

**#01\_GSM850\_GPRS (4 Tx slots)\_Left Cheek\_Ch128**

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_190706 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 43.153$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 824.2 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.243 W/kg

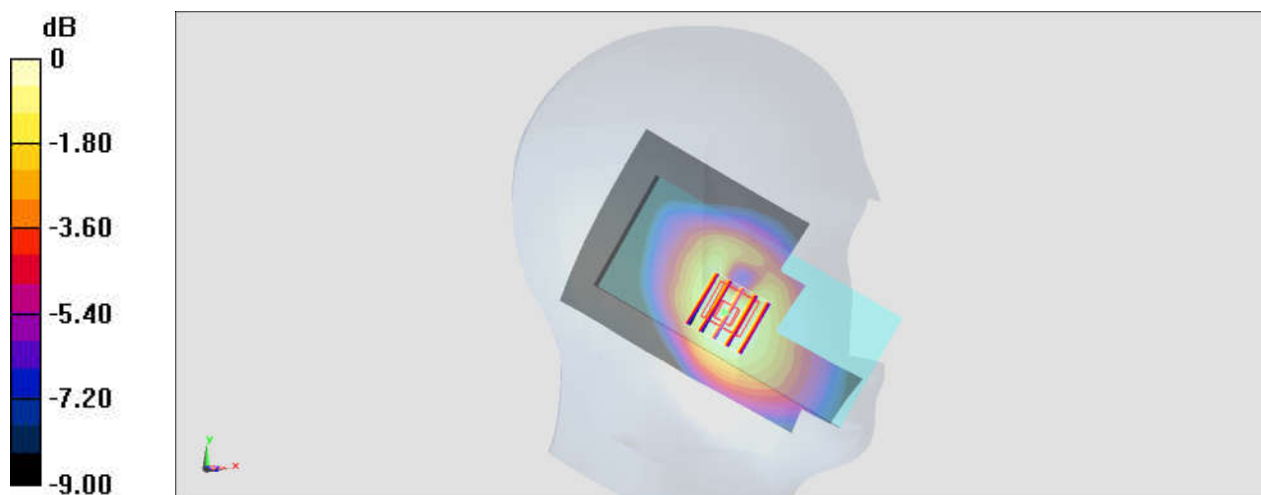
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.76 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.271 W/kg

**SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.157 W/kg**

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

**#02\_GSM1900\_EDGE (4 Tx slots)\_Right Cheek\_Ch810**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium: HSL\_1900\_190706 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.465$  S/m;  $\epsilon_r = 39.761$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1909.8 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0231 W/kg

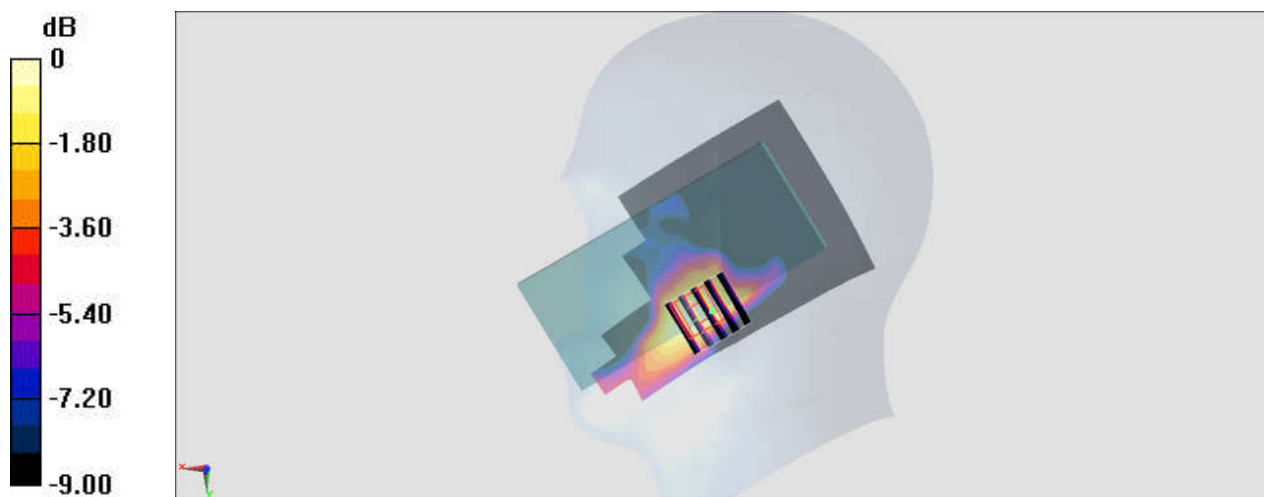
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.876 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0270 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00974 W/kg**

Maximum value of SAR (measured) = 0.0197 W/kg



0 dB = 0.0197 W/kg = -17.06 dBW/kg

**#03\_WCDMA II\_RMC 12.2Kbps\_Right Cheek\_Ch9400**

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

Medium: HSL\_1900\_190705 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 39.075$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1880 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.0339 W/kg

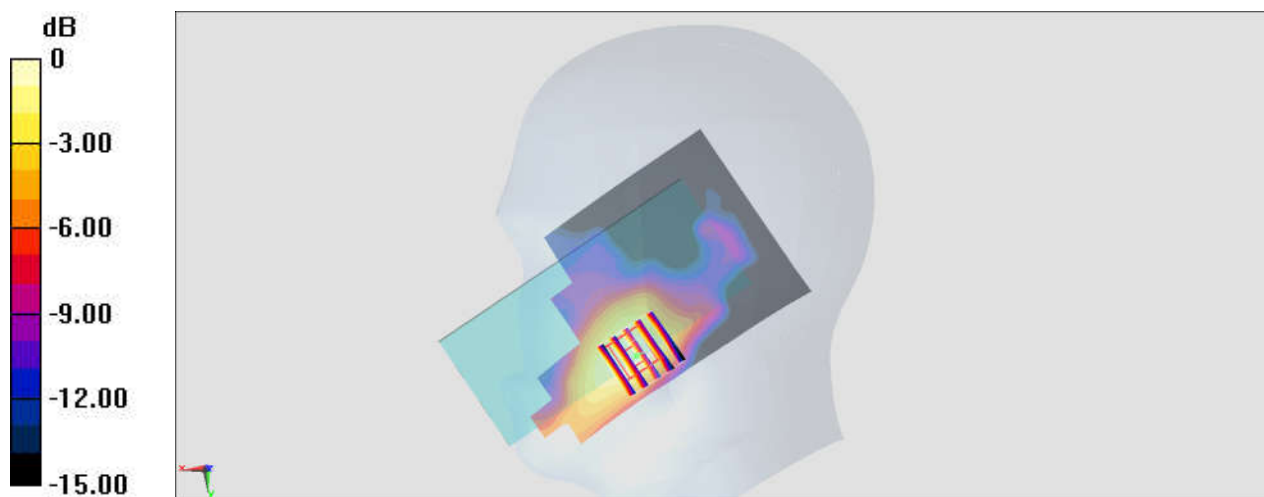
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.757 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0480 W/kg

**SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.017 W/kg**

Maximum value of SAR (measured) = 0.0343 W/kg



0 dB = 0.0343 W/kg = -14.65 dBW/kg

**#04\_WCDMA IV\_RMC 12.2Kbps\_Right Cheek\_Ch1312**

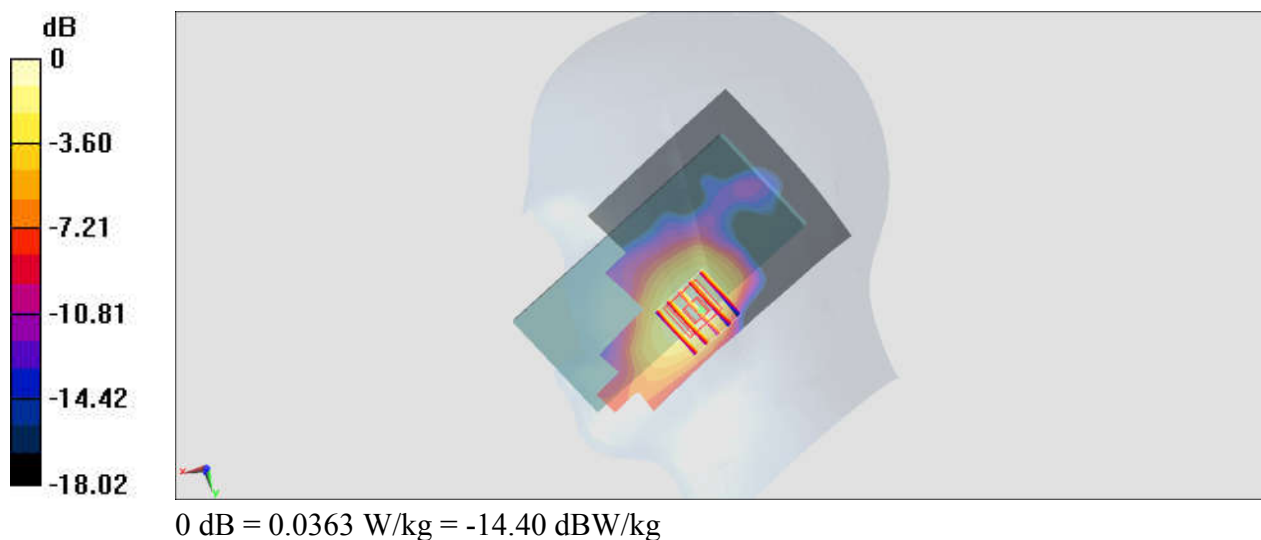
Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750\_190705 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.355$  S/m;  $\epsilon_r = 40.889$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1712.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 0.0364 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 3.950 V/m; Power Drift = 0.16 dB  
Peak SAR (extrapolated) = 0.0460 W/kg  
**SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.019 W/kg**  
Maximum value of SAR (measured) = 0.0363 W/kg



**#05\_WCDMA V\_RMC 12.2Kbps\_Left Cheek\_Ch4182**

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

Medium: HSL\_850\_190706 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 43.011$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.322 W/kg

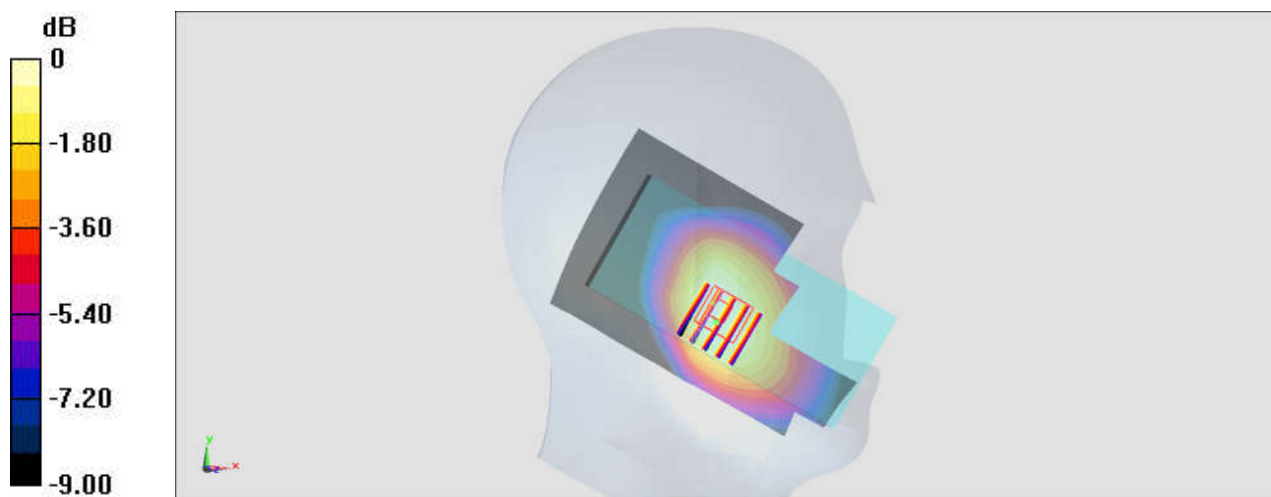
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.75 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.368 W/kg

**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.218 W/kg**

Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.312 W/kg = -5.06 dBW/kg

**#06\_LTE Band 4\_20M\_QPSK\_50\_0\_Right Cheek\_Ch20175**

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

Medium: HSL\_1750\_190705 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.376$  S/m;  $\epsilon_r = 40.795$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1732.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0448 W/kg

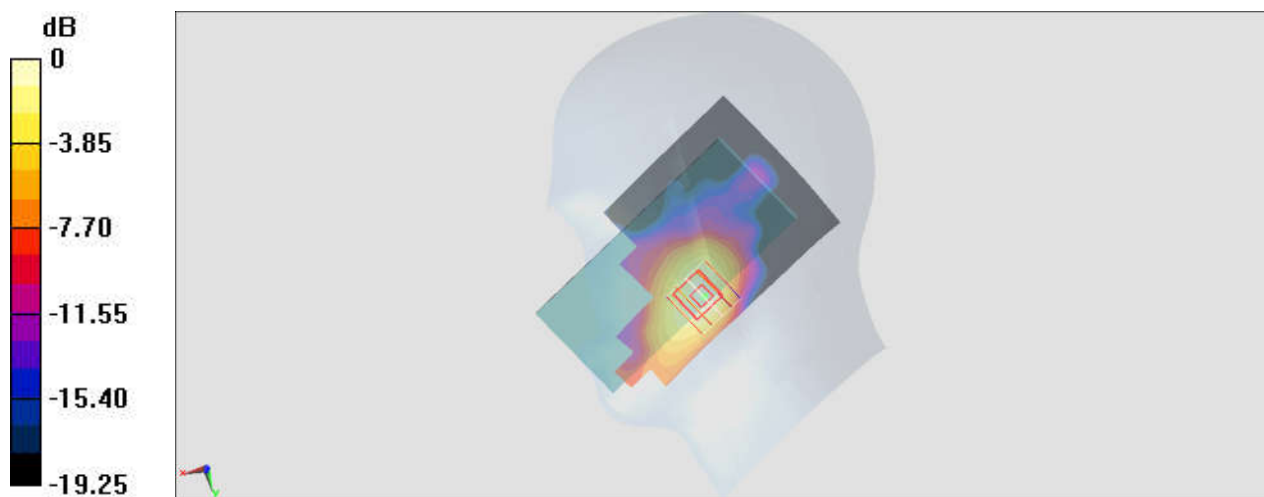
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.274 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0610 W/kg

**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0477 W/kg



0 dB = 0.0477 W/kg = -13.21 dBW/kg

**#07\_LTE Band 5\_10M\_QPSK\_1\_25\_Left Cheek\_Ch20525**

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

Medium: HSL\_850\_190706 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 43.01$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.280 W/kg

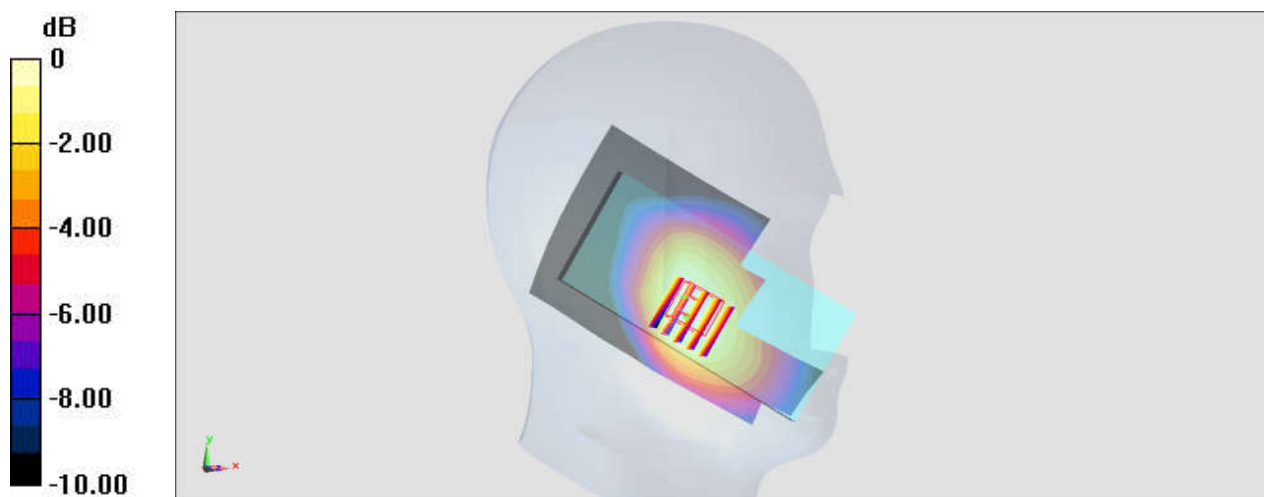
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.67 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.317 W/kg

**SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.187 W/kg**

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg = -5.69 dBW/kg

**#08\_LTE Band 7\_20M\_QPSK\_50\_0\_Right Cheek\_Ch21350**

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

Medium: HSL\_2600\_190706 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.902$  S/m;  $\epsilon_r = 38.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.37, 4.37, 4.37) @ 2560 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (81x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0468 W/kg

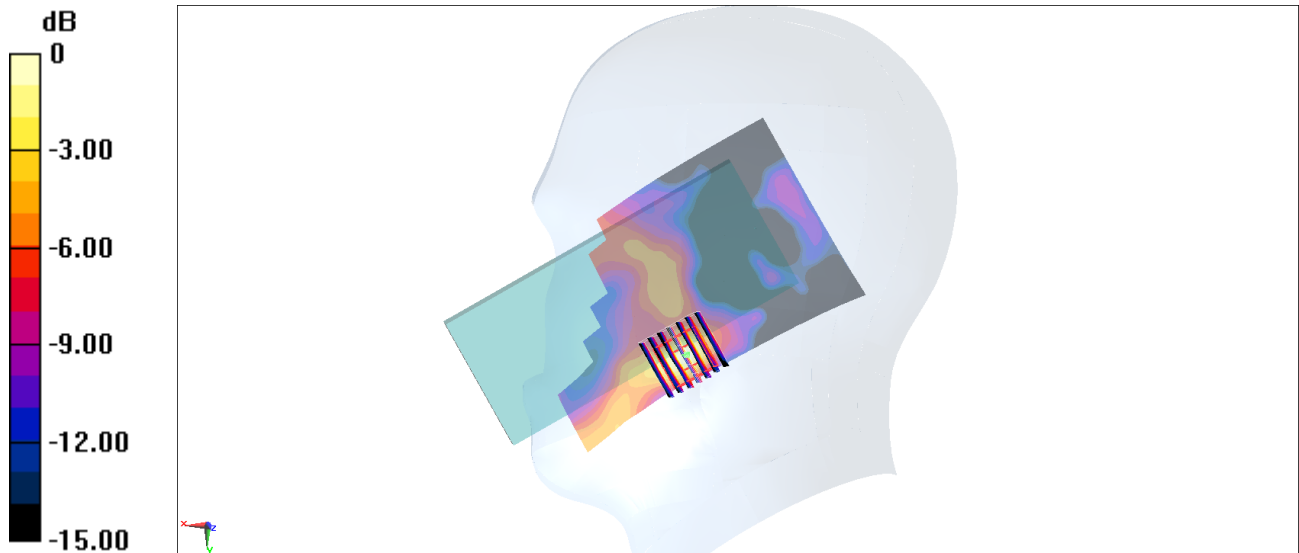
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.392 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0860 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.016 W/kg**

Maximum value of SAR (measured) = 0.0512 W/kg



0 dB = 0.0512 W/kg = -12.91 dBW/kg

**#09\_LTE Band 13\_10M\_QPSK\_1\_25\_Left Cheek\_Ch23230**

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

Medium: HSL\_750\_190707 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.932 \text{ S/m}$ ;  $\epsilon_r = 42.568$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 782 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.267 \text{ W/kg}$

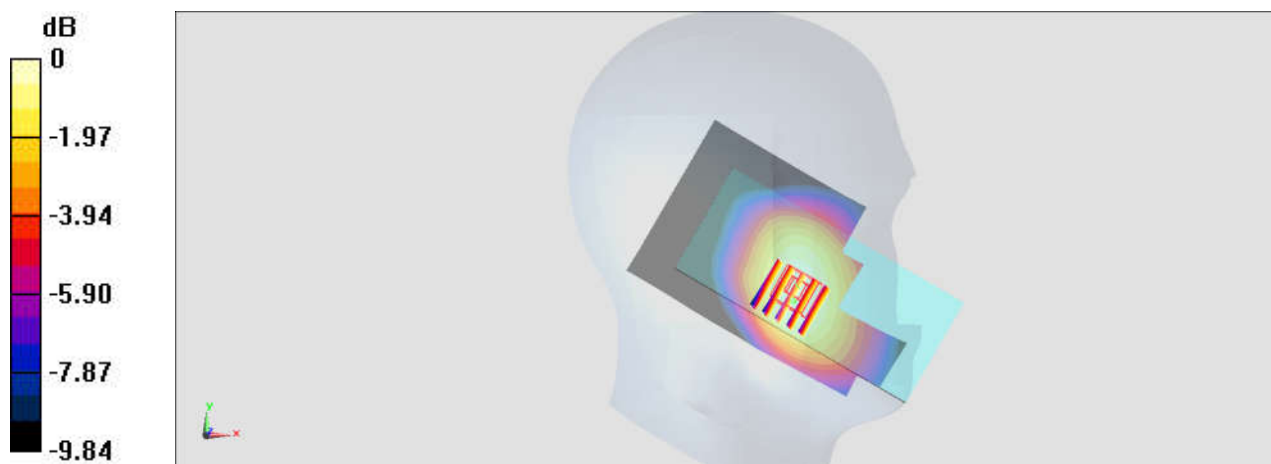
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $16.13 \text{ V/m}$ ; Power Drift =  $-0.09 \text{ dB}$

Peak SAR (extrapolated) =  $0.297 \text{ W/kg}$

**SAR(1 g) =  $0.243 \text{ W/kg}$ ; SAR(10 g) =  $0.188 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.262 \text{ W/kg}$



0 dB =  $0.262 \text{ W/kg}$  =  $-5.82 \text{ dBW/kg}$

**#10\_LTE Band 17\_10M\_QPSK\_1\_0\_Left Cheek\_Ch23790**

Communication System: LTE ; Frequency: 710 MHz;Duty Cycle: 1:1

Medium: HSL\_750\_190707 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.865$  S/m;  $\epsilon_r = 43.563$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 710 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.203 W/kg

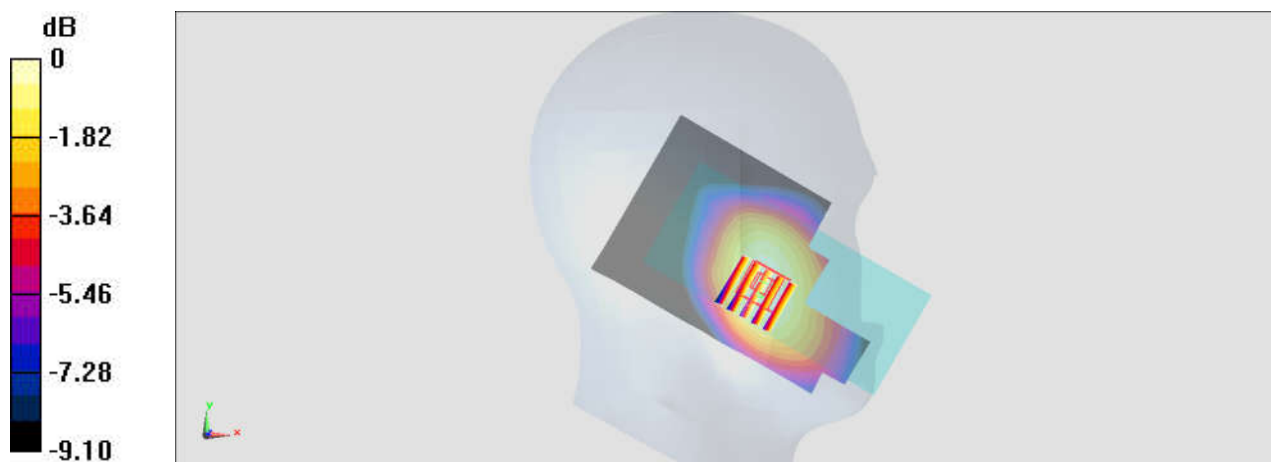
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.62 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.226 W/kg

**SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.149 W/kg**

Maximum value of SAR (measured) = 0.203 W/kg



0 dB = 0.203 W/kg = -6.93 dBW/kg

**#11\_LTE Band 41\_20M\_QPSK\_50\_50\_Left Cheek\_Ch41490**

Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_190706 Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.033$  S/m;  $\epsilon_r = 37.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.37, 4.37, 4.37) @ 2680 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (81x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0539 W/kg

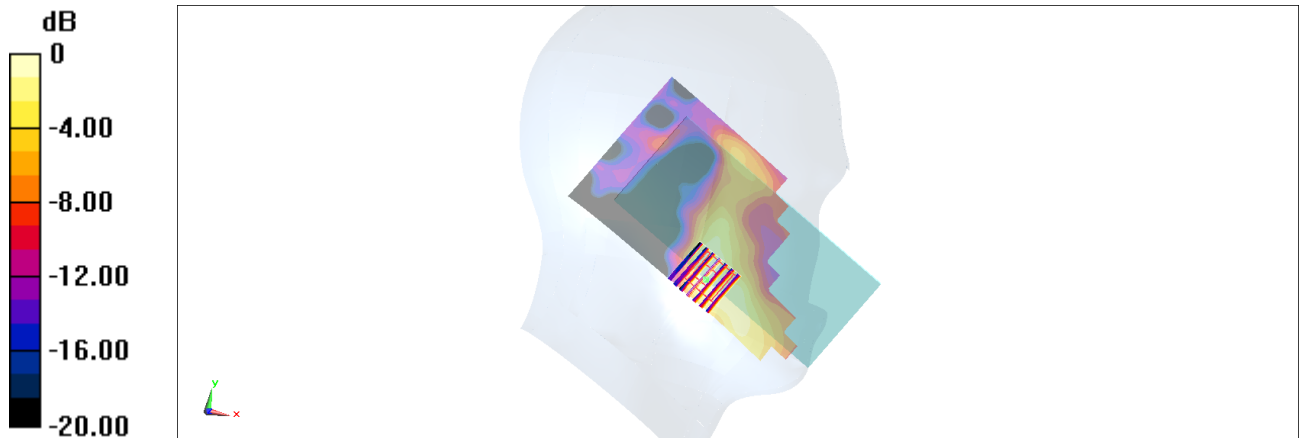
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.699 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0770 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.017 W/kg**

Maximum value of SAR (measured) = 0.0478 W/kg



0 dB = 0.0478 W/kg = -13.21 dBW/kg

**#12\_WLAN2.4GHz\_802.11b 1Mbps\_Right Cheek\_Ch1;Chain 0**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.006

Medium: HSL\_2450\_190708 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.744$  S/m;  $\epsilon_r = 39.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2412 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.402 W/kg

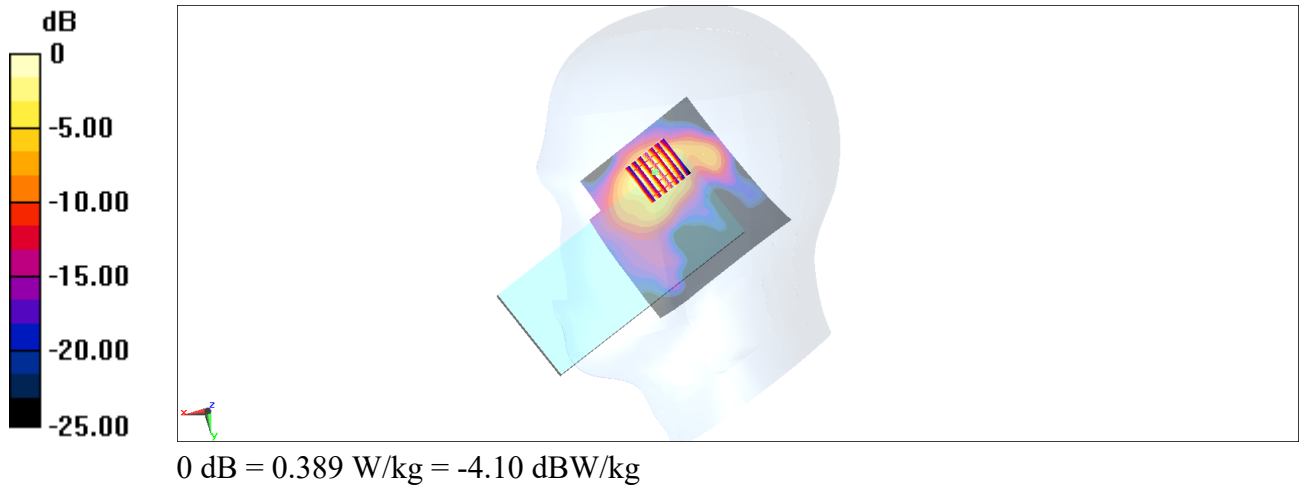
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.088 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.602 W/kg

**SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.131 W/kg**

Maximum value of SAR (measured) = 0.389 W/kg



**#13\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch58;Chain 1**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.031

Medium: HSL\_5G\_190709 Medium parameters used :  $f = 5290$  MHz;  $\sigma = 4.656$  S/m;  $\epsilon_r = 35.121$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.77, 4.77, 4.77) @ 5290 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.412 W/kg

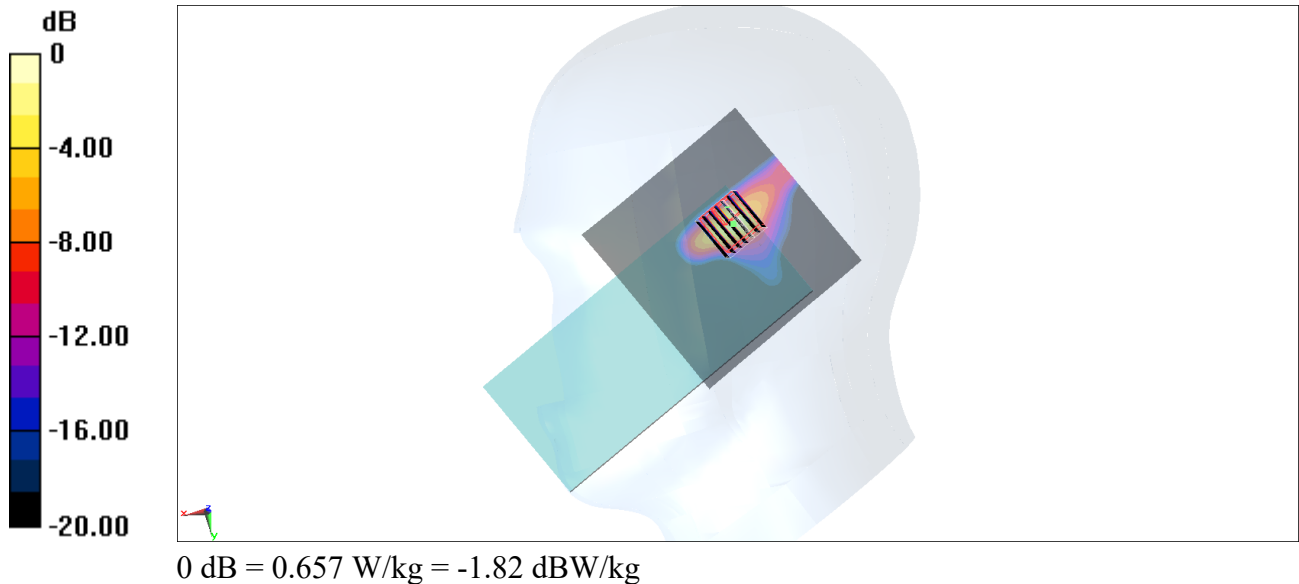
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 7.670 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.052 W/kg**

Maximum value of SAR (measured) = 0.657 W/kg



**#14\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch106;Chain 1**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.031

Medium: HSL\_5G\_190709 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 4.851$  S/m;  $\epsilon_r = 34.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.2, 4.2, 4.2) @ 5530 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x81x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

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

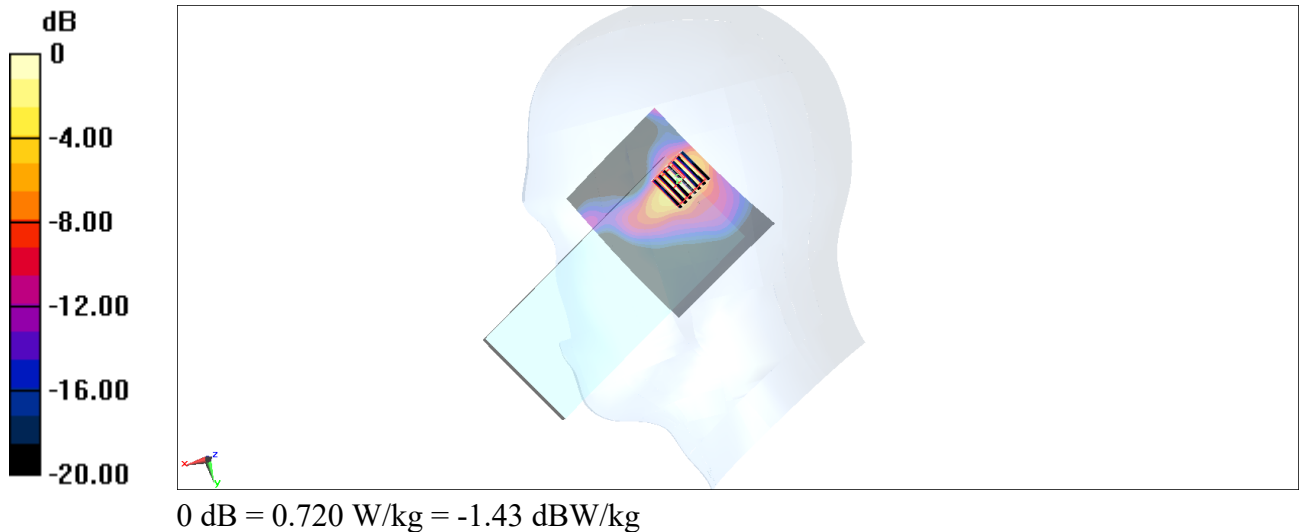
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 8.318 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.720 W/kg



**#15\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch155;Chain 1**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.031

Medium: HSL\_5G\_190710 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.006$  S/m;  $\epsilon_r = 34.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.26, 4.26, 4.26) @ 5775 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.70 W/kg

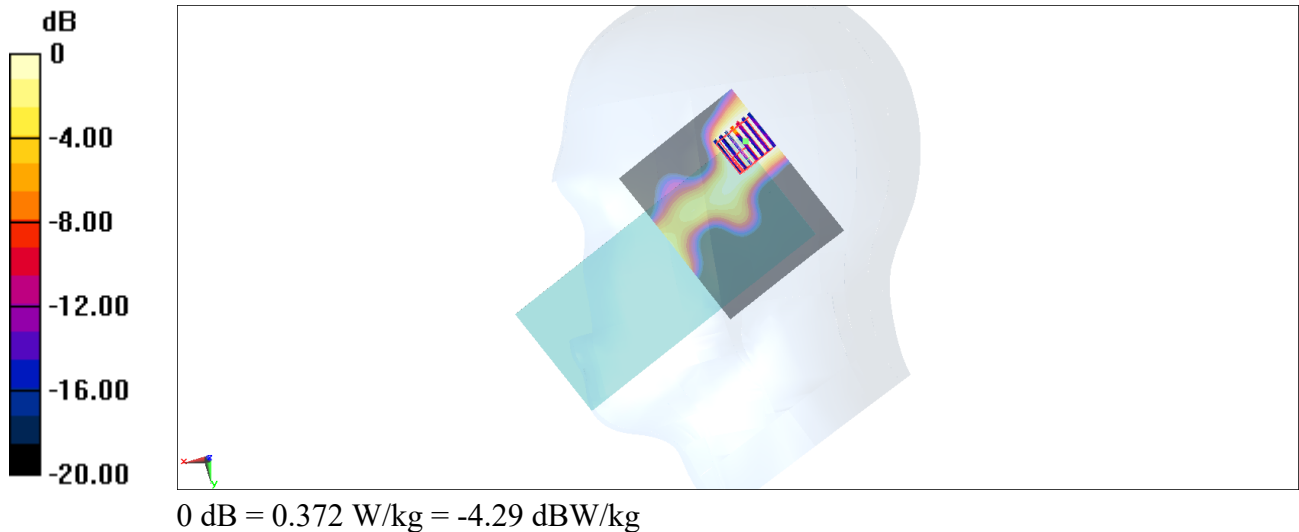
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.376 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.656 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.024 W/kg**

Maximum value of SAR (measured) = 0.372 W/kg



**#16\_Bluetooth\_1Mbps\_Right Cheek\_Ch78;Chain 0**

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.305

Medium: HSL\_2450\_190708 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.824$  S/m;  $\epsilon_r = 39.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2480 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.172 W/kg

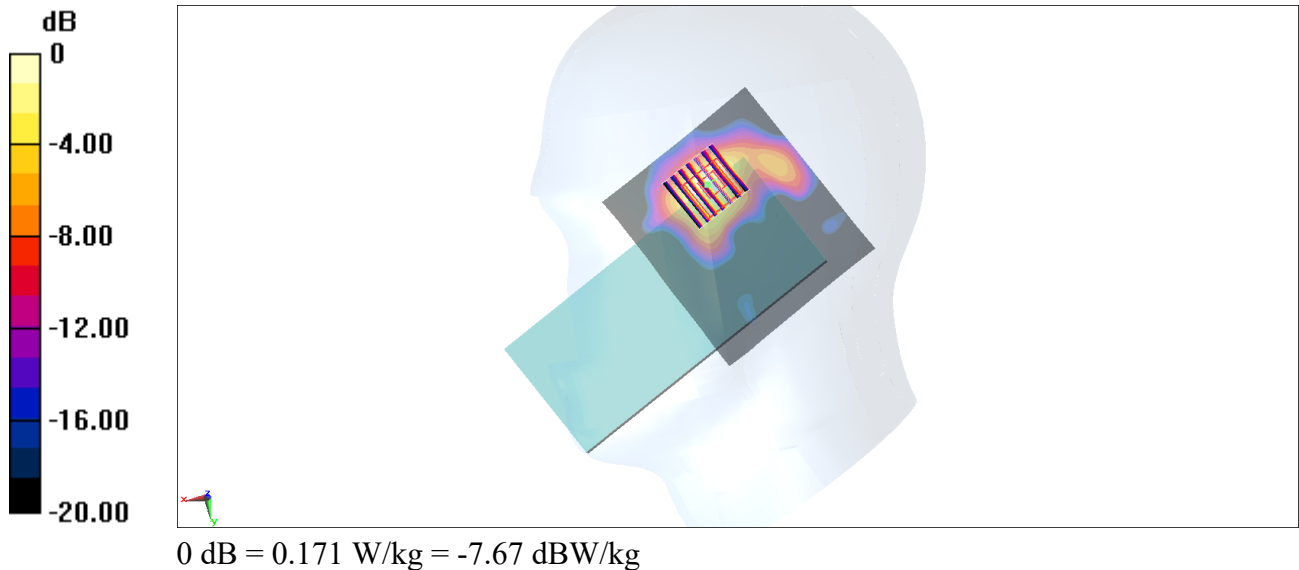
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.518 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.056 W/kg**

Maximum value of SAR (measured) = 0.171 W/kg



**#17\_GSM850\_GPRS (4 Tx slots)\_Left Side\_10mm\_Ch128**

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_190706 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 43.153$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 824.2 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.253 W/kg

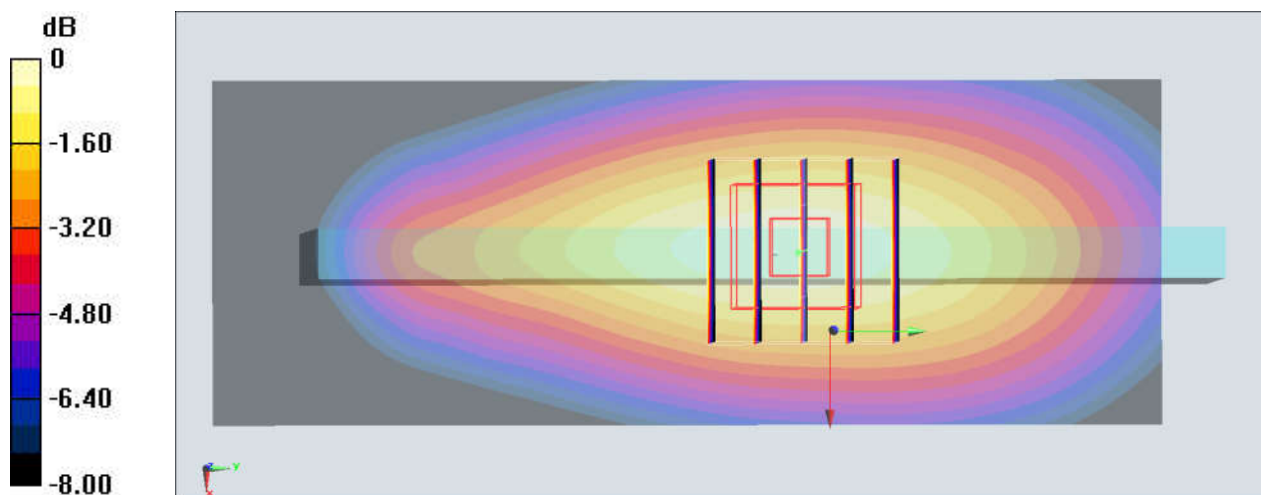
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.61 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.321 W/kg

**SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.152 W/kg**

Maximum value of SAR (measured) = 0.257 W/kg



0 dB = 0.257 W/kg = -5.90 dBW/kg

**#18\_GSM1900\_EDGE (4 Tx slots)\_Bottom Side\_10mm\_Ch810**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium: HSL\_1900\_190706 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.465$  S/m;  $\epsilon_r = 39.761$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1909.8 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.524 W/kg

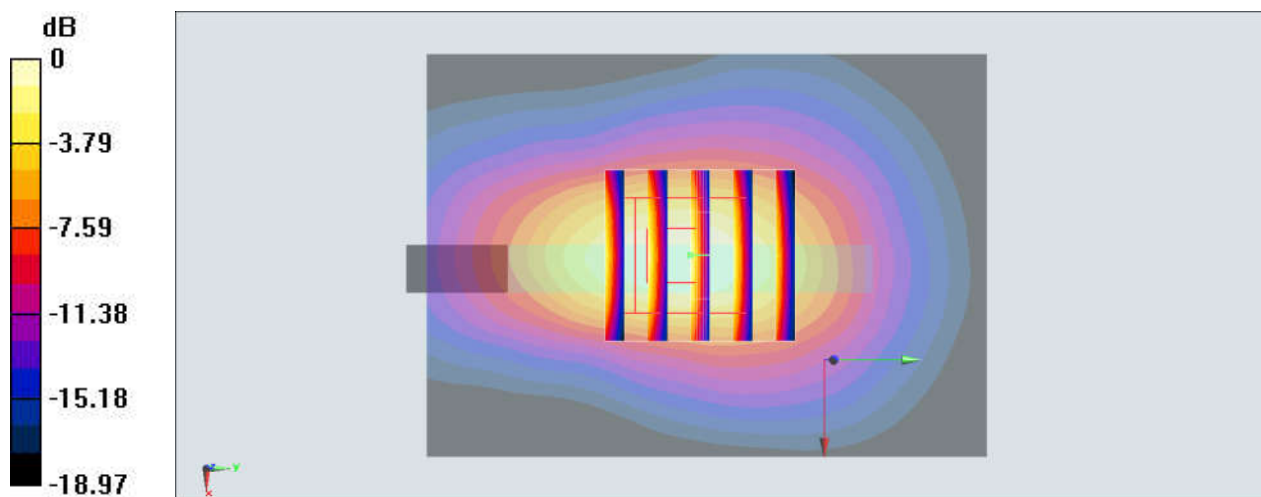
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.129 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.674 W/kg

**SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.191 W/kg**

Maximum value of SAR (measured) = 0.468 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

**#19\_WCDMA II\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch9400**

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

Medium: HSL\_1900\_190705 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 39.075$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1880 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.771 W/kg

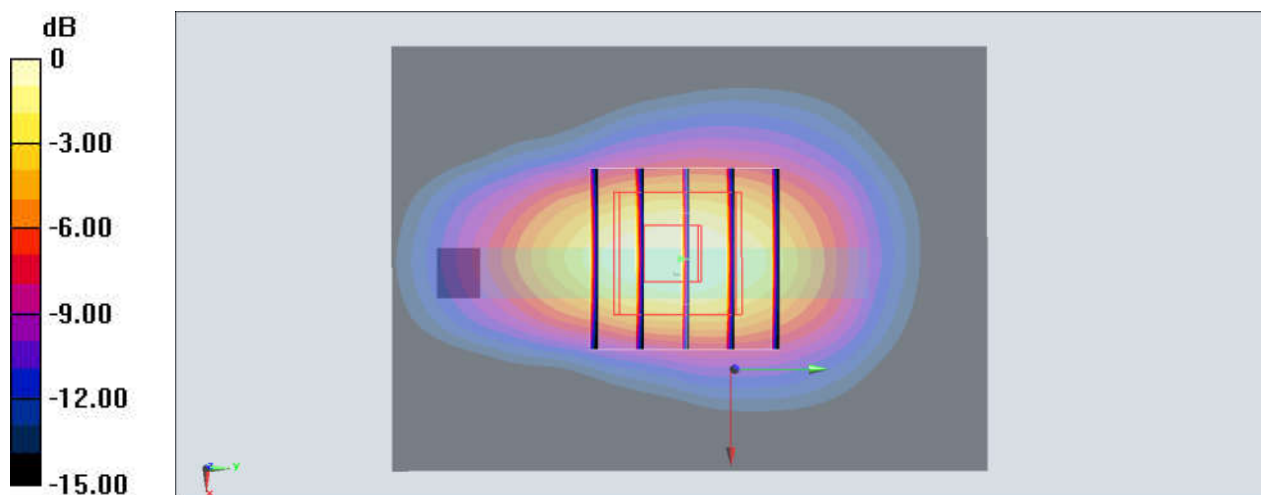
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.14 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.946 W/kg

**SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.273 W/kg**

Maximum value of SAR (measured) = 0.662 W/kg



0 dB = 0.662 W/kg = -1.79 dBW/kg

**#20\_WCDMA IV\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch1312**

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

Medium: HSL\_1750\_190705 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.355$  S/m;  $\epsilon_r = 40.889$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1712.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

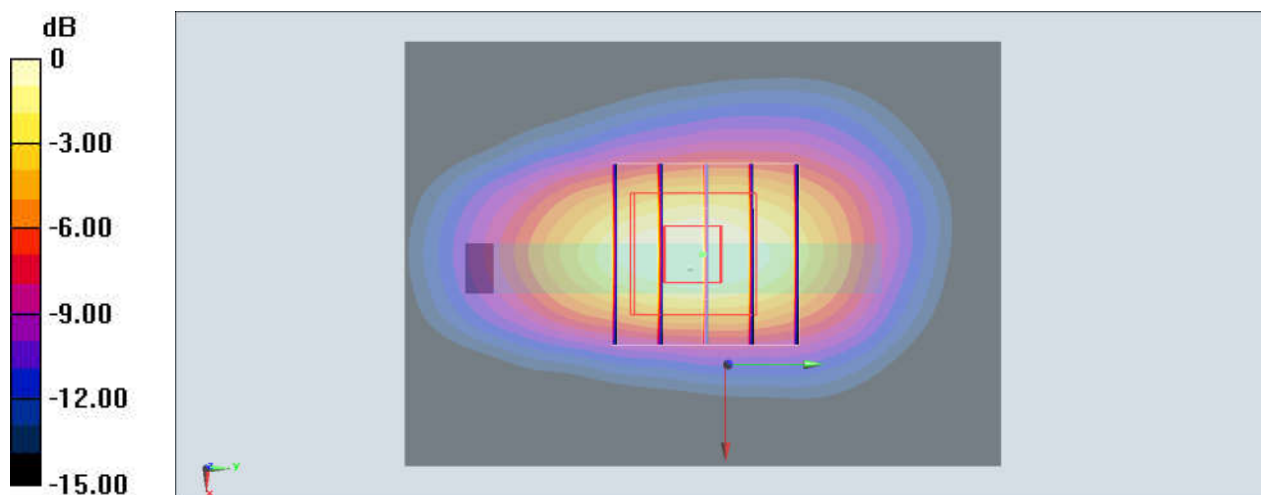
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.90 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.840 W/kg

**SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.273 W/kg**

Maximum value of SAR (measured) = 0.625 W/kg



0 dB = 0.625 W/kg = -2.04 dBW/kg

**#21\_WCDMA V\_RMC 12.2Kbps\_Left Side\_10mm\_Ch4182**

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

Medium: HSL\_850\_190706 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 43.011$ ;

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

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.312 W/kg

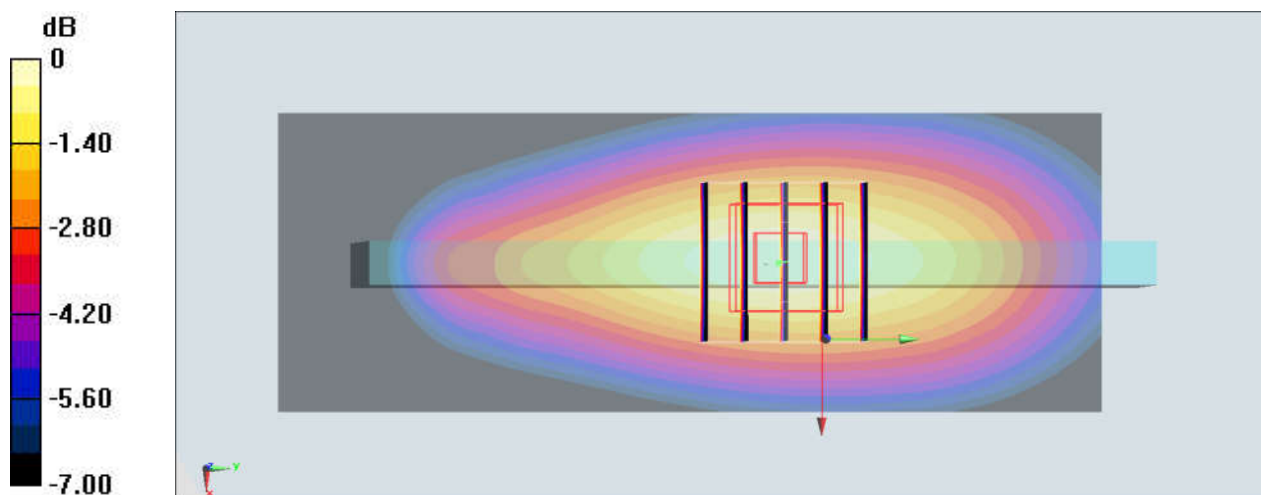
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.53 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.401 W/kg

**SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.187 W/kg**

Maximum value of SAR (measured) = 0.317 W/kg



0 dB = 0.317 W/kg = -4.99 dBW/kg

**#22\_LTE Band 4\_20M\_QPSK\_50\_0\_Bottom Side\_10mm\_Ch20175**

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

Medium: HSL\_1750\_190705 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.376$  S/m;  $\epsilon_r = 40.795$ ;

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

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1732.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.741 W/kg

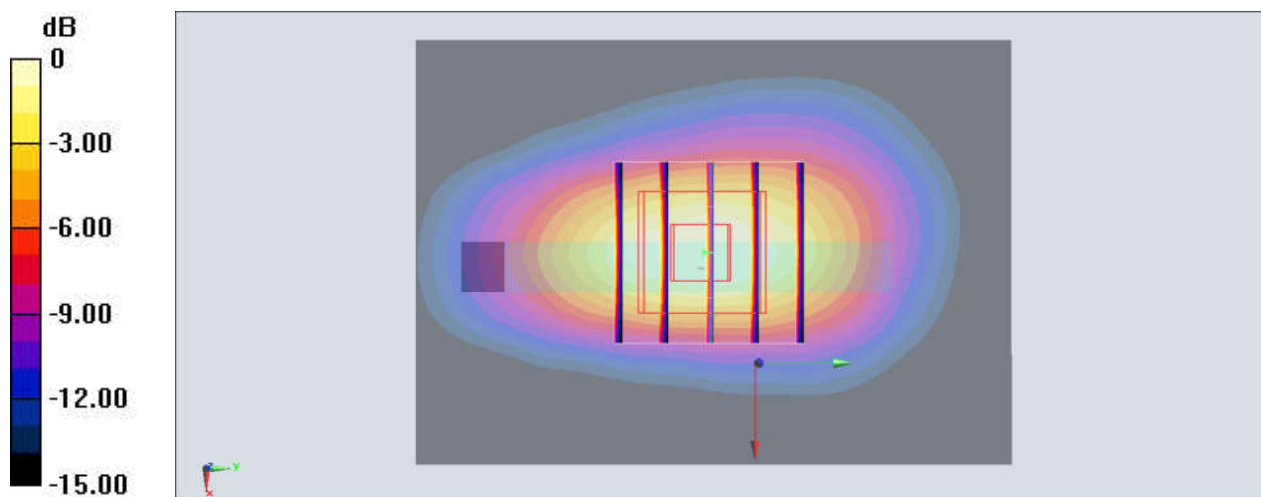
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.95 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.852 W/kg

**SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.275 W/kg**

Maximum value of SAR (measured) = 0.632 W/kg



0 dB = 0.632 W/kg = -1.99 dBW/kg

**#23\_LTE Band 5\_10M\_QPSK\_1\_25\_Left Side\_10mm\_Ch20525**

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

Medium: HSL\_850\_190706 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 43.01$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.228 W/kg

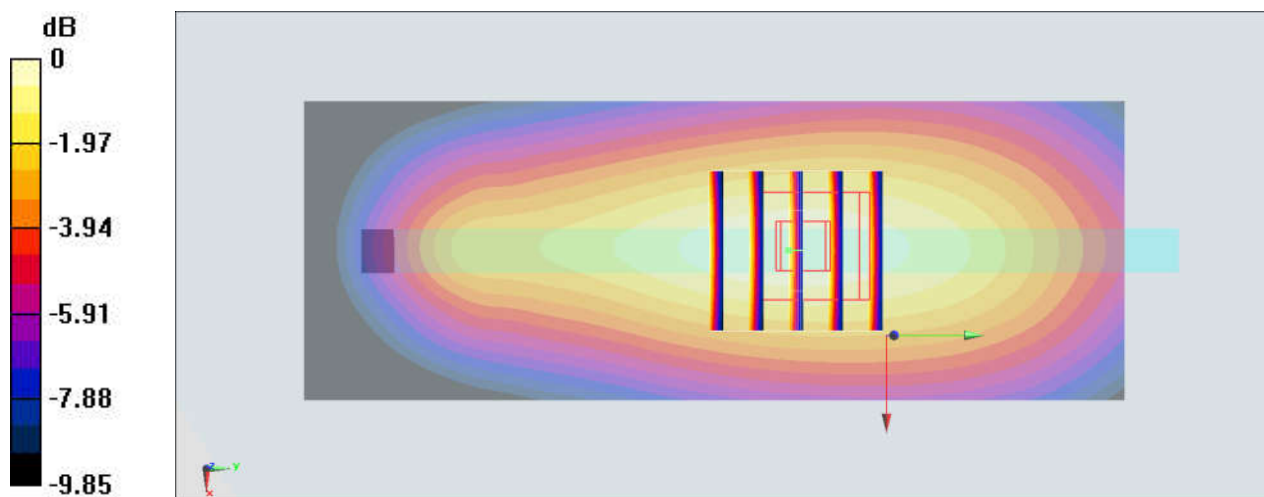
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.65 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.293 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.137 W/kg**

Maximum value of SAR (measured) = 0.232 W/kg



0 dB = 0.232 W/kg = -6.35 dBW/kg

**#24\_LTE Band 7\_20M\_QPSK\_50\_0\_Right Side\_10mm\_Ch21350**

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

Medium: HSL\_2600\_190706 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.902$  S/m;  $\epsilon_r = 38.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.37, 4.37, 4.37) @ 2560 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.582 W/kg

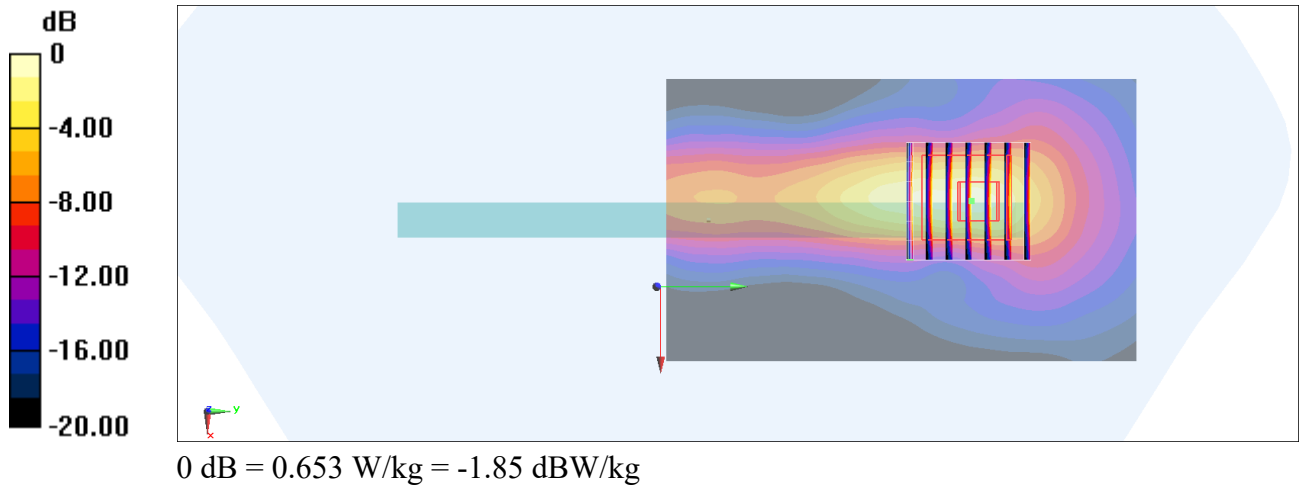
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.72 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.185 W/kg**

Maximum value of SAR (measured) = 0.653 W/kg



**#25\_LTE Band 13\_10M\_QPSK\_1\_25\_Left Side\_10mm\_Ch23230**

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

Medium: HSL\_750\_190707 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 42.568$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 782 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.414 W/kg

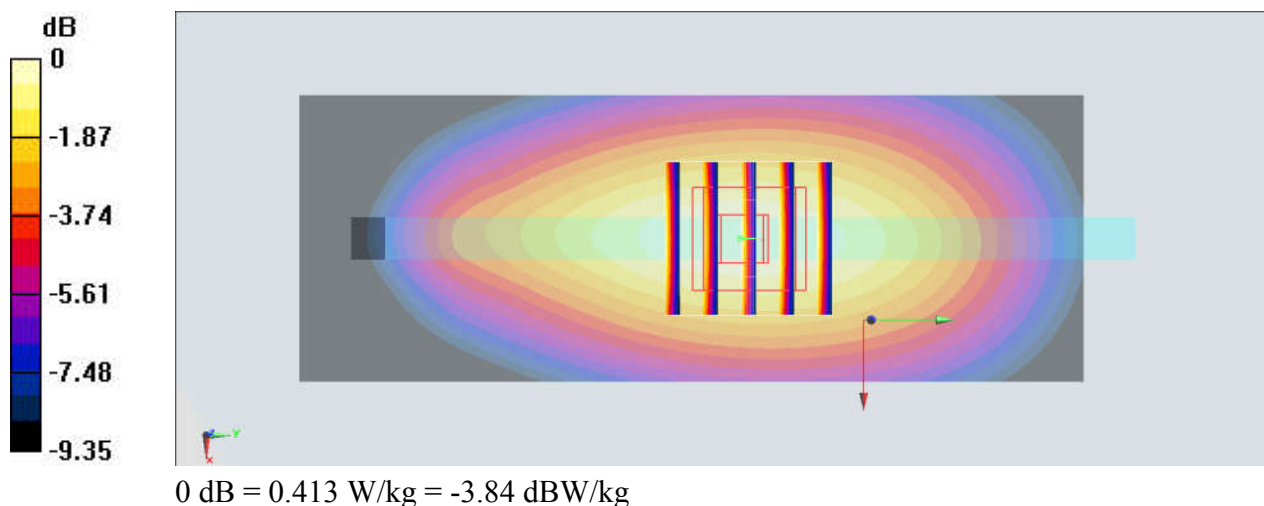
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.78 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.506 W/kg

**SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.248 W/kg**

Maximum value of SAR (measured) = 0.413 W/kg



**#26\_LTE Band 17\_10M\_QPSK\_1\_0\_Back\_10mm\_Ch23790**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_190707 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.865$  S/m;  $\epsilon_r = 43.563$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 710 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.306 W/kg

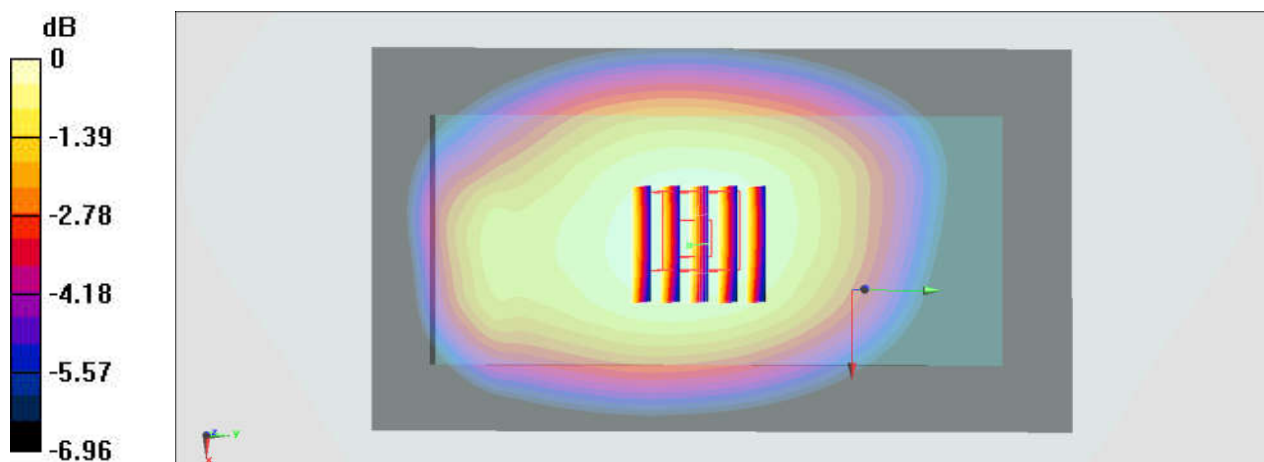
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.02 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.341 W/kg

**SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.231 W/kg**

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg = -5.11 dBW/kg

**#27\_LTE Band 41\_20M\_QPSK\_50\_50\_Bottom Side\_10mm\_Ch41490**

Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_190706 Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.033$  S/m;  $\epsilon_r = 37.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.37, 4.37, 4.37) @ 2680 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.346 W/kg

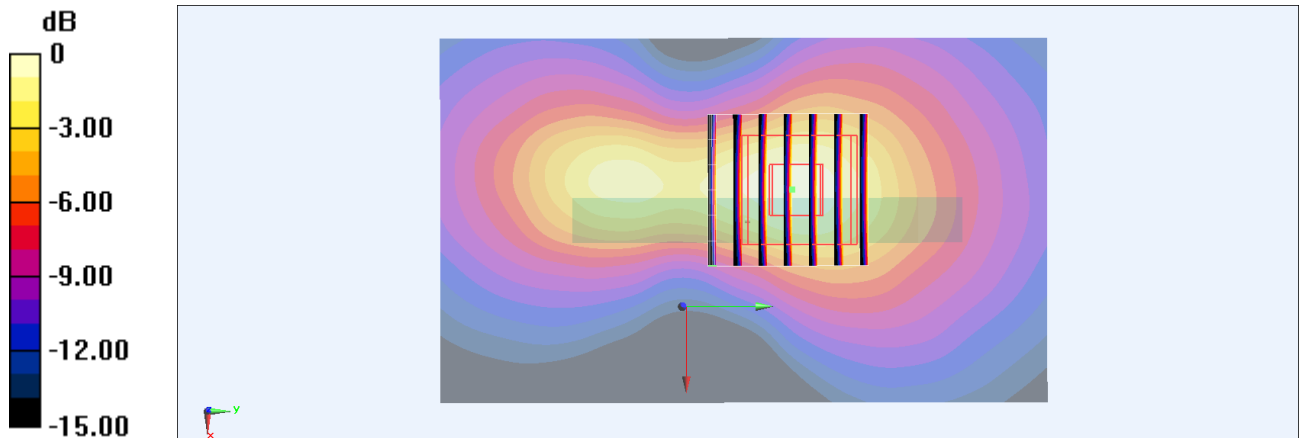
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.29 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.550 W/kg

**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.135 W/kg**

Maximum value of SAR (measured) = 0.354 W/kg



0 dB = 0.354 W/kg = -4.51 dBW/kg

**#28\_WLAN2.4GHz\_802.11b 1Mbps\_Left Side\_10mm\_Ch1;Chain 1**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.007

Medium: HSL\_2450\_190708 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.744$  S/m;  $\epsilon_r = 39.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2412 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x101x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.190 W/kg

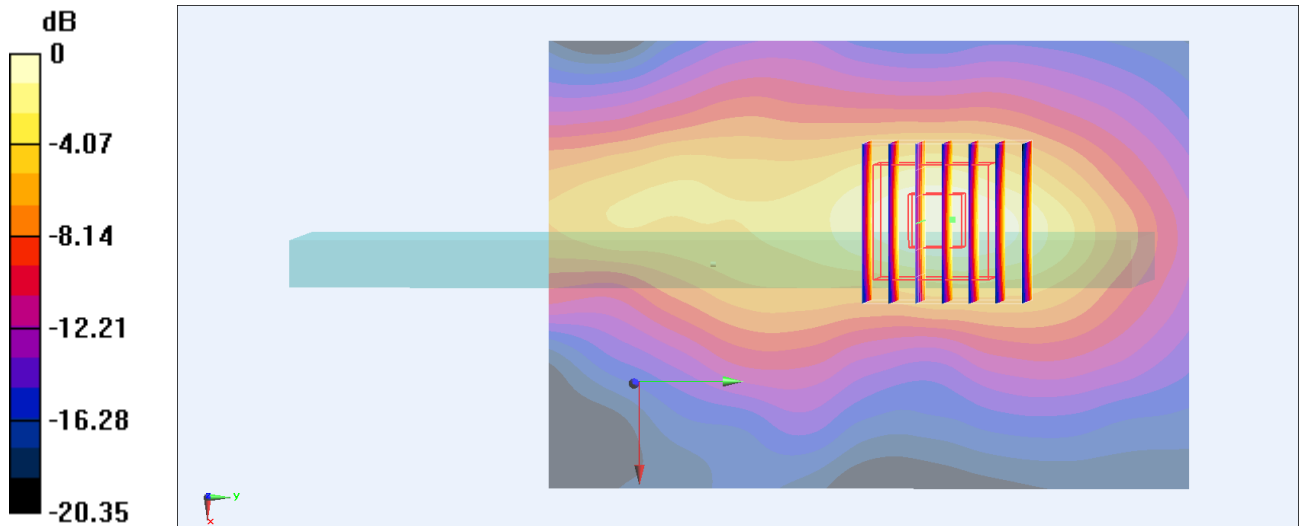
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.084 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.262 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.186 W/kg = -7.30 dBW/kg

**#29\_Bluetooth\_1Mbps\_Left Side\_10mm\_Ch78;Chain 0**

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.305

Medium: HSL\_2450\_190708 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.824$  S/m;  $\epsilon_r = 39.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2480 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0767 W/kg

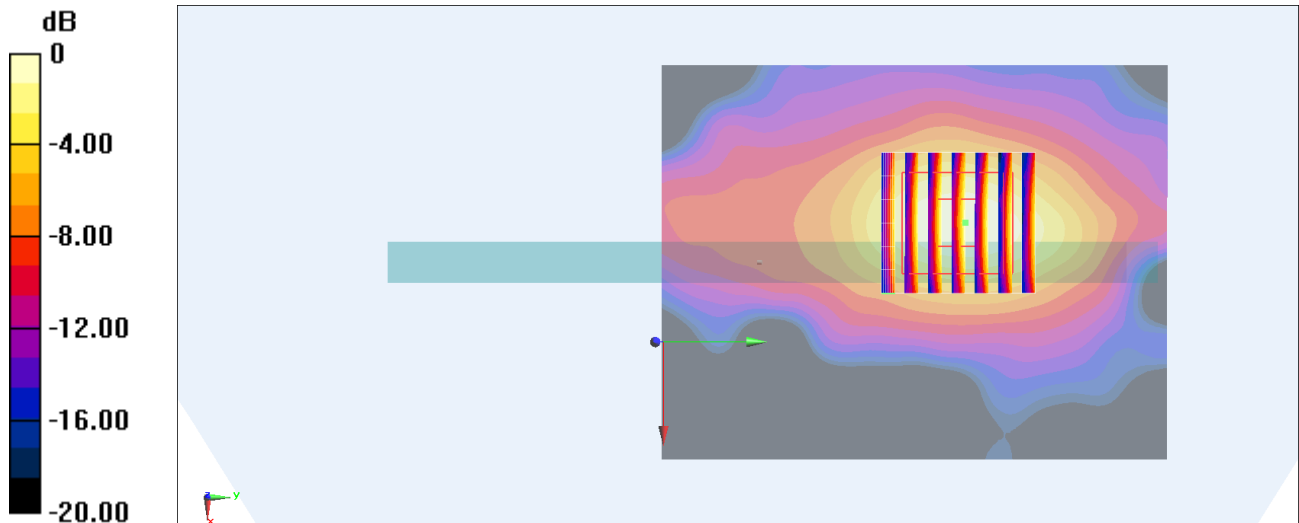
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.151 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.0723 W/kg



0 dB = 0.0723 W/kg = -11.41 dBW/kg

**#30\_GSM850\_GPRS (4 Tx slots)\_Back\_15mm\_Ch128**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_190706 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 43.153$ ;

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

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 824.2 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.208 W/kg

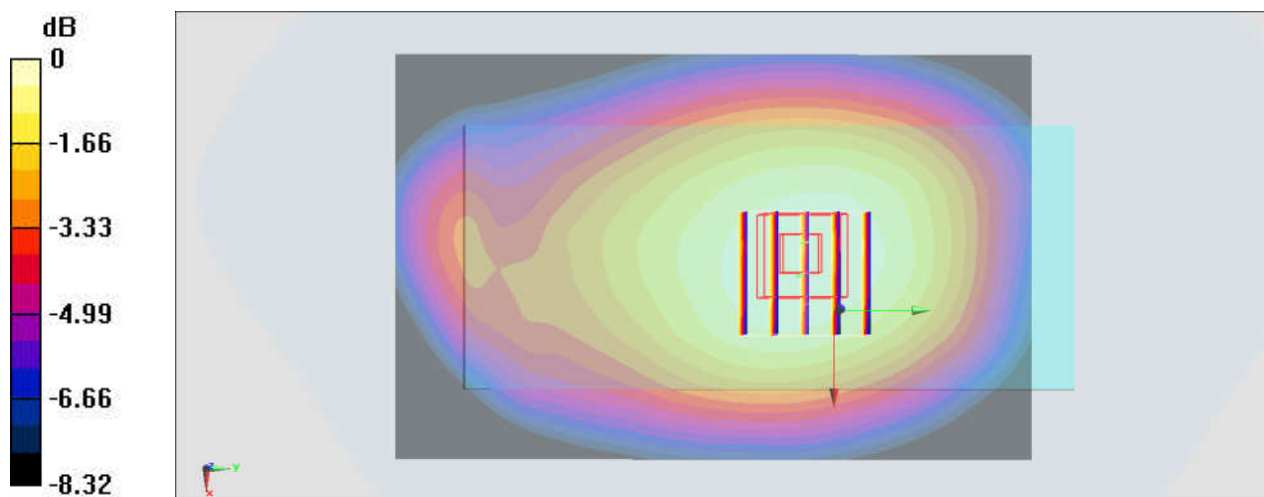
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.03 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.243 W/kg

**SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.145 W/kg**

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



0 dB = 0.209 W/kg = -6.80 dBW/kg

**#31\_GSM1900\_EDGE (4 Tx slots)\_Front\_15mm\_Ch810**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium: HSL\_1900\_190706 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.465$  S/m;  $\epsilon_r = 39.761$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1909.8 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- 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) = 0.137 W/kg

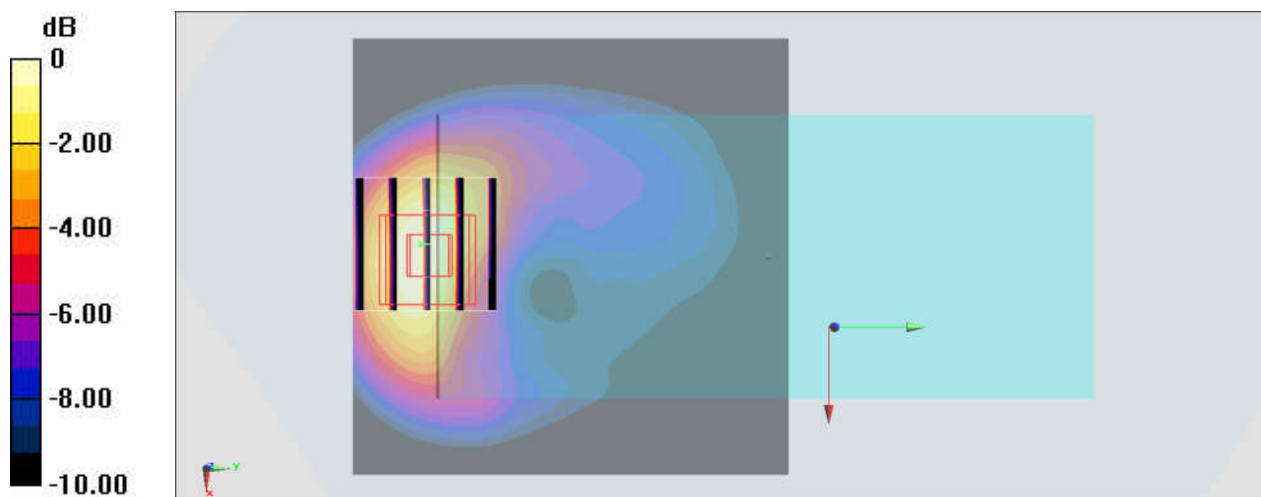
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.515 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.183 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg = -8.70 dBW/kg

**#32\_WCDMA II\_RMC 12.2Kbps\_Back\_15mm\_Ch9400**

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

Medium: HSL\_1900\_190705 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 39.075$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1880 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- 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) = 0.180 W/kg

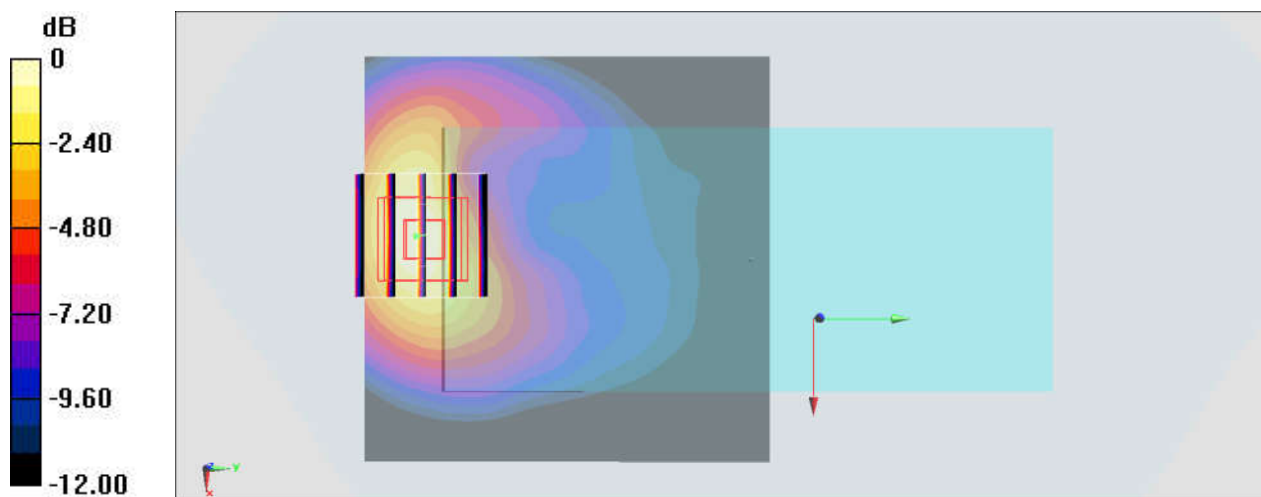
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.227 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.248 W/kg

**SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg = -7.45 dBW/kg

**#33\_WCDMA IV\_RMC 12.2Kbps\_Back\_15mm\_Ch1312**

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

Medium: HSL\_1750\_190705 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.355$  S/m;  $\epsilon_r = 40.889$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1712.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- 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) = 0.270 W/kg

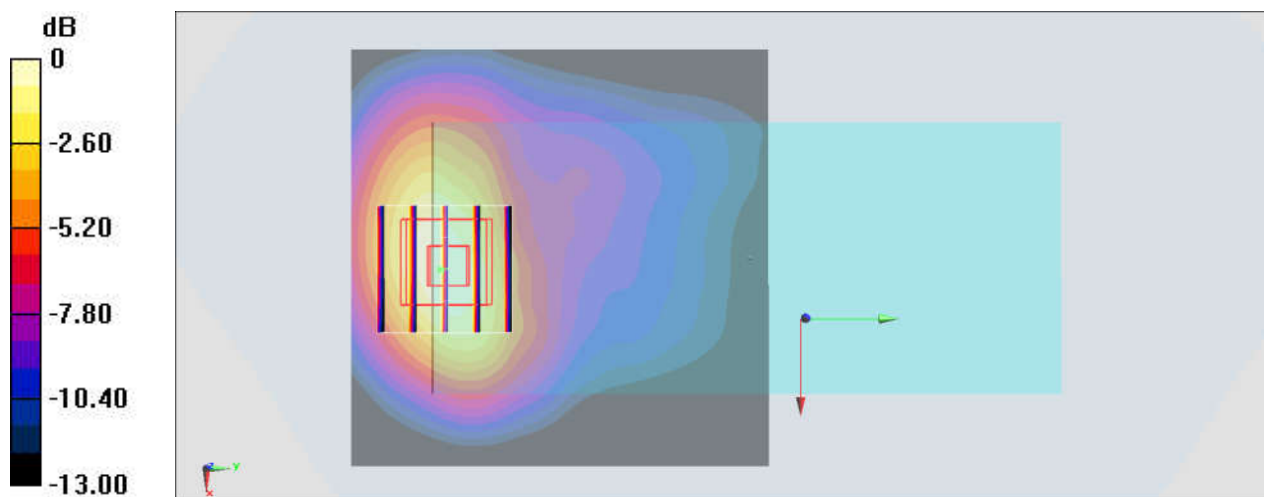
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.82 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.351 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.269 W/kg



0 dB = 0.269 W/kg = -5.70 dBW/kg

**#34\_WCDMA V\_RMC 12.2Kbps\_Back\_15mm\_Ch4182**

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

Medium: HSL\_850\_190706 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 43.011$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.259 W/kg

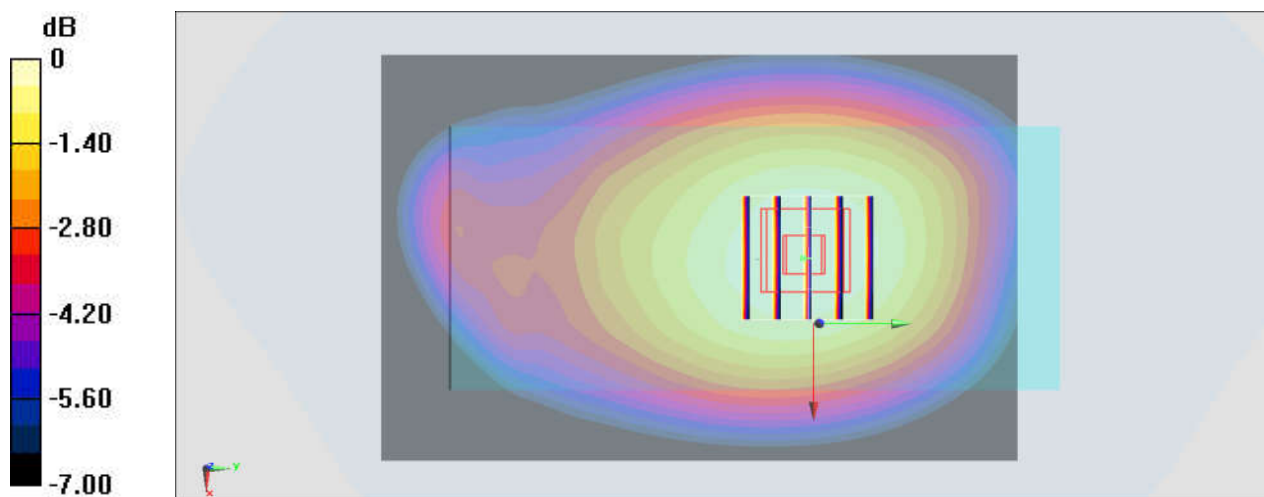
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.76 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.299 W/kg

**SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.181 W/kg**

Maximum value of SAR (measured) = 0.260 W/kg



0 dB = 0.260 W/kg = -5.85 dBW/kg

**#35\_LTE Band 4\_20M\_QPSK\_50\_0\_Back\_15mm\_Ch20175**

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

Medium: HSL\_1750\_190705 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.376$  S/m;  $\epsilon_r = 40.795$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1732.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- 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) = 0.259 W/kg

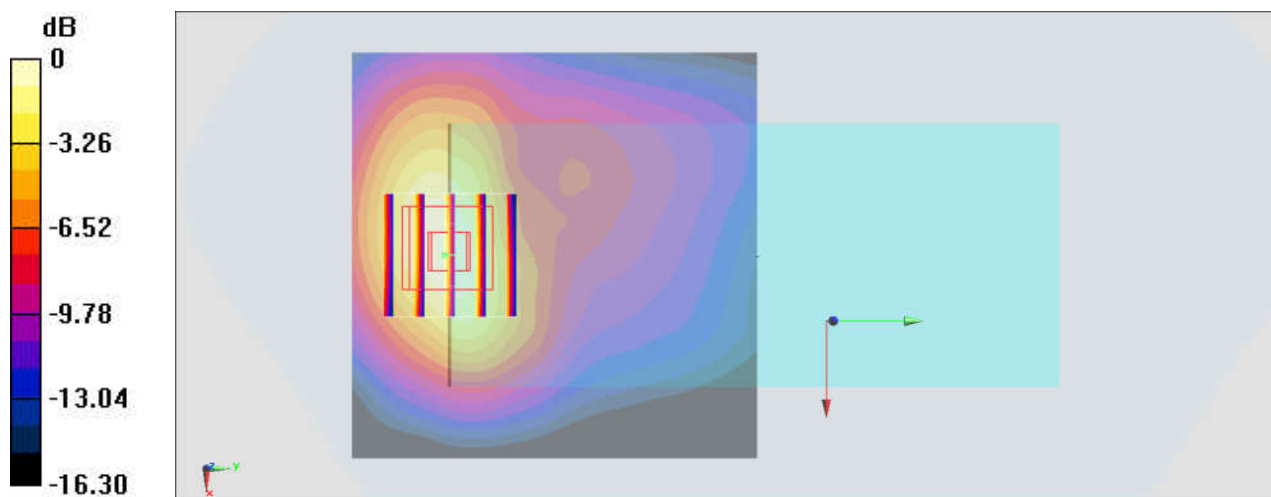
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.671 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.345 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.129 W/kg**

Maximum value of SAR (measured) = 0.266 W/kg



0 dB = 0.266 W/kg = -5.75 dBW/kg

**#36\_LTE Band 5\_10M\_QPSK\_1\_25\_Front\_15mm\_Ch20525**

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

Medium: HSL\_850\_190706 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 43.01$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.191 W/kg

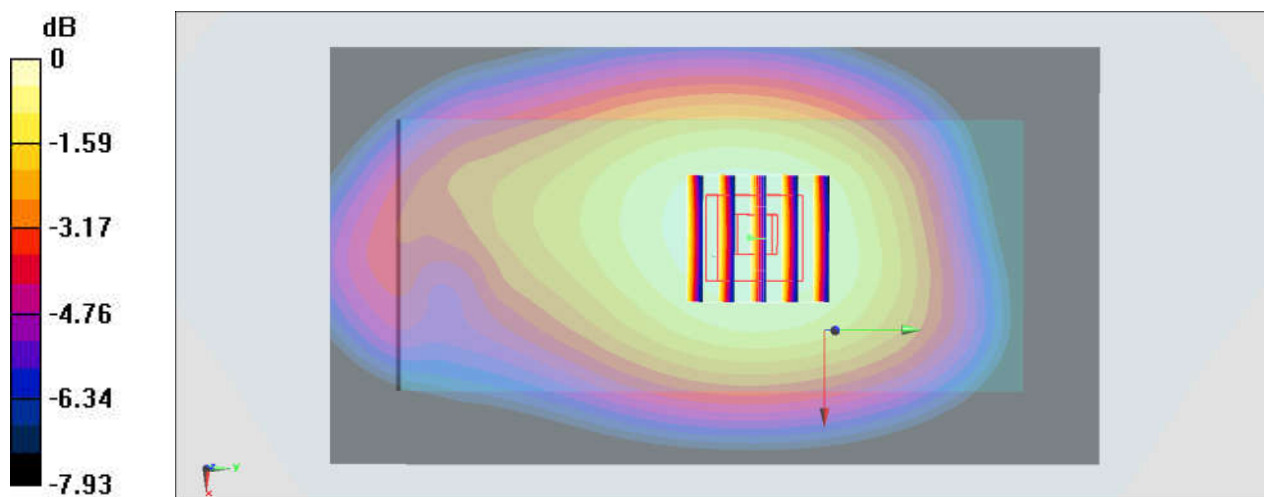
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.78 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.221 W/kg

**SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.132 W/kg**

Maximum value of SAR (measured) = 0.191 W/kg



0 dB = 0.191 W/kg = -7.19 dBW/kg

**#37\_LTE Band 7\_20M\_QPSK\_50\_0\_Back\_15mm\_Ch21350**

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

Medium: HSL\_2600\_190706 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.902$  S/m;  $\epsilon_r = 38.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.37, 4.37, 4.37) @ 2560 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.101 W/kg

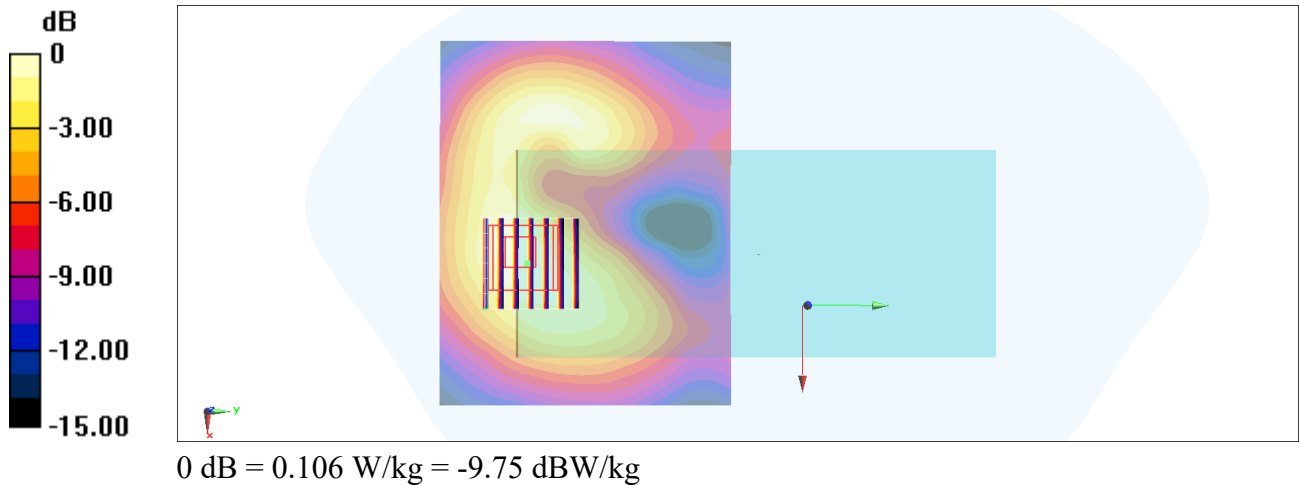
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.247 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.152 W/kg

**SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.106 W/kg



**#38\_LTE Band 13\_10M\_QPSK\_1\_25\_Back\_15mm\_Ch23230**

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

Medium: HSL\_750\_190707 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 42.568$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 782 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.365 W/kg

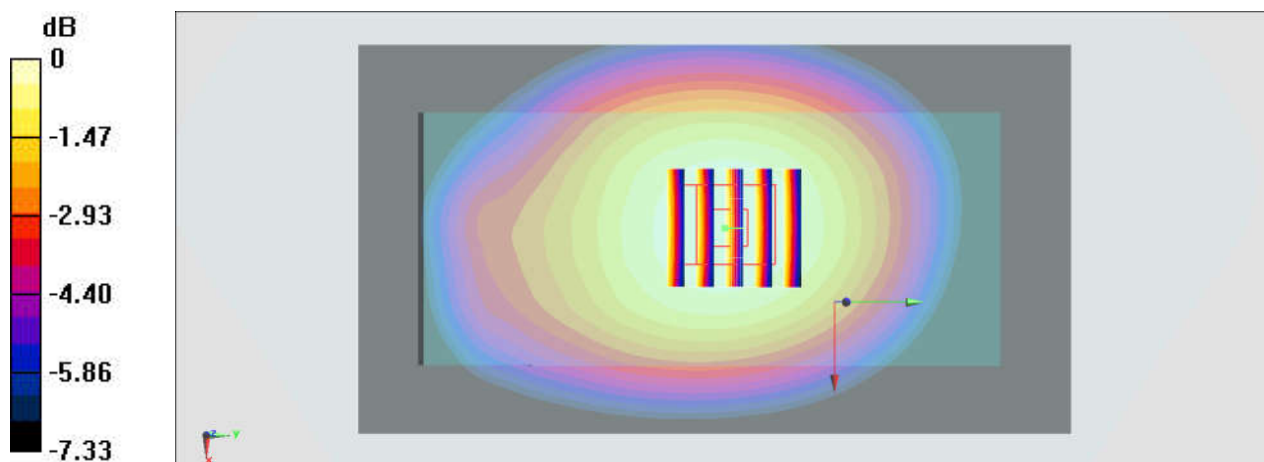
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.08 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.405 W/kg

**SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg

**#39\_LTE Band 17\_10M\_QPSK\_1\_0\_Back\_15mm\_Ch23790**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_190707 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.865$  S/m;  $\epsilon_r = 43.563$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 710 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.277 W/kg

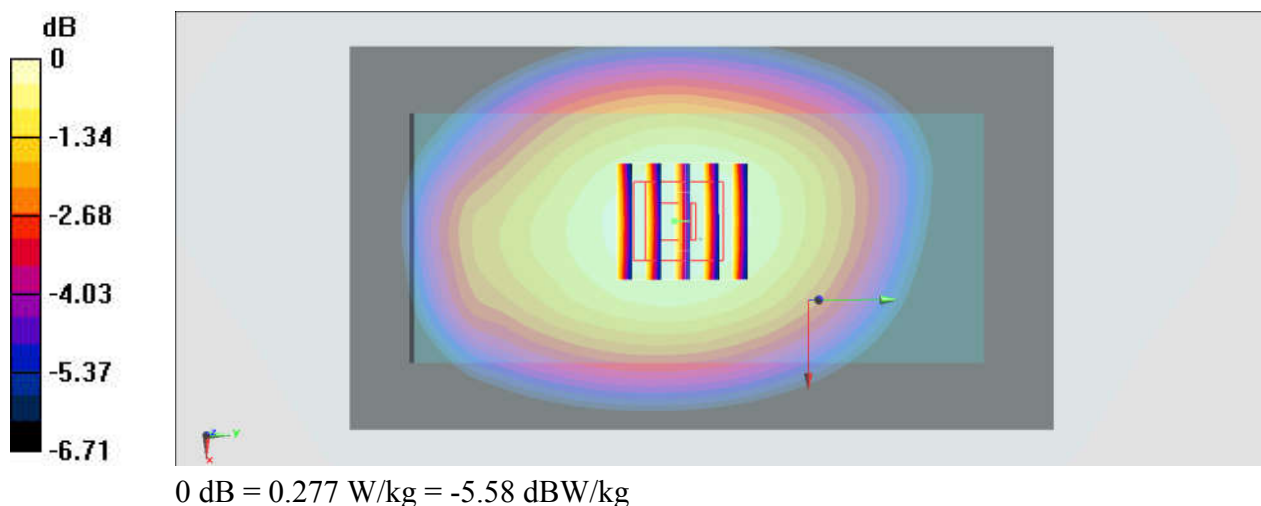
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.09 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.203 W/kg**

Maximum value of SAR (measured) = 0.277 W/kg



**#40\_LTE Band 41\_20M\_QPSK\_1\_99\_Back\_15mm\_Ch41490**

Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_190706 Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.033$  S/m;  $\epsilon_r = 37.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.37, 4.37, 4.37) @ 2680 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.0971 W/kg

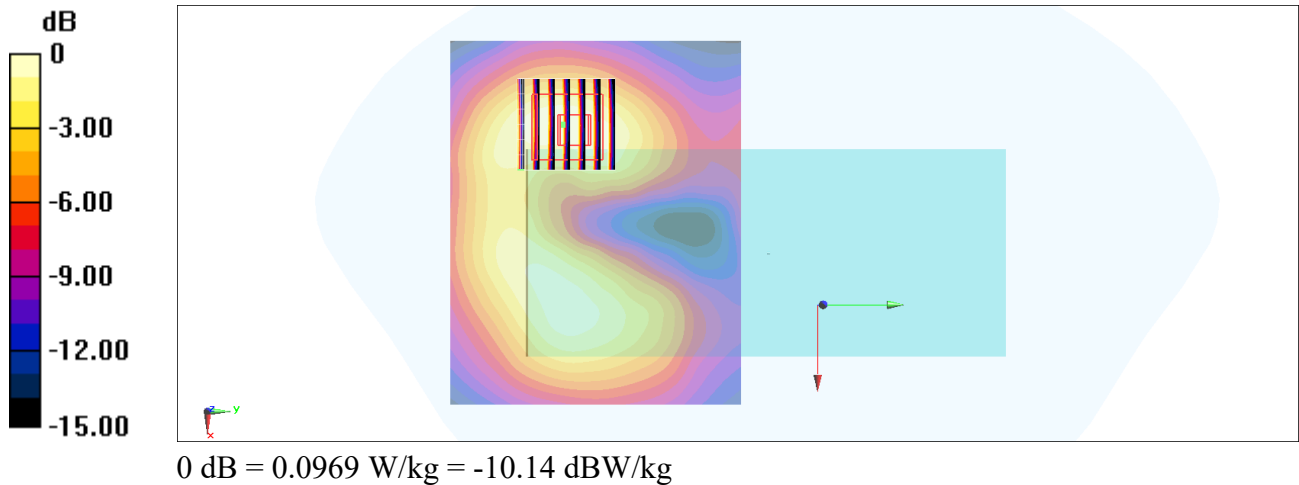
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.896 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.158 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.039 W/kg**

Maximum value of SAR (measured) = 0.0969 W/kg



**#41\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_15mm\_Ch1;Chain 1**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.007

Medium: HSL\_2450\_190708 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.744$  S/m;  $\epsilon_r = 39.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2412 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.0917 W/kg

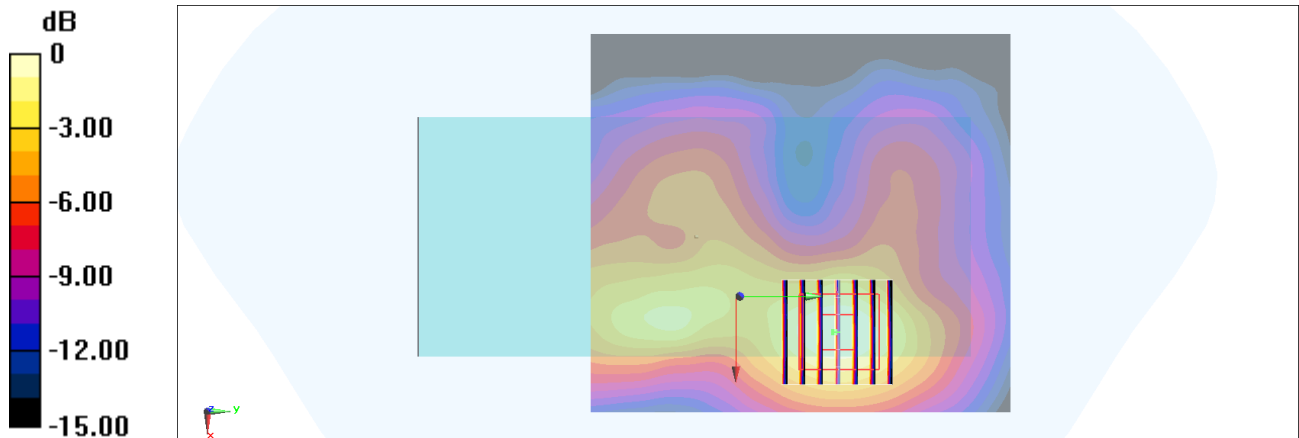
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.726 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.121 W/kg

**SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.037 W/kg**

Maximum value of SAR (measured) = 0.0883 W/kg



0 dB = 0.0883 W/kg = -10.54 dBW/kg

**#42\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_15mm\_Ch58;Chain 0**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.031

Medium: HSL\_5G\_190709 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.656$  S/m;  $\epsilon_r = 35.121$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.77, 4.77, 4.77) @ 5290 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.0985 W/kg

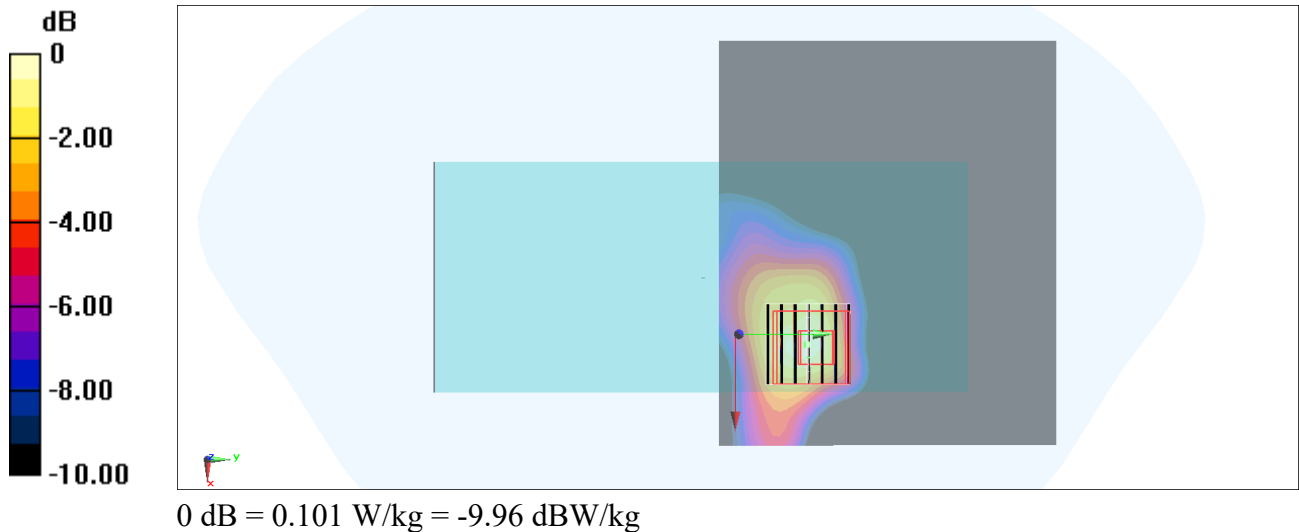
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 4.242 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.146 W/kg

**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.015 W/kg**

Maximum value of SAR (measured) = 0.101 W/kg



**#43\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_15mm\_Ch106;Chain 0**

Communication System: 802.11ac ; Frequency: 5530 MHz;Duty Cycle: 1:1.031

Medium: HSL\_5G\_190709 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 4.851$  S/m;  $\epsilon_r = 34.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.2, 4.2, 4.2) @ 5530 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

**Area Scan (121x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.0620 W/kg

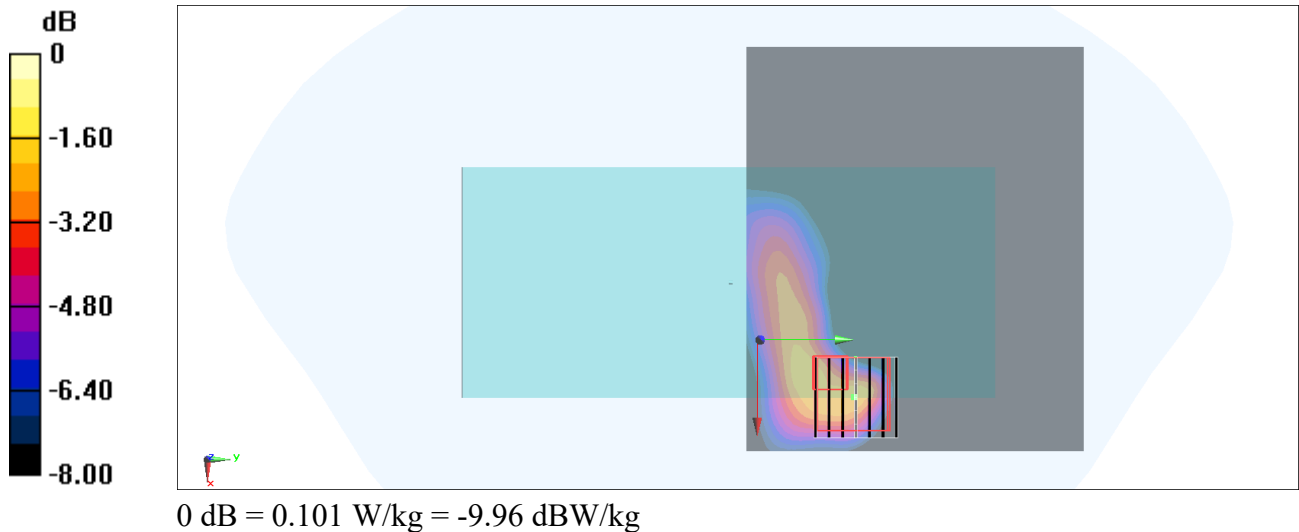
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 4.433 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.101 W/kg



**#44\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_15mm\_Ch155;Chain 1**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.031

Medium: HSL\_5G\_190710 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.006$  S/m;  $\epsilon_r = 34.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.26, 4.26, 4.26) @ 5775 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0235 W/kg

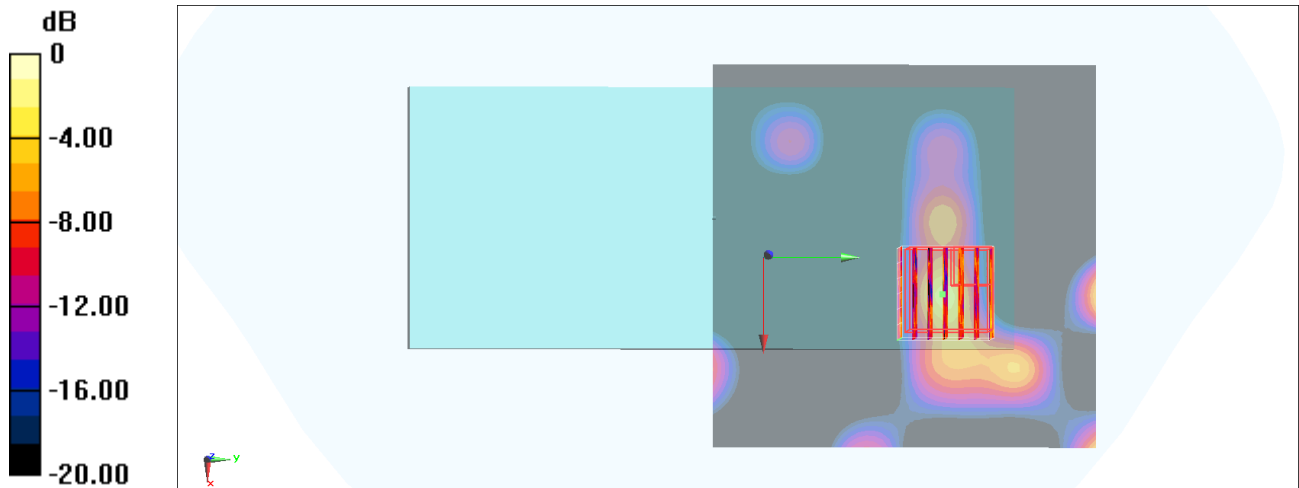
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.289 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.00869 W/kg; SAR(10 g) = 0.00193 W/kg**

Maximum value of SAR (measured) = 0.0495 W/kg



0 dB = 0.0495 W/kg = -13.05 dBW/kg

**#45\_Bluetooth\_1Mbps\_Back\_15mm\_Ch78;Chain 0**

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.305

Medium: HSL\_2450\_190708 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.824$  S/m;  $\epsilon_r = 39.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2480 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0303 W/kg

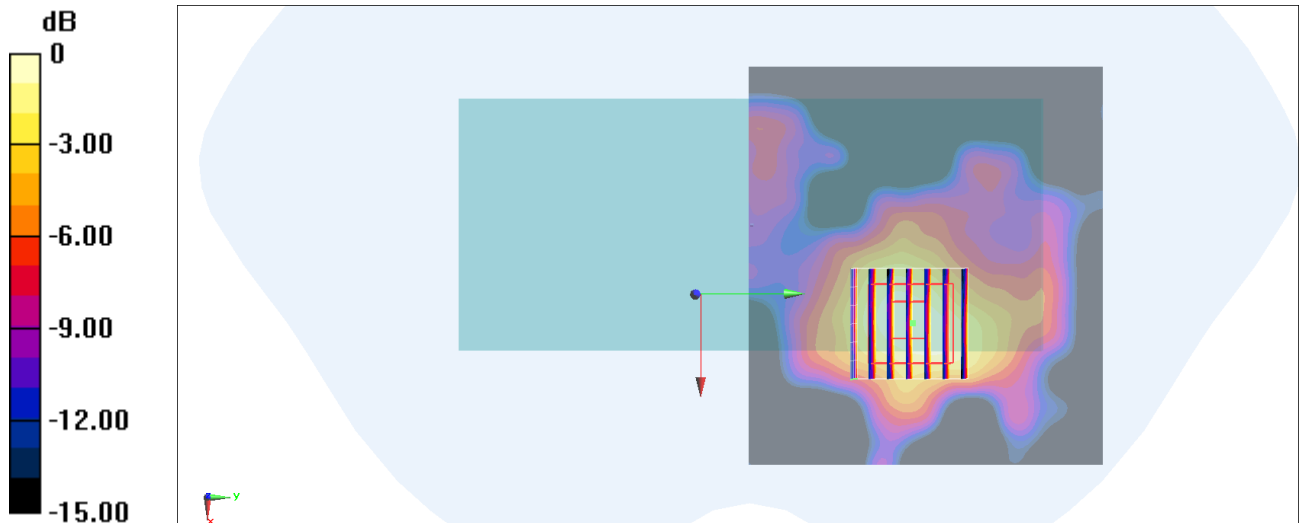
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.717 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0420 W/kg

**SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0299 W/kg



0 dB = 0.0299 W/kg = -15.24 dBW/kg

**#46\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch58;Chain 0**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.031

Medium: HSL\_5G\_190709 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.656$  S/m;  $\epsilon_r = 35.121$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.77, 4.77, 4.77) @ 5290 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.482 W/kg

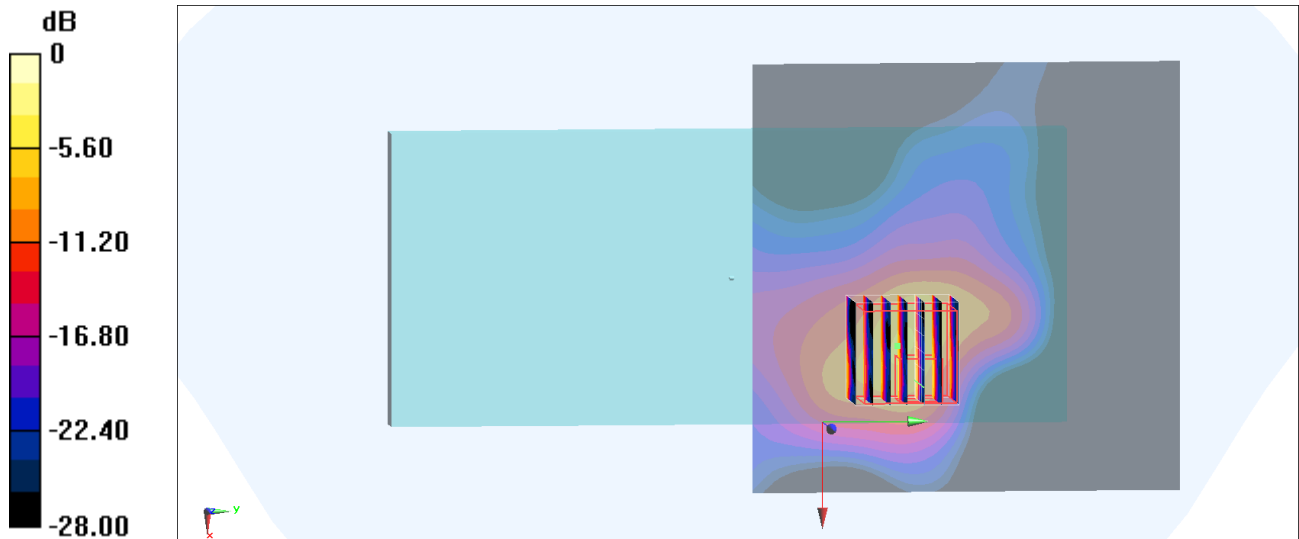
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 11.47 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.66 W/kg

**SAR(1 g) = 0.894 W/kg; SAR(10 g) = 0.224 W/kg**

Maximum value of SAR (measured) = 2.53 W/kg



0 dB = 2.53 W/kg = 4.03 dBW/kg

**#47\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch106;Chain 1**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.031

Medium: HSL\_5G\_190709 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 4.851$  S/m;  $\epsilon_r = 34.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.2, 4.2, 4.2) @ 5530 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.91 W/kg

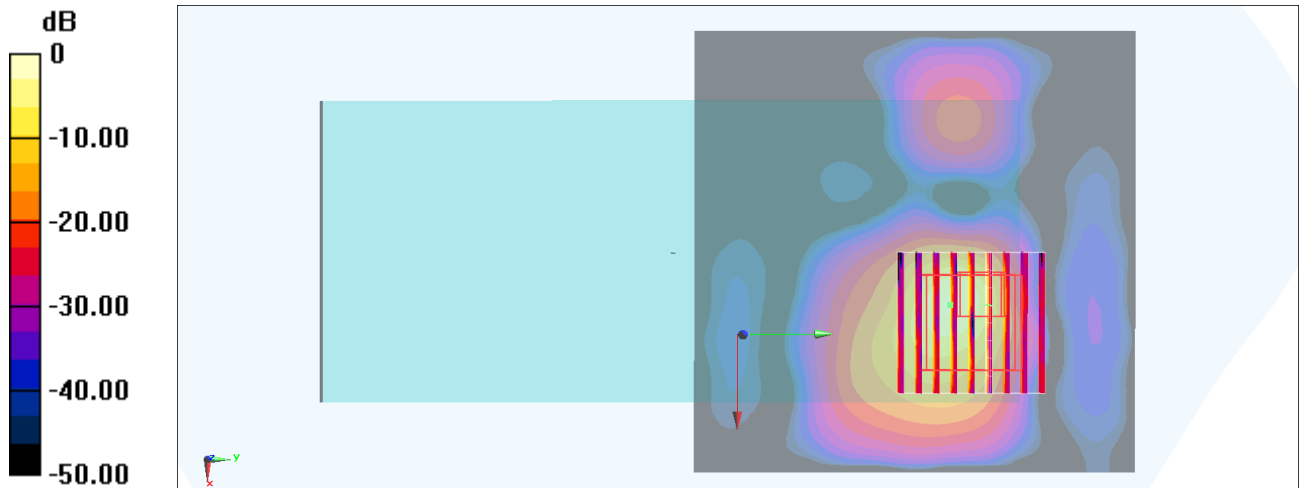
**Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 22.39 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 10.3 W/kg

**SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.234 W/kg**

Maximum value of SAR (measured) = 3.62 W/kg



0 dB = 3.62 W/kg = 5.59 dBW/kg

**#48\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch155;Chain 0**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.031

Medium: HSL\_5G\_190710 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.006$  S/m;  $\epsilon_r = 34.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.26, 4.26, 4.26) @ 5775 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 4.97 W/kg

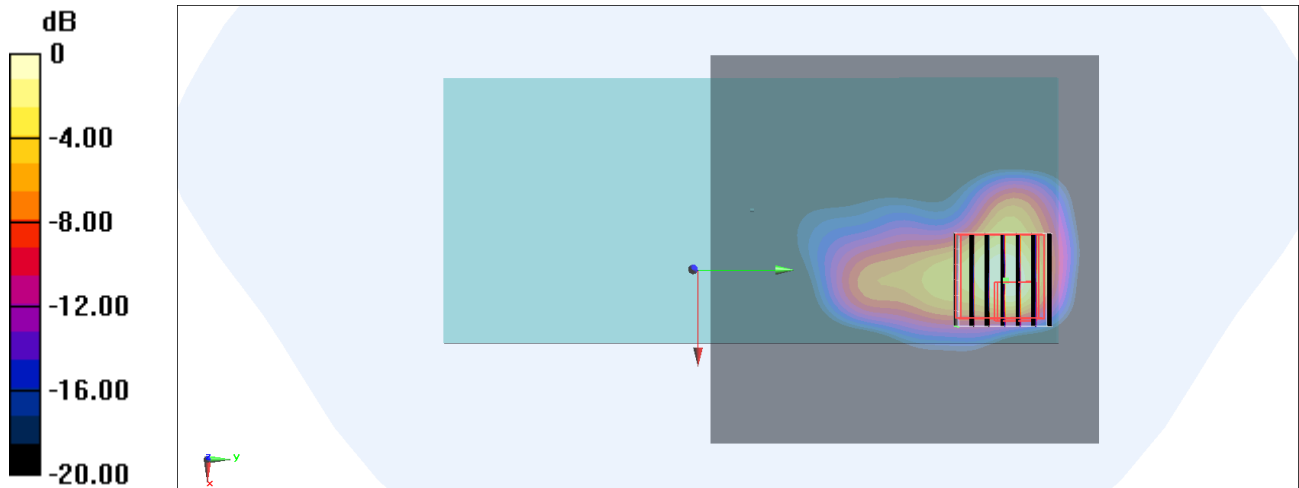
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 12.39 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 12.2 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.282 W/kg**

Maximum value of SAR (measured) = 4.52 W/kg



0 dB = 4.52 W/kg = 6.55 dBW/kg