

**#01\_GSM850\_GPRS (3 Tx slots)\_Right Cheek\_Ch251**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:2.77

Medium: HSL\_850\_200223 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.907$  S/m;  $\epsilon_r = 42.217$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(10.18, 10.18, 10.18) @ 848.8 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x101x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.281 W/kg

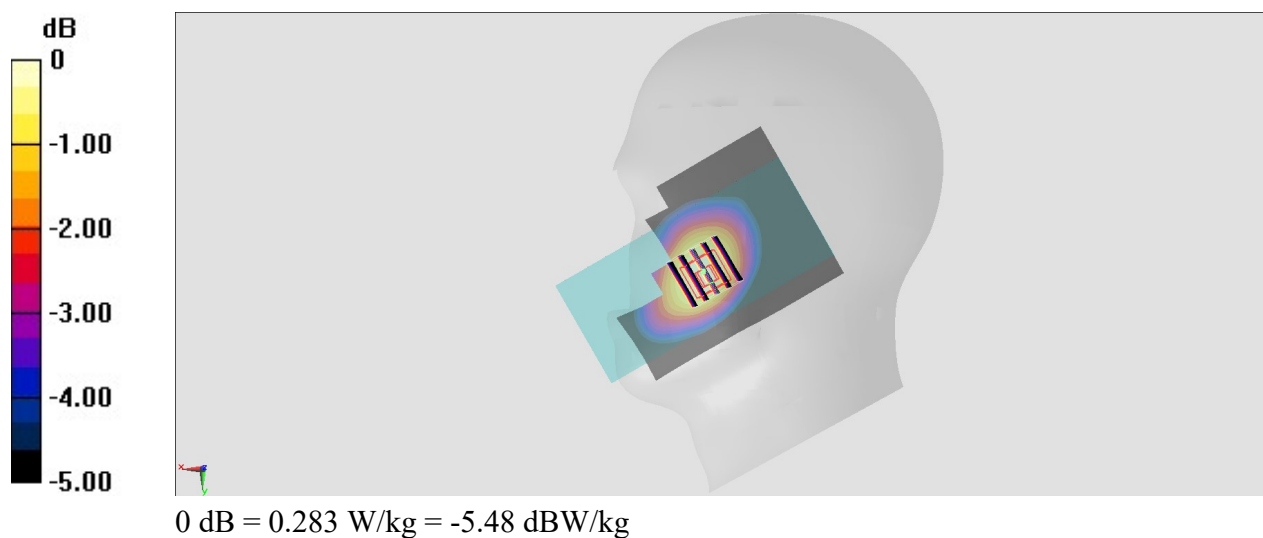
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.75 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.342 W/kg

**SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.192 W/kg**

Maximum value of SAR (measured) = 0.283 W/kg



**#02\_GSM1900\_GPRS (2 Tx slots)\_Left Cheek\_Ch810**

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

Medium: HSL\_1900\_200225 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 38.967$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(8.46, 8.46, 8.46) @ 1909.8 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x101x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.157 W/kg

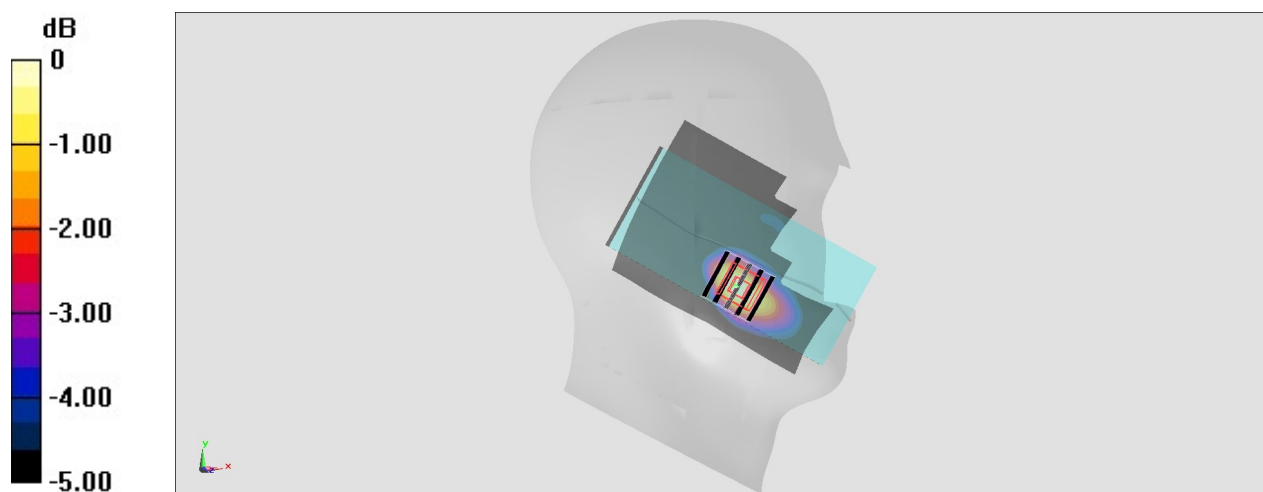
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.299 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.221 W/kg

**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.077 W/kg**

Maximum value of SAR (measured) = 0.157 W/kg



0 dB = 0.157 W/kg = -8.04 dBW/kg

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

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

Medium: HSL\_1900\_200220 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.425$  S/m;  $\epsilon_r = 38.994$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(8.46, 8.46, 8.46) @ 1880 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.154 W/kg

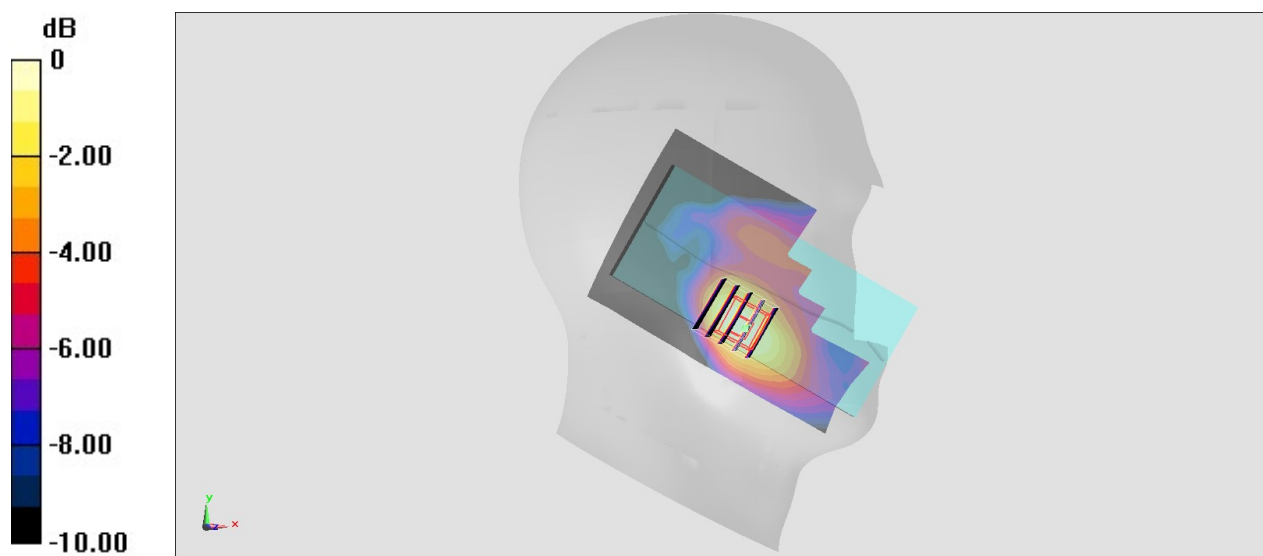
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.072 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.219 W/kg

**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.080 W/kg**

Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.156 W/kg = -8.07 dBW/kg

**#04\_WCDMA IV\_RMC 12.2Kbps\_Left Cheek\_Ch1413**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_200225 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 40.619$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(8.84, 8.84, 8.84) @ 1732.6 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.140 W/kg

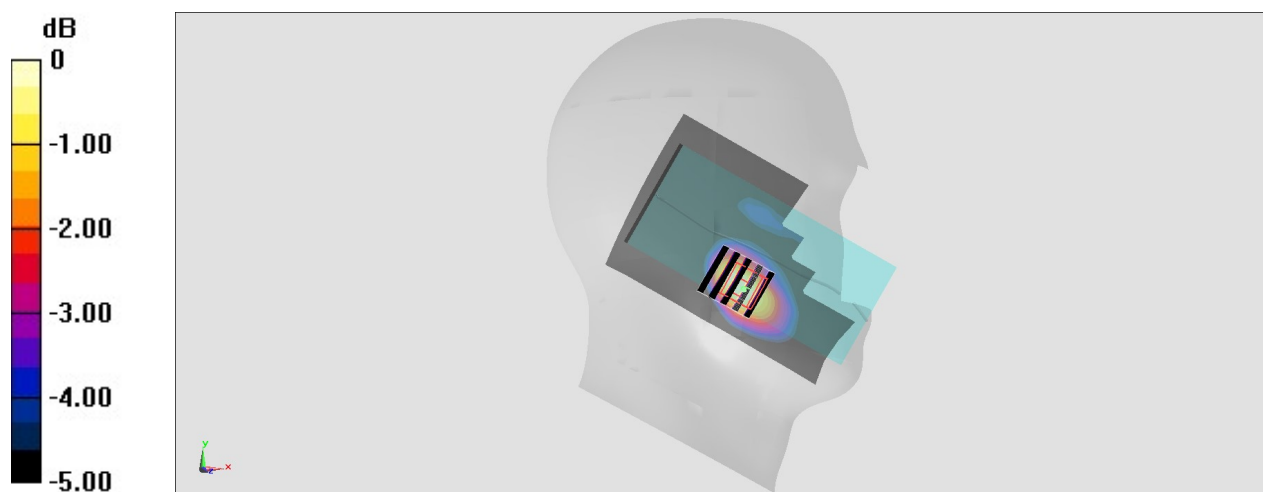
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.943 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.199 W/kg

**SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.072 W/kg**

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg = -8.48 dBW/kg

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

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

Medium: HSL\_850\_200223 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.896$  S/m;  $\epsilon_r = 42.057$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(10.18, 10.18, 10.18) @ 836.4 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.174 W/kg

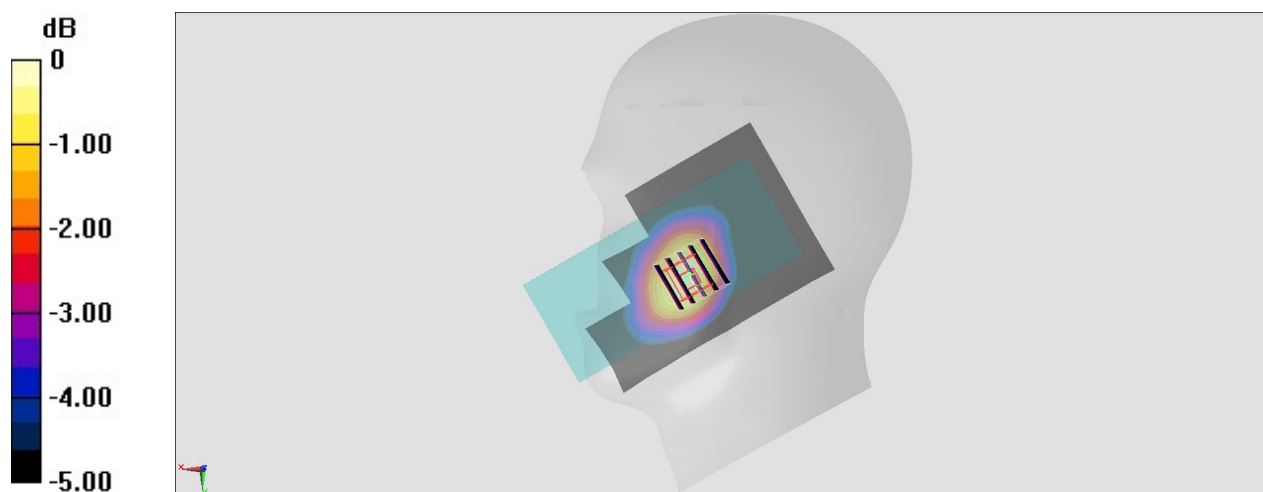
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.75 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.223 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.177 W/kg



0 dB = 0.177 W/kg = -7.52 dBW/kg

**#06\_CDMA BC0\_1xRTT RC3 SO55 \_Right Cheek\_Ch384**

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

Medium: HSL\_850\_200223 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.907$  S/m;  $\epsilon_r = 42.031$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(10.18, 10.18, 10.18) @ 836.52 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.444 W/kg

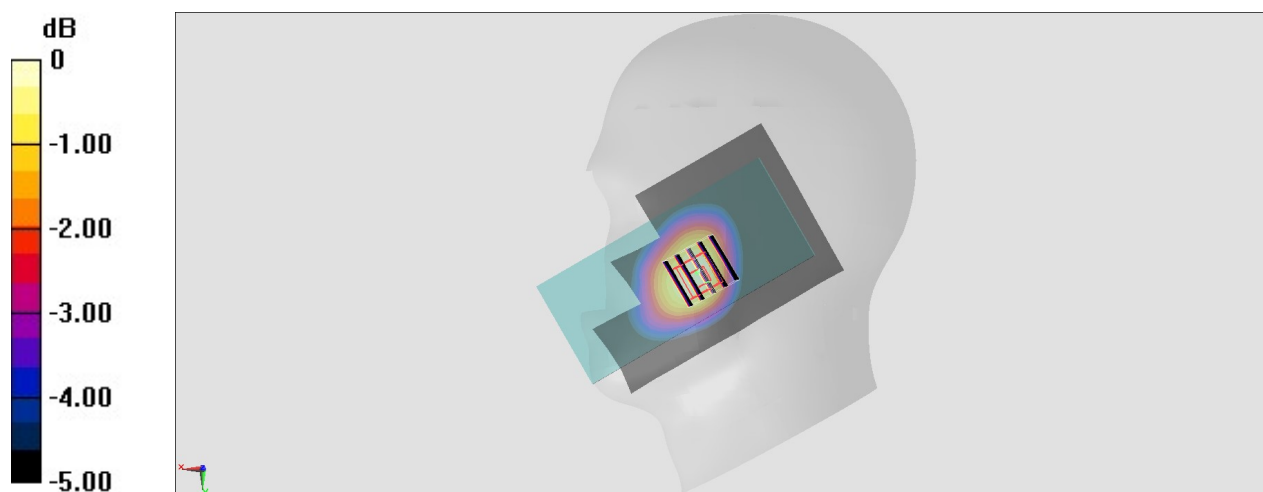
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.73 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.566 W/kg

**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.279 W/kg**

Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg = -3.63 dBW/kg

**#07\_CDMA BC1\_1xRTT RC3 SO55 \_Left Cheek\_Ch1175**

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

Medium: HSL\_1900\_200225 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.429$  S/m;  $\epsilon_r = 38.973$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(8.46, 8.46, 8.46) @ 1908.75 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

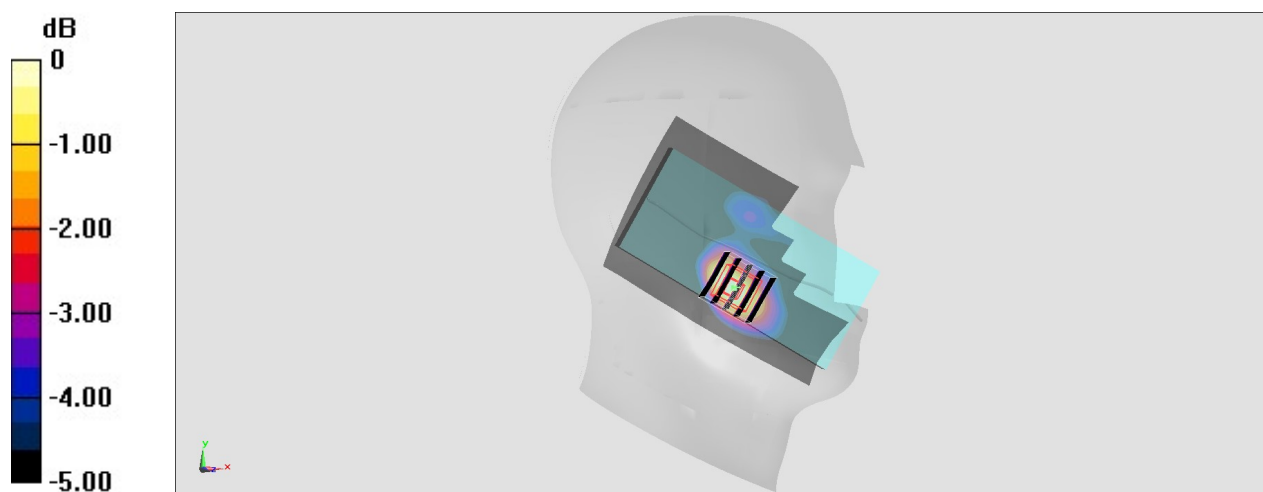
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.37 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.327 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.120 W/kg**

Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg = -6.23 dBW/kg

**#08\_LTE Band 7\_20M\_QPSK\_1\_99\_Left Tilted\_Ch21350**

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

Medium: HSL\_2600\_200219 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.94$  S/m;  $\epsilon_r = 39.549$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(7.43, 7.43, 7.43) @ 2560 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (91x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.0835 W/kg

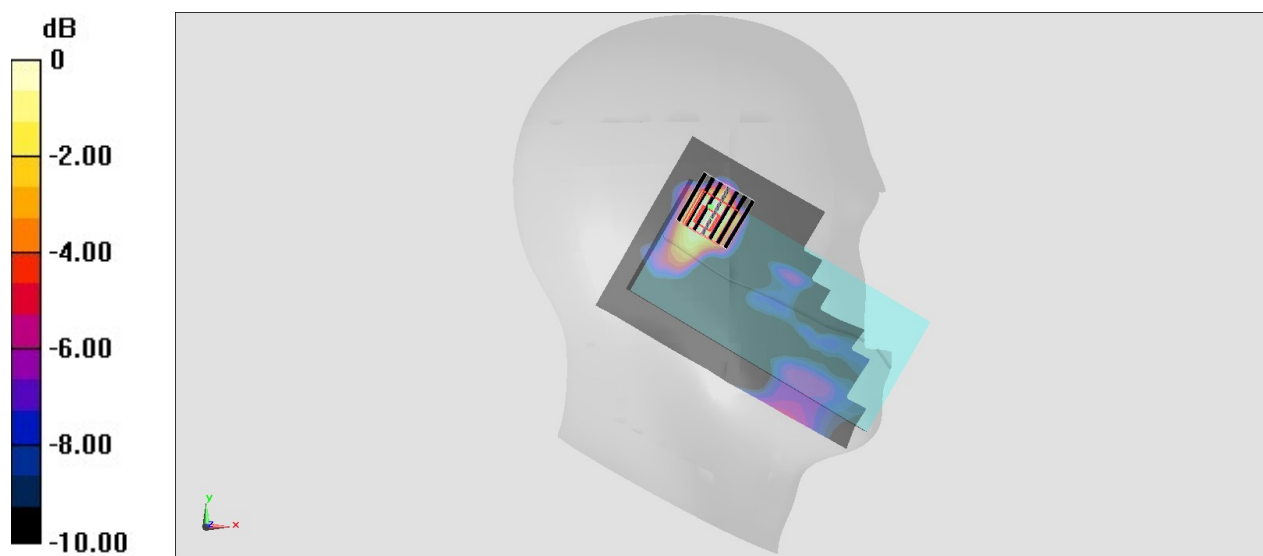
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.171 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.125 W/kg

**SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0754 W/kg



0 dB = 0.0754 W/kg = -11.23 dBW/kg

**#09\_LTE Band 12\_10M\_QPSK\_25\_0\_Right Cheek\_Ch23095**

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

Medium: HSL\_750\_200220 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: EX3DV4 - SN3925; ConvF(10.39, 10.39, 10.39) @ 707.5 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.207 W/kg

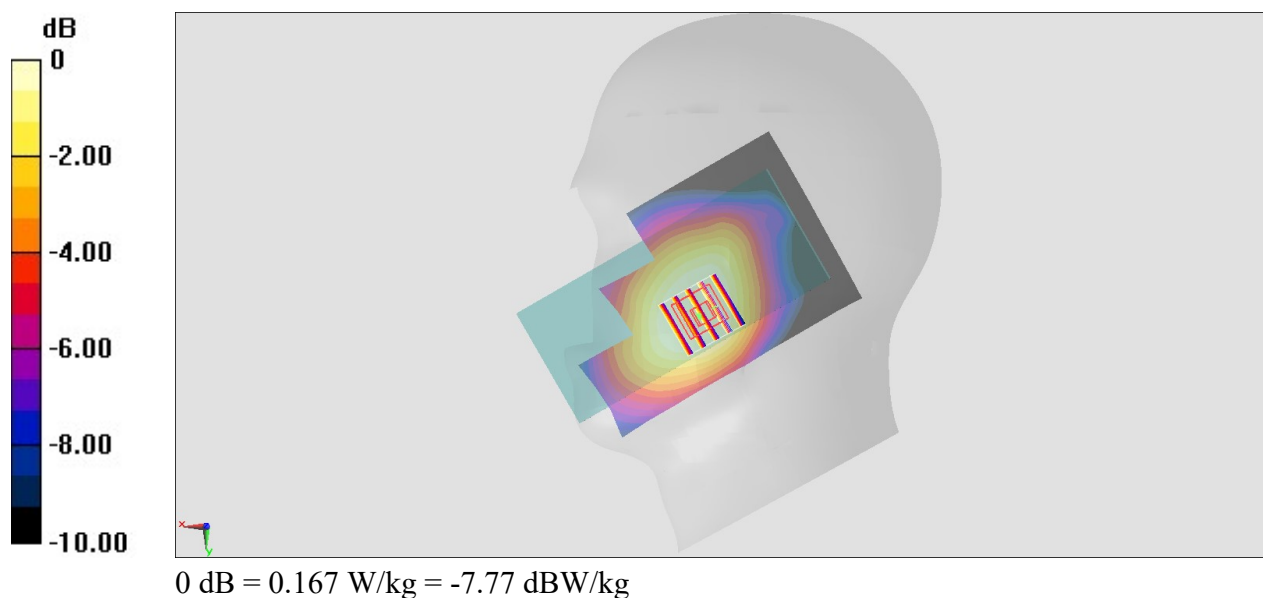
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.99 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.210 W/kg

**SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.110 W/kg**

Maximum value of SAR (measured) = 0.167 W/kg



**#10\_LTE Band 13\_10M\_QPSK\_1\_0\_Left Cheek\_Ch23230**

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

Medium: HSL\_750\_200220 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 42.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(10.39, 10.39, 10.39) @ 782 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.268 W/kg

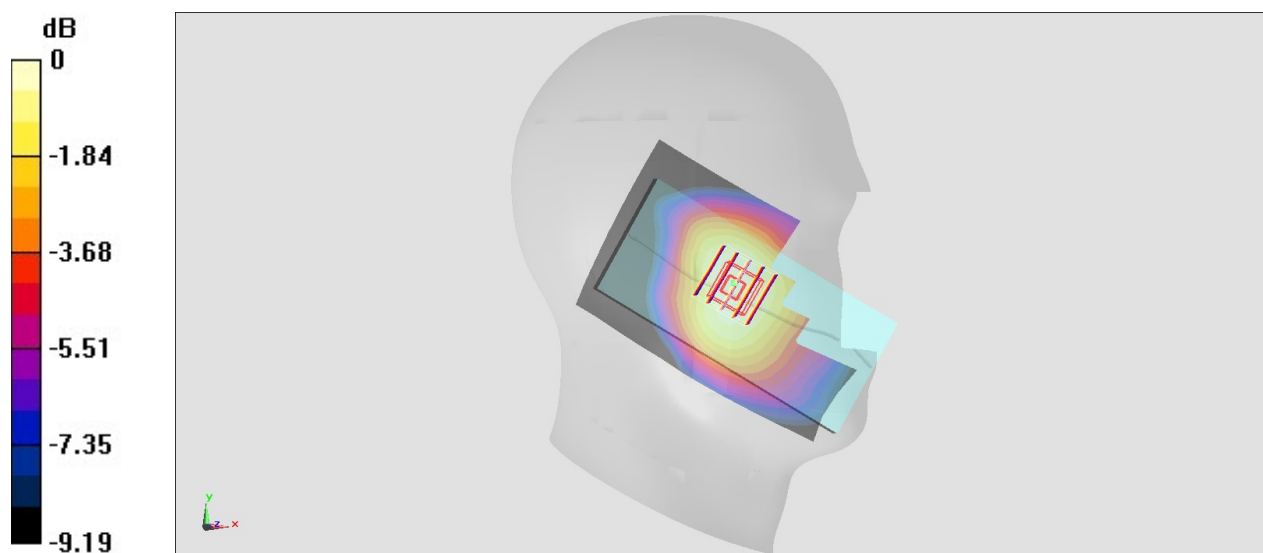
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.72 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.316 W/kg

**SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.178 W/kg**

Maximum value of SAR (measured) = 0.264 W/kg



0 dB = 0.264 W/kg = -5.78 dBW/kg

**#11\_LTE Band 25\_20M\_QPSK\_50\_0\_Left Cheek\_Ch26590**

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

Medium: HSL\_1900\_200220 Medium parameters used :  $f = 1905$  MHz;  $\sigma = 1.452$  S/m;  $\epsilon_r = 38.875$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(8.46, 8.46, 8.46) @ 1905 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

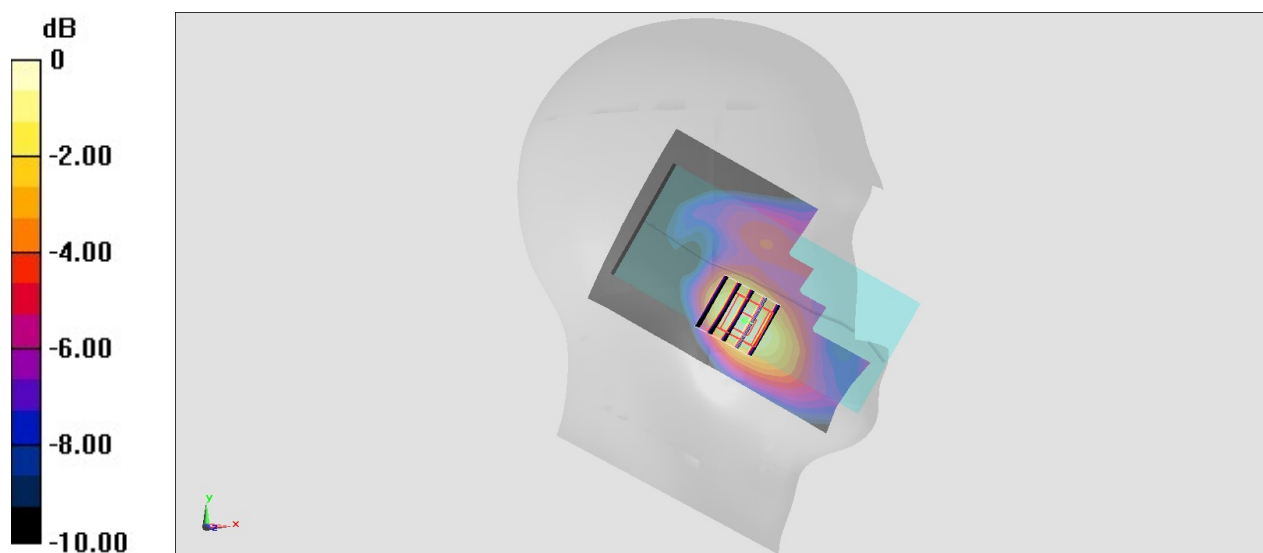
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.12 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.266 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.187 W/kg



0 dB = 0.187 W/kg = -7.28 dBW/kg

**#12\_LTE Band 26\_15M\_QPSK\_1\_74\_Right Cheek\_Ch26865**

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

Medium: HSL\_850\_200219 Medium parameters used :  $f = 831.5$  MHz;  $\sigma = 0.866$  S/m;  $\epsilon_r = 42.534$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(10.18, 10.18, 10.18) @ 831.5 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.215 W/kg

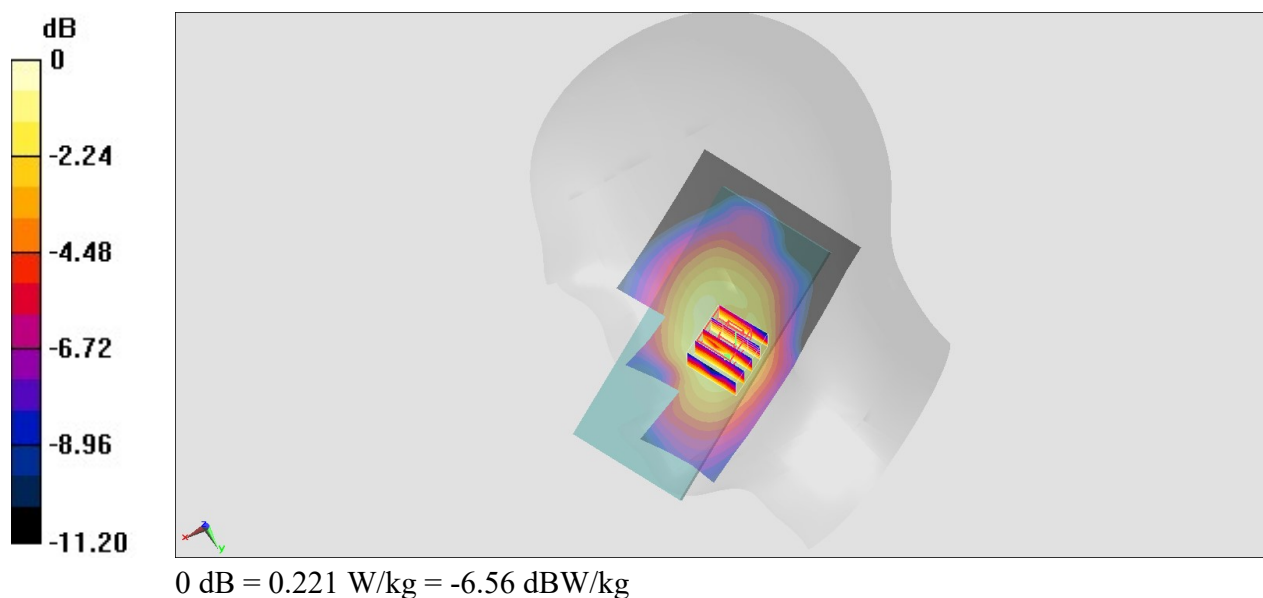
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.13 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.253 W/kg

**SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.221 W/kg



**#13\_LTE Band 30\_10M\_QPSK\_1\_0\_Left Cheek\_Ch27710**

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

Medium: HSL\_2300\_200221 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.718$  S/m;  $\epsilon_r = 39.885$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(7.97, 7.97, 7.97) @ 2310 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (91x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.0526 W/kg

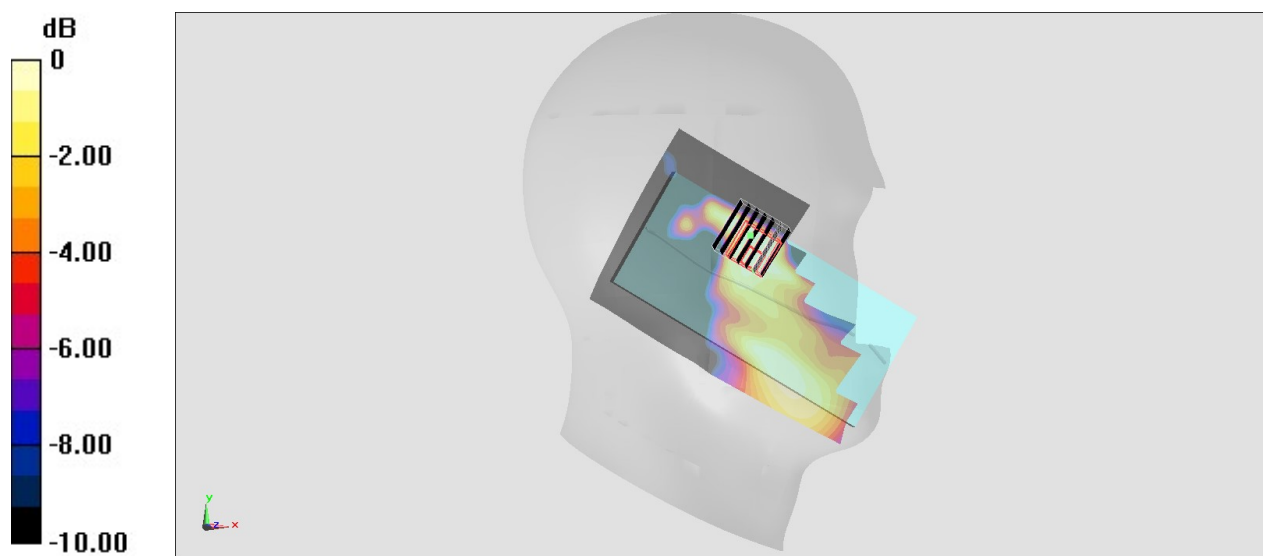
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.504 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0530 W/kg

**SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.011 W/kg**

Maximum value of SAR (measured) = 0.0385 W/kg



0 dB = 0.0385 W/kg = -14.15 dBW/kg

**#14\_LTE Band 66\_20M\_QPSK\_1\_0\_Left Cheek\_Ch132322**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_200222 Medium parameters used :  $f = 1745$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 40.855$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(8.84, 8.84, 8.84) @ 1745 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.156 W/kg

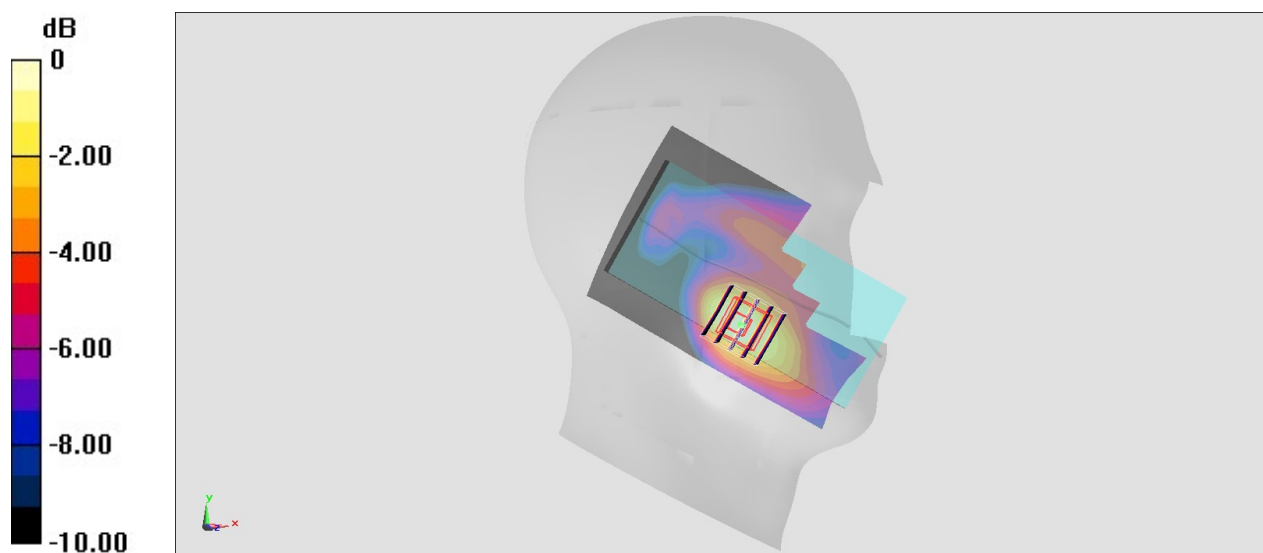
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.711 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.215 W/kg

**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.081 W/kg**

Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg = -7.96 dBW/kg

**#15\_LTE Band 71\_20M\_QPSK\_1\_0\_Right Cheek\_Ch133322**

Communication System: LTE; Frequency: 683 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_200221 Medium parameters used:  $f = 683$  MHz;  $\sigma = 0.874$  S/m;  $\epsilon_r = 43.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(10.39, 10.39, 10.39) @ 683 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.145 W/kg

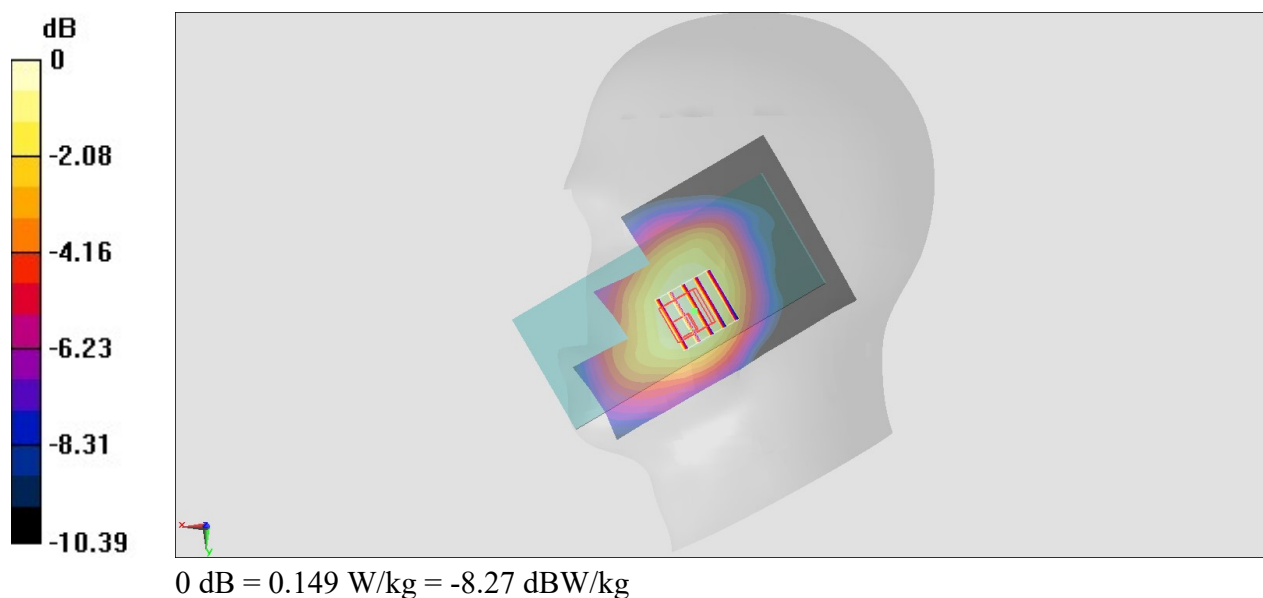
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.65 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.149 W/kg



**#16\_LTE Band 41\_20M\_QPSK\_1\_99\_Right Cheek\_Ch41490**

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

Medium: HSL\_2600\_200222 Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.068$  S/m;  $\epsilon_r = 38.144$ ;

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

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3925; ConvF(7.43, 7.43, 7.43) @ 2680 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; 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 (81x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.0459 W/kg

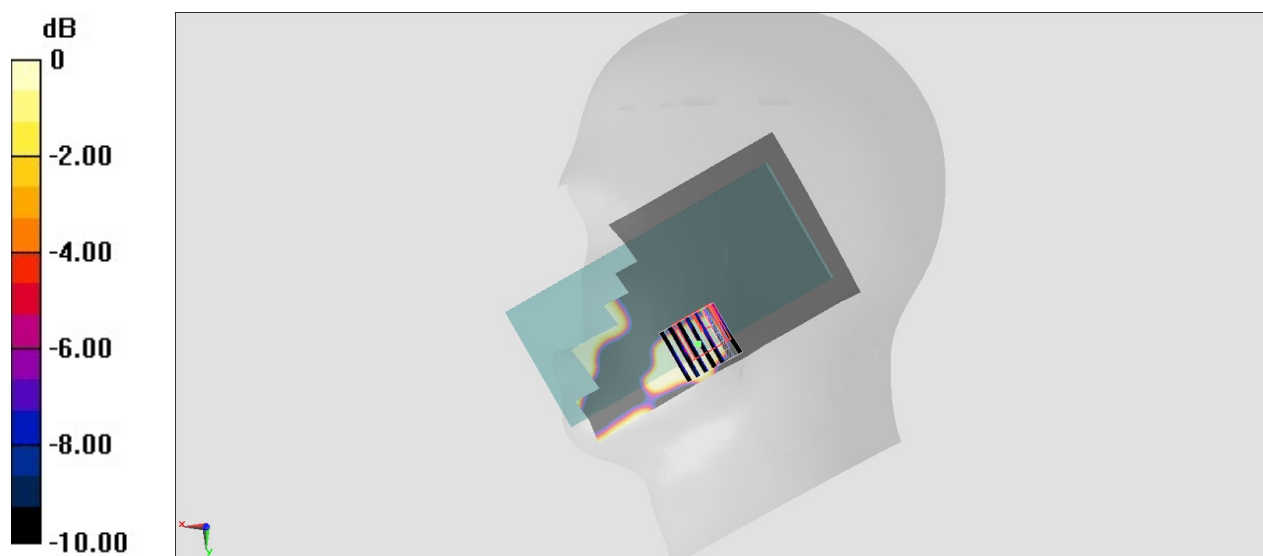
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.038 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0220 W/kg

**SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00344 W/kg**

Maximum value of SAR (measured) = 0.0175 W/kg



0 dB = 0.0175 W/kg = -17.57 dBW/kg

**#17\_FR1 n5\_20M\_PI/2 BPSK\_1\_1\_Right Cheek\_Ch167300**

Communication System: LTE ; Frequency: 837 MHz;Duty Cycle: 1:1

Medium: HSL\_850\_200226 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 43.398$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(9.51, 9.51, 9.51) @ 837 MHz; Calibrated: 2020/2/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; 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 (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.221 W/kg

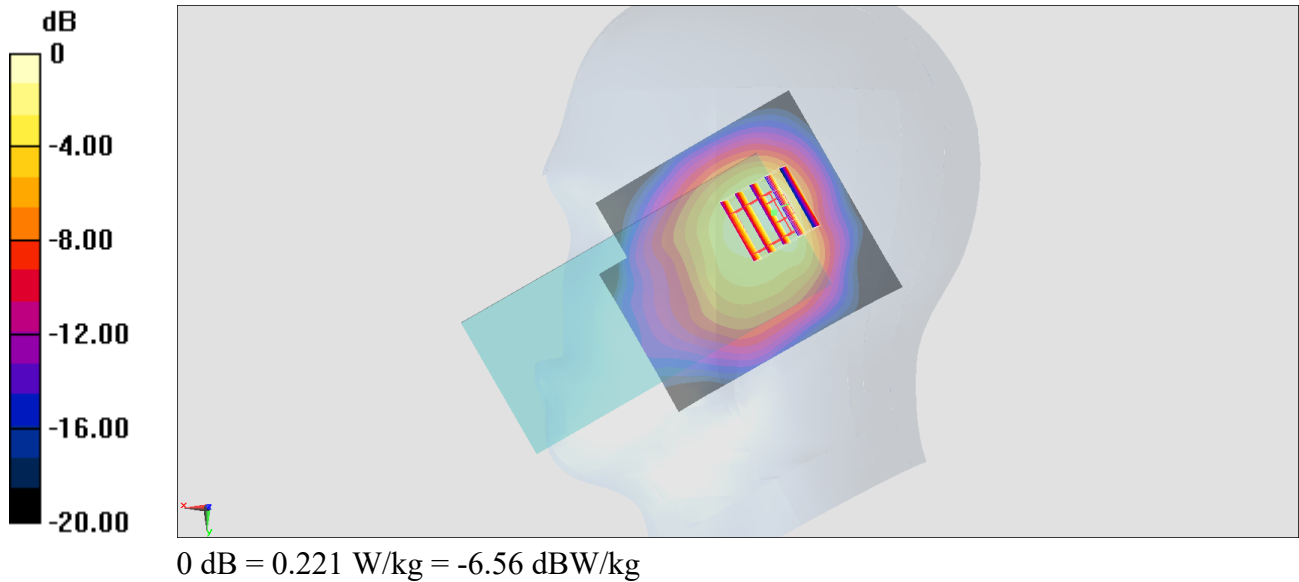
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.38 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.246 W/kg

**SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.072 W/kg**

Maximum value of SAR (measured) = 0.182 W/kg



**#19\_FR1 n66\_20M\_PI/2 BPSK\_1\_1\_Right Tilted\_Ch349000**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_200225 Medium parameters used :  $f = 1745$  MHz;  $\sigma = 1.381$  S/m;  $\epsilon_r = 40.713$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(8.06, 8.06, 8.06) @ 1745 MHz; Calibrated: 2020/2/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; 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 (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.594 W/kg

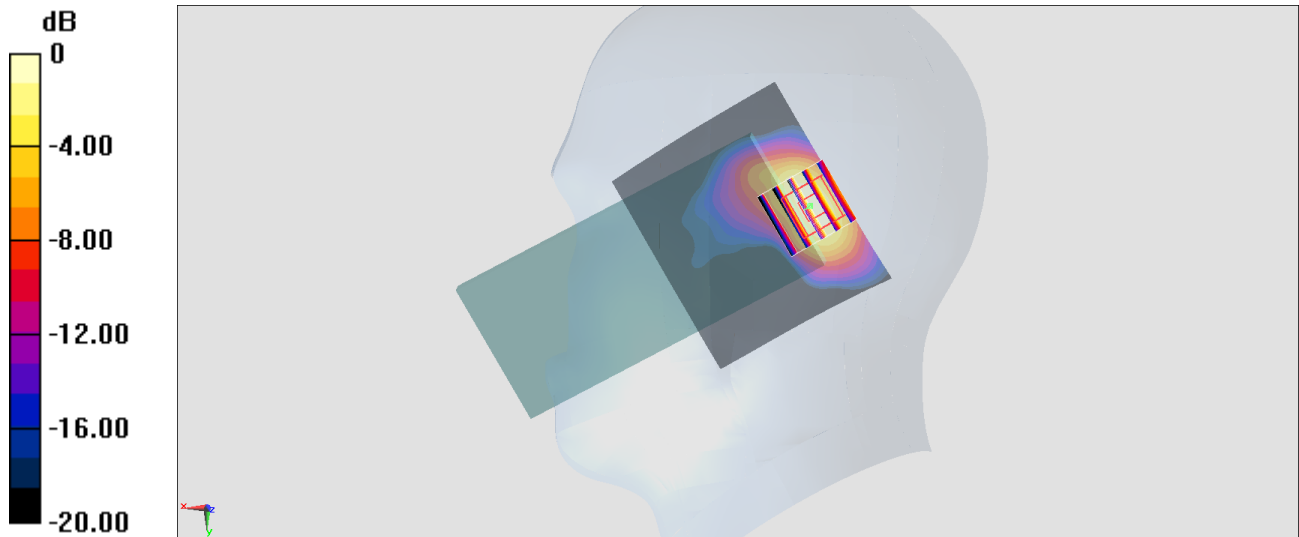
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.24 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.758 W/kg

**SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.175 W/kg**

Maximum value of SAR (measured) = 0.605 W/kg



0 dB = 0.594 W/kg = -2.26 dBW/kg

**#20\_FR1 n71\_20M\_PI/2 BPSK\_1\_1\_Right Cheek\_Ch136100**

Communication System: LTE ; Frequency: 681 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_200226 Medium parameters used:  $f = 681$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 44.114$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(9.67, 9.67, 9.67) @ 681 MHz; Calibrated: 2020/2/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; 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 (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

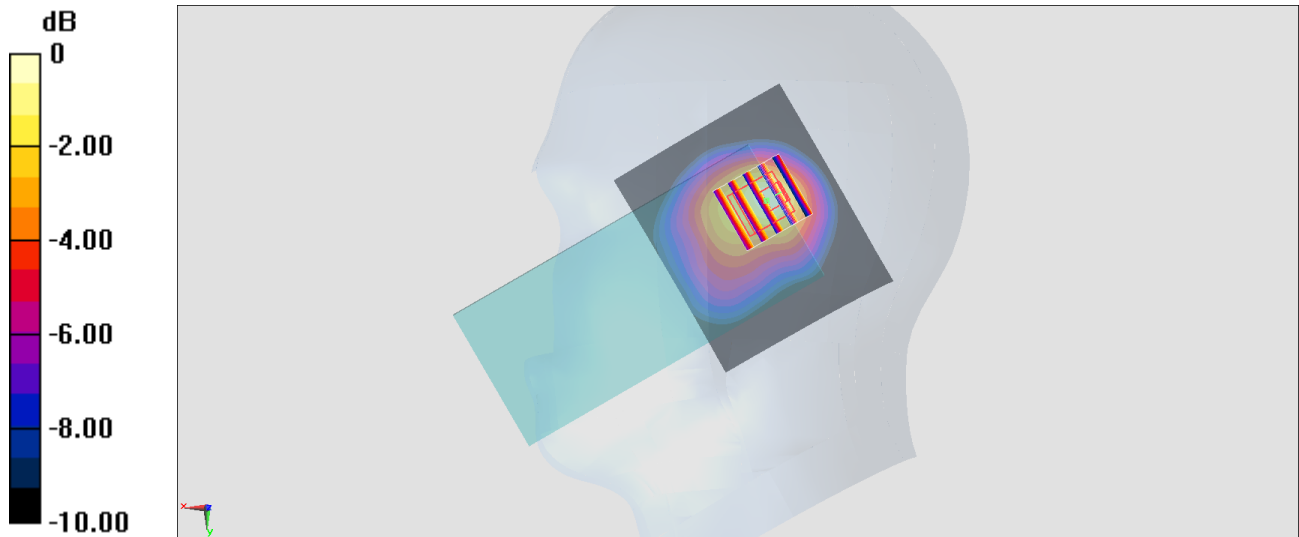
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.14 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.192 W/kg



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

**#22\_WLAN2.4GHz\_802.11b 1Mbps\_Right Cheek\_Ch11;Ant 4+6**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_200221 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.792$  S/m;  $\epsilon_r = 38.961$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(7.33, 7.33, 7.33) @ 2462 MHz; Calibrated: 2020/2/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; 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 (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0701 W/kg

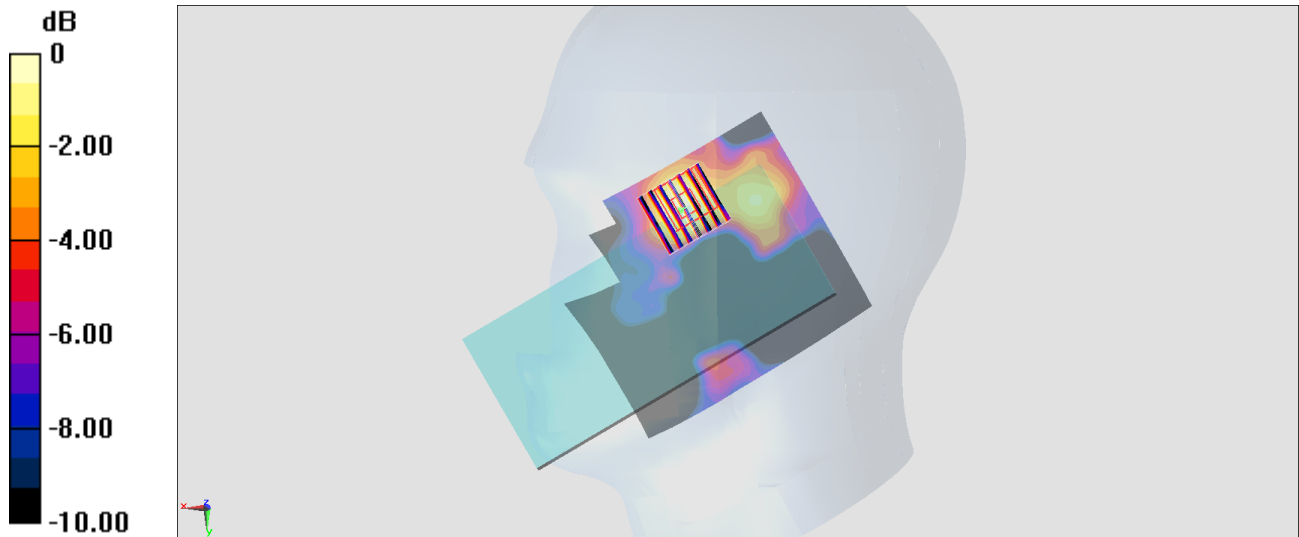
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.371 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0790 W/kg

**SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.0649 W/kg



0 dB = 0.0701 W/kg = -11.54 dBW/kg

**#23\_WLAN5GHz\_802.11a 6Mbps\_Right Tilted\_Ch64;Ant 3+6**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.010

Medium: HSL\_5G\_200225 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.737$  S/m;  $\epsilon_r = 35.886$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(5.14, 5.14, 5.14) @ 5320 MHz; Calibrated: 2020/2/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; 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=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.37 W/kg

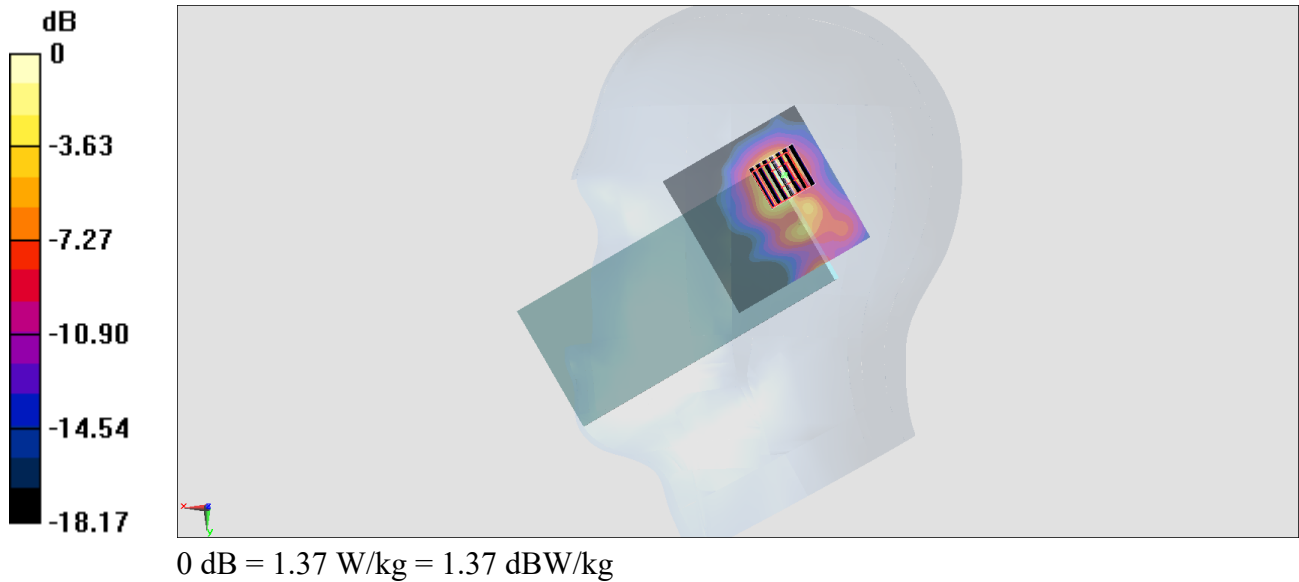
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.51 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.22 W/kg

**SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.179 W/kg**

Maximum value of SAR (measured) = 1.94 W/kg



**#24\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Tilted\_Ch122;Ant 3+6**

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

Medium: HSL\_5G\_200225 Medium parameters used:  $f = 5610$  MHz;  $\sigma = 5.027$  S/m;  $\epsilon_r = 35.475$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.57, 4.57, 4.57) @ 5610 MHz; Calibrated: 2020/2/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; 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:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.62 W/kg

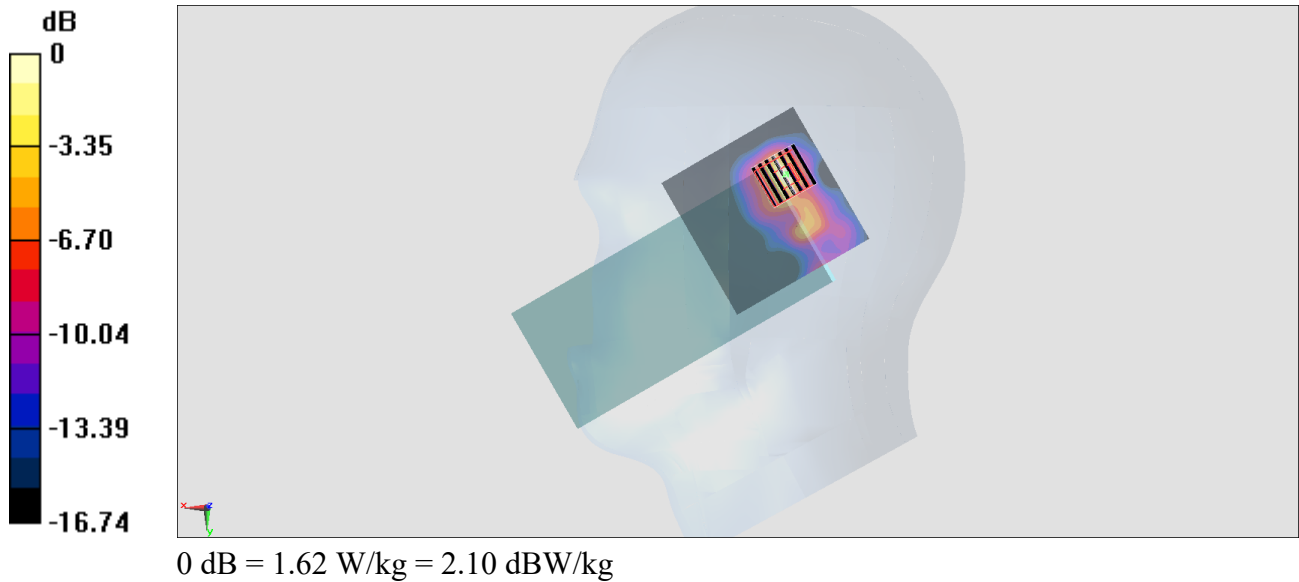
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 17.70 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.34 W/kg

**SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.155 W/kg**

Maximum value of SAR (measured) = 1.93 W/kg



**#25\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Tilted\_Ch155;Ant 3+6**

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

Medium: HSL\_5G\_200225 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.201$  S/m;  $\epsilon_r = 35.252$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3728; ConvF(4.78, 4.78, 4.78) @ 5775 MHz; Calibrated: 2020/2/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; 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=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.16 W/kg

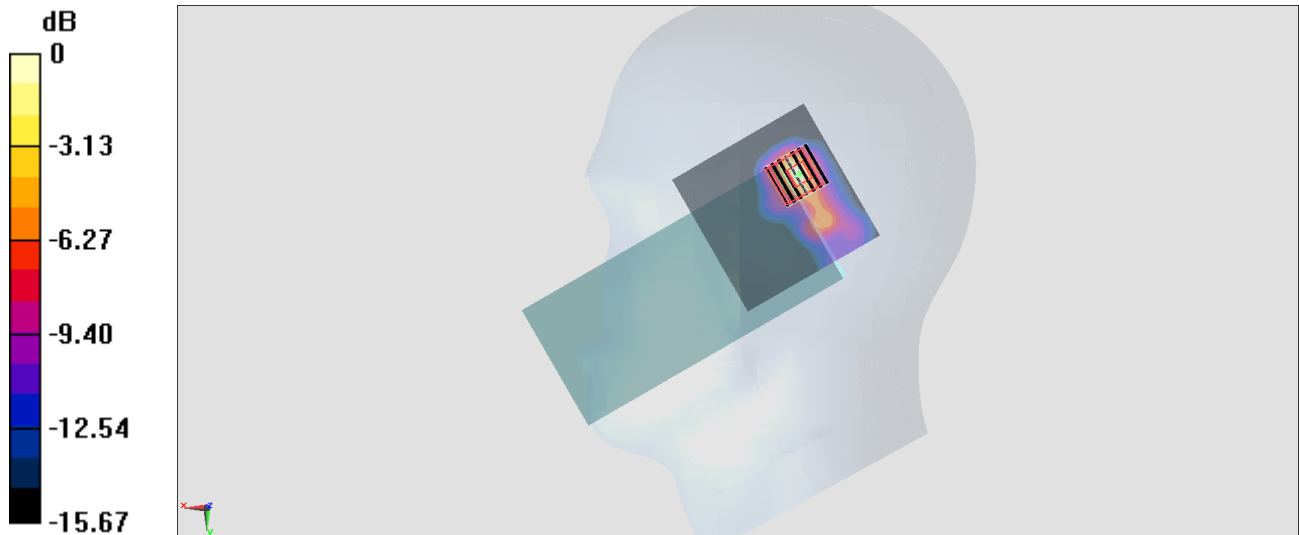
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 21.53 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.15 W/kg

**SAR(1 g) = 0.742 W/kg; SAR(10 g) = 0.182 W/kg**

Maximum value of SAR (measured) = 2.41 W/kg



0 dB = 2.16 W/kg = 3.34 dBW/kg

**#26\_Bluetooth\_1Mbps\_Right Cheek\_Ch39**

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

Medium: HSL\_2450\_200221 Medium parameters used :  $f = 2441$  MHz;  $\sigma = 1.762$  S/m;  $\epsilon_r = 38.992$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

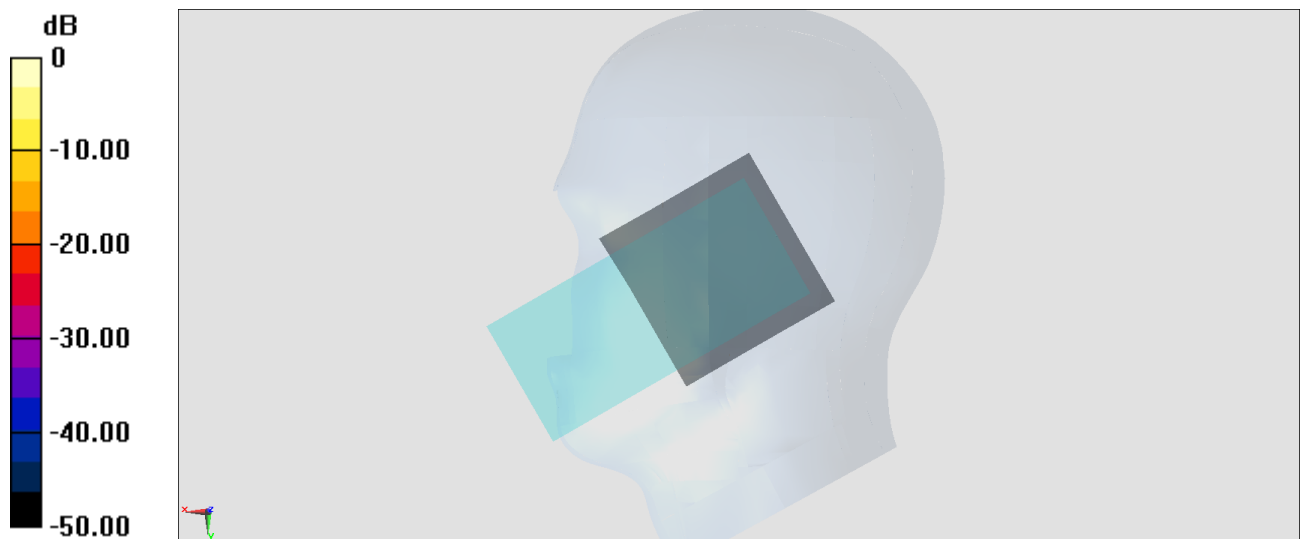
- Probe: EX3DV4 - SN3728; ConvF(7.33, 7.33, 7.33) @ 2441 MHz; Calibrated: 2020/2/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Reference Value = 0.5350 V/m; Power Drift = 0.00 dB

**Fast SAR: SAR(1 g) = 0.001 W/kg; SAR(10 g) = 0.001 W/kg**

Maximum value of SAR (interpolated) = 0 W/kg



0 dB = 0 W/kg = -999.00 dBW/kg