

## Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

## P01 GSM850\_GPRS 12\_Left Cheek\_Ch128

### DUT: 200629W001

Communication System: GPRS12; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL835\_0703 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(9.89, 9.89, 9.89) @ 824.2 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.867 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.84 V/m; Power Drift = 0.17 dB  
Peak SAR (extrapolated) = 0.902 W/kg  
**SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.335 W/kg**  
Maximum value of SAR (measured) = 0.826 W/kg



## P02 GSM1900\_GPRS 12\_Left Cheek\_Ch810

**DUT: 200629W001**

Communication System: GPRS12; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium: HSL1900\_0707 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.455$  S/m;  $\epsilon_r = 40.198$ ;  $\rho = 1000$  kg/m<sup>3</sup>

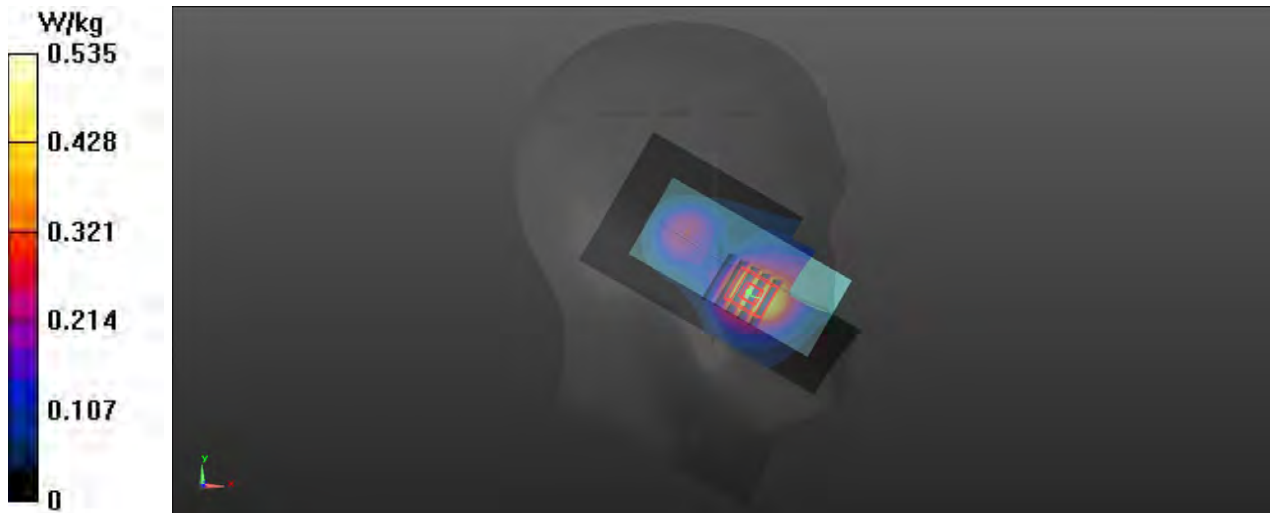
Ambient Temperature : 23.1°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.09, 8.09, 8.09) @ 1909.8 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1)**: Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 0.535 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 7.911 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 0.574 W/kg  
**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.202 W/kg**  
Maximum value of SAR (measured) = 0.500 W/kg



## P03 WCDMA II\_RMC12.2K\_Left Cheek\_Ch9538

### DUT: 200629W001

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

Medium: HSL1900\_0707 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.452$  S/m;  $\epsilon_r = 40.202$ ;  $\rho = 1000$  kg/m<sup>3</sup>

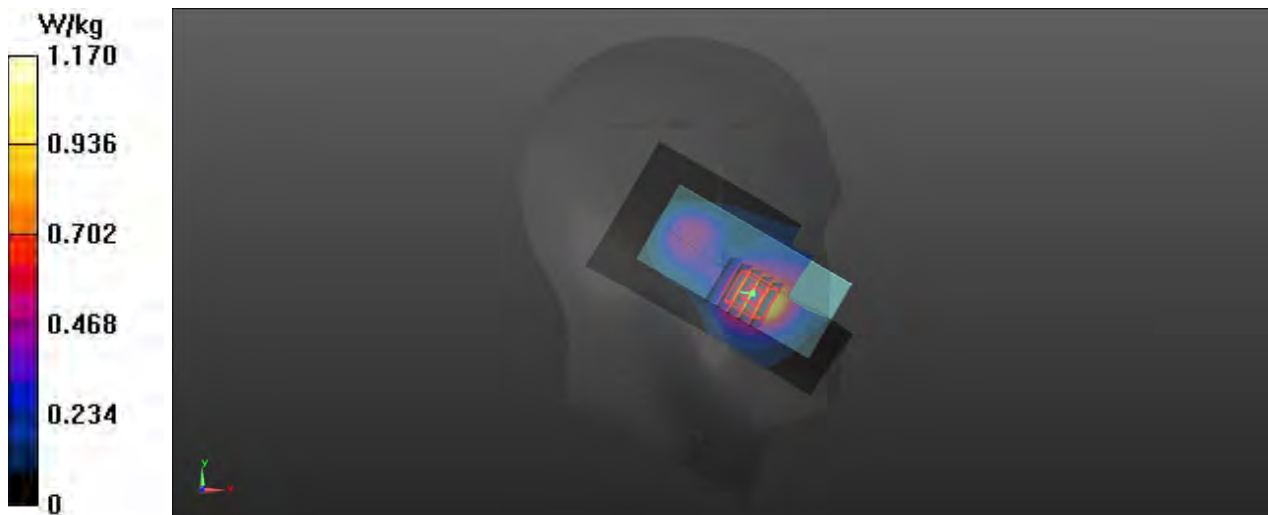
Ambient Temperature : 23.1°C; Liquid Temperature : 22.4°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.09, 8.09, 8.09) @ 1907.6 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.17 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 11.73 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 1.25 W/kg  
**SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.505 W/kg**  
Maximum value of SAR (measured) = 1.08 W/kg



## P04 WCDMA IV\_RMC12.2K\_Left Cheek\_Ch1312

**DUT: 200629W001**

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

Medium: HSL1750\_0706 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.315$  S/m;  $\epsilon_r = 40.824$ ;  $\rho = 1000$  kg/m<sup>3</sup>

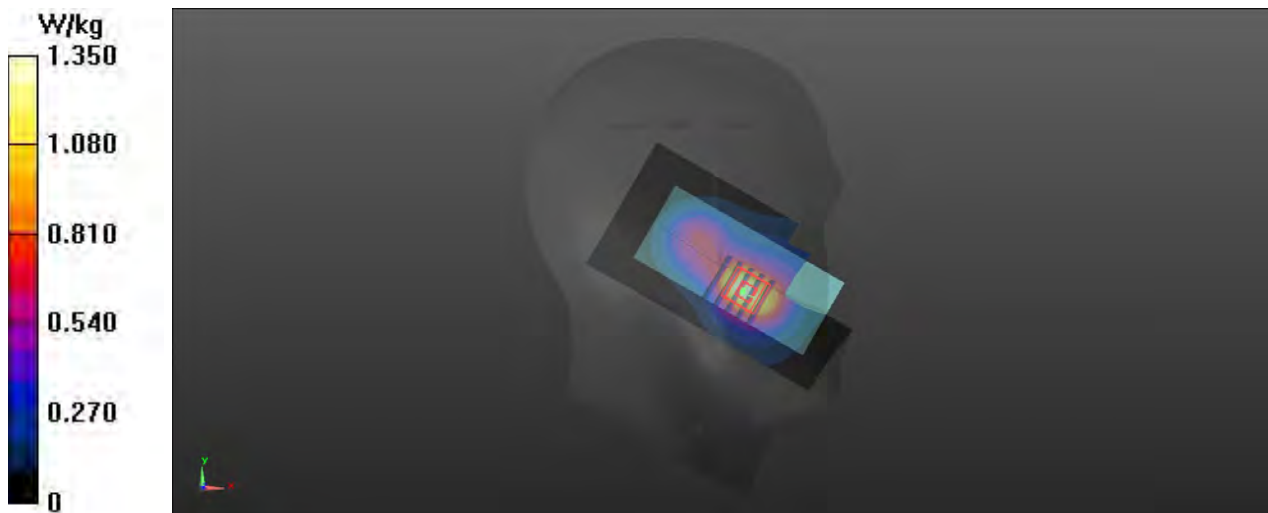
Ambient Temperature : 23.6°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.54, 8.54, 8.54) @ 1712.4 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1)**: Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 1.35 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 10.81 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 1.39 W/kg  
**SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.561 W/kg**  
Maximum value of SAR (measured) = 1.17 W/kg



## P05 WCDMA V\_RMC12.2K\_Left Cheek\_Ch4132

### DUT: 200629W001

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL835\_0703 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.895$  S/m;  $\epsilon_r = 40.643$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(9.89, 9.89, 9.89) @ 826.4 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.10 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 12.76 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 1.17 W/kg  
**SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.601 W/kg**  
Maximum value of SAR (measured) = 1.07 W/kg



## P06 LTE 2\_QPSK20M\_Left Cheek\_Ch19100\_1RB\_OS50

**DUT: 200629W001**

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

Medium: HSL1900\_0707 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.443$  S/m;  $\epsilon_r = 40.221$ ;  $\rho = 1000$  kg/m<sup>3</sup>

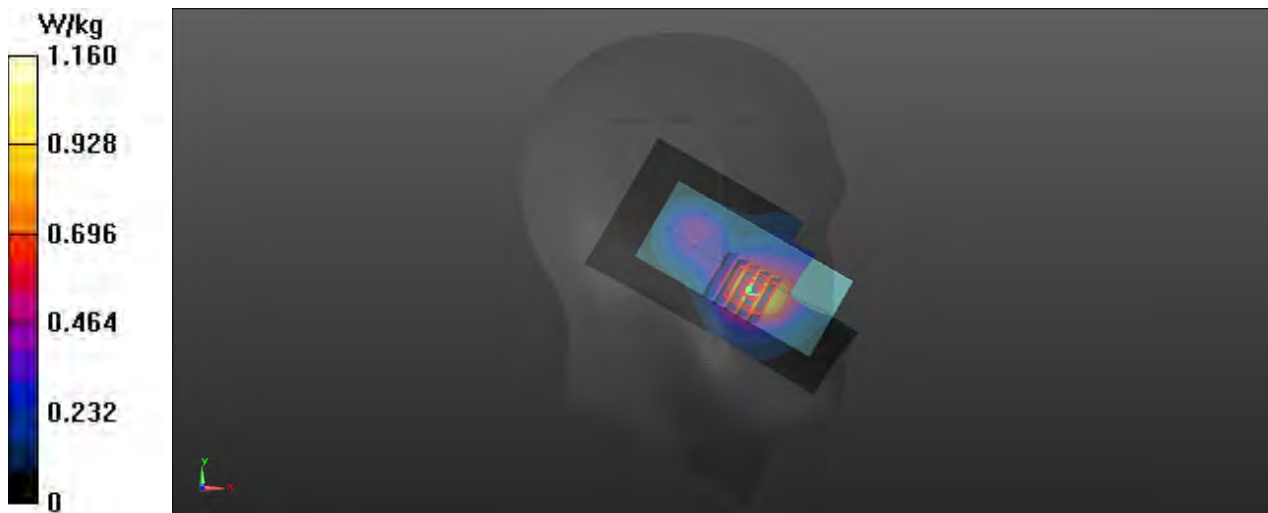
Ambient Temperature : 23.1°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.09, 8.09, 8.09) @ 1900 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1):** 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:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 10.29 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 1.19 W/kg  
**SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.489 W/kg**  
Maximum value of SAR (measured) = 1.04 W/kg



## P07 LTE 4\_QPSK20M\_Left Cheek\_Ch20050\_1RB\_OS0

**DUT: 200629W001**

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

Medium: HSL1750\_0706 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.319$  S/m;  $\epsilon_r = 40.805$ ;  $\rho = 1000$  kg/m<sup>3</sup>

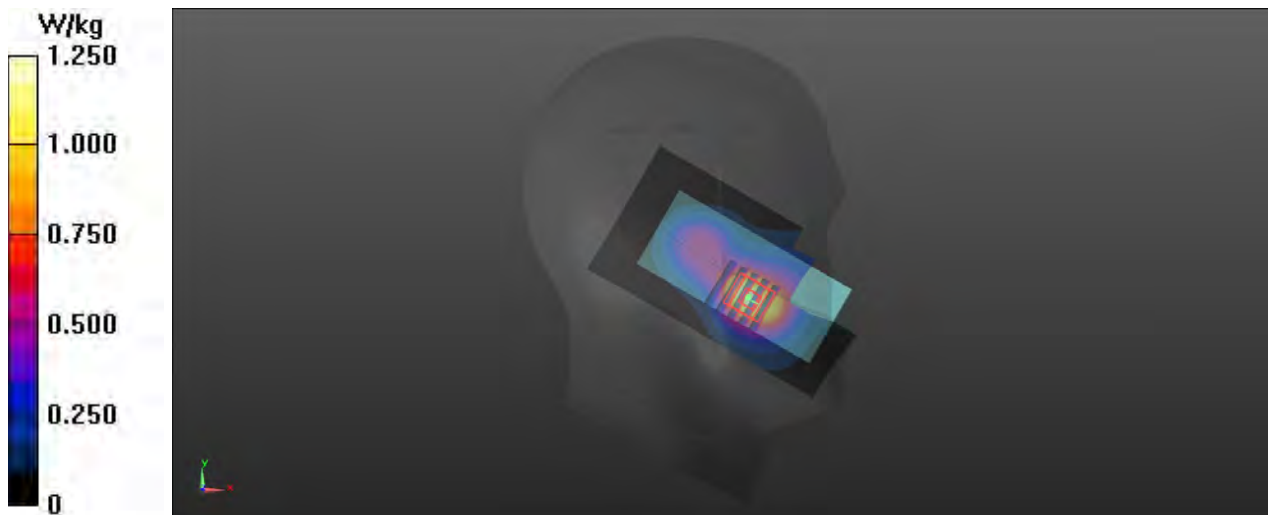
Ambient Temperature : 23.6°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.54, 8.54, 8.54) @ 1720 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.25 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.81 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.28 W/kg  
**SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.534 W/kg**  
Maximum value of SAR (measured) = 1.10 W/kg





## P08 LTE 5\_QPSK10M\_Left Cheek\_Ch20525\_1RB\_OS0

**DUT: 200629W001**

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

Medium: HSL835\_0703 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.9$  S/m;  $\epsilon_r = 40.562$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(9.89, 9.89, 9.89) @ 836.5 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.916 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 12.19 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 0.976 W/kg  
**SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.502 W/kg**  
Maximum value of SAR (measured) = 0.888 W/kg



## P09 LTE 7\_QPSK20M\_Left Cheek\_Ch20850\_1RB\_OS99

**DUT: 200629W001**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600\_0708 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.94$  S/m;  $\epsilon_r = 39.277$ ;  $\rho = 1000$  kg/m<sup>3</sup>

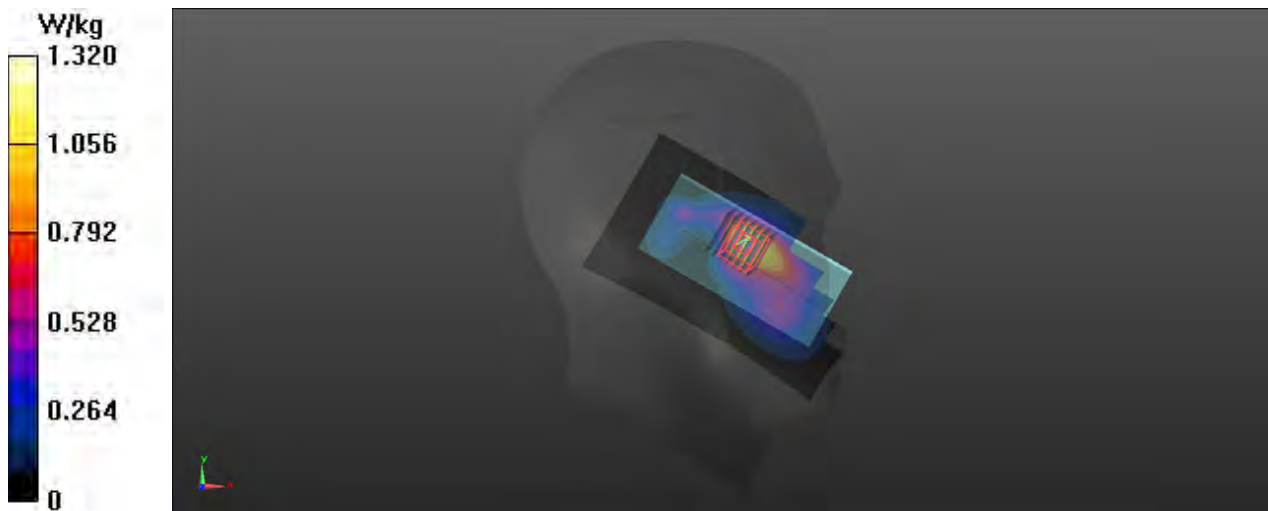
Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(7.17, 7.17, 7.17) @ 2510 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.32 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 9.703 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 1.57 W/kg  
**SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.517 W/kg**  
Maximum value of SAR (measured) = 1.34 W/kg



## P10 LTE 12\_QPSK10M\_Left Cheek\_Ch23130\_1RB\_OS49

**DUT: 200629W001**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750\_0701 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.861$  S/m;  $\epsilon_r = 41.24$ ;  $\rho = 1000$  kg/m<sup>3</sup>

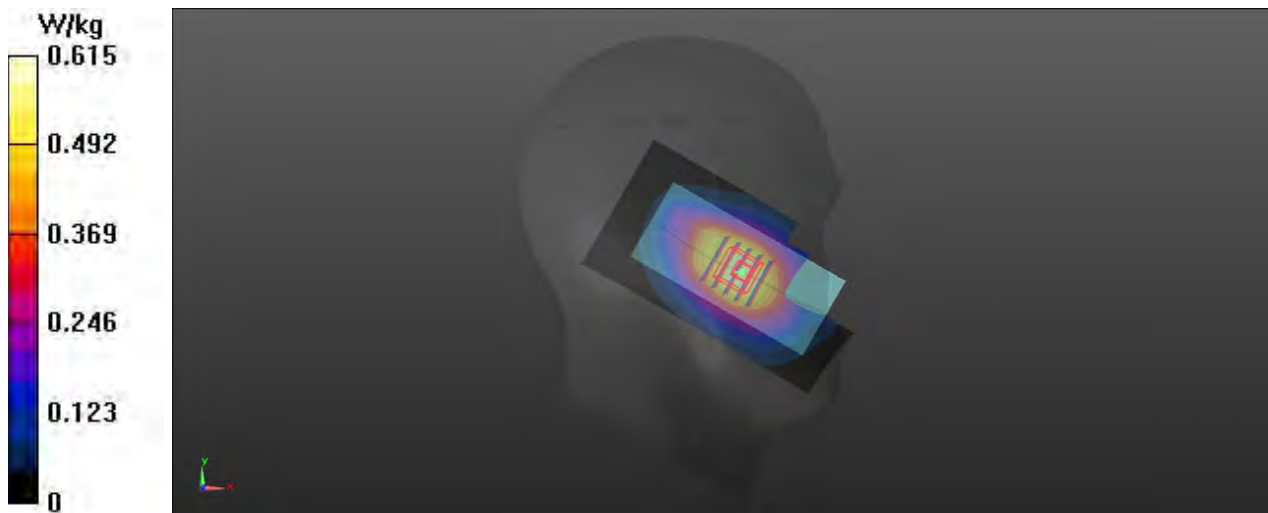
Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(10.23, 10.23, 10.23) @ 711 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.615 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.46 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 0.663 W/kg  
**SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.362 W/kg**  
Maximum value of SAR (measured) = 0.611 W/kg



## P11 LTE 13\_QPSK10M\_Left Cheek\_Ch23230\_1RB\_OS49

**DUT: 200629W001**

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

Medium: HSL750\_0701 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.919 \text{ S/m}$ ;  $\epsilon_r = 40.485$ ;  $\rho = 1000 \text{ kg/m}^3$

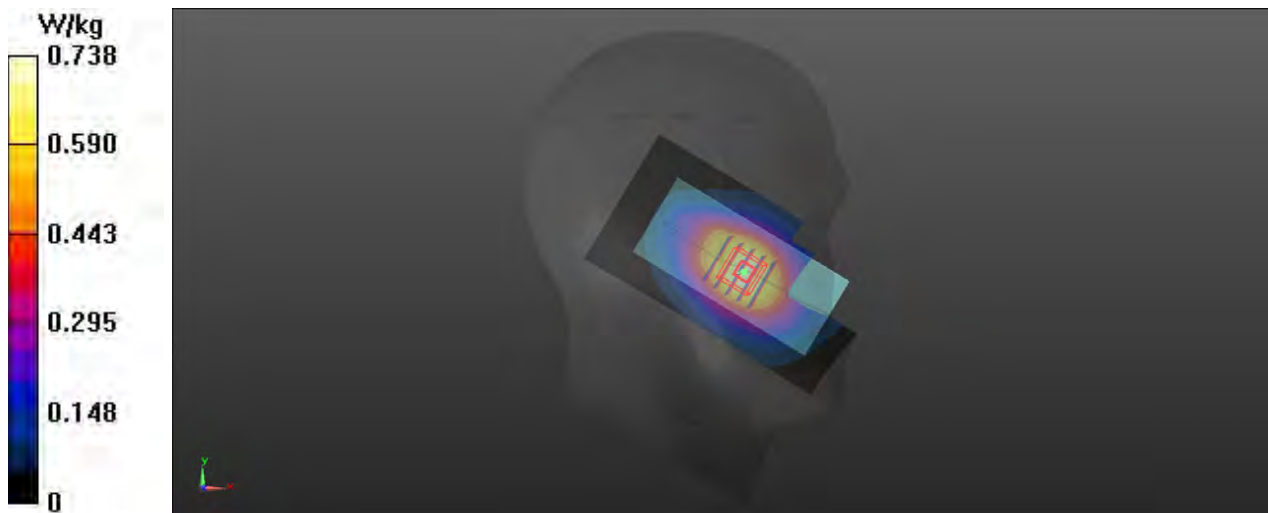
Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(10.23, 10.23, 10.23) @ 782 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1)**: Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.738 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 9.945 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 0.782 W/kg  
**SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.422 W/kg**  
Maximum value of SAR (measured) = 0.721 W/kg



## P12 LTE 17\_QPSK10M\_Left Cheek\_Ch23790\_1RB\_OS49

**DUT: 200629W001**

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

Medium: HSL750\_0701 Medium parameters used:  $f = 710 \text{ MHz}$ ;  $\sigma = 0.86 \text{ S/m}$ ;  $\epsilon_r = 41.258$ ;  $\rho = 1000 \text{ kg/m}^3$

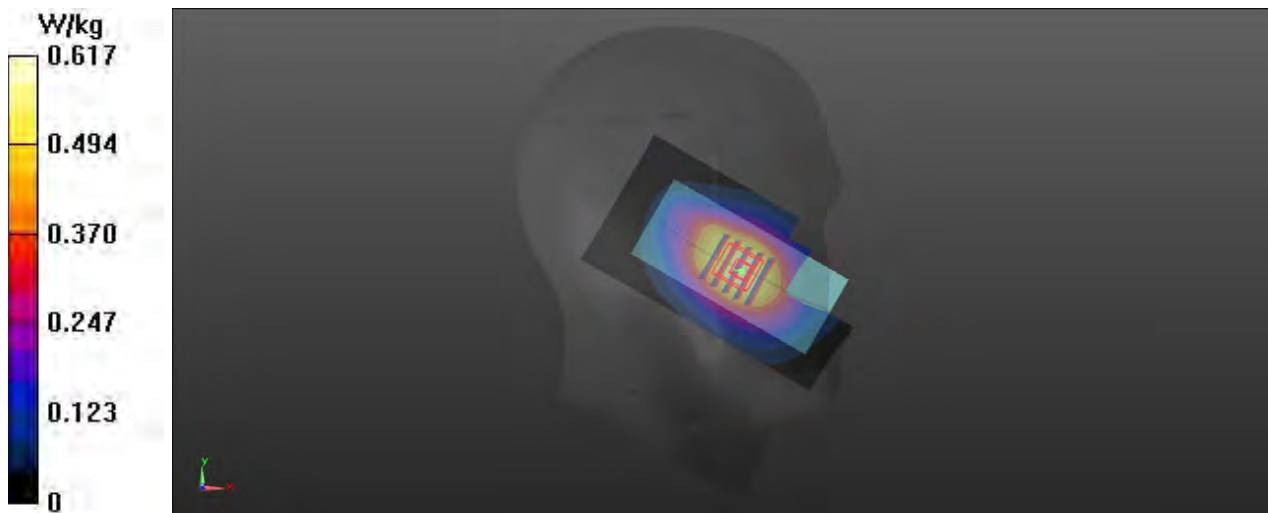
Ambient Temperature : 23.2°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(10.23, 10.23, 10.23) @ 710 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1)**: Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.617 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 10.43 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.649 W/kg  
**SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.359 W/kg**  
Maximum value of SAR (measured) = 0.601 W/kg



## P13 GSM 850\_GPRS 12\_Rear Face\_1.5cm\_Ch128

**DUT: 200629W001**

Communication System: GPRS12; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL835\_0703 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 40.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

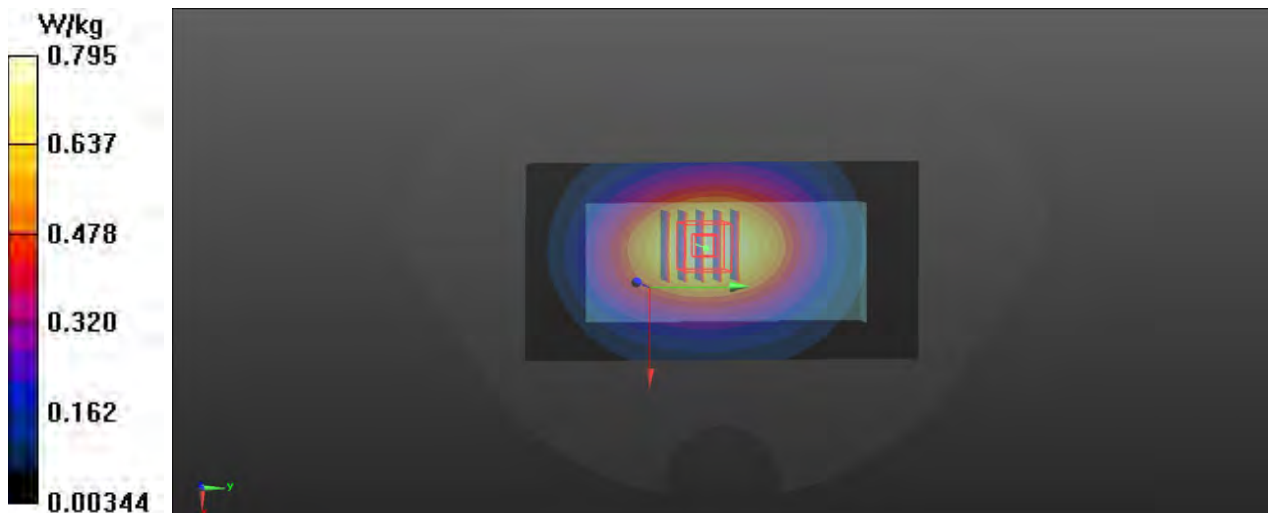
Ambient Temperature : 23.4°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(9.89, 9.89, 9.89) @ 824.2 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.795 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 26.18 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.885 W/kg  
**SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.300 W/kg**  
Maximum value of SAR (measured) = 0.793 W/kg



## P14 GSM 1900\_GPRS 12\_Rear Face\_1.5cm\_Ch810

**DUT: 200629W001**

Communication System: GPRS12; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium: HSL1900\_0707 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.455$  S/m;  $\epsilon_r = 40.198$ ;  $\rho = 1000$  kg/m<sup>3</sup>

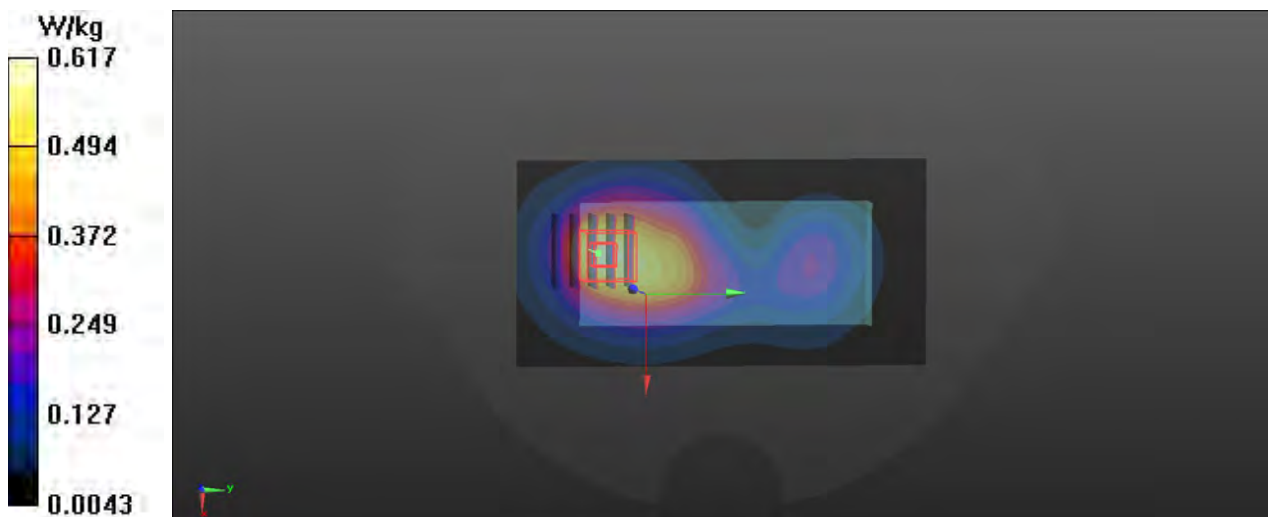
Ambient Temperature : 23.1°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.09, 8.09, 8.09) @ 1909.8 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.617 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.33 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 0.748 W/kg  
**SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.259 W/kg**  
Maximum value of SAR (measured) = 0.628 W/kg



## P15 WCDMA II\_RMC12.2K\_Rear Face\_1.5cm\_Ch9538

**DUT: 200629W001**

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

Medium: HSL1900\_0707 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.452 \text{ S/m}$ ;  $\epsilon_r = 40.202$ ;  $\rho = 1000 \text{ kg/m}^3$

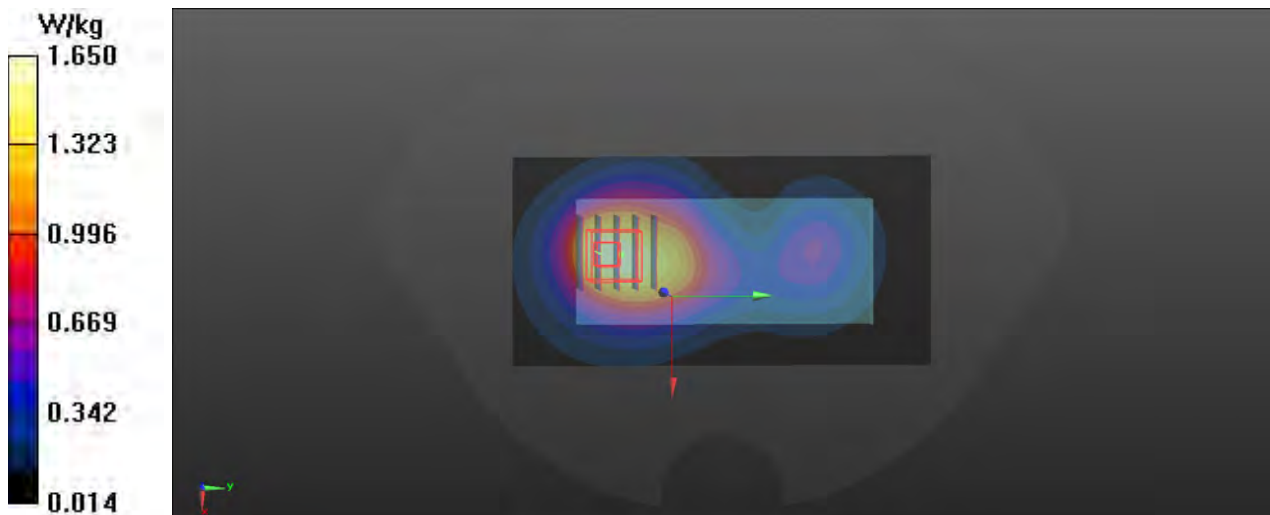
Ambient Temperature : 23.1°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.09, 8.09, 8.09) @ 1907.6 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1)**: Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 1.65 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 17.88 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 2.01 W/kg  
**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.721 W/kg**  
 Maximum value of SAR (measured) = 1.70 W/kg





## P16 WCDMA IV\_RMC12.2K\_Rear Face\_1.5cm\_Ch1312

### DUT: 200629W001

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

Medium: HSL1750\_0706 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.315$  S/m;  $\epsilon_r = 40.824$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.54, 8.54, 8.54) @ 1712.4 MHz; Calibrated: 9/16/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 9/10/2019
- Phantom: Twin-SAM (Right SAM2); Type: QD 000 P41 AA; Serial: 1986
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

- **Area Scan (61x121x1)**: Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 1.42 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 15.57 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 1.58 W/kg  
**SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.596 W/kg**  
Maximum value of SAR (measured) = 1.32 W/kg

