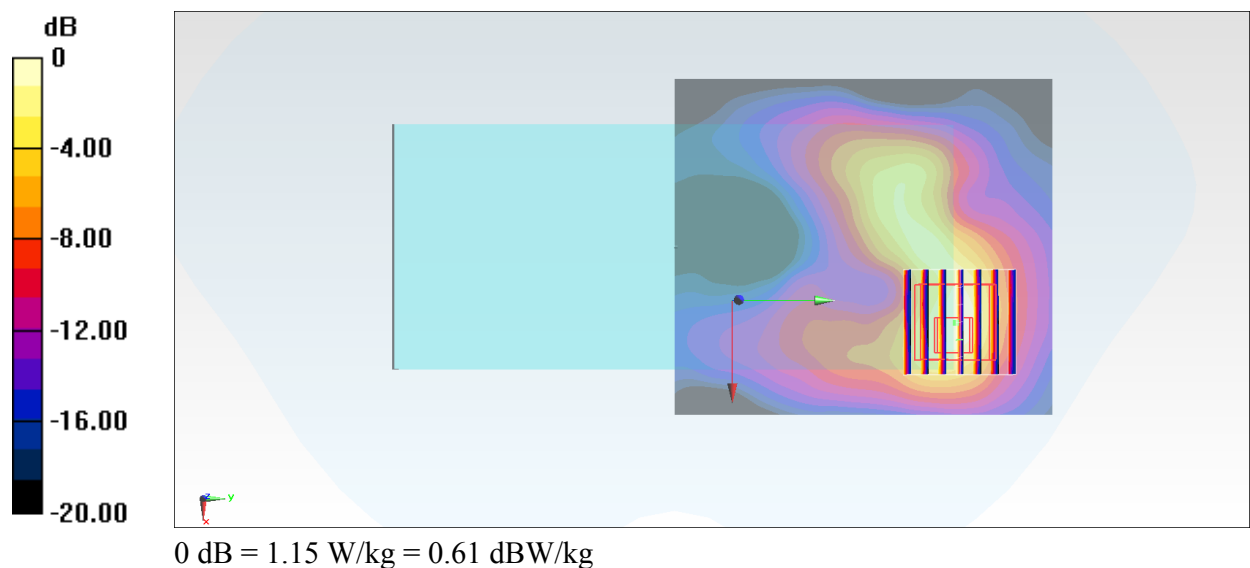
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=1.4mm

Reference Value = 17.38 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.222 W/kg**

Maximum value of SAR (measured) = 1.27 W/kg



**#49\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_5mm\_Ch1;Ant 4+6**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.015

Medium: HSL\_2450\_200204 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.786$  S/m;  $\epsilon_r = 38.929$ ;

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

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(4.54, 4.54, 4.54) @ 2412 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (91x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

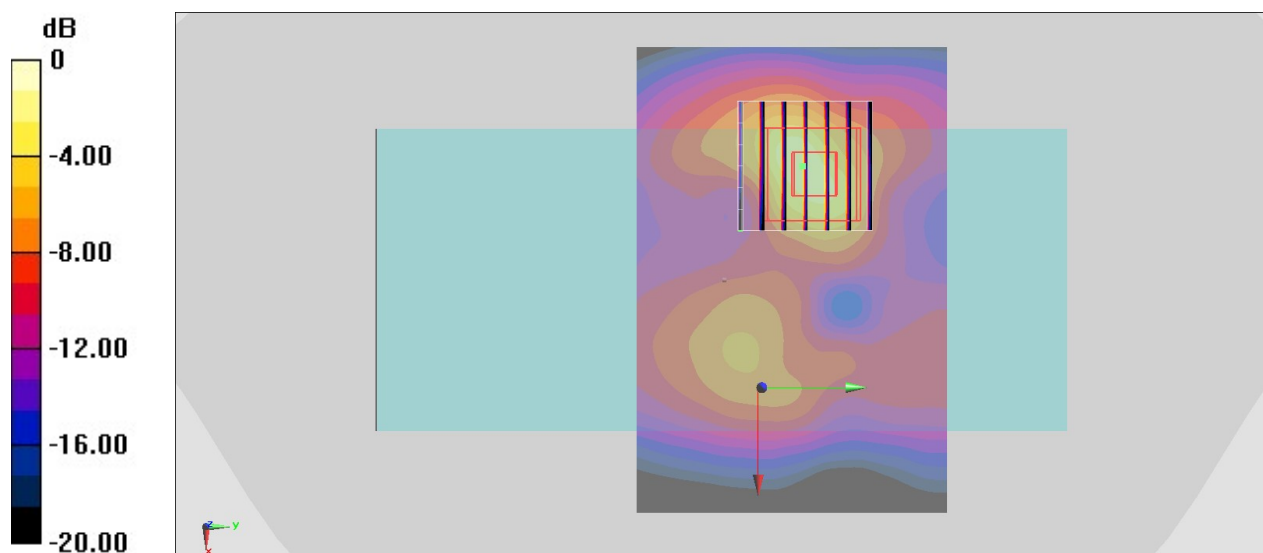
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.855 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.204 W/kg**

Maximum value of SAR (measured) = 0.775 W/kg



**#50\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_5mm\_Ch58;Ant 3+6**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: HSL\_5G\_200204 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.576$  S/m;  $\epsilon_r = 36.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(5.08, 5.08, 5.08) @ 5290 MHz; Calibrated: 2019/9/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.812 W/kg

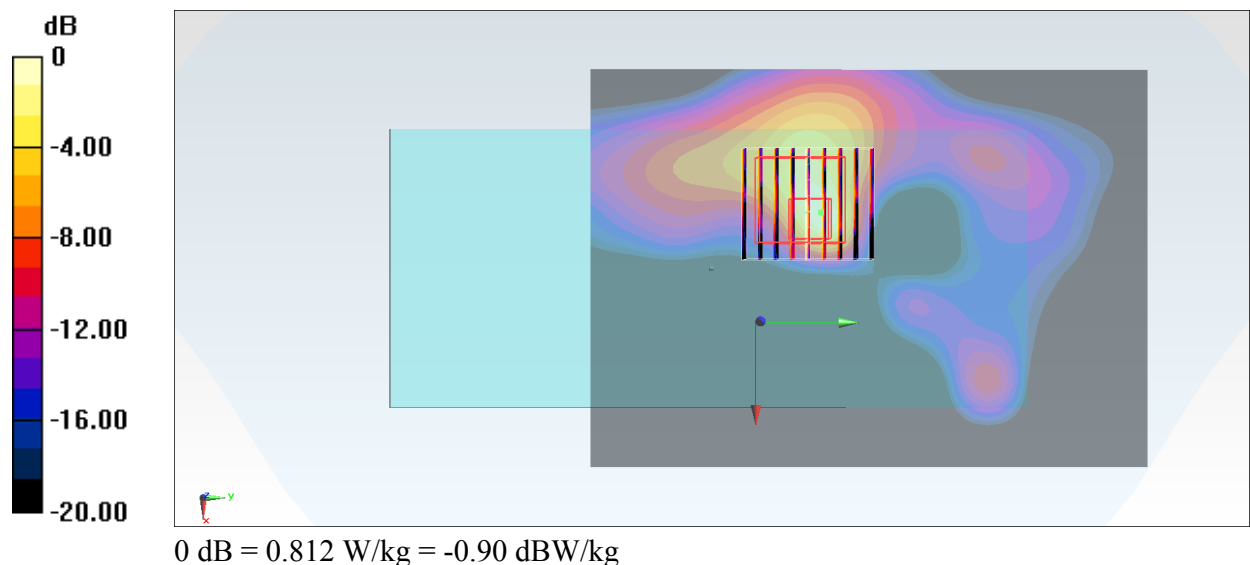
**Zoom Scan (8x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.251 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.94 W/kg

**SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.089 W/kg**

Maximum value of SAR (measured) = 1.47 W/kg



**#51\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_5mm\_Ch122;Ant 1+2**

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1

Medium: HSL\_5G\_200204 Medium parameters used:  $f = 5610$  MHz;  $\sigma = 4.89$  S/m;  $\epsilon_r = 36.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.49, 4.49, 4.49) @ 5690 MHz; Calibrated: 2019/9/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.12 W/kg

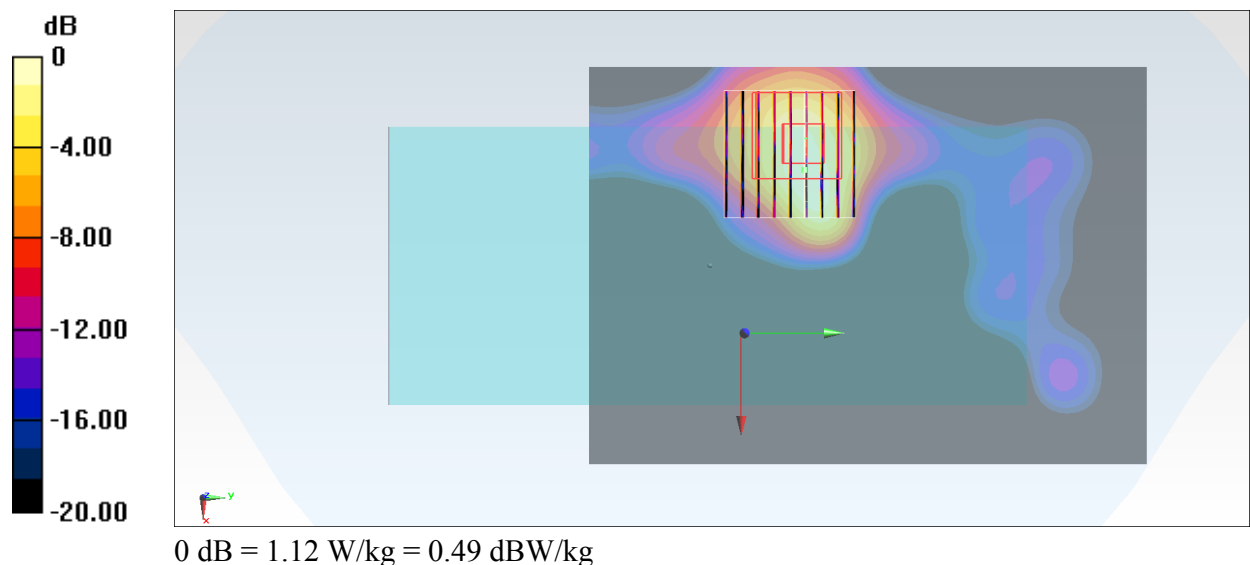
**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.882 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.89 W/kg

**SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.130 W/kg**

Maximum value of SAR (measured) = 1.47 W/kg



**#52\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_5mm\_Ch155;Ant 3+6**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL\_5G\_200204 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.077$  S/m;  $\epsilon_r = 36.26$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(4.75, 4.75, 4.75); Calibrated: 2019/9/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (101x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.572 W/kg

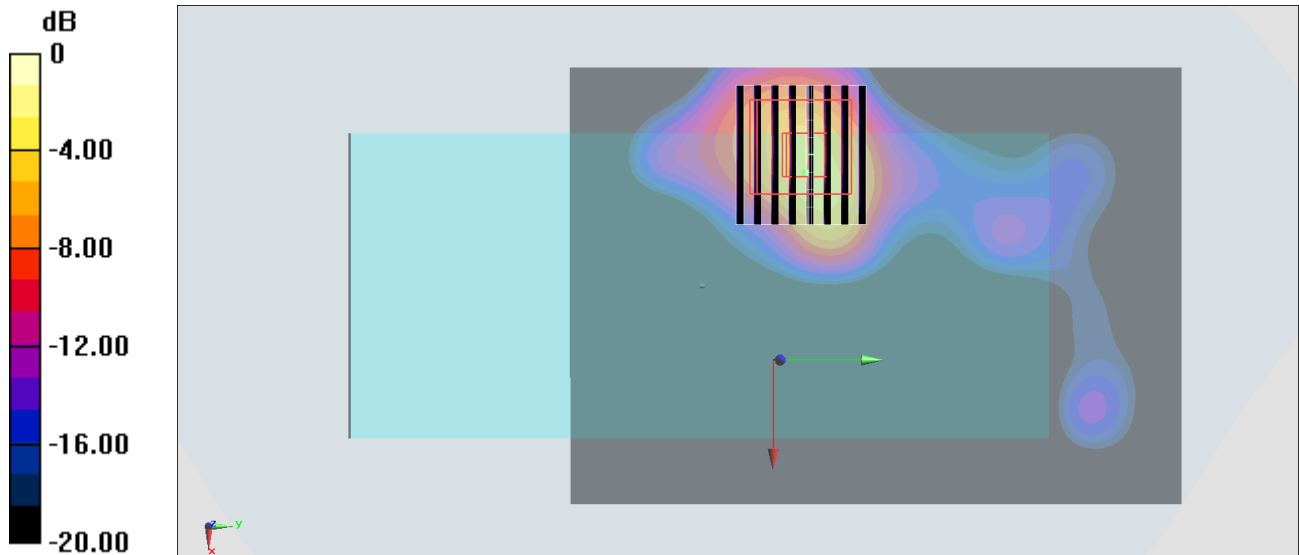
**Zoom Scan (9x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.974 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.05 W/kg

**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.085 W/kg**

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



0 dB = 1.09 W/kg = 0.37 dBW/kg

**#53\_Bluetooth\_1M\_Back\_5mm\_Ch39**

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.301

Medium: HSL\_2450\_200204 Medium parameters used :  $f = 2441$  MHz;  $\sigma = 1.817$  S/m;  $\epsilon_r = 38.812$ ;

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

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(4.54, 4.54, 4.54) @ 2441 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (91x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.181 W/kg

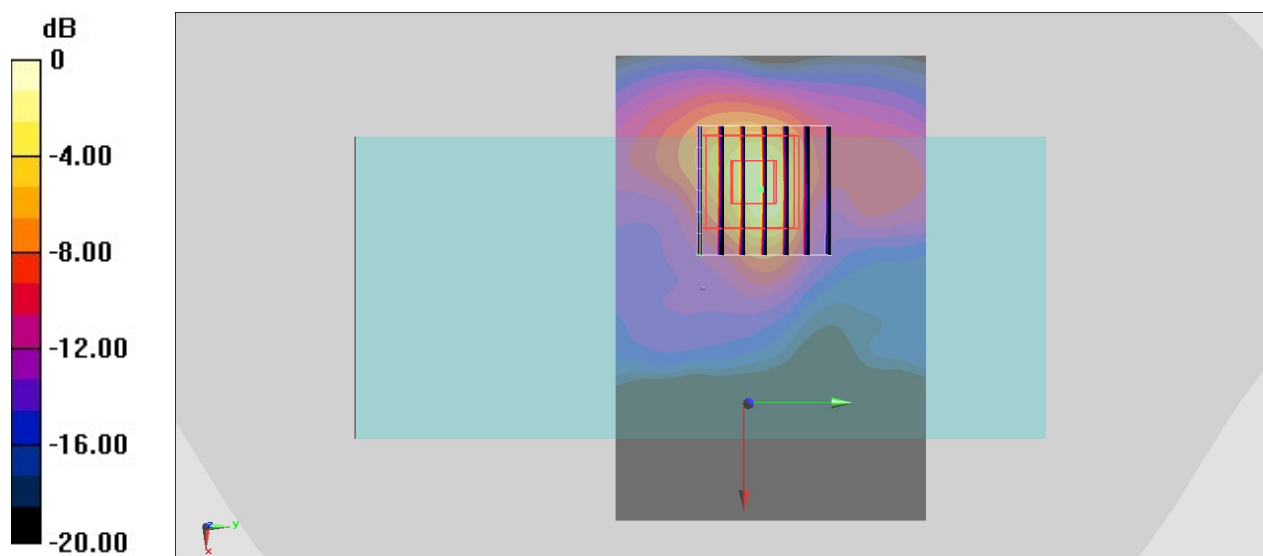
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.797 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.510 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.056 W/kg**

Maximum value of SAR (measured) = 0.242 W/kg



**#54\_GSM1900\_GPRS (2Tx slots)\_Back\_0mm\_Ch512**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: HSL\_1900\_200206 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.409$  S/m;  $\epsilon_r = 39.375$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.14, 5.14, 5.14); Calibrated: 2019/5/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.90 W/kg

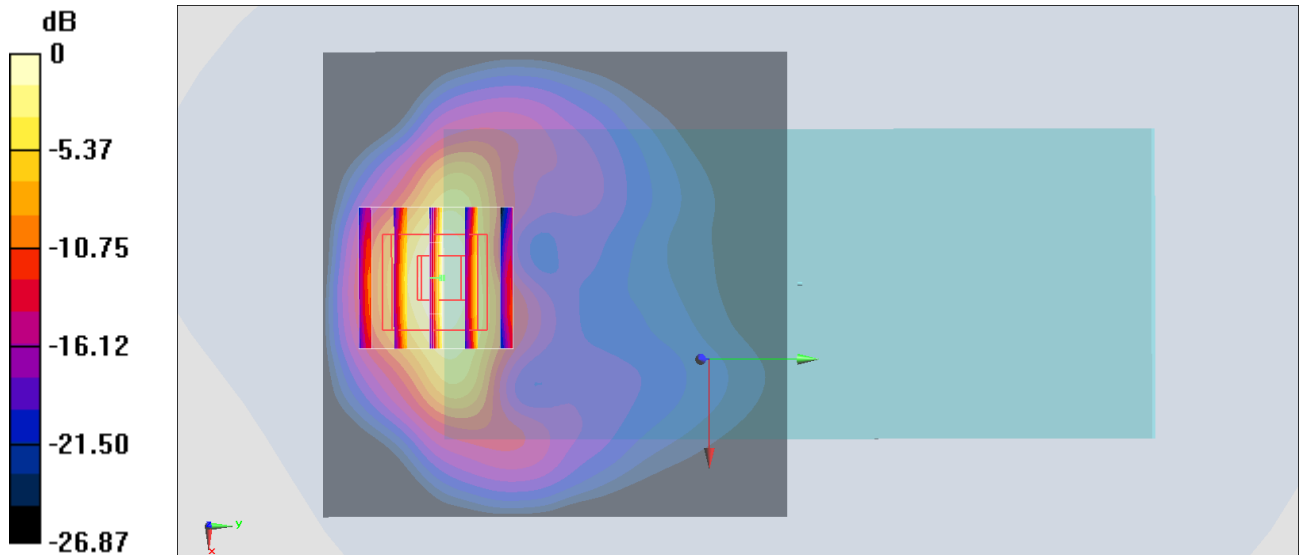
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.10 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 11.9 W/kg

**SAR(1 g) = 5.61 W/kg; SAR(10 g) = 2.4 W/kg**

Maximum value of SAR (measured) = 8.05 W/kg



0 dB = 8.05 W/kg = 9.06 dBW/kg

**#55\_WCDMA II\_RMC 12.2Kbps\_Back\_0mm\_Ch9538**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_200206 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 39.115$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.14, 5.14, 5.14); Calibrated: 2019/5/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.33 W/kg

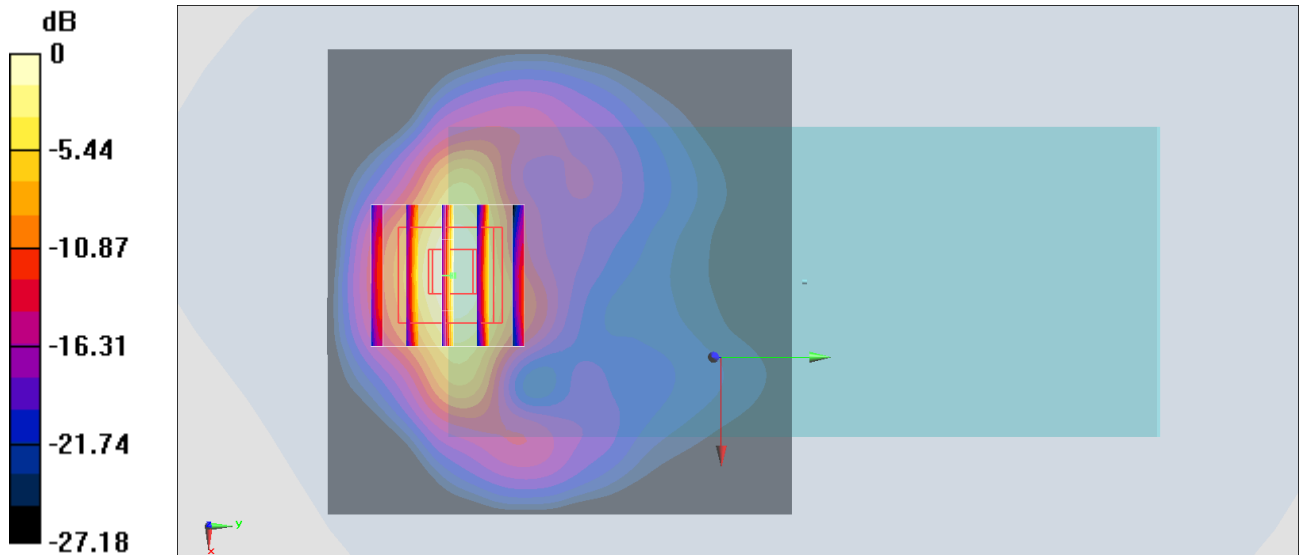
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 77.80 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 13.0 W/kg

**SAR(1 g) = 5.9 W/kg; SAR(10 g) = 2.44 W/kg**

Maximum value of SAR (measured) = 8.64 W/kg



0 dB = 8.64 W/kg = 9.37 dBW/kg

**#56\_CDMA BC1\_RTAP 153.6Kbps\_Back\_0mm\_Ch25**

Communication System: CDMA ; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_200206 Medium parameters used :  $f = 1851.25$  MHz;  $\sigma = 1.41$  S/m;  $\epsilon_r = 39.368$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.14, 5.14, 5.14); Calibrated: 2019/5/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 6.49 W/kg

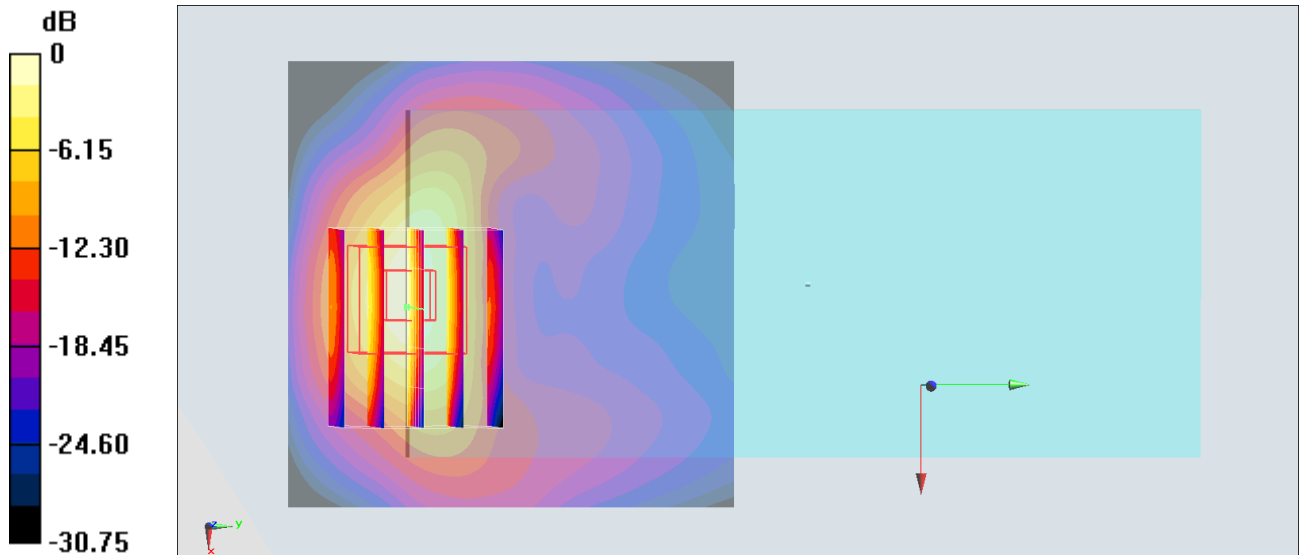
**Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.93 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 10.8 W/kg

**SAR(1 g) = 4.97 W/kg; SAR(10 g) = 2.32 W/kg**

Maximum value of SAR (measured) = 7.08 W/kg



0 dB = 7.08 W/kg = 8.50 dBW/kg

**#57\_LTE Band 2\_20M\_QPSK\_1\_0\_Back\_0mm\_Ch18700**

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

Medium: HSL\_1900\_200206 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.418$  S/m;  $\epsilon_r = 39.319$ ;

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

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169;ConvF(5.14, 5.14, 5.14) @ 1860 MHz;Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 9.38 W/kg

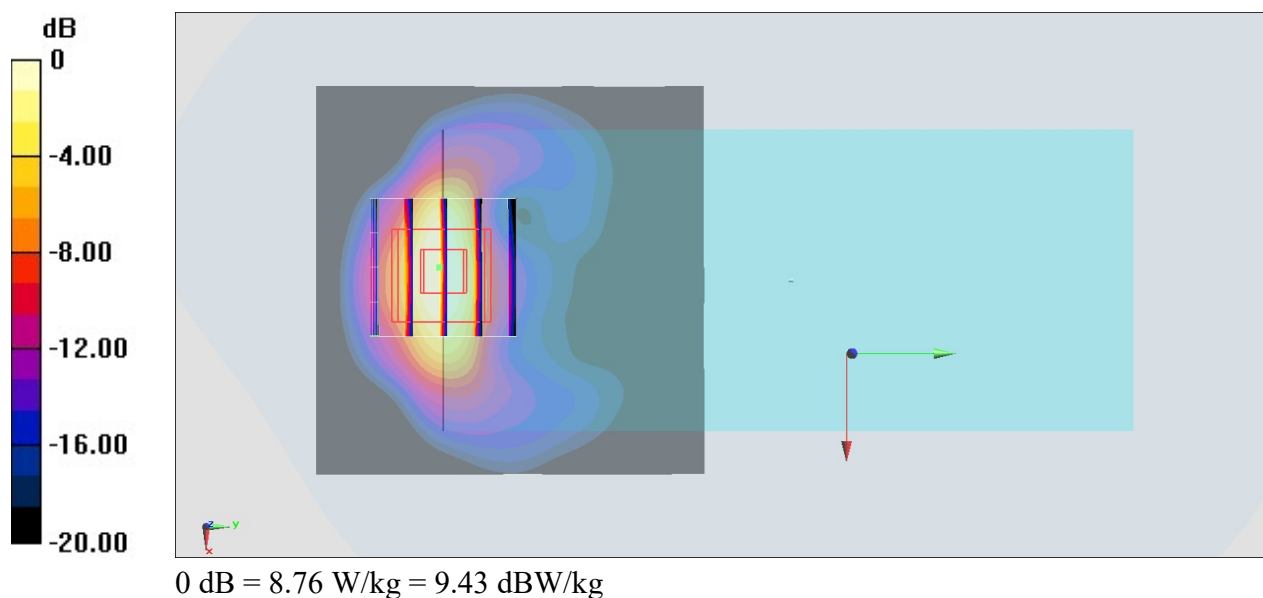
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.29 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 13.8 W/kg

**SAR(1 g) = 6.43 W/kg; SAR(10 g) = 2.75 W/kg**

Maximum value of SAR (measured) = 8.76 W/kg



**#58\_LTE Band 7\_20M\_QPSK\_1\_0\_Bottom Side\_0mm\_Ch21100**

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

Medium: HSL\_2600\_200205 Medium parameters used :  $f = 2535$  MHz;  $\sigma = 1.883$  S/m;  $\epsilon_r = 38.847$ ;

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

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(4.38, 4.38, 4.38) @ 2535 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 11.9 W/kg

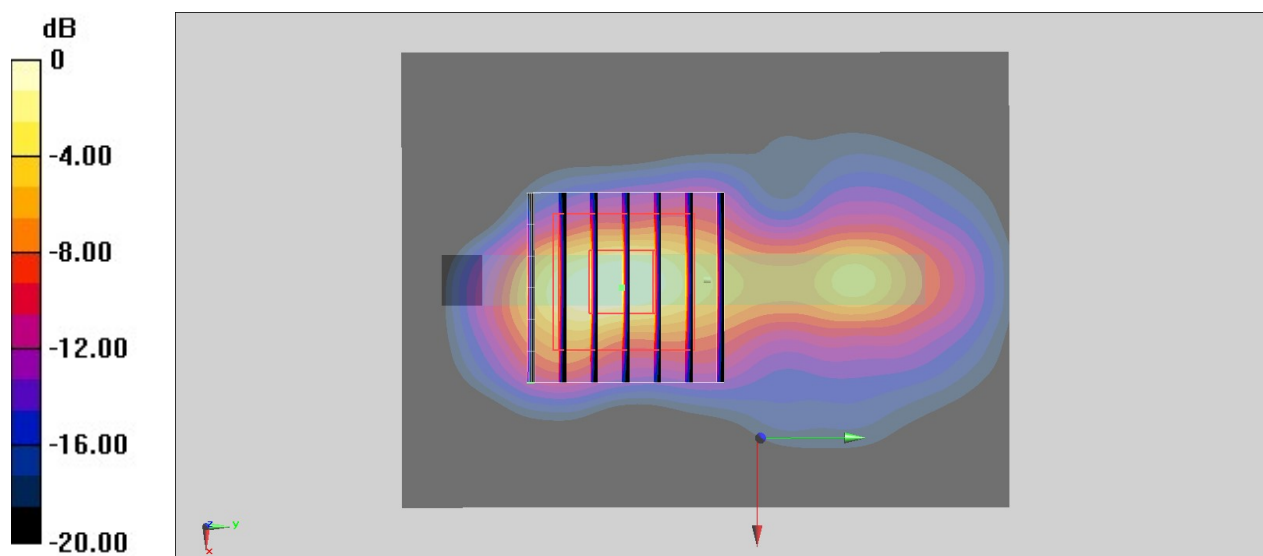
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 82.66 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 21.6 W/kg

**SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.69 W/kg**

Maximum value of SAR (measured) = 11.3 W/kg



**#59\_LTE Band 66\_20M\_QPSK\_1\_0\_Bottom Side\_7mm\_Ch132572**

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_200205 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.403$  S/m;  $\epsilon_r = 40.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(8.7, 8.7, 8.7) @ 1770 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.77 W/kg

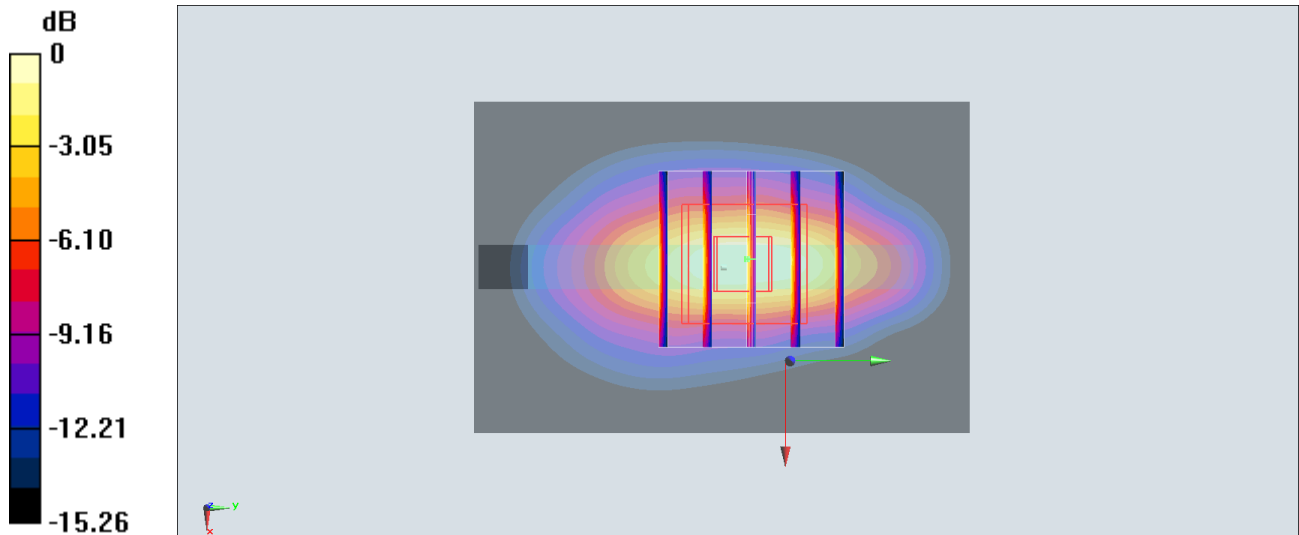
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.67 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 10.2 W/kg

**SAR(1 g) = 4.54 W/kg; SAR(10 g) = 2.07 W/kg**

Maximum value of SAR (measured) = 7.48 W/kg



0 dB = 7.77 W/kg = 8.90 dBW/kg

**#60\_LTE Band 48\_20M\_QPSK\_1\_0\_Back\_0mm\_Ch56640**

Communication System: LTE; Frequency: 3690 MHz; Duty Cycle: 1:1.59

Medium: HSL\_3500\_200204 Medium parameters used:  $f = 3690$  MHz;  $\sigma = 3.103$  S/m;  $\epsilon_r = 38.878$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(6.91, 6.91, 6.91) @ 3690 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 16.5 W/kg

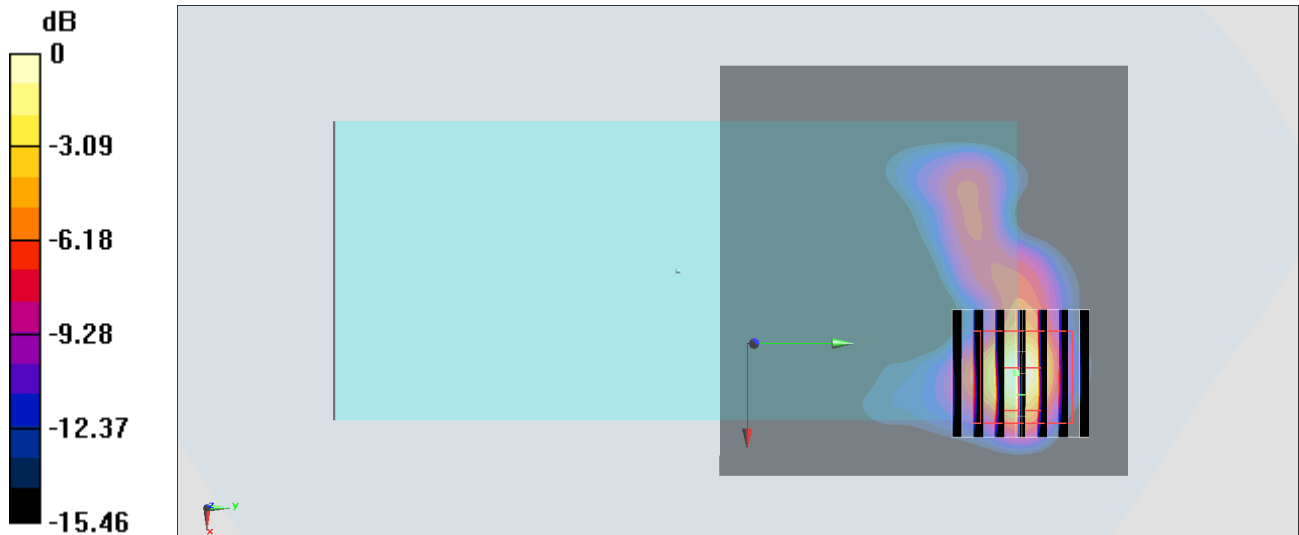
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=1.4mm

Reference Value = 42.82 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 27.1 W/kg

**SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.2 W/kg**

Maximum value of SAR (measured) = 16.6 W/kg



0 dB = 16.5 W/kg = 12.17 dBW/kg

**#61\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_0mm\_Ch6;Ant 3+6**

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1.015

Medium: HSL\_2450\_200204 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.813$  S/m;  $\epsilon_r = 38.826$ ;

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

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(4.54, 4.54, 4.54) @ 2437 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (91x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 7.68 W/kg

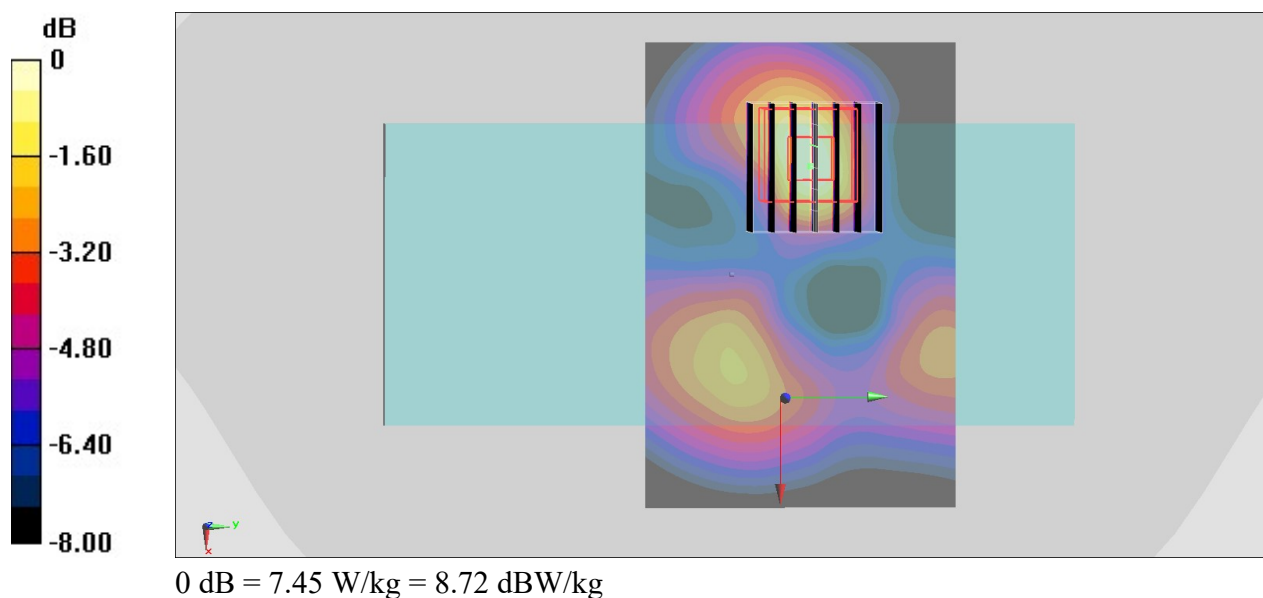
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.351 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 10.975 W/kg

**SAR(1 g) = 5.82 W/kg; SAR(10 g) = 1.86 W/kg**

Maximum value of SAR (measured) = 7.45 W/kg



**#62\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_0mm\_Ch54;Ant 3+6**

Communication System: 802.11n; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: HSL\_5G\_200206 Medium parameters used:  $f = 5270$  MHz;  $\sigma = 4.535$  S/m;  $\epsilon_r = 36.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3925; ConvF(5.49, 5.49, 5.49); Calibrated: 2019/9/20;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (101x141x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 3.26 W/kg

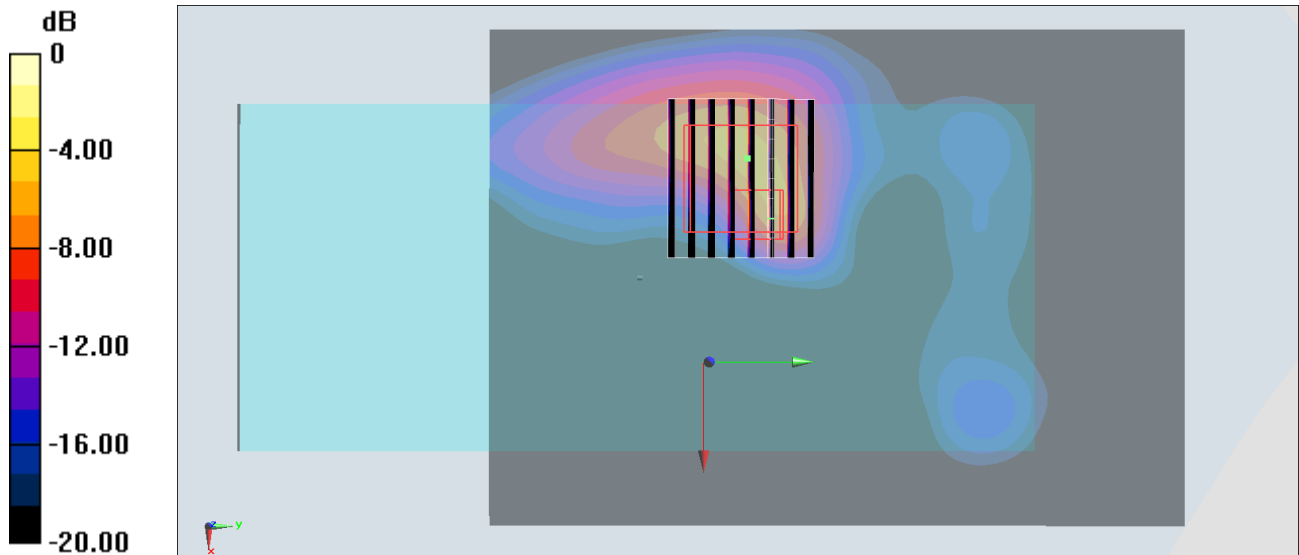
**Zoom Scan (9x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 23.41 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 33.5 W/kg

**SAR(1 g) = 4.00 W/kg; SAR(10 g) = 0.874 W/kg**

Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

**#63\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch106**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium: HSL\_5G\_200206 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 4.795$  S/m;  $\epsilon_r = 36.42$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(4.89, 4.89, 4.89) @ 5530 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.92 W/kg

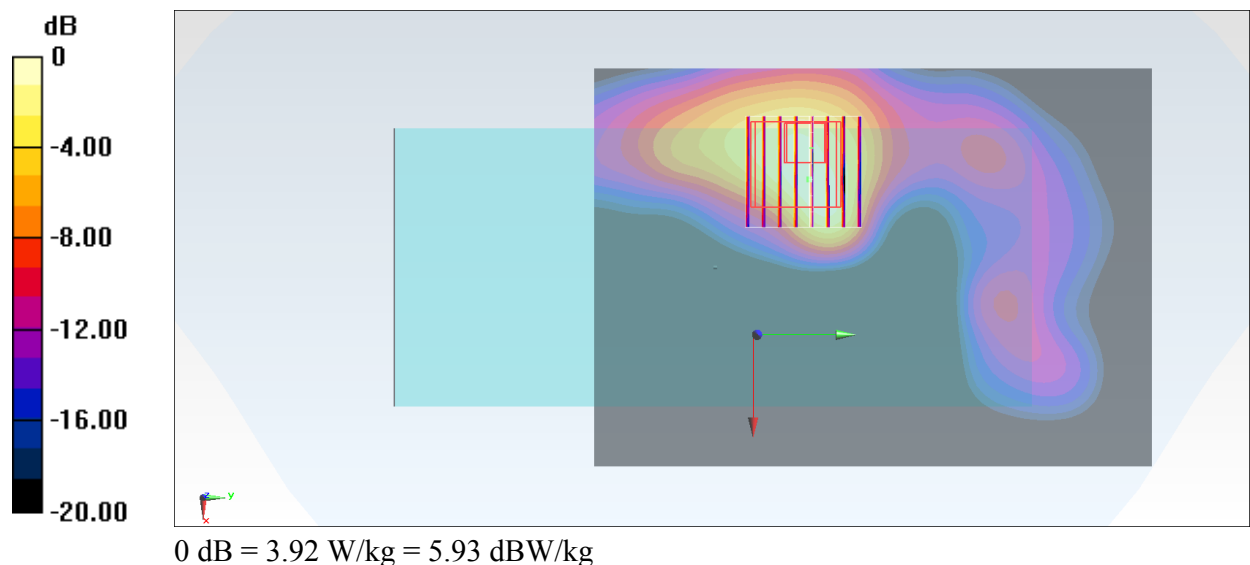
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 28.54 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 32.8 W/kg

**SAR(1 g) = 4.19 W/kg; SAR(10 g) = 0.966 W/kg**

Maximum value of SAR (measured) = 15.0 W/kg



**#64\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch155;Ant 3+6**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL\_5G\_200206 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.06$  S/m;  $\epsilon_r = 36.13$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(5.22, 5.22, 5.22) @ 5775 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 12.8 W/kg

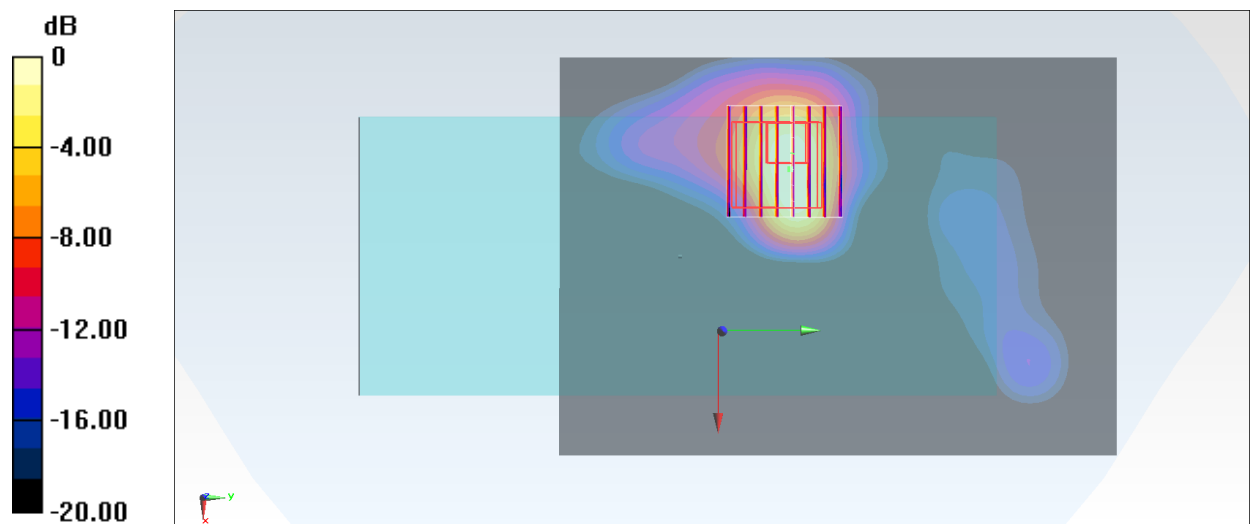
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.51 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 31.6 W/kg

**SAR(1 g) = 4.02 W/kg; SAR(10 g) = 0.848 W/kg**

Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 12.8 W/kg = 11.07 dBW/kg