

**#01\_GSM850\_GPRS (4 Tx slots)\_Right Cheek\_Ch251**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_190617 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.885$  S/m;  $\epsilon_r = 41.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(5.97, 5.97, 5.97) @ 848.8 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:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.966 W/kg

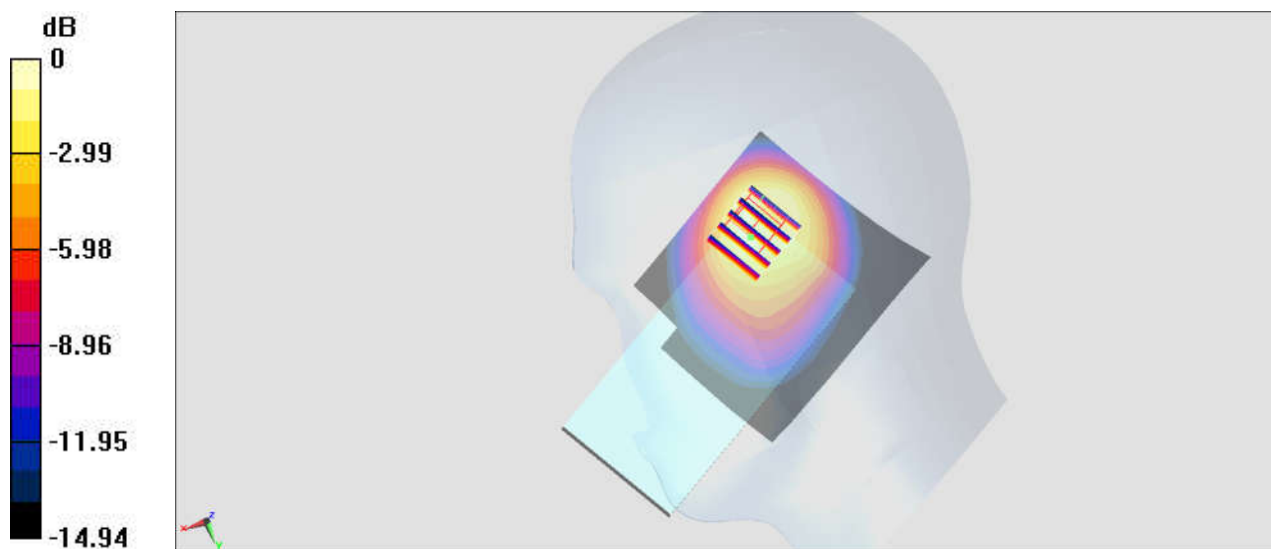
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.098 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.471 W/kg**

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

**#02\_GSM1900\_GPRS (4 Tx slots)\_Right Tilted\_Ch810**

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

Medium: HSL\_1900\_190618 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.432$  S/m;  $\epsilon_r = 41.09$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °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 (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.861 W/kg

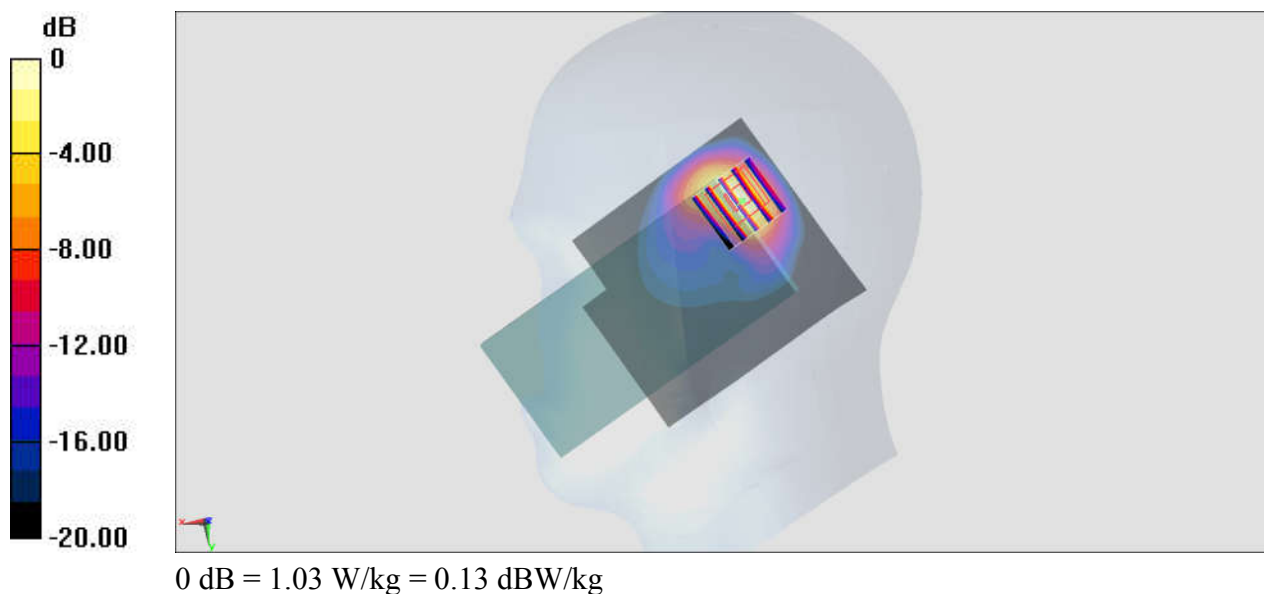
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 17.28 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.59 W/kg

**SAR(1 g) = 0.747 W/kg; SAR(10 g) = 0.329 W/kg**

Maximum value of SAR (measured) = 1.03 W/kg



**#03\_WCDMA II\_RMC 12.2Kbps\_Right Tilted\_Ch9538**

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

Medium: HSL\_1900\_190618 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 41.101$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1907.6 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 (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.944 W/kg

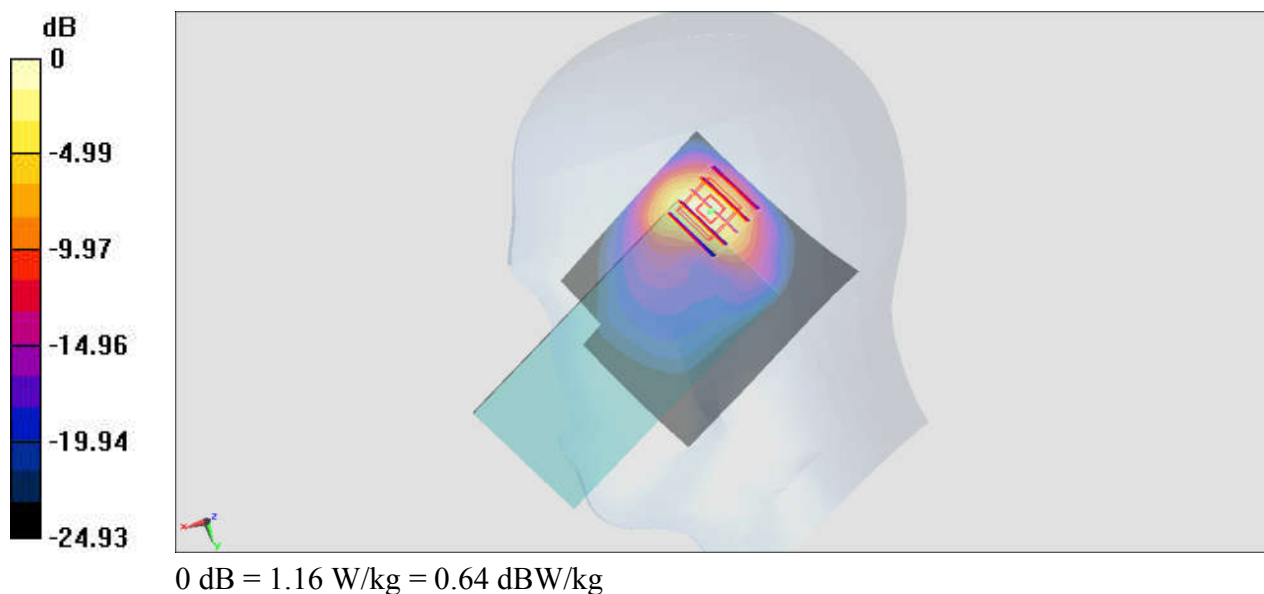
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.58 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.363 W/kg**

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



**#04\_WCDMA IV\_RMC 12.2Kbps\_Right Tilted\_Ch1513**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_190618 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.357$  S/m;  $\epsilon_r = 39.916$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3124; ConvF(5.18, 5.18, 5.18) @ 1752.6 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.901 W/kg

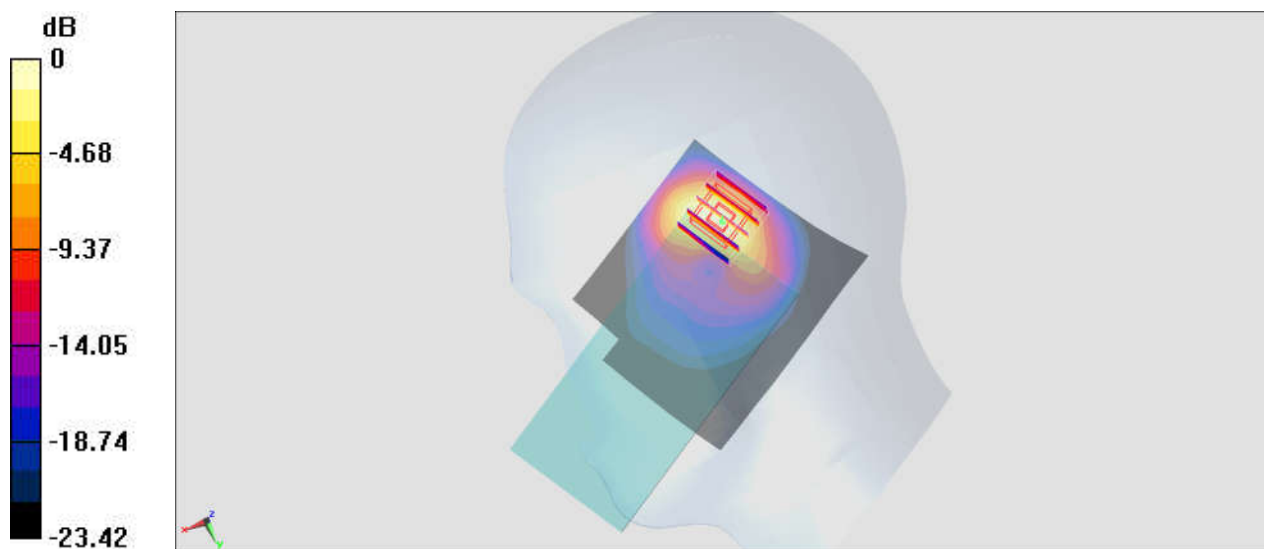
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.11 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 0.809 W/kg; SAR(10 g) = 0.359 W/kg**

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



0 dB = 1.06 W/kg = 0.25 dBW/kg

**#05\_WCDMA V\_RMC 12.2Kbps\_Right Cheek\_Ch4233**

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

Medium: HSL\_850\_190617 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.883$  S/m;  $\epsilon_r = 41.067$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(5.97, 5.97, 5.97) @ 846.6 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:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.862 W/kg

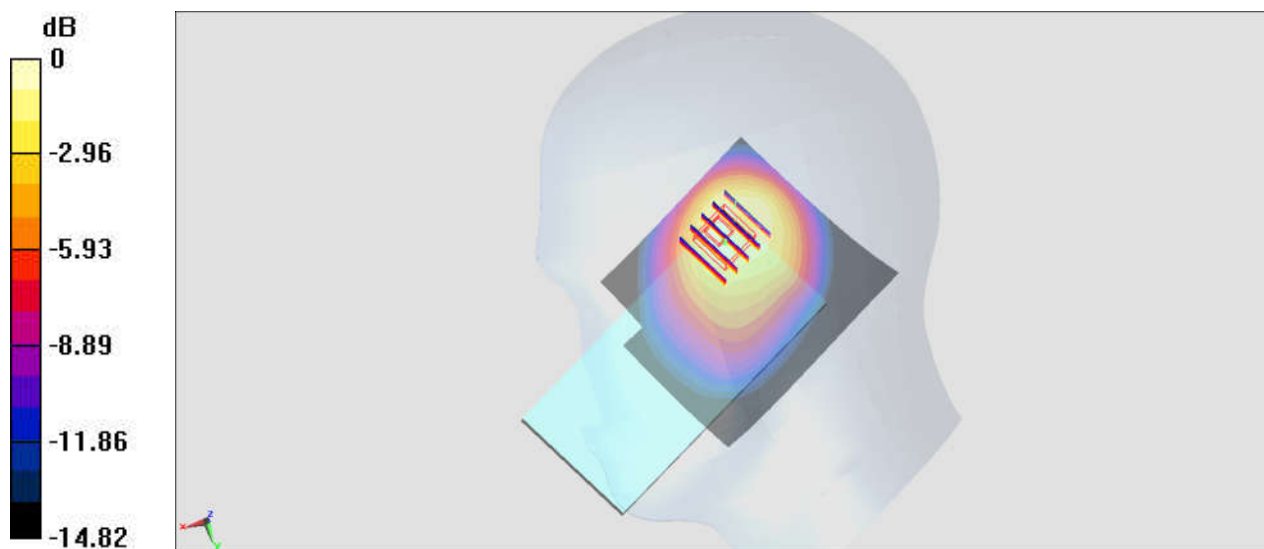
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 29.21 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 0.763 W/kg; SAR(10 g) = 0.406 W/kg**

Maximum value of SAR (measured) = 0.944 W/kg



0 dB = 0.944 W/kg = -0.25 dBW/kg

**#06\_LTE Band 4\_20M\_QPSK\_1\_0\_Left Cheek\_Ch20175**

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

Medium: HSL\_1750\_190505 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 39.76$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.1 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(5.48, 5.48, 5.48) @ 1732.5 MHz; Calibrated: 2018/5/28
- 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 (7450)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.557 W/kg

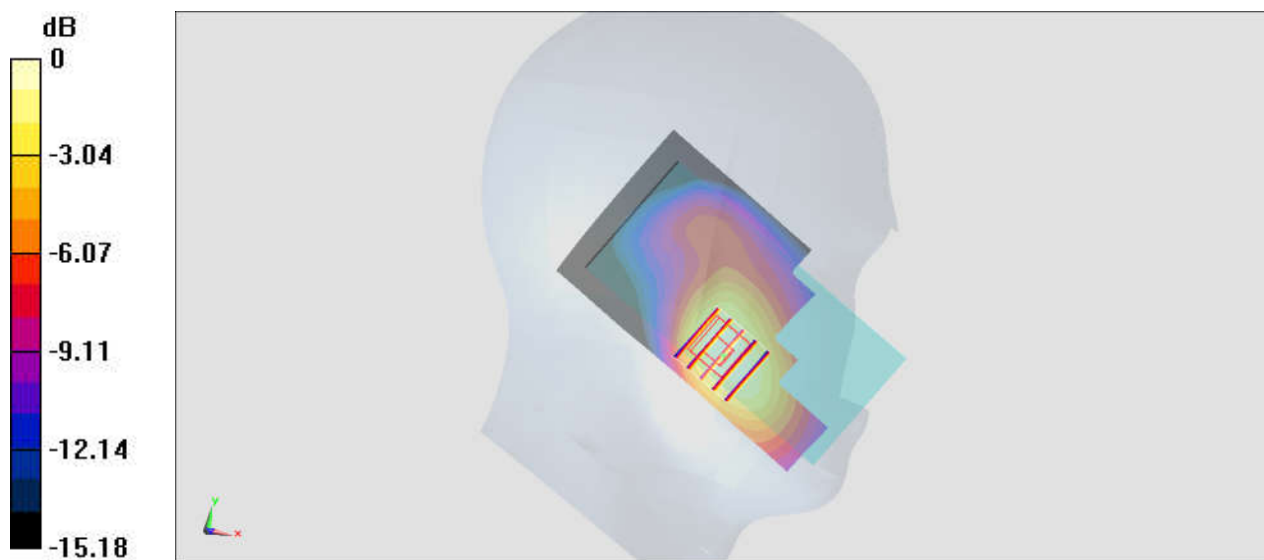
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.00 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.723 W/kg

**SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.313 W/kg**

Maximum value of SAR (measured) = 0.558 W/kg



0 dB = 0.558 W/kg = -2.53 dBW/kg

**#07\_LTE Band 7\_20M\_QPSK\_1\_99\_Left Cheek\_Ch21350**

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

Medium: HSL\_2600\_190619 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.913$  S/m;  $\epsilon_r = 39.101$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.43, 4.43, 4.43) @ 2560 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (91x141x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

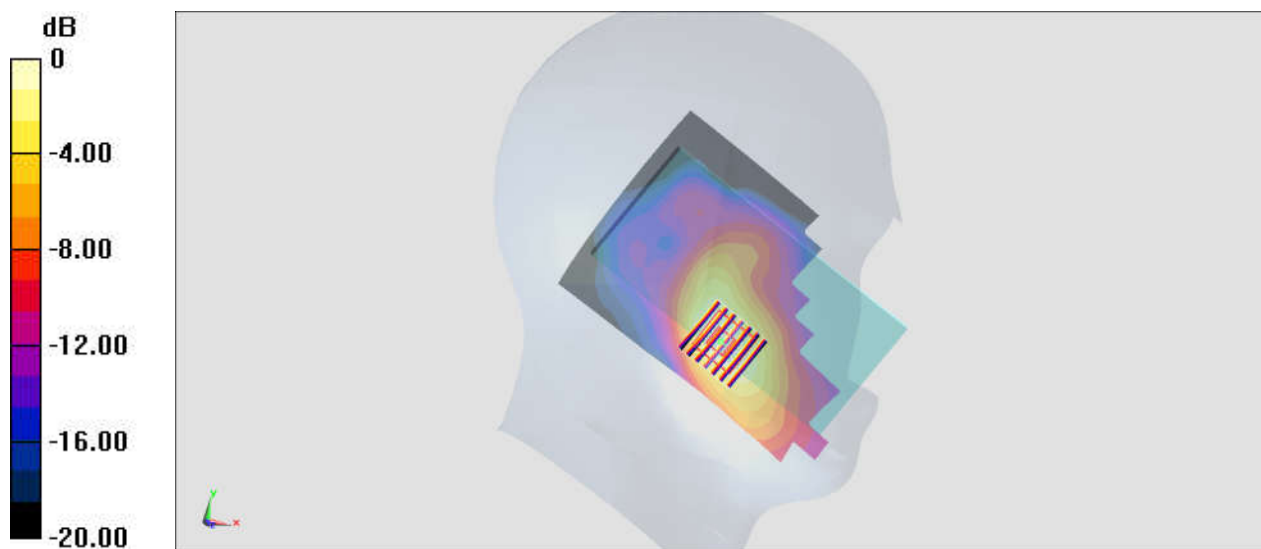
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.74 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.433 W/kg**

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



0 dB = 1.05 W/kg = 0.21 dBW/kg

**#08\_LTE Band 12\_10M\_QPSK\_50\_0\_Right Cheek\_Ch23095**

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

Medium: HSL\_750\_190617 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.85$  S/m;  $\epsilon_r = 41.112$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(6.15, 6.15, 6.15) @ 707.5 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:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

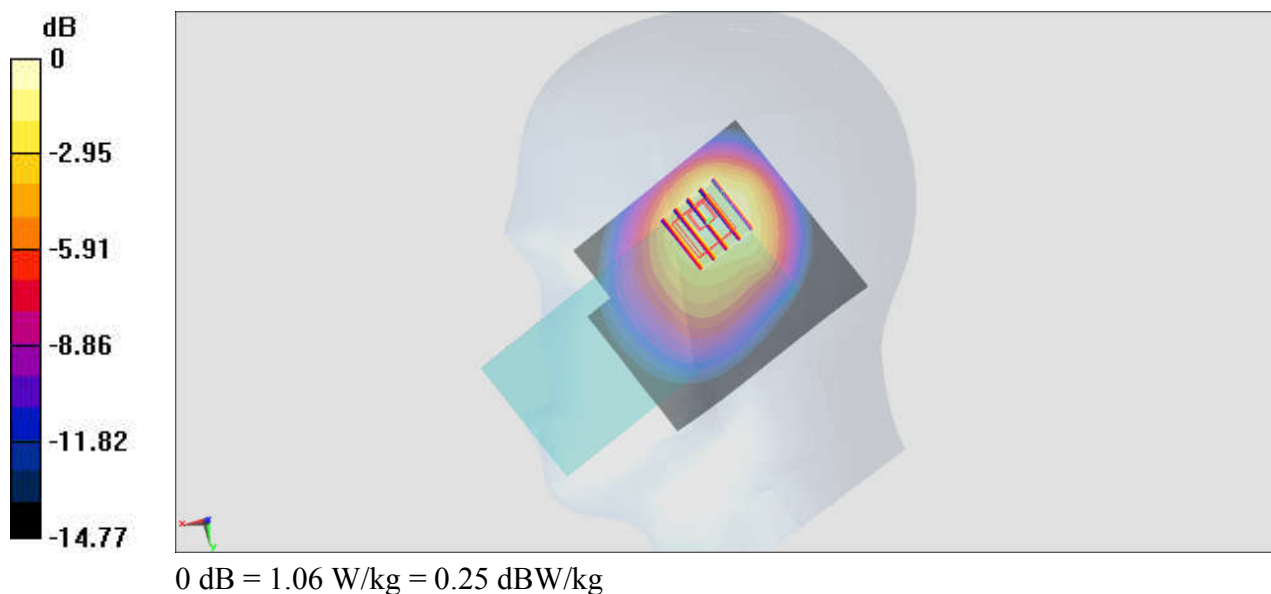
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 31.90 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.490 W/kg**

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



**#09\_LTE Band 13\_10M\_QPSK\_25\_12\_Right Cheek\_Ch23230**

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

Medium: HSL\_750\_190617 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 40.155$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(6.15, 6.15, 6.15) @ 782 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:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

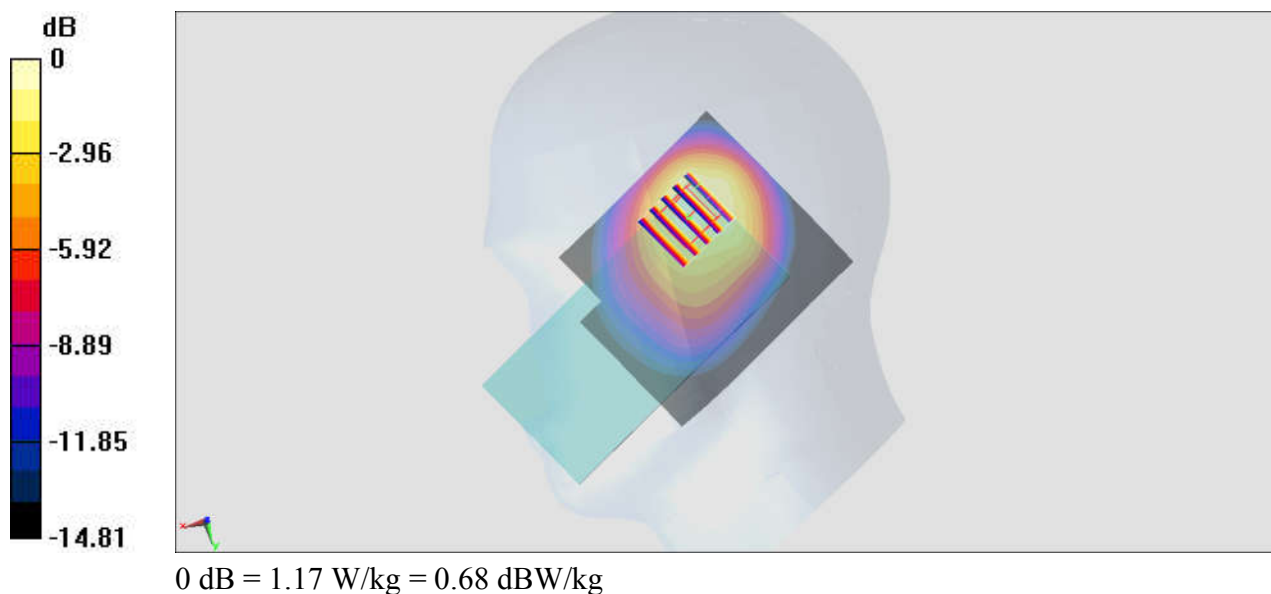
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 32.48 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.523 W/kg**

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



**#10\_LTE Band 25\_20M\_QPSK\_50\_24\_Right Tilted\_Ch26590**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_190618 Medium parameters used :  $f = 1905$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 41.118$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1905 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 (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

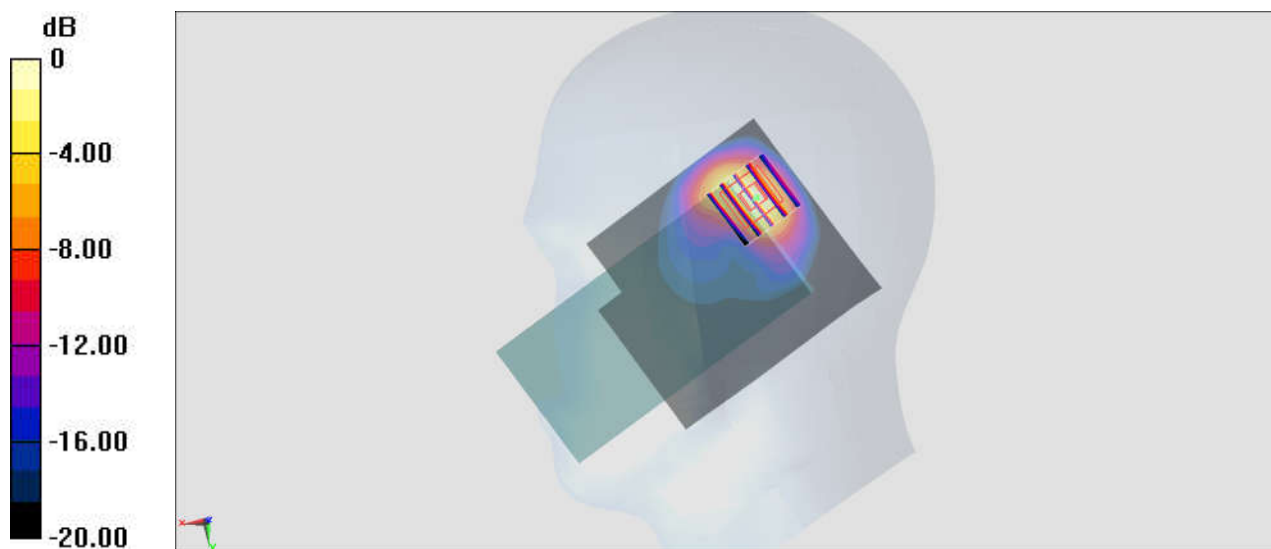
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.48 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.93 W/kg

**SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.401 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

**#11\_LTE Band 26\_15M\_QPSK\_75\_0\_Right Cheek\_Ch26865**

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

Medium: HSL\_850\_190617 Medium parameters used :  $f = 831.5$  MHz;  $\sigma = 0.868$  S/m;  $\epsilon_r = 41.268$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3124; ConvF(5.97, 5.97, 5.97) @ 831.5 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:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.11 W/kg

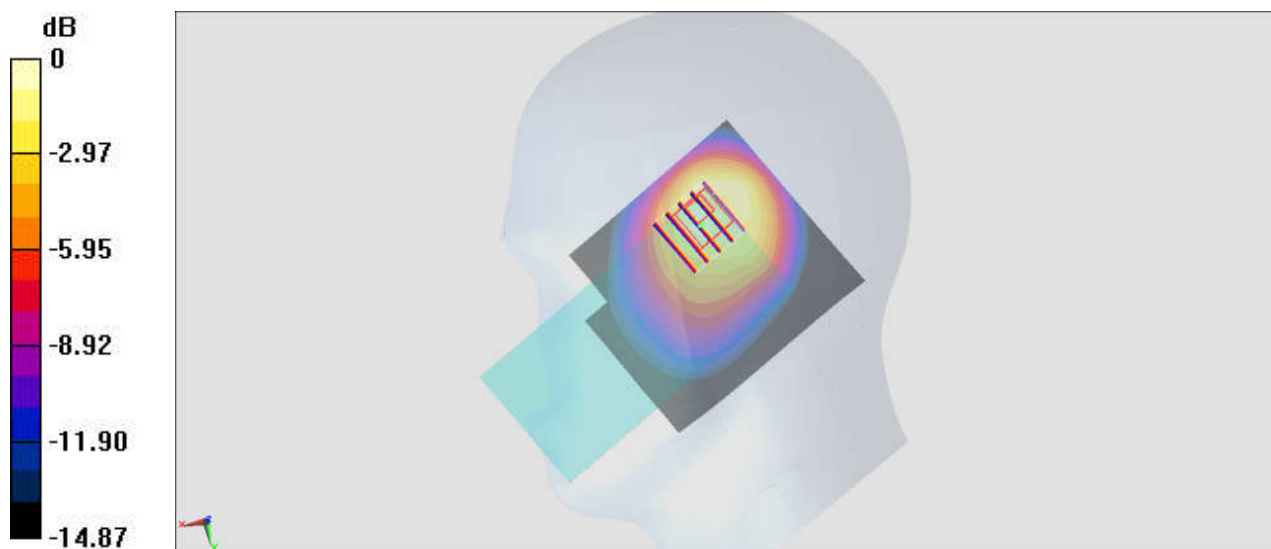
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.48 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.17 W/kg

**SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.524 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

**#12\_LTE Band 66\_20M\_QPSK\_100\_0\_Right Tilted\_Ch132572**

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

Medium: HSL\_1750\_190618 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.365$  S/m;  $\epsilon_r = 39.873$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3124; ConvF(5.18, 5.18, 5.18) @ 1770 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM-Middle; Type: SAM; Serial: 1796
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.962 W/kg

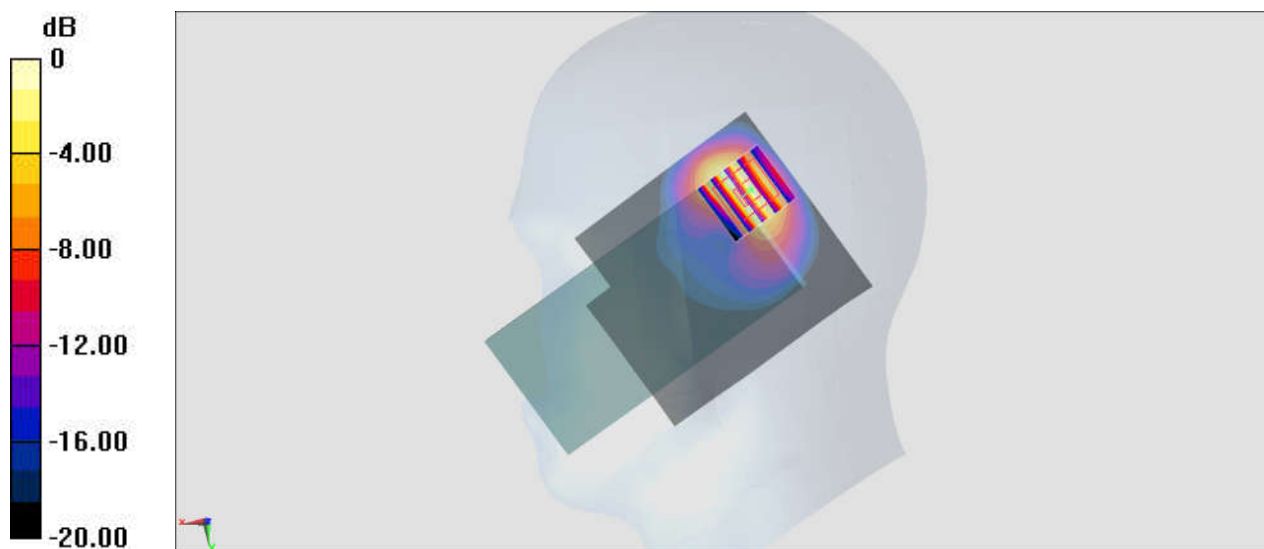
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.42 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.407 W/kg**

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



0 dB = 1.18 W/kg = 0.72 dBW/kg

**#13\_LTE Band 71\_20M\_QPSK\_1\_0\_Right Cheek\_Ch133297**

Communication System: LTE; Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_190607 Medium parameters used:  $f = 680.5$  MHz;  $\sigma = 0.857$  S/m;  $\epsilon_r = 41.744$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3124; ConvF(6.15, 6.15, 6.15) @ 680.5 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:1431
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

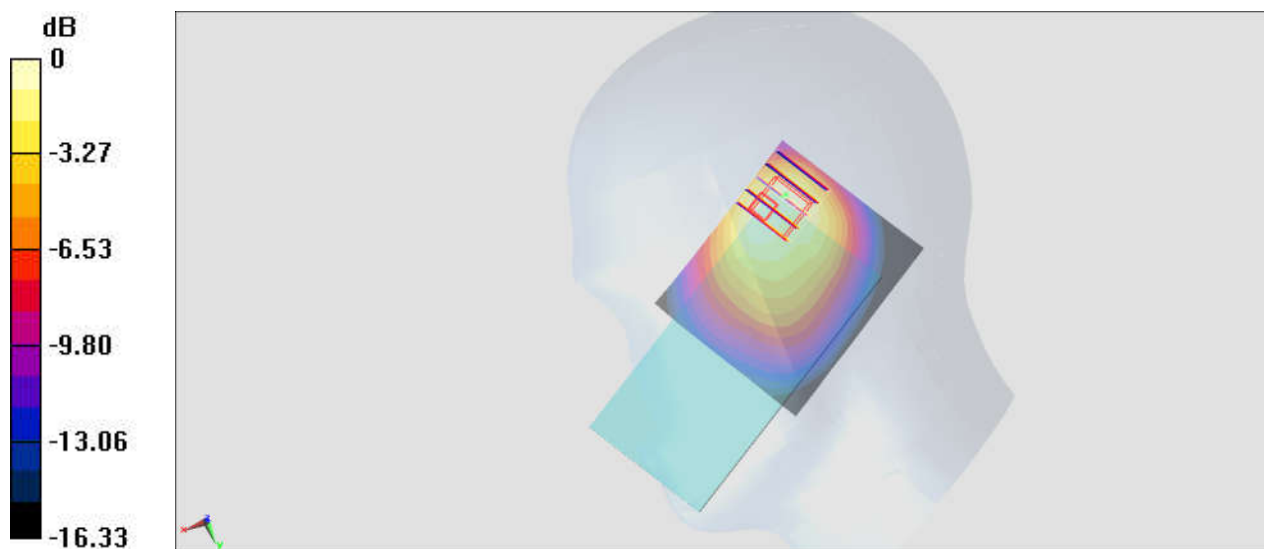
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.09 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.12 W/kg

**SAR(1 g) = 0.925 W/kg; SAR(10 g) = 0.536 W/kg**

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dBW/kg

**#14\_LTE Band 41\_20M\_QPSK\_1\_0\_Right Cheek\_Ch39750**

Communication System: LTE; Frequency: 2506 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_190619 Medium parameters used:  $f = 2506$  MHz;  $\sigma = 1.856$  S/m;  $\epsilon_r = 39.28$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(4.43, 4.43, 4.43) @ 2506 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 1.22 W/kg

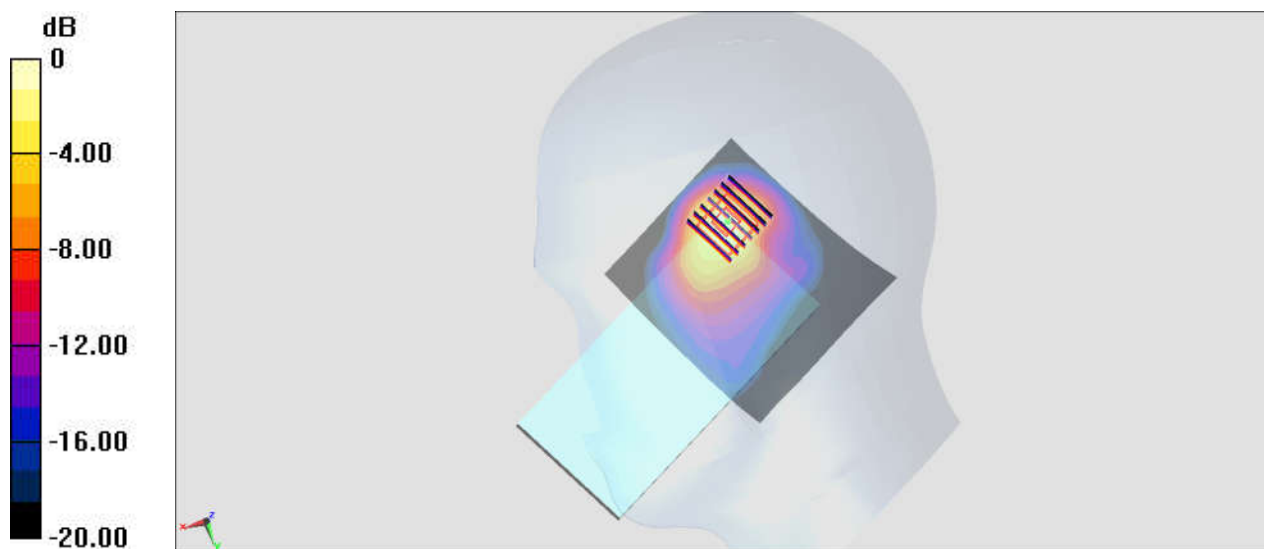
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.95 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.09 W/kg

**SAR(1 g) = 0.864 W/kg; SAR(10 g) = 0.388 W/kg**

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



0 dB = 1.15 W/kg = 0.61 dBW/kg

**#15\_WLAN2.4GHz\_802.11b 1Mbps\_Right Cheek\_Ch1;Ant 2+3**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.008

Medium: HSL\_2450\_190701 Medium parameters used :  $f = 2412$  MHz;  $\sigma = 1.748$  S/m;  $\epsilon_r = 40.06$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(7.42, 7.42, 7.42) @ 2412 MHz; Calibrated: 2018/10/3

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn360; Calibrated: 2018/10/29

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

Maximum value of SAR (interpolated) = 0.937 W/kg

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

Reference Value = 14.29 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.237 W/kg**

Maximum value of SAR (measured) = 0.785 W/kg

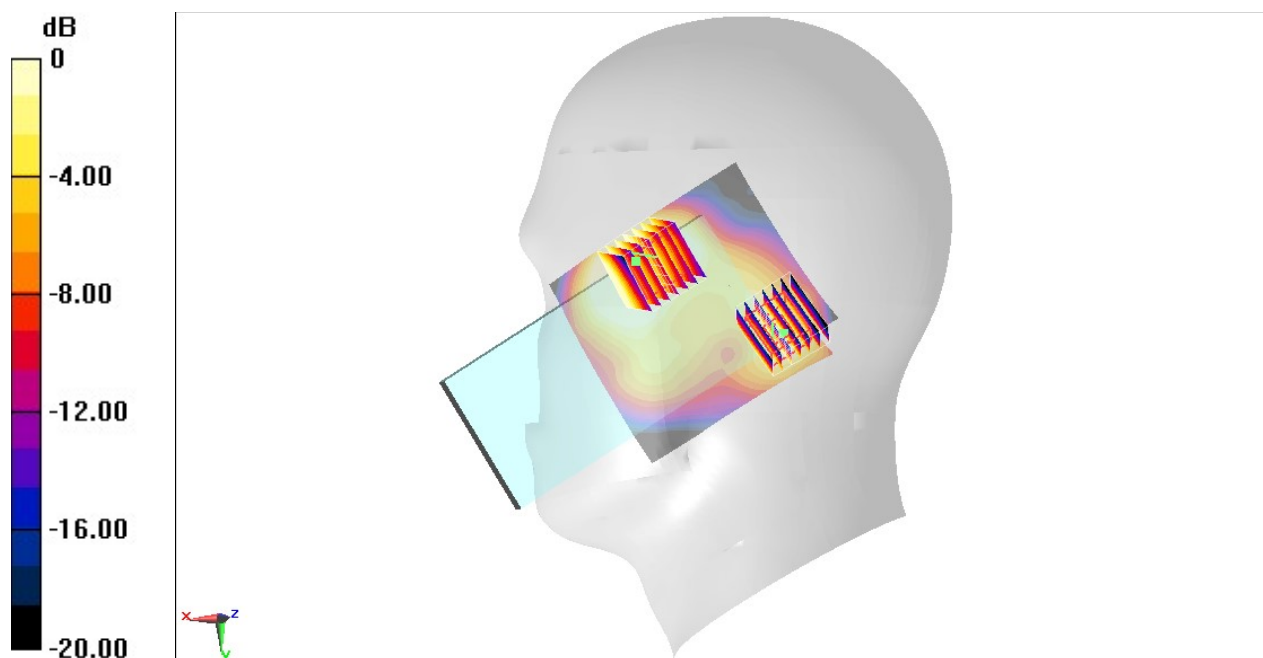
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.29 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.064 W/kg**

Maximum value of SAR (measured) = 0.202 W/kg



**#16\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch58;Ant 2+5**

Communication System: 802.11ac ; Frequency: 5290 MHz;Duty Cycle: 1:1.085

Medium: HSL\_5G\_190627 Medium parameters used :  $f = 5290$  MHz;  $\sigma = 4.637$  S/m;  $\epsilon_r = 35.887$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515;ConvF(5.45, 5.45, 5.45) @ 5290 MHz;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- 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 (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.957 W/kg

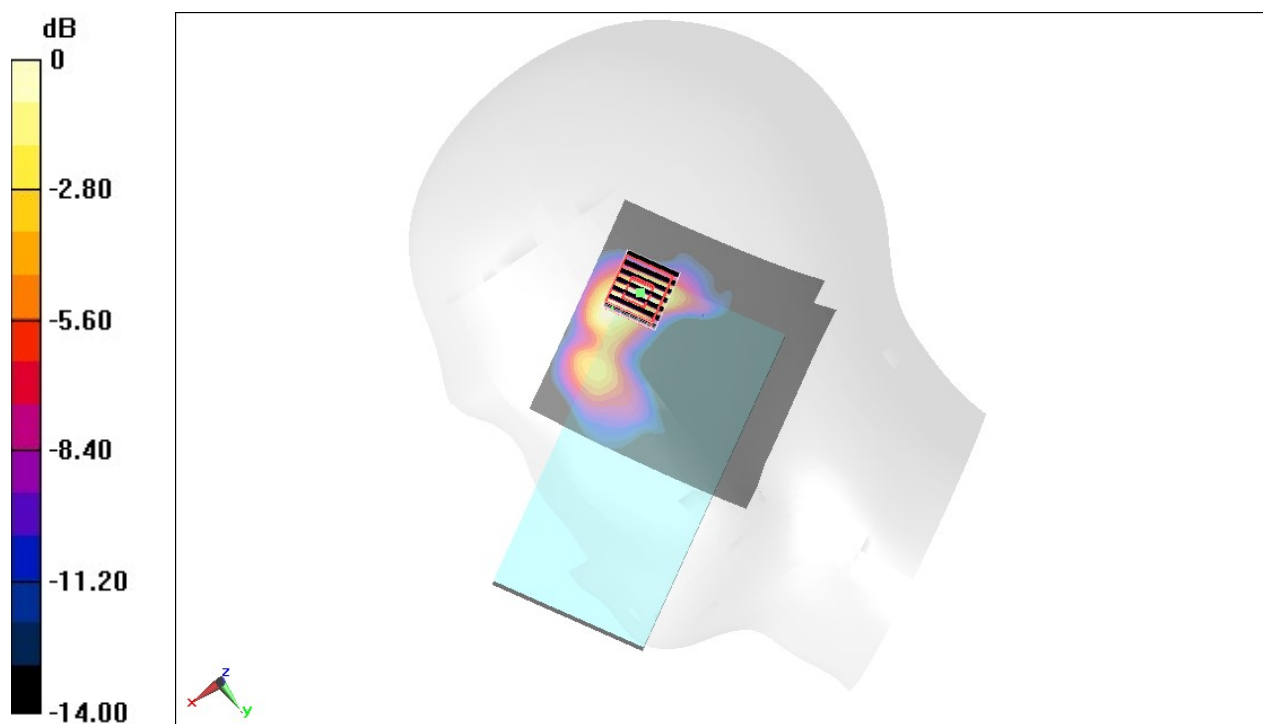
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 10.84 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.115 W/kg**

Maximum value of SAR (measured) = 0.892 W/kg



0 dB = 0.892 W/kg = -0.50 dBW/kg

**#17\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch122;Ant 2**

Communication System: 802.11ac ; Frequency: 5610 MHz;Duty Cycle: 1:1.091

Medium: HSL\_5G\_190627 Medium parameters used :  $f = 5610$  MHz;  $\sigma = 4.951$  S/m;  $\epsilon_r = 35.447$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515;ConvF(4.83, 4.83, 4.83) @ 5610 MHz;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- 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 (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.836 W/kg

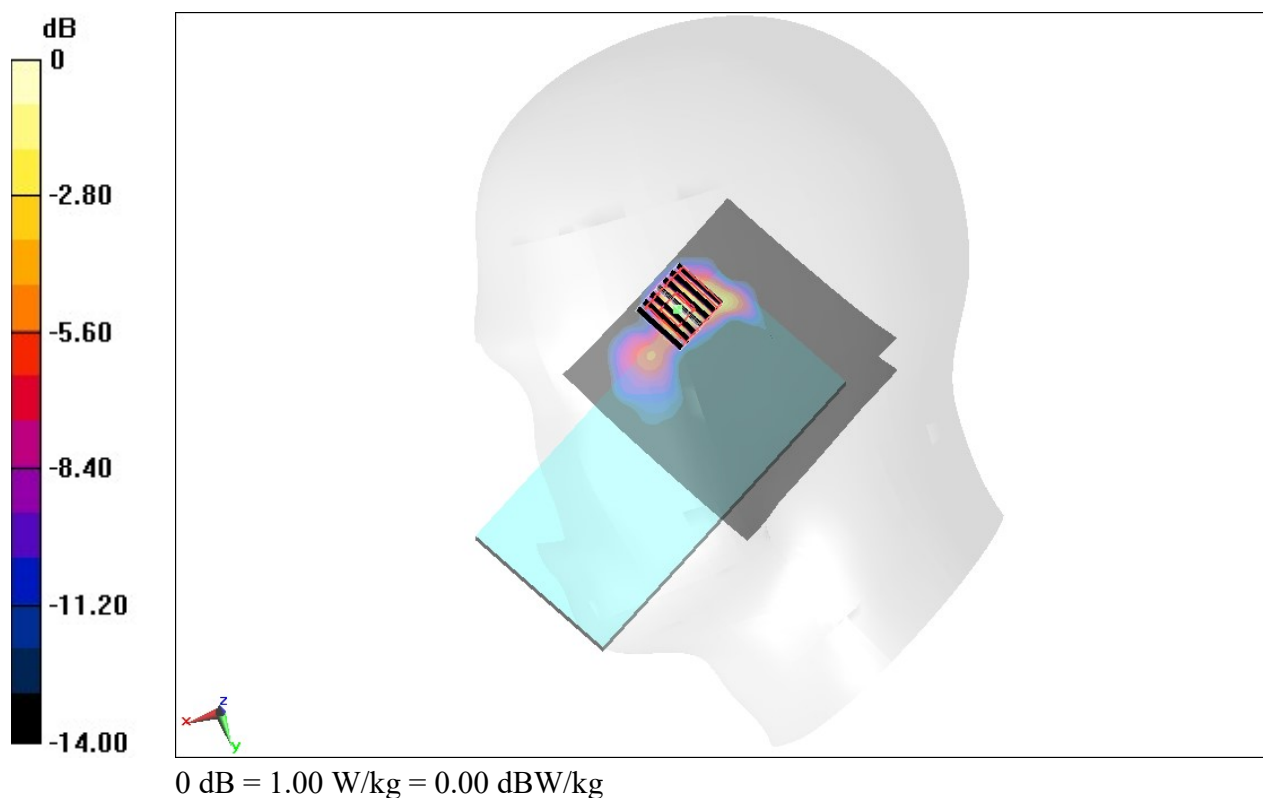
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 8.120 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 1.00 W/kg



**#18\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch155;Ant 2**

Communication System: 802.11ac ; Frequency: 5775 MHz;Duty Cycle: 1:1.091

Medium: HSL\_5G\_190627 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.137$  S/m;  $\epsilon_r = 35.236$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515;ConvF(4.95, 4.95, 4.95) @ 5775 MHz;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- 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 (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.660 W/kg

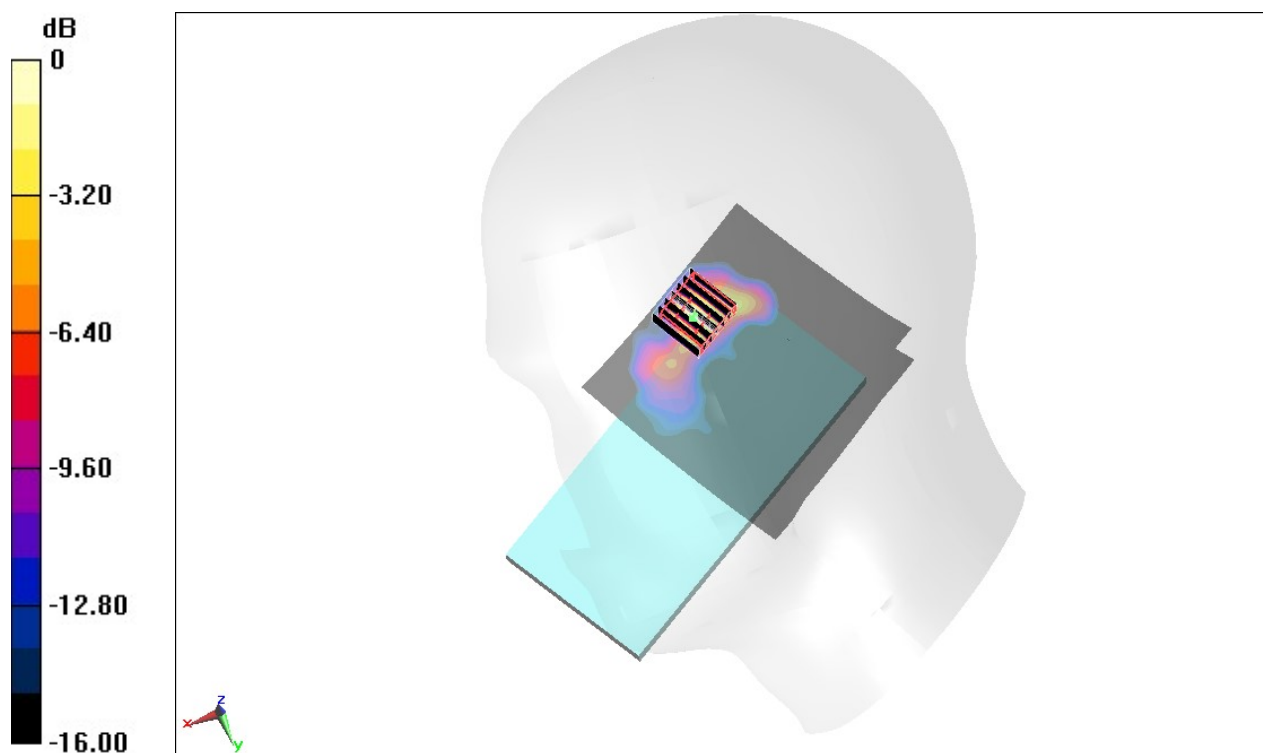
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 6.010 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.762 W/kg



0 dB = 0.762 W/kg = -1.18 dBW/kg

**#19\_Bluetooth\_1Mbps\_Right Cheek\_Ch39;Ant 2**

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

Medium: HSL\_2450\_190701 Medium parameters used :  $f = 2441$  MHz;  $\sigma = 1.778$  S/m;  $\epsilon_r = 39.952$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(7.42, 7.42, 7.42) @ 2441 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- 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 (81x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.237 W/kg

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

Reference Value = 7.791 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.079 W/kg; SAR(10 g) = 0.037 W/kg**

Maximum value of SAR (measured) = 0.130 W/kg

