

### P13 5G NR n2\_DFT-S QPSK20M\_Left Cheek\_Ch376000\_1RB\_OS1\_Ant 1

**DUT: 200605C24**

Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 1880 MHz; Duty Cycle: 1:3.56

Medium: H16T20N1\_0826 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.442$  S/m;  $\epsilon_r = 38.645$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.4, 7.4, 7.4) @ 1880 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (81x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.690 W/kg

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

Reference Value = 20.59 V/m; Power Drift = -0.07 dB

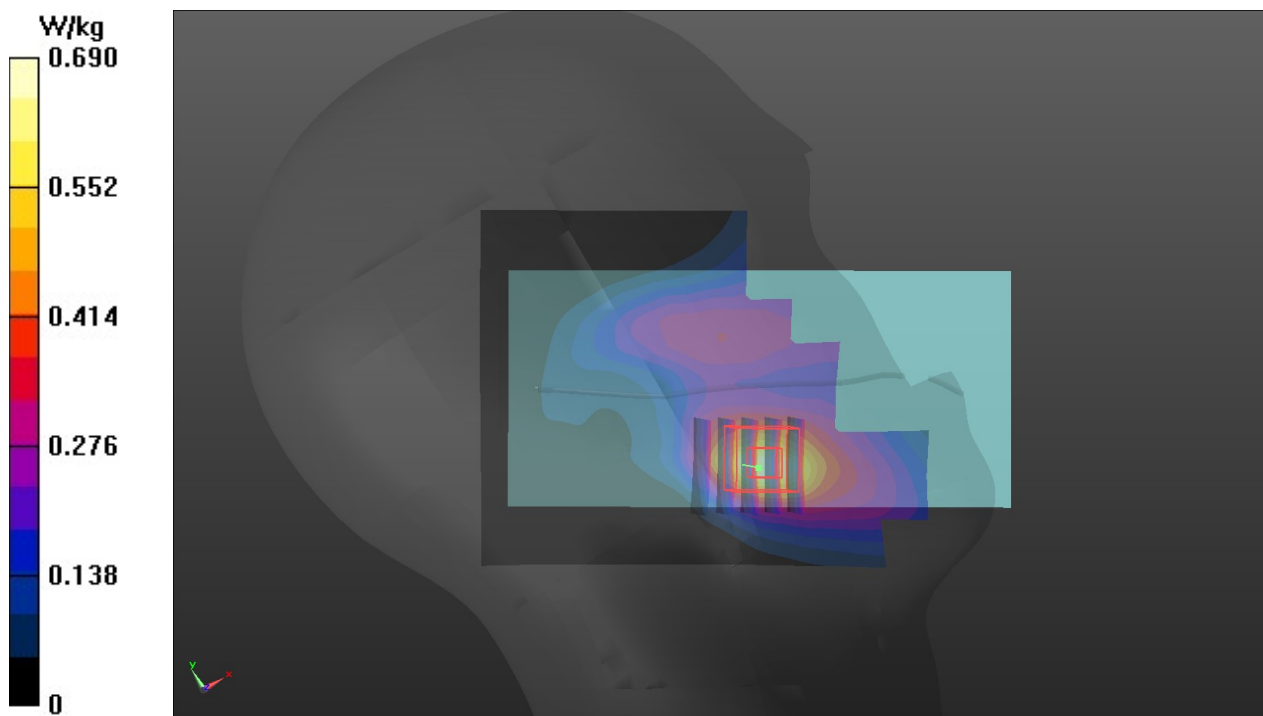
Peak SAR (extrapolated) = 0.754 W/kg

**SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.286 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 0.650 W/kg



### P14 5G NR n5\_DFT-S QPSK20M\_Left Cheek\_Ch167300\_1RB\_OS1\_Ant 0

**DUT: 200605C24**

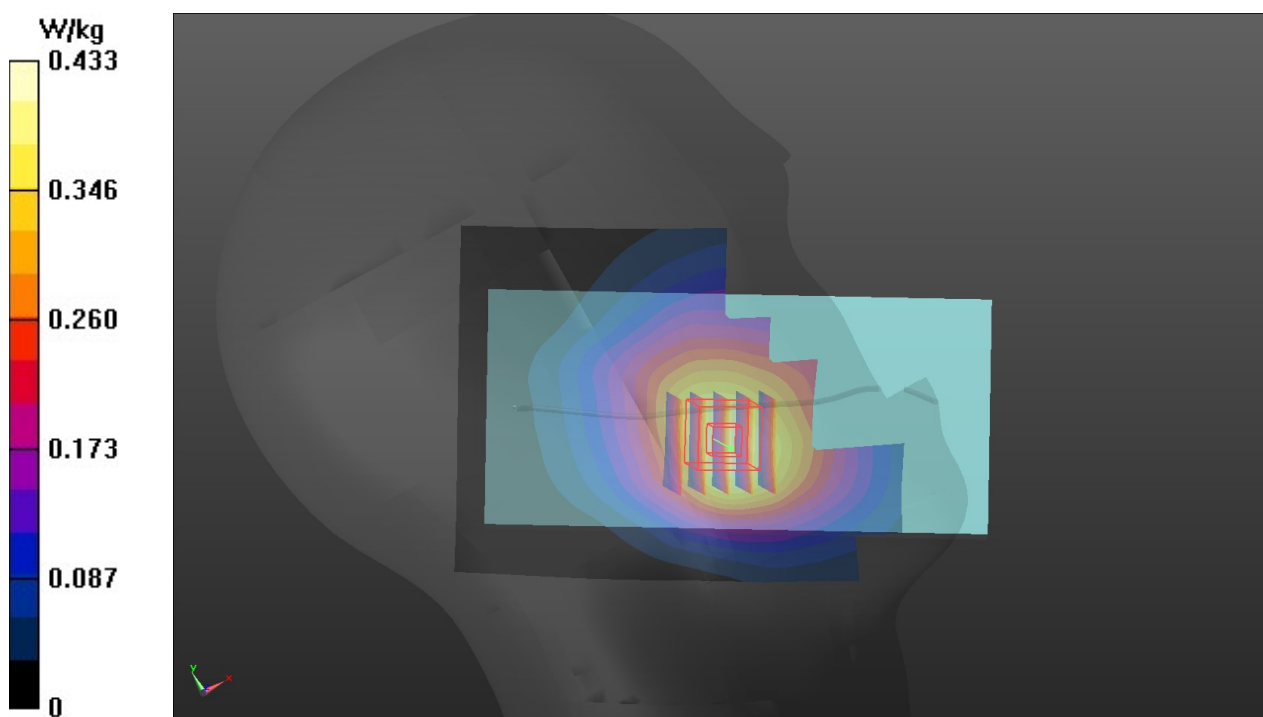
Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 836.5 MHz; Duty Cycle: 1:3.56  
Medium: H07T10N1\_0826 Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 42.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.01, 9.01, 9.01) @ 836.5 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (81x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.433 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.39 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.452 W/kg  
**SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.279 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
Ratio of SAR at M2 to SAR at M1 = 80.3%  
Maximum value of SAR (measured) = 0.422 W/kg



### P15 5G NR n66\_DFT-S QPSK20M\_Left Cheek\_Ch344000\_1RB\_OS1\_Ant 1

**DUT: 200605C24**

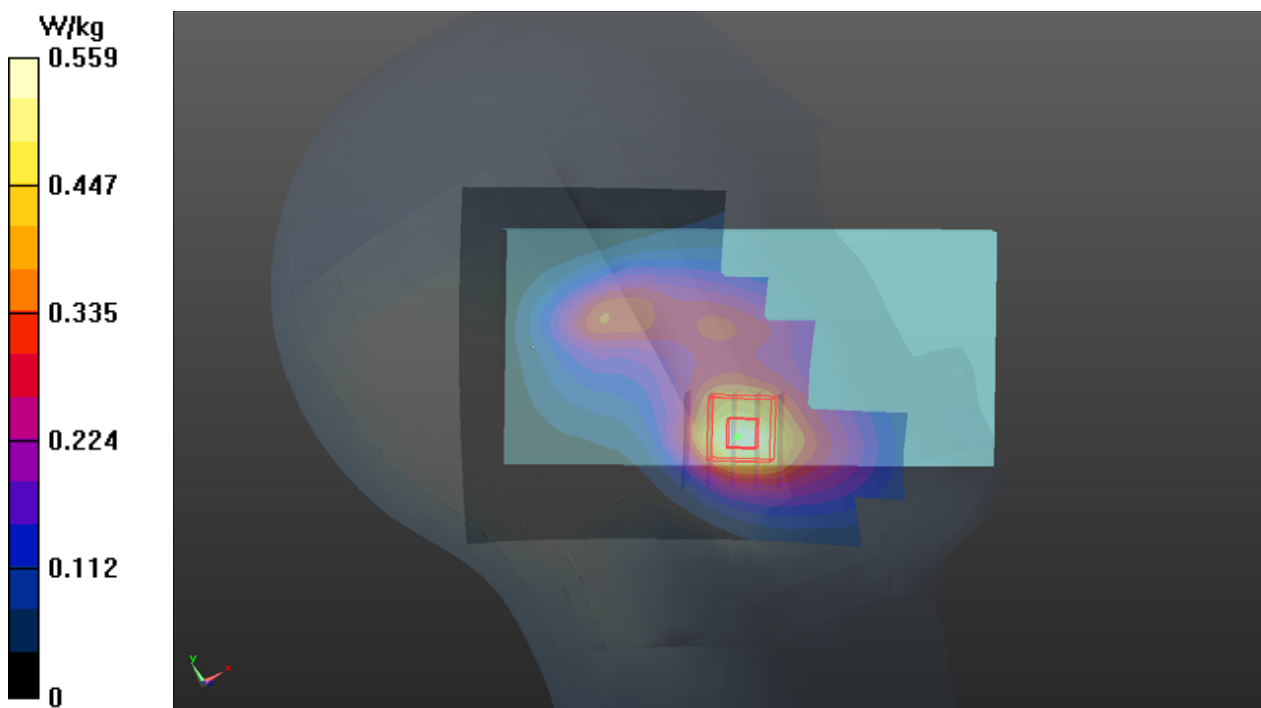
Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 1720 MHz; Duty Cycle: 1:3.56  
Medium: H16T20N1\_1012 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.3$  S/m;  $\epsilon_r = 38.976$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.47, 8.47, 8.47) @ 1720 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (81x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.559 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 21.29 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.612 W/kg  
**SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.393 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below = 14.5 mm  
Ratio of SAR at M2 to SAR at M1 = 65%  
Maximum value of SAR (measured) = 0.537 W/kg



### P16 WLAN2.4G\_802.11b\_Right Cheek\_Ch1\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2412 MHz; Duty Cycle: 1:1.09

Medium: H19T27N1\_0829 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.83$  S/m;  $\epsilon_r = 39.064$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.7, 7.7, 7.7) @ 2412 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.398 W/kg

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

Reference Value = 13.32 V/m; Power Drift = 0.02 dB

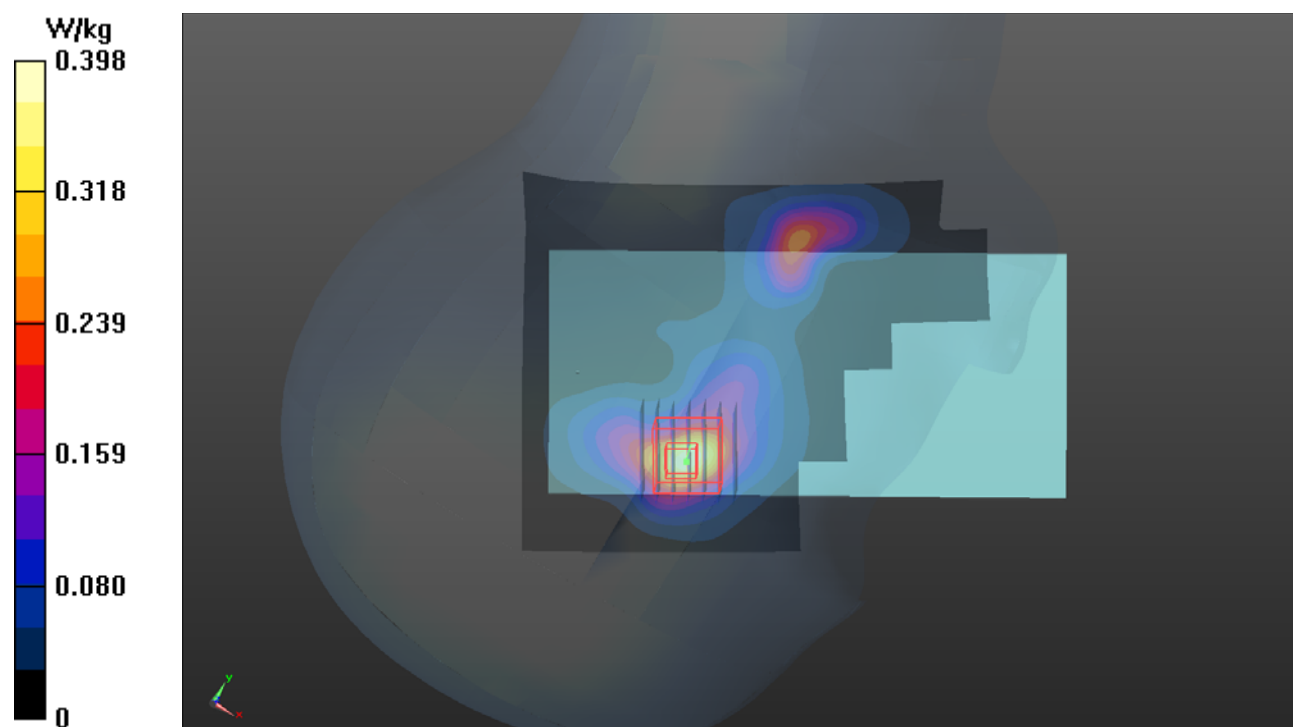
Peak SAR (extrapolated) = 0.560 W/kg

**SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.132 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 0.438 W/kg



### P17 WLAN5.3G\_802.11a\_Right Cheek\_Ch56\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);  
Frequency: 5280 MHz; Duty Cycle: 1:1.03

Medium: H34T60N3\_0825 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 4.688$  S/m;  $\epsilon_r = 35.321$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(5.31, 5.31, 5.31) @ 5280 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (121x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.753 W/kg

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

Reference Value = 12.14 V/m; Power Drift = -0.01 dB

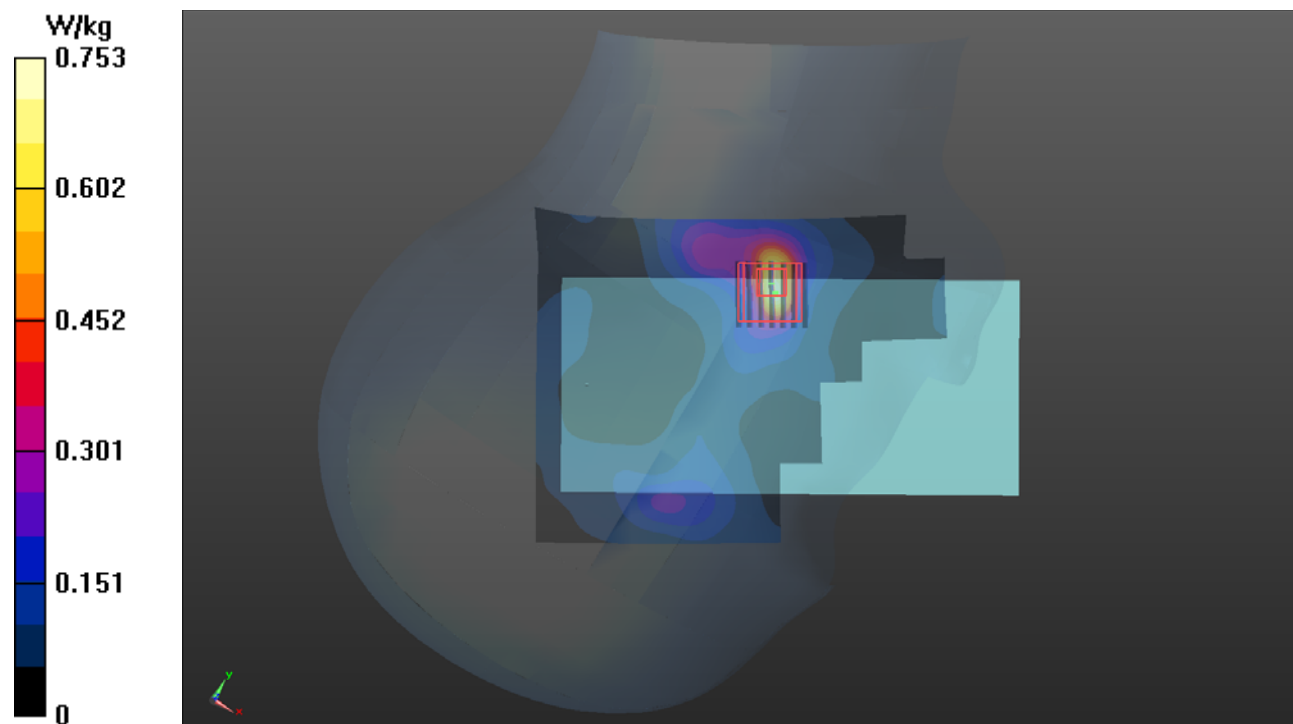
Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.156 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 69.2%

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



### P18 WLAN5.6G\_802.11a\_Right Cheek\_Ch132\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);  
Frequency: 5660 MHz; Duty Cycle: 1:1.03

Medium: H34T60N3\_0825 Medium parameters used:  $f = 5660$  MHz;  $\sigma = 5.055$  S/m;  $\epsilon_r = 34.766$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(4.55, 4.55, 4.55) @ 5660 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (121x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.489 W/kg

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

Reference Value = 9.991 V/m; Power Drift = -0.07 dB

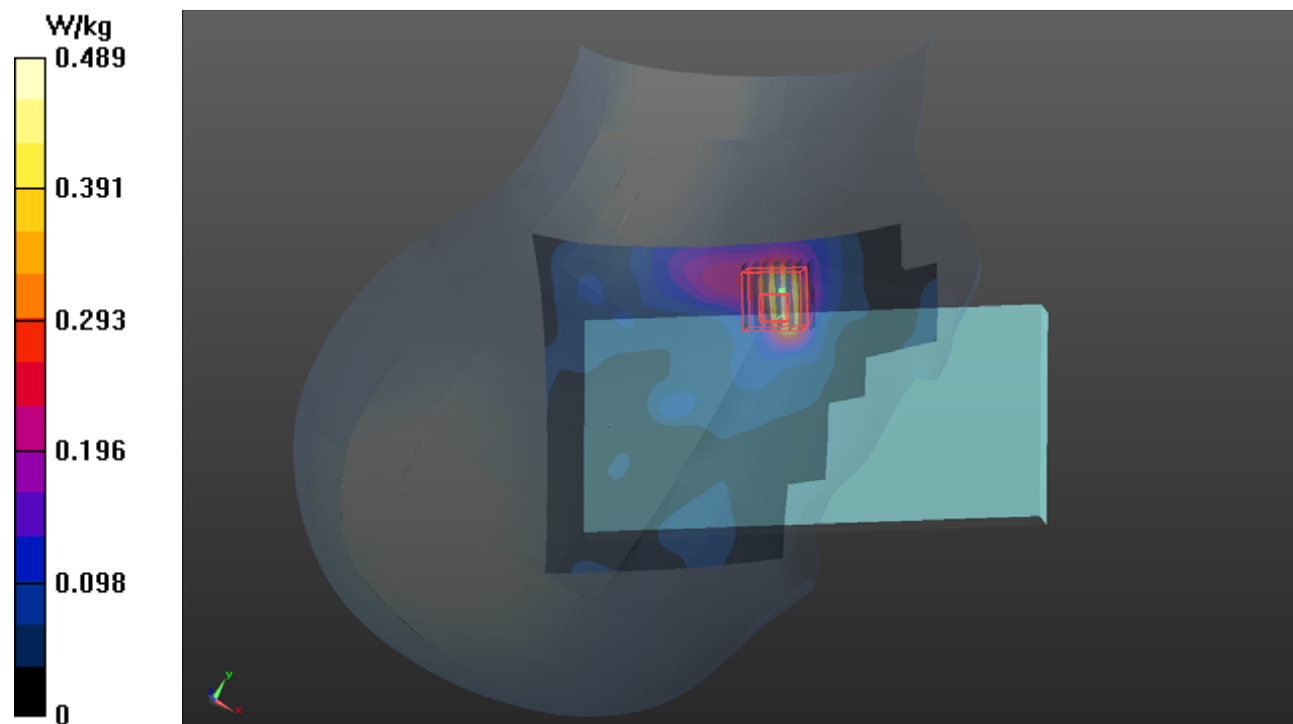
Peak SAR (extrapolated) = 2.32 W/kg

**SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.068 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 63.7%

Maximum value of SAR (measured) = 0.770 W/kg



### P19 WLAN5.8G\_802.11a\_Right Cheek\_Ch161\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);  
Frequency: 5805 MHz; Duty Cycle: 1:1.03

Medium: H34T60N3\_0825 Medium parameters used:  $f = 5805$  MHz;  $\sigma = 5.204$  S/m;  $\epsilon_r = 34.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(4.75, 4.75, 4.75) @ 5805 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (121x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.504 W/kg

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

Reference Value = 9.932 V/m; Power Drift = -0.07 dB

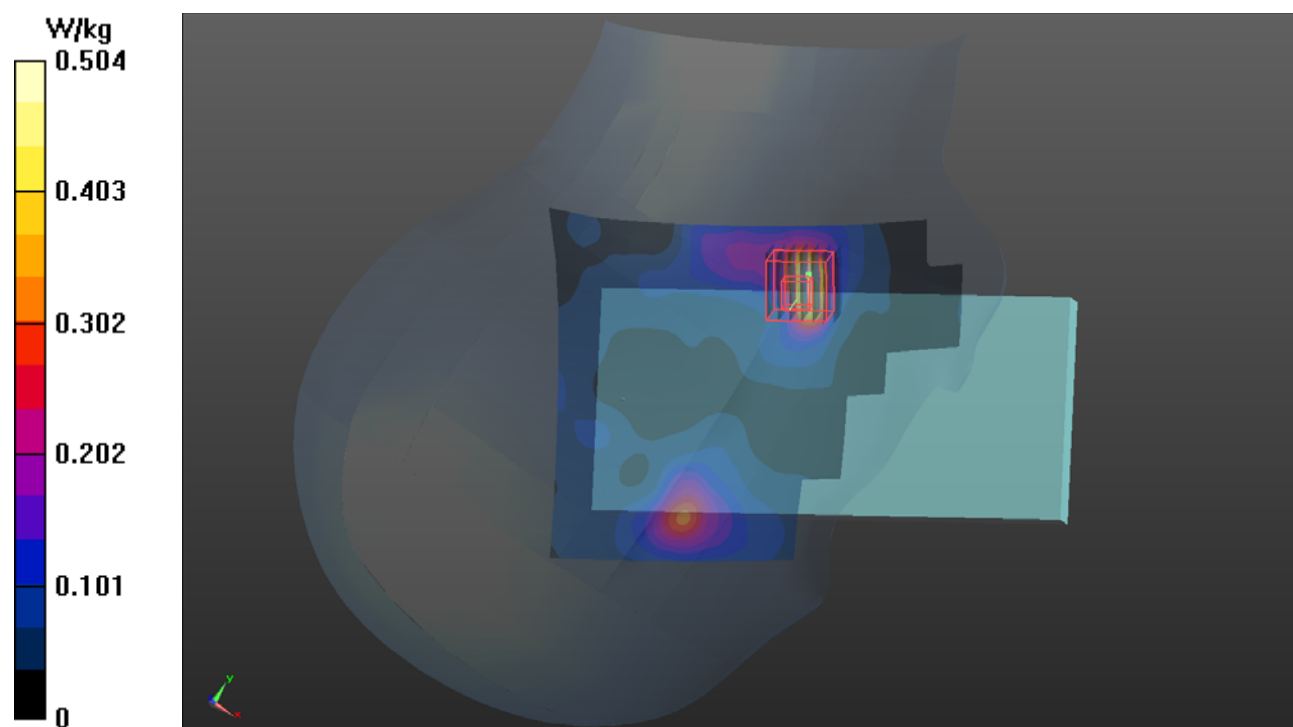
Peak SAR (extrapolated) = 3.27 W/kg

**SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.122 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

Maximum value of SAR (measured) = 0.818 W/kg





## P20 BT\_BDR\_Right Cheek\_Ch39\_Ant 0

**DUT: 200605C24**

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441 MHz; Duty Cycle: 1:1.32

Medium: H19T27N1\_0829 Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.861$  S/m;  $\epsilon_r = 38.943$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.7, 7.7, 7.7) @ 2441 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.182 W/kg

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

Reference Value = 9.456 V/m; Power Drift = -0.03 dB

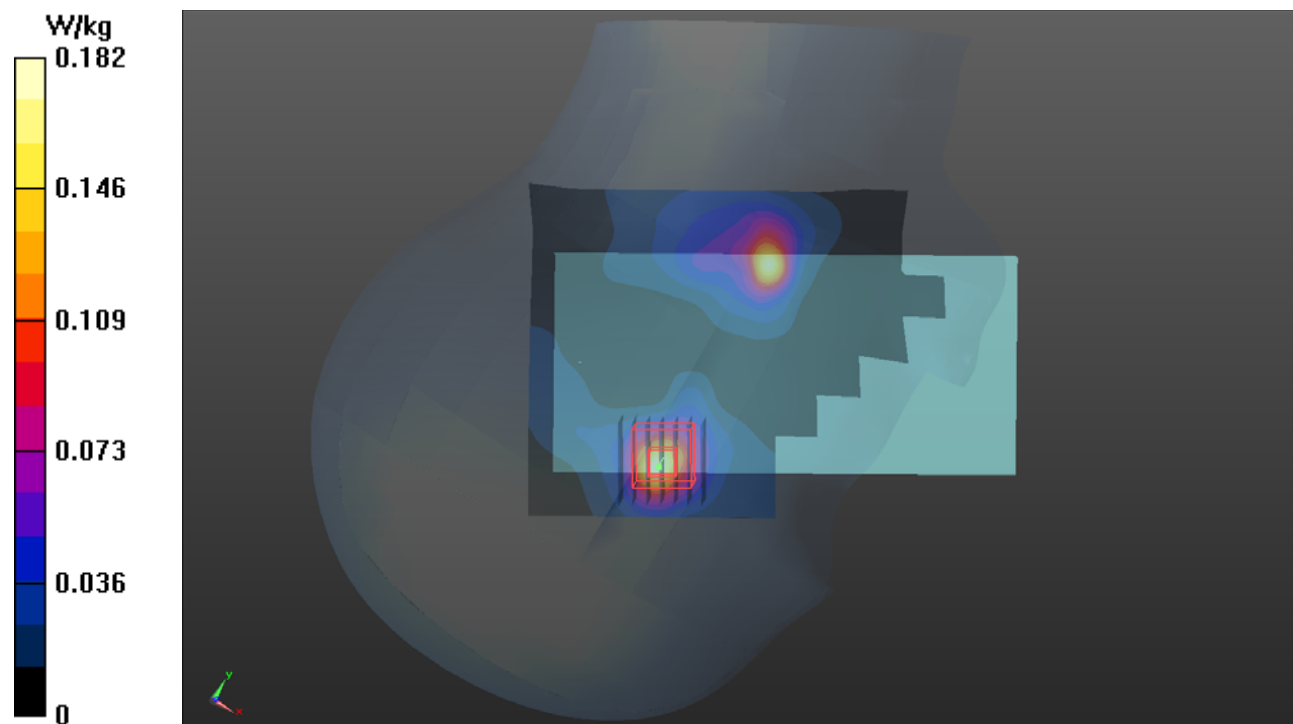
Peak SAR (extrapolated) = 0.291 W/kg

**SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.036 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.8 mm

Ratio of SAR at M2 to SAR at M1 = 31%

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





## P21 GSM850\_GPRS12\_Front Face\_15mm\_Ch251\_Ant 0

**DUT: 200605C24**

Communication System: UID 10028 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3); Frequency: 848.8 MHz; Duty Cycle: 1:2.27

Medium: H07T10N1\_0826 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.931$  S/m;  $\epsilon_r = 41.561$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.79, 9.79, 9.79) @ 848.8 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 22.20 V/m; Power Drift = -0.08 dB

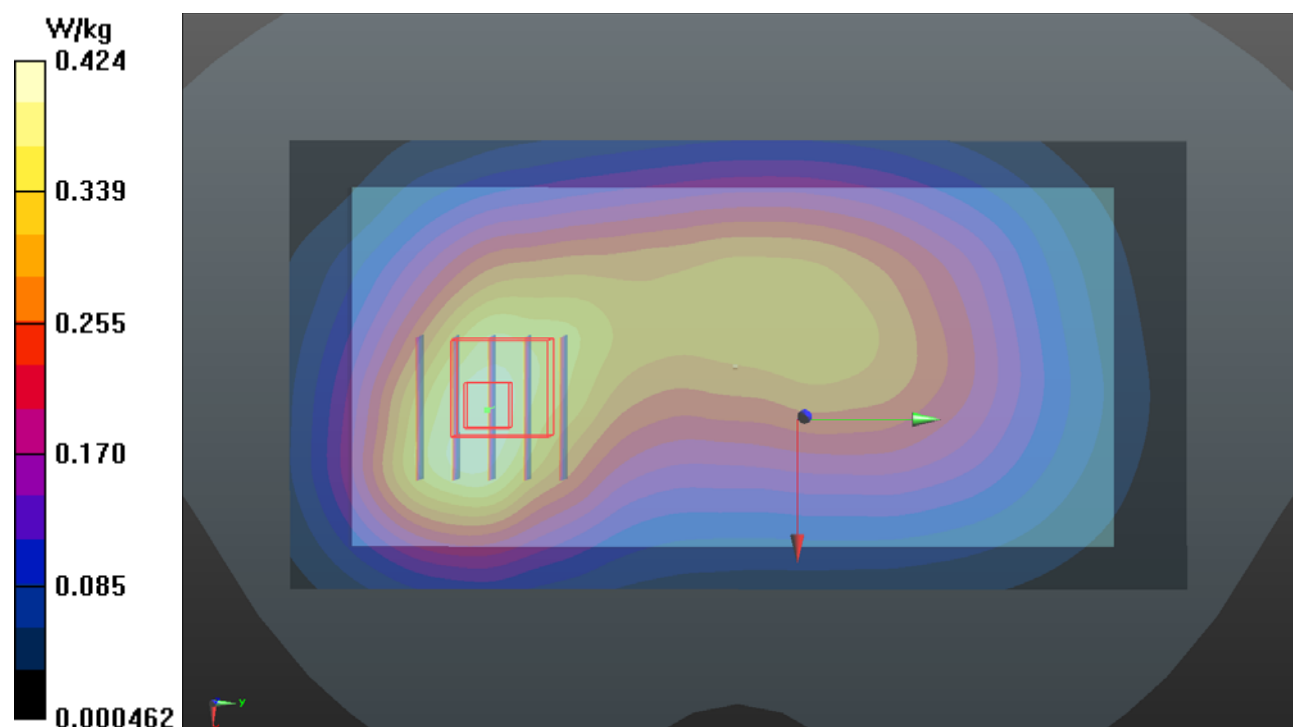
Peak SAR (extrapolated) = 0.455 W/kg

**SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.229 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.1%

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



## P22 GSM1900\_GPRS12\_Front Face\_15mm\_Ch512\_Ant 0

**DUT: 200605C24**

Communication System: UID 10028 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3); Frequency: 1850.2 MHz; Duty Cycle: 1:2.27

Medium: H16T20N1\_0826 Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.416$  S/m;  $\epsilon_r = 39.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.25, 8.25, 8.25) @ 1850.2 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** 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=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

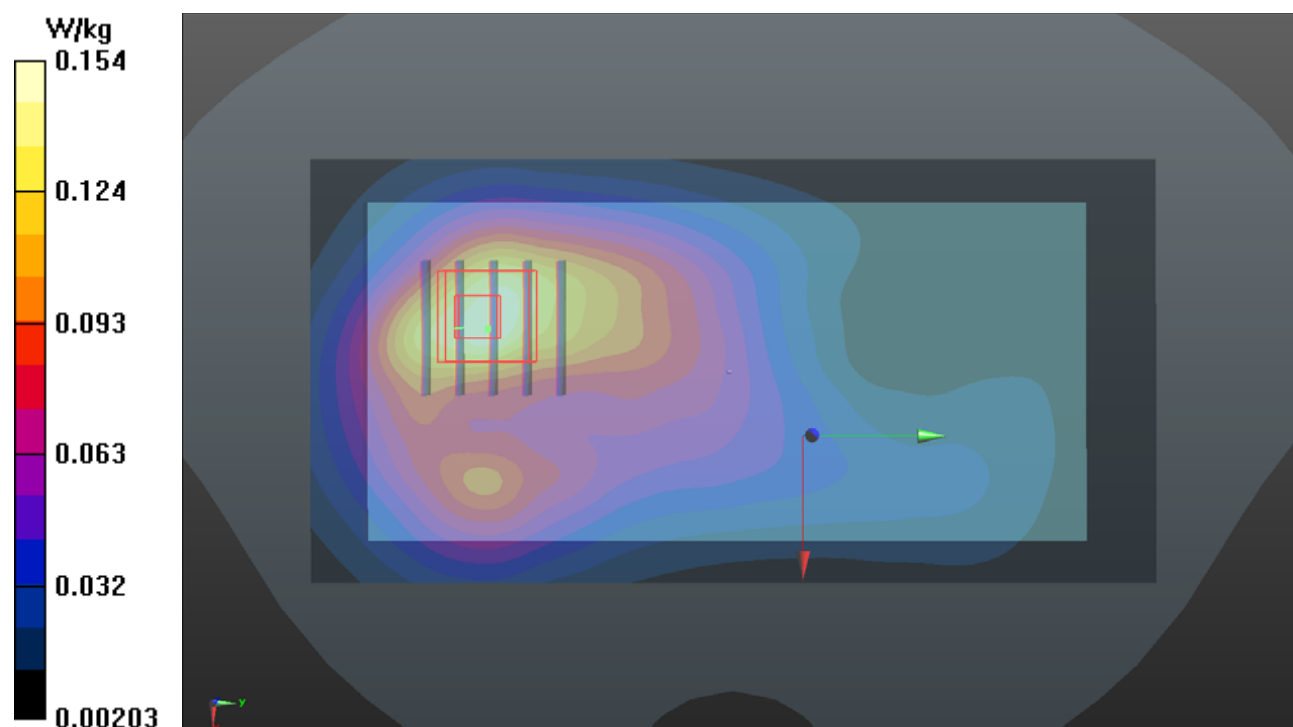
Peak SAR (extrapolated) = 0.179 W/kg

**SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.068 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 0.153 W/kg



## P23 WCDMA II\_RMC12.2K\_Rear Face\_15mm\_Ch9538\_Ant 0

**DUT: 200605C24**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1.95

Medium: H16T20N1\_0807 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.455 \text{ S/m}$ ;  $\epsilon_r = 39.218$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.8 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.4 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.02, 8.02, 8.02) @ 1907.6 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.361 \text{ W/kg}$

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

Reference Value =  $15.50 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

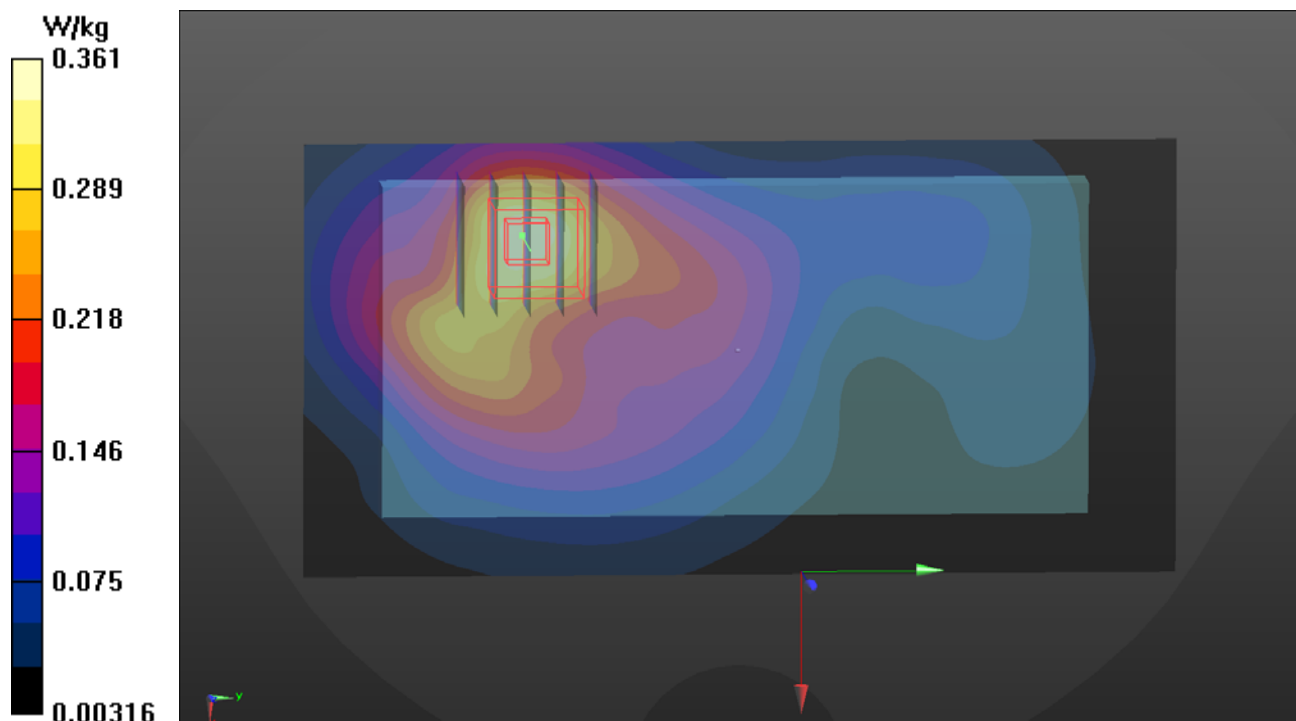
Peak SAR (extrapolated) =  $0.444 \text{ W/kg}$

**SAR(1 g) =  $0.249 \text{ W/kg}$ ; SAR(10 g) =  $0.148 \text{ W/kg}$**  (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below =  $19.3 \text{ mm}$

Ratio of SAR at M2 to SAR at M1 =  $57.6\%$

Maximum value of SAR (measured) =  $0.372 \text{ W/kg}$



## P24 WCDMA V\_RMC12.2K\_Rear Face\_15mm\_Ch4233\_Ant 0

**DUT: 200605C24**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 846.6 MHz; Duty Cycle: 1:1.95

Medium: H07T10N1\_0807 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 42.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.34, 10.34, 10.34) @ 846.6 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.387 W/kg

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

Reference Value = 20.88 V/m; Power Drift = -0.02 dB

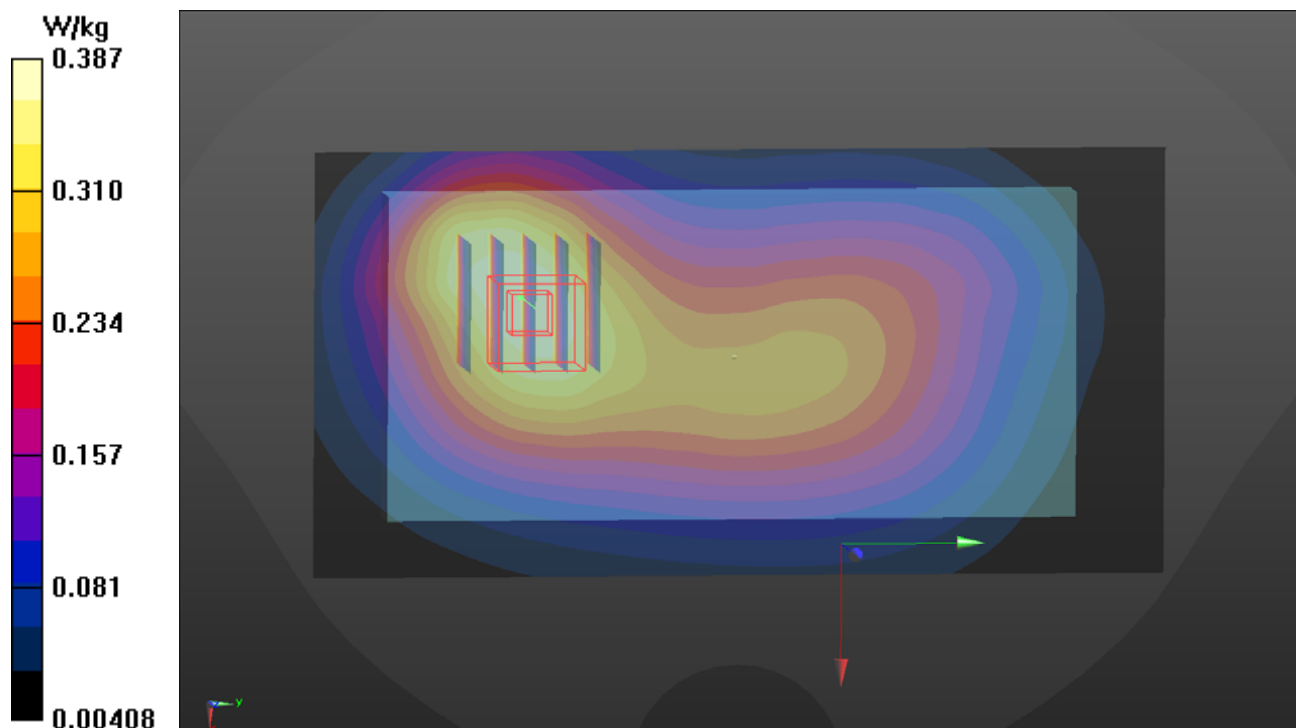
Peak SAR (extrapolated) = 0.438 W/kg

**SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.209 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 67.4%

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



**P25 LTE 2\_QPSK20M\_Front Face\_15mm\_Ch18700\_1RB\_OS0\_Ant 0**

**DUT: 200605C24**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1860 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1\_0807 Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.415 \text{ S/m}$ ;  $\epsilon_r = 39.337$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.02, 8.02, 8.02) @ 1860 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.613 W/kg

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

Reference Value = 21.28 V/m; Power Drift = 0.03 dB

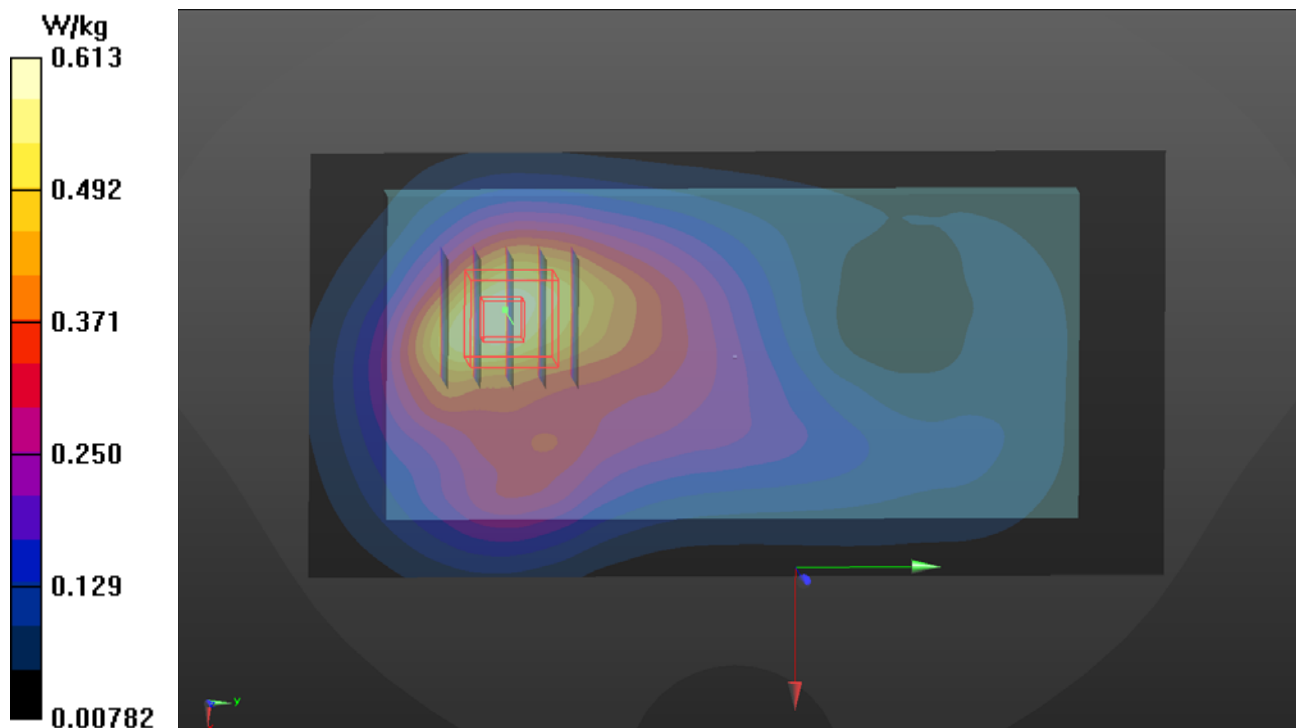
Peak SAR (extrapolated) = 0.713 W/kg

**SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.270 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 61.6%

Maximum value of SAR (measured) = 0.609 W/kg



**P26 LTE 4\_QPSK20M\_Front Face\_15mm\_Ch20175\_1RB\_OS0\_Ant 1****DUT: 200605C24**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1732.5 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1\_1020 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.309$  S/m;  $\epsilon_r = 39.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7555; ConvF(8.6, 8.6, 8.6) @ 1732.5 MHz; Calibrated: 2020/09/28

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

- Electronics: DAE4 Sn1589; Calibrated: 2020/09/15

- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.700 W/kg

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

Reference Value = 23.58 V/m; Power Drift = -0.08 dB

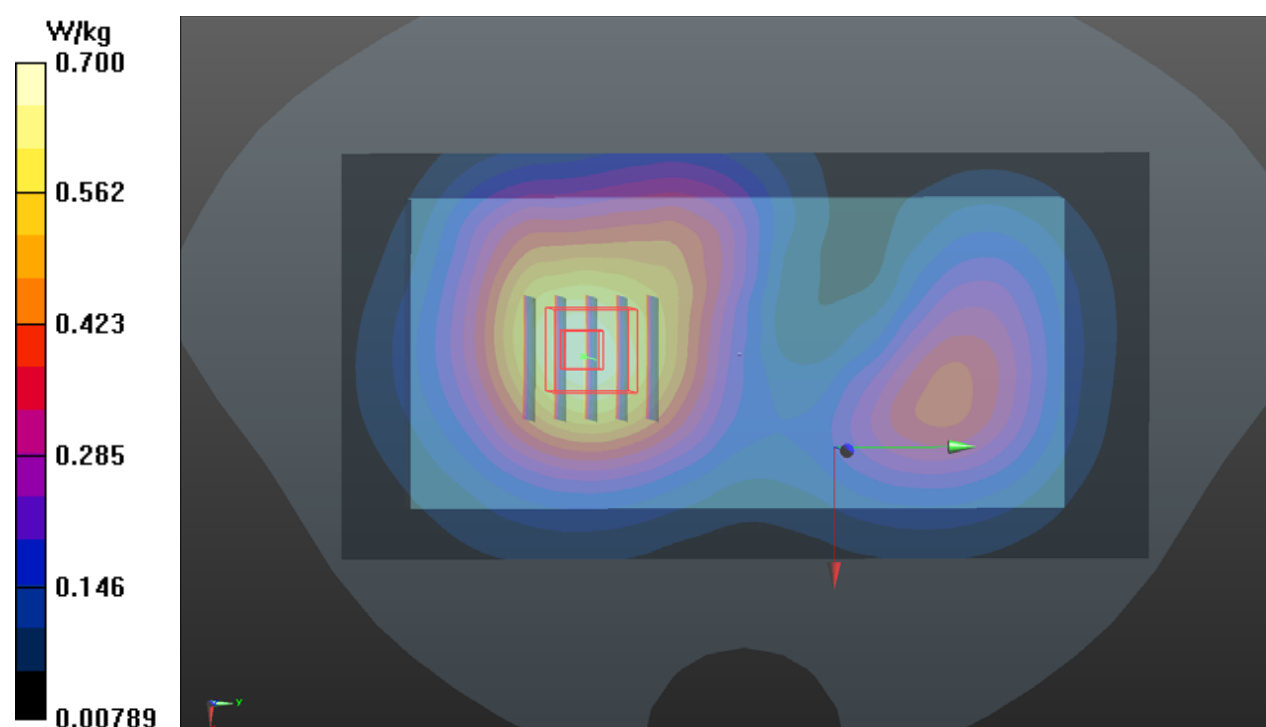
Peak SAR (extrapolated) = 0.789 W/kg

**SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.345 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 64.9%

Maximum value of SAR (measured) = 0.691 W/kg



**P27 LTE 5\_QPSK10M\_Front Face\_15mm\_Ch20600\_1RB\_OS0\_Ant 0**

**DUT: 200605C24**

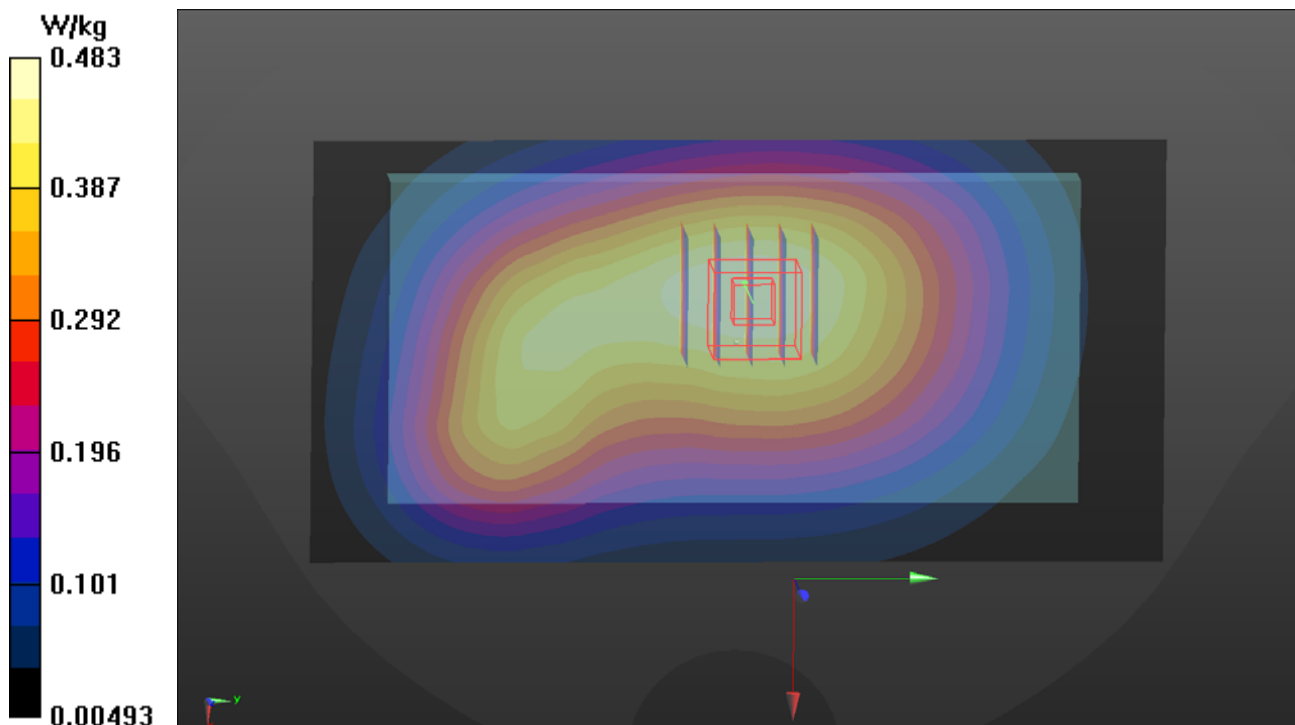
Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
 Frequency: 844 MHz; Duty Cycle: 1:3.74  
 Medium: H07T10N1\_0807 Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.93 \text{ S/m}$ ;  $\epsilon_r = 42.22$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.34, 10.34, 10.34) @ 844 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.483 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 23.45 V/m; Power Drift = -0.05 dB  
 Peak SAR (extrapolated) = 0.530 W/kg  
**SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.289 W/kg** (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
 Ratio of SAR at M2 to SAR at M1 = 73.6%  
 Maximum value of SAR (measured) = 0.479 W/kg





**P28 LTE 7\_QPSK20M\_Rear Face\_15mm\_Ch20850\_1RB\_OS0\_Ant 0**

**DUT: 200605C24**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 2510 MHz; Duty Cycle: 1:3.74

Medium: H19T27N1\_0807 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 38.148$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.18, 7.18, 7.18) @ 2510 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.682 W/kg

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

Reference Value = 18.83 V/m; Power Drift = 0.01 dB

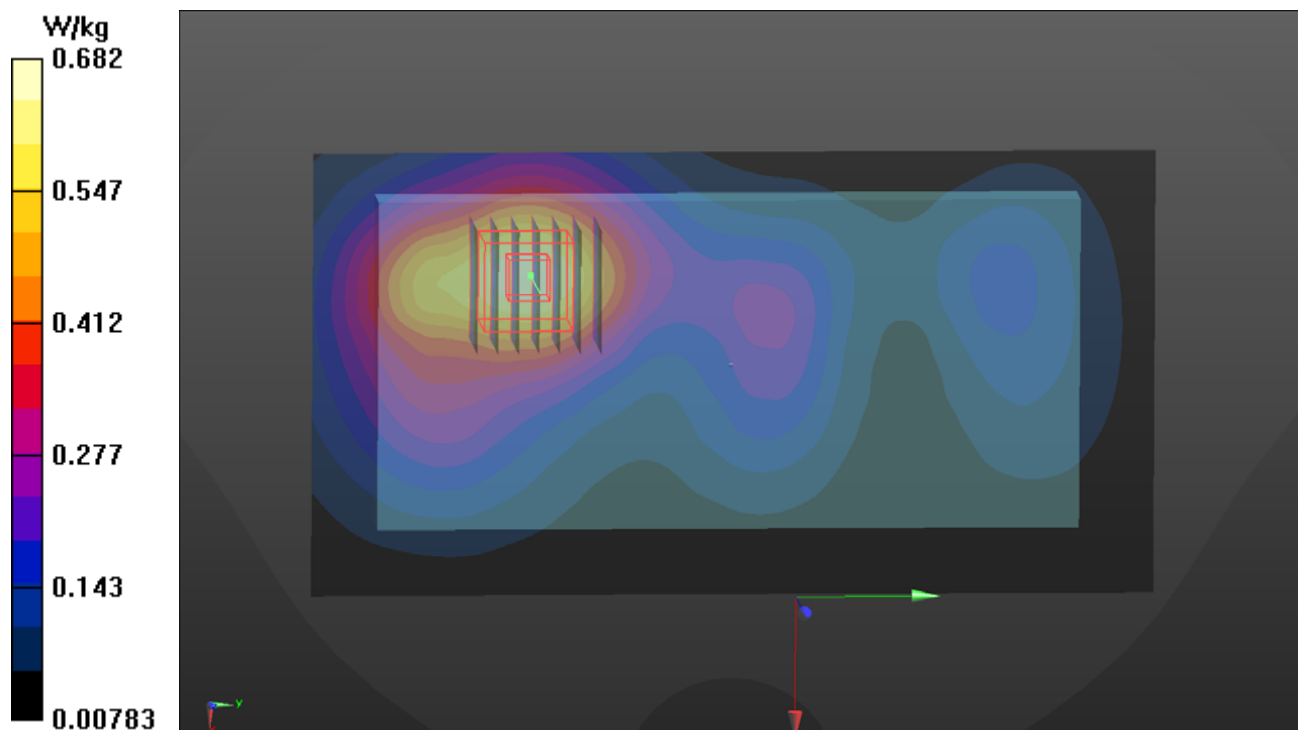
Peak SAR (extrapolated) = 0.812 W/kg

**SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.259 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 0.677 W/kg



## P29 LTE 12\_QPSK10M\_Front Face\_15mm\_Ch23060\_1RB\_OS0\_Ant 0

**DUT: 200605C24**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 704 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1\_0807 Medium parameters used:  $f = 704 \text{ MHz}$ ;  $\sigma = 0.846 \text{ S/m}$ ;  $\epsilon_r = 44.075$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.66, 10.66, 10.66) @ 704 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.323 W/kg

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

Reference Value = 20.49 V/m; Power Drift = -0.03 dB

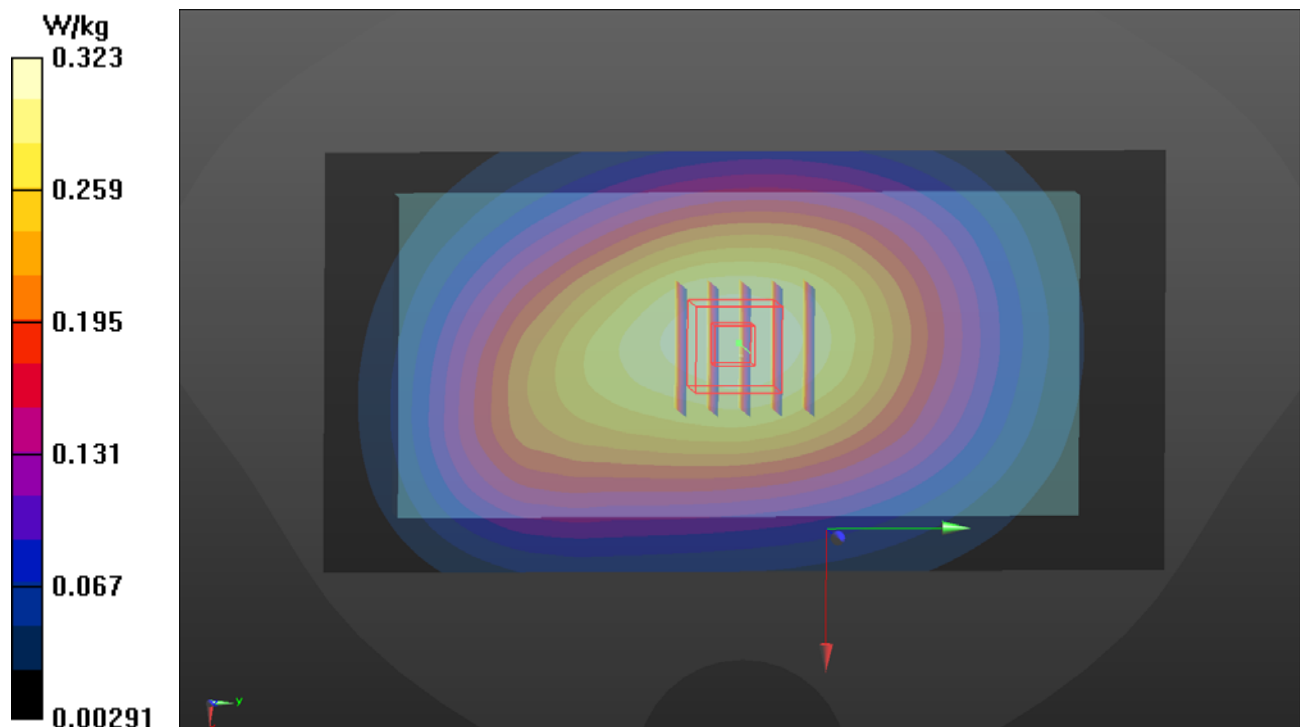
Peak SAR (extrapolated) = 0.350 W/kg

**SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.210 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 75.9%

Maximum value of SAR (measured) = 0.321 W/kg



**P30 LTE 13\_QPSK10M\_Front Face\_15mm\_Ch23230\_1RB\_OS0\_Ant 0**

**DUT: 200605C24**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 782 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1\_0807 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.918 \text{ S/m}$ ;  $\epsilon_r = 43.076$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.66, 10.66, 10.66) @ 782 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.357 W/kg

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

Reference Value = 20.57 V/m; Power Drift = -0.02 dB

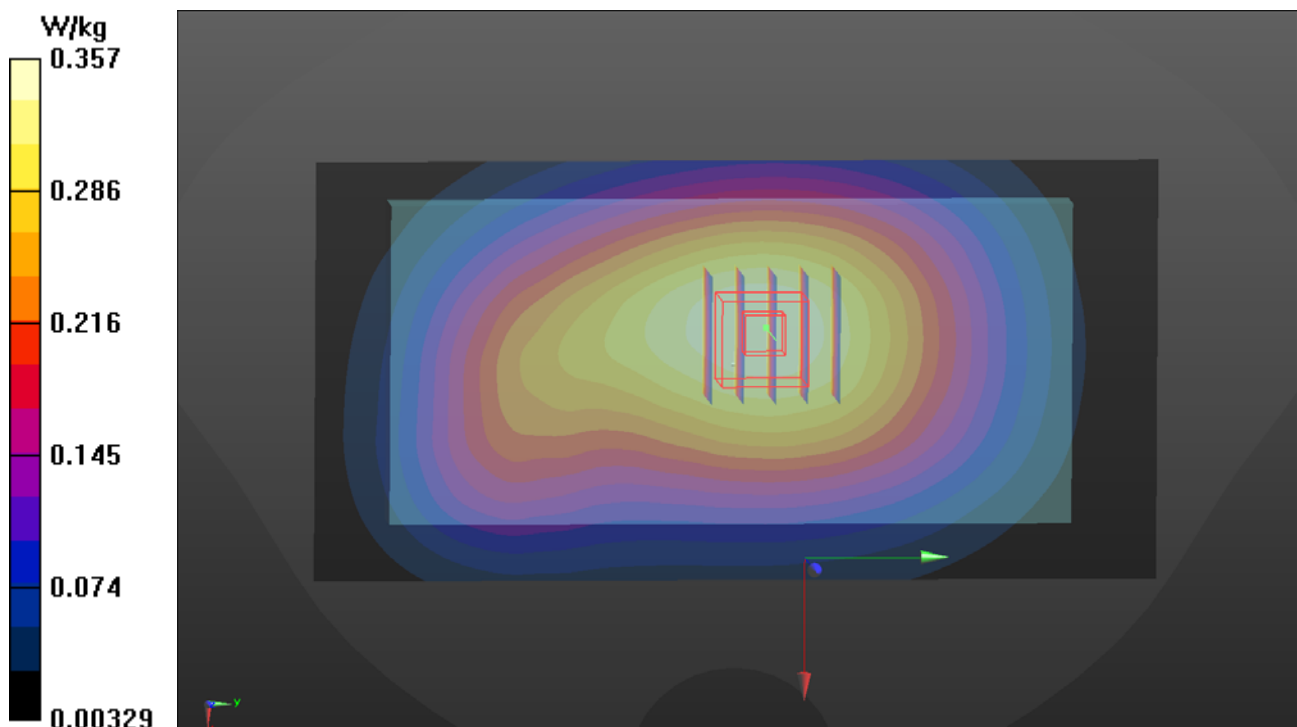
Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.219 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 75.7%

Maximum value of SAR (measured) = 0.355 W/kg



### P31 LTE 48\_QPSK20M\_Rear Face\_15mm\_Ch56210\_1RB\_OS0\_Ant 1

**DUT: 200605C24**

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 3647 MHz; Duty Cycle: 1:8.33

Medium: H34T38N1\_0807 Medium parameters used:  $f = 3647$  MHz;  $\sigma = 3.003$  S/m;  $\epsilon_r = 36.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(6.53, 6.53, 6.53) @ 3647 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm

Reference Value = 20.36 V/m; Power Drift = -0.03 dB

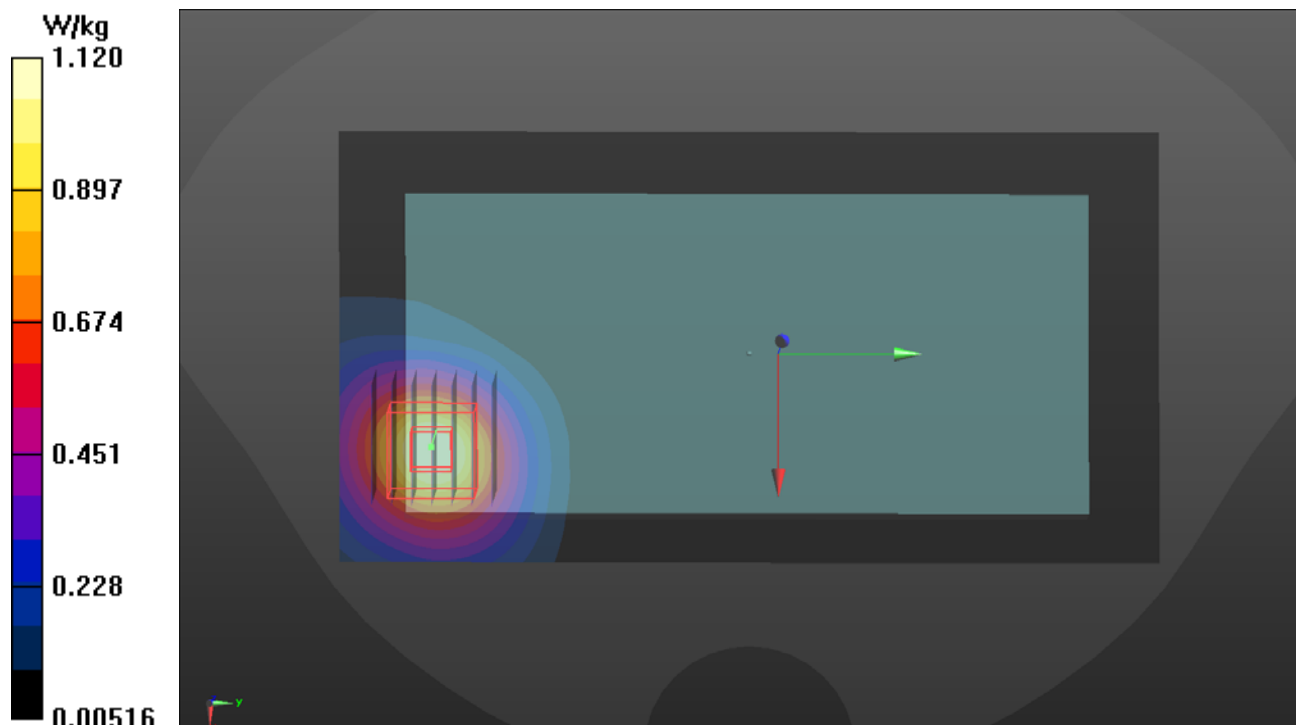
Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.319 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 15.5 mm

Ratio of SAR at M2 to SAR at M1 = 64.8%

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



**P32 LTE 66\_QPSK20M\_Front Face\_15mm\_Ch132072\_1RB\_OS99\_Ant 0**

**DUT: 200605C24**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
 Frequency: 1720 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1\_0807 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.296$  S/m;  $\epsilon_r = 39.864$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.47, 8.47, 8.47) @ 1720 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.600 W/kg

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

Reference Value = 22.05 V/m; Power Drift = -0.03 dB

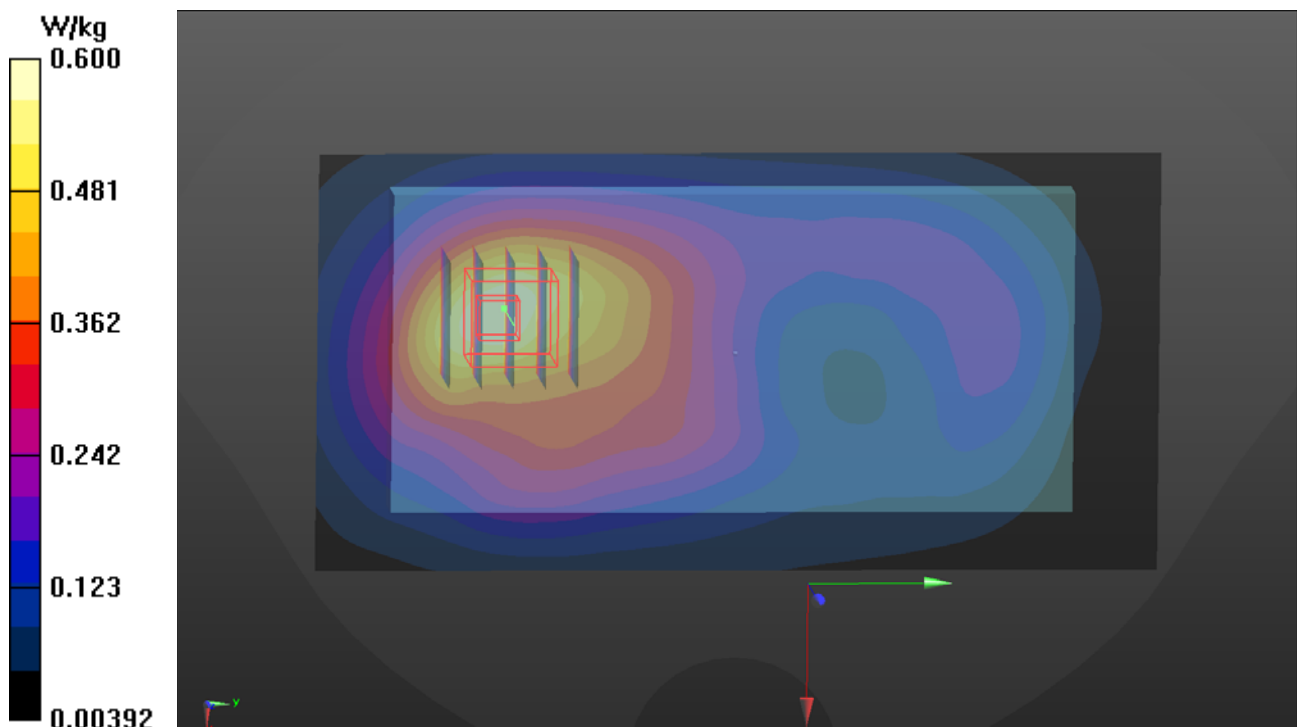
Peak SAR (extrapolated) = 0.685 W/kg

**SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.290 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 21.5 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 0.591 W/kg



### P33 5G NR n2\_DFT-S QPSK20M\_Front Face\_15mm\_Ch372000\_1RB\_OS1\_Ant 1

**DUT: 200605C24**

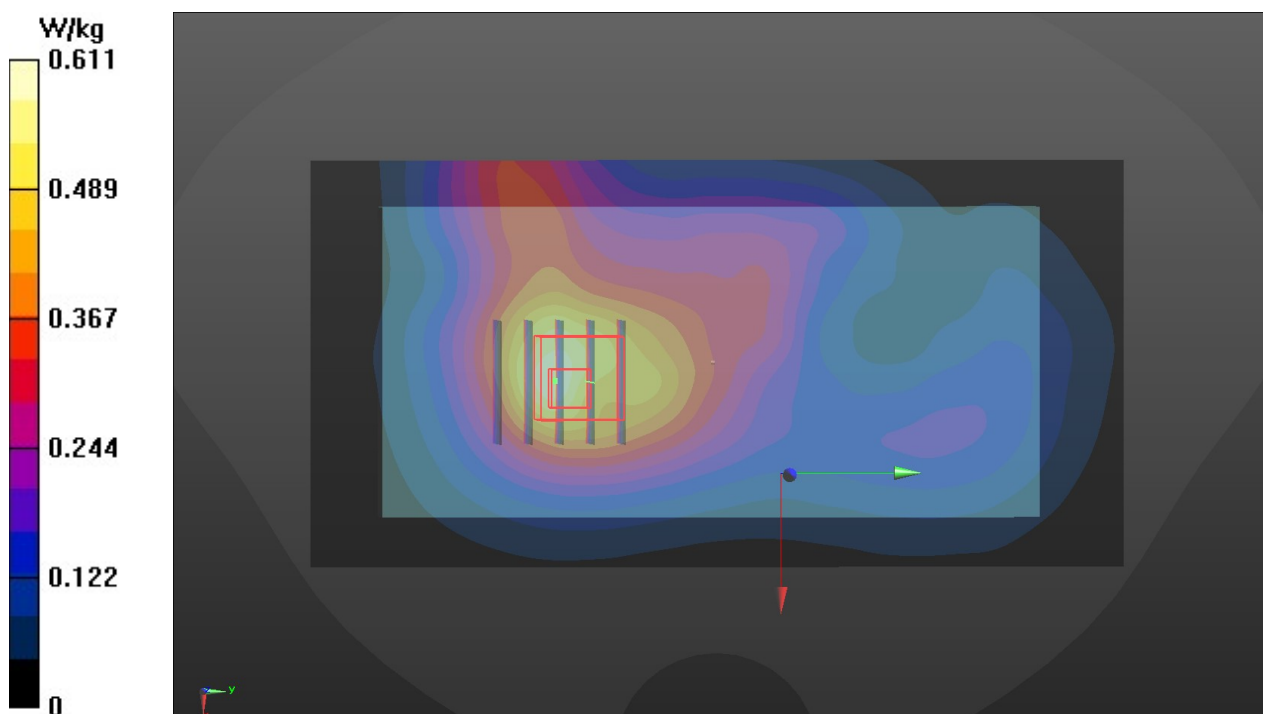
Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 1860 MHz; Duty Cycle: 1:3.56  
Medium: H16T20N1\_0826 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.427$  S/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.4, 7.4, 7.4) @ 1860 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.611 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 18.98 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 0.723 W/kg  
**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.270 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below = 20.5 mm  
Ratio of SAR at M2 to SAR at M1 = 54.2%  
Maximum value of SAR (measured) = 0.609 W/kg



### P34 5G NR n5\_DFT-S QPSK20M\_Front Face\_15mm\_Ch166800\_1RB\_OS1\_Ant 0

DUT: 200605C24

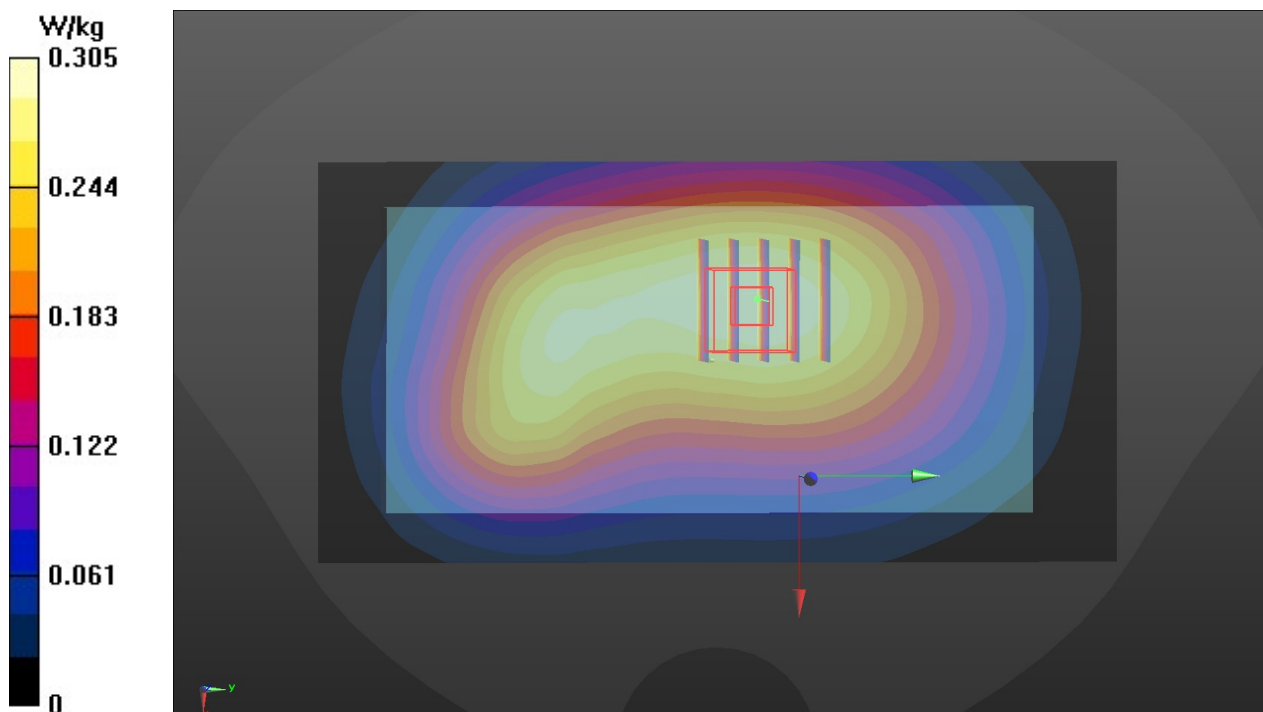
Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 834 MHz; Duty Cycle: 1:3.56  
Medium: H07T10N1\_0826 Medium parameters used:  $f = 834$  MHz;  $\sigma = 0.914$  S/m;  $\epsilon_r = 42.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.01, 9.01, 9.01) @ 834 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.305 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 18.89 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 0.336 W/kg  
**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.194 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
Ratio of SAR at M2 to SAR at M1 = 76.2%  
Maximum value of SAR (measured) = 0.309 W/kg





### P35 5G NR n66\_DFT-S QPSK20M\_Front Face\_15mm\_Ch349000\_1RB\_OS1\_Ant 1

**DUT: 200605C24**

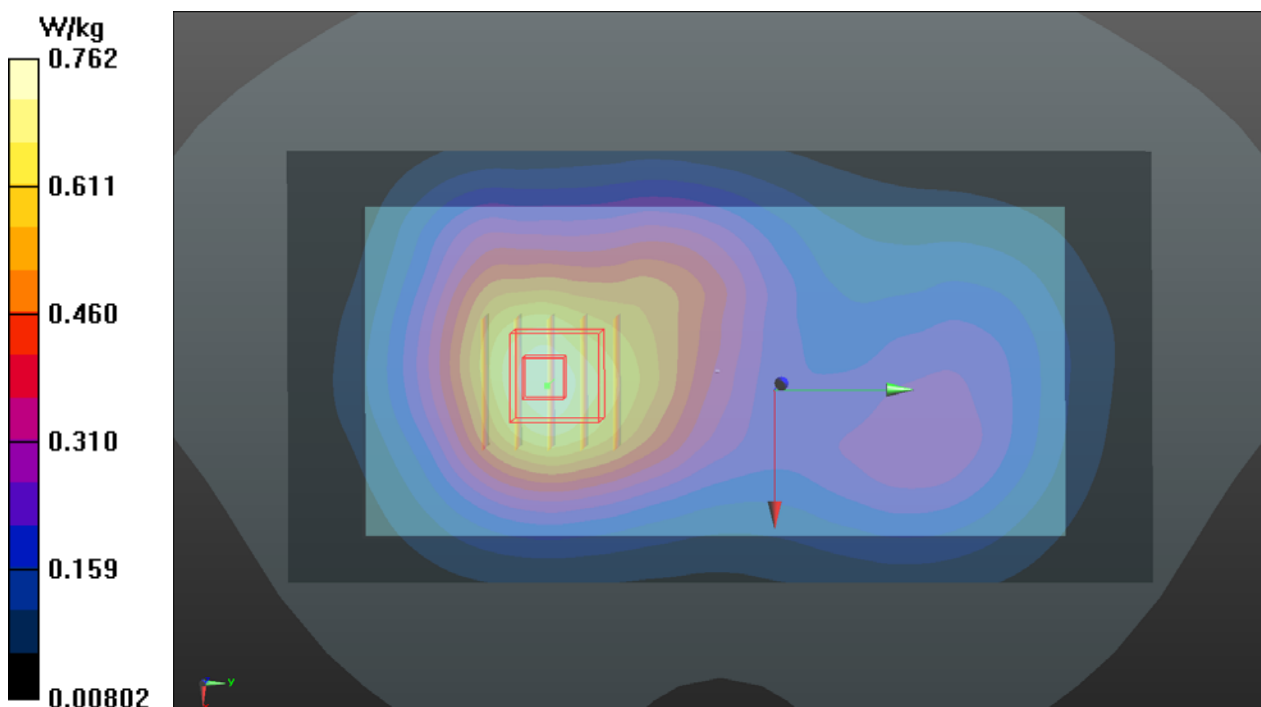
Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 1745 MHz; Duty Cycle: 1:3.56  
Medium: H16T20N1\_1012 Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.322$  S/m;  $\epsilon_r = 38.875$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.47, 8.47, 8.47) @ 1745 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.762 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 23.68 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.820 W/kg  
**SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.38 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
Ratio of SAR at M2 to SAR at M1 = 65.5%  
Maximum value of SAR (measured) = 0.727 W/kg



### P36 WLAN2.4G\_802.11b\_Rear Face\_15mm\_Ch1\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2412 MHz; Duty Cycle: 1:1.09

Medium: H19T27N1\_0828 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.827$  S/m;  $\epsilon_r = 38.238$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.85, 6.85, 6.85) @ 2412 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x181x1):** 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=5mm, dy=5mm, dz=5mm

Reference Value = 10.26 V/m; Power Drift = -0.07 dB

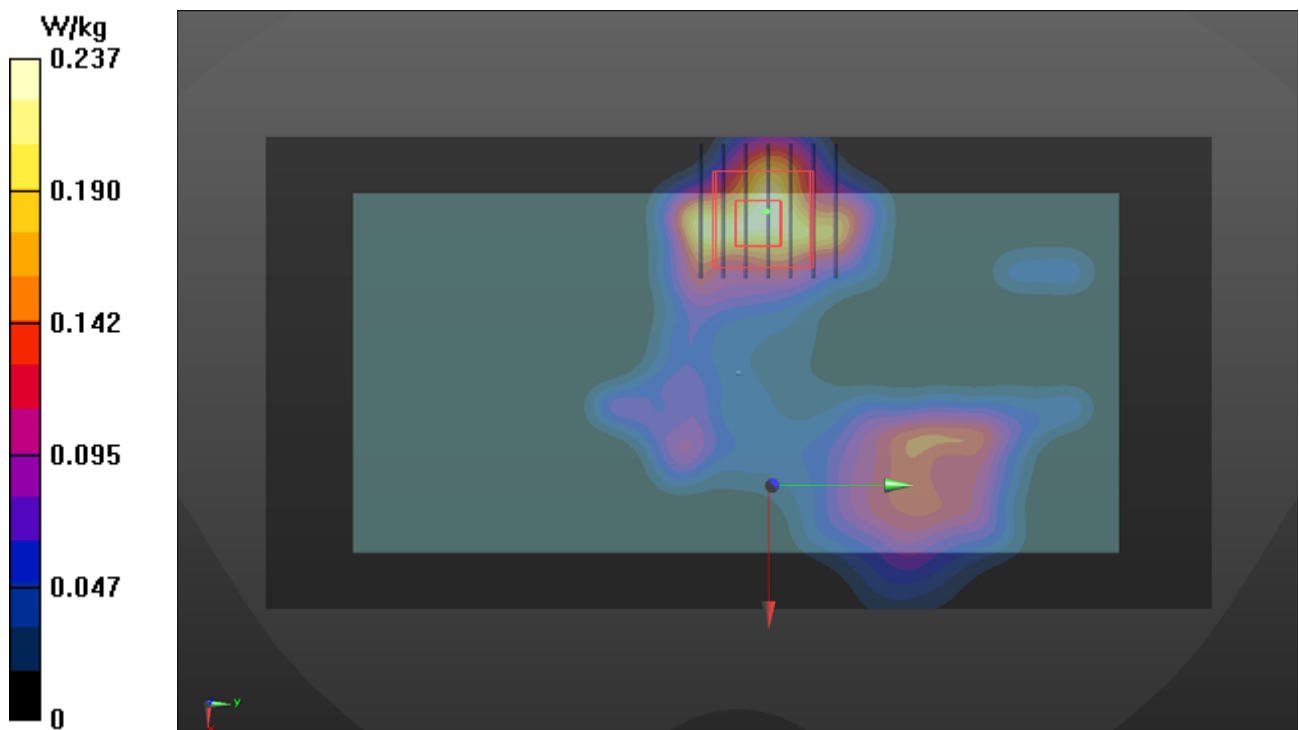
Peak SAR (extrapolated) = 0.244 W/kg

**SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.065 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 12 mm

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 0.195 W/kg



## P37 WLAN5.3G\_802.11a\_Rear Face\_15mm\_Ch52\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5260 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1\_0824 Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.631$  S/m;  $\epsilon_r = 34.901$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.75, 4.75, 4.75) @ 5260 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (111x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.231 W/kg

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

Reference Value = 6.407 V/m; Power Drift = -0.03 dB

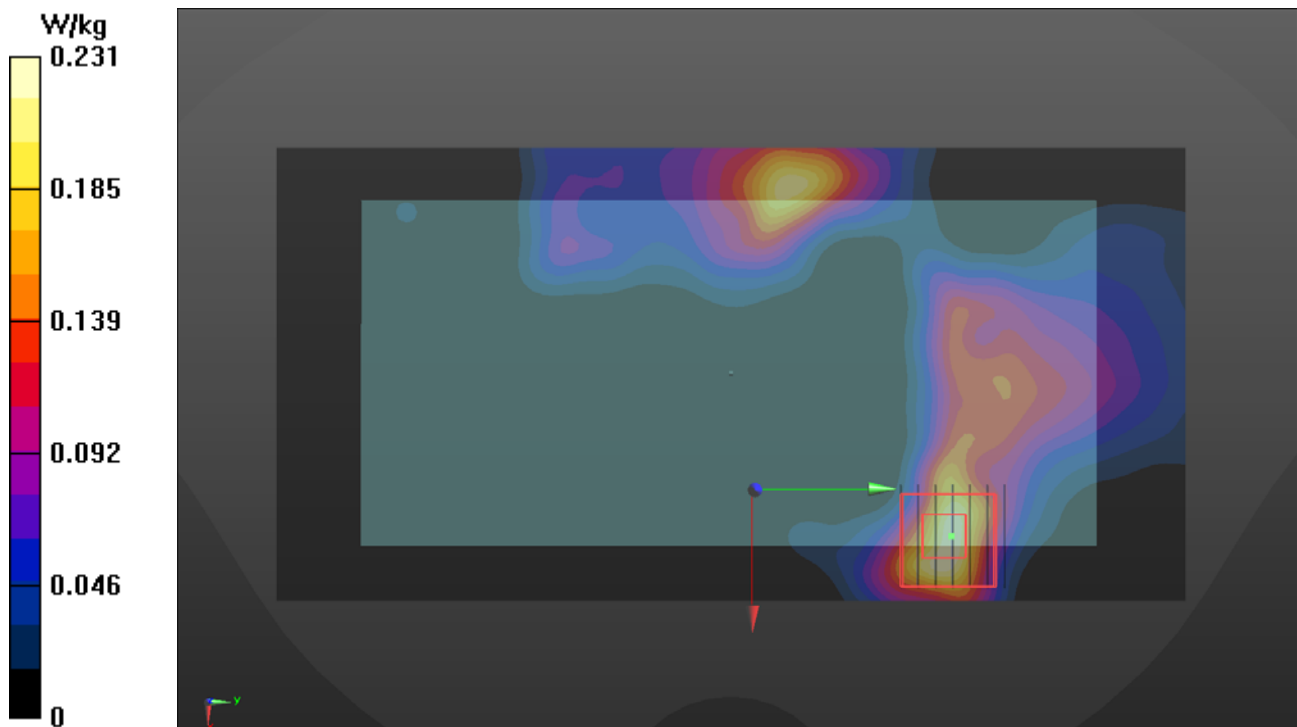
Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.031 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 12 mm

Ratio of SAR at M2 to SAR at M1 = 67.2%

Maximum value of SAR (measured) = 0.188 W/kg



## P38 WLAN5.6G\_802.11a\_Rear Face\_15mm\_Ch116\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5580 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1\_0824 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 4.93$  S/m;  $\epsilon_r = 34.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.37, 4.37, 4.37) @ 5580 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (121x211x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.352 W/kg

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

Reference Value = 8.790 V/m; Power Drift = -0.13 dB

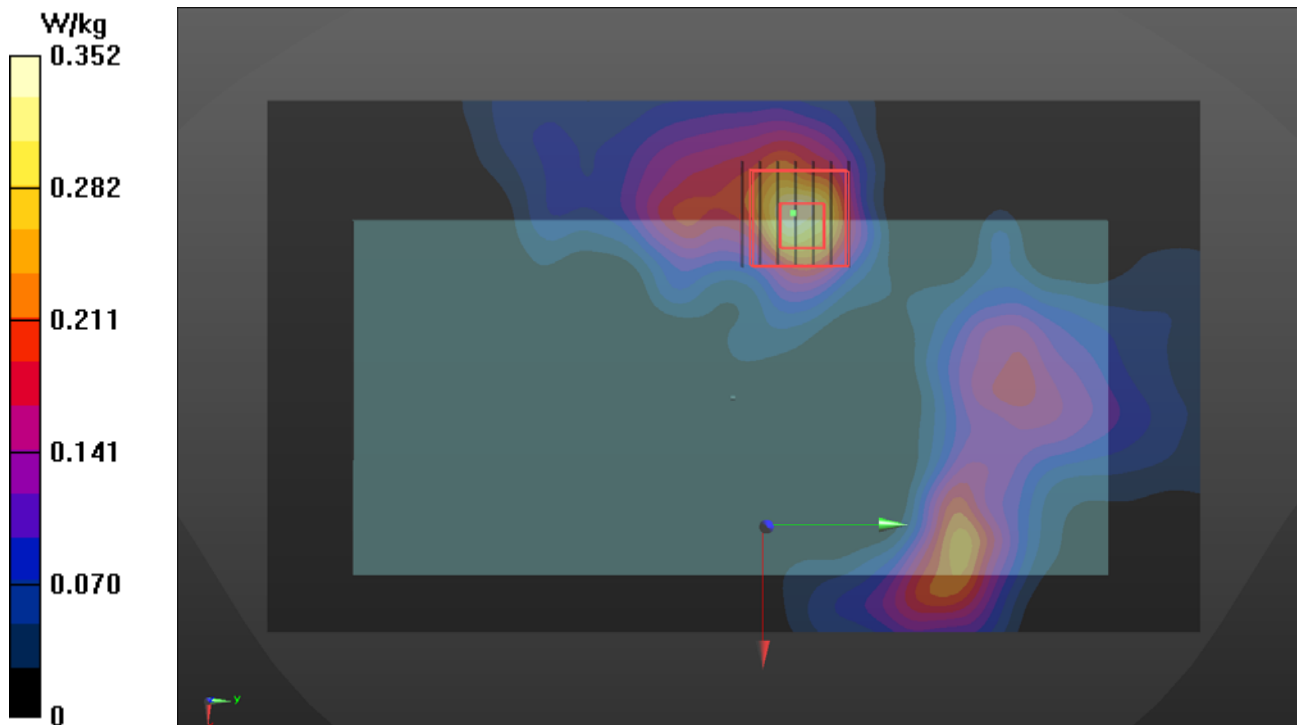
Peak SAR (extrapolated) = 0.553 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.047 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 62%

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



### P39 WLAN5.8G\_802.11a\_Rear Face\_15mm\_Ch165\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5825 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1\_0824 Medium parameters used:  $f = 5825$  MHz;  $\sigma = 5.215$  S/m;  $\epsilon_r = 34.013$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.4, 4.4, 4.4) @ 5825 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (121x211x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.670 W/kg

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

Reference Value = 10.84 V/m; Power Drift = 0.06 dB

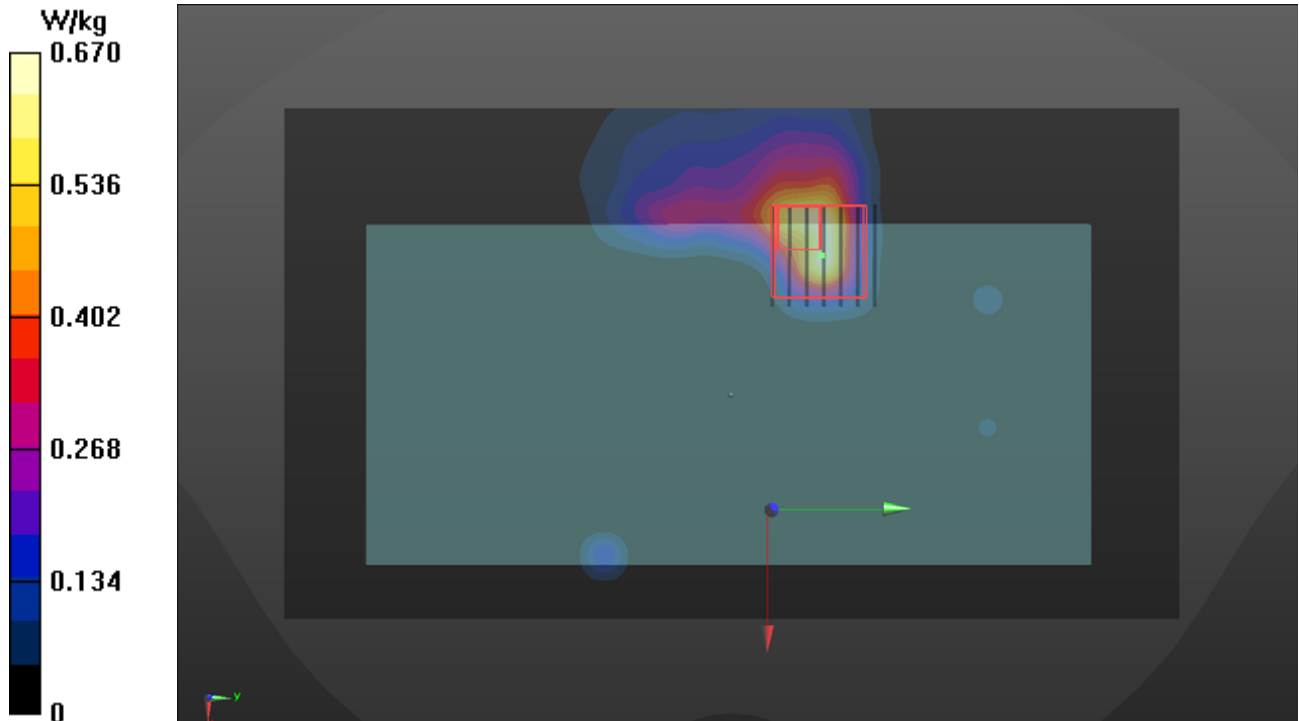
Peak SAR (extrapolated) = 0.842 W/kg

**SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.071 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 14 mm

Ratio of SAR at M2 to SAR at M1 = 59.9%

Maximum value of SAR (measured) = 0.493 W/kg



## P40 BT\_BDR\_Rear Face\_15mm\_Ch0\_Ant 0

**DUT: 200605C24**

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402 MHz; Duty Cycle: 1:1.32

Medium: H19T27N1\_0828 Medium parameters used (interpolated):  $f = 2402$  MHz;  $\sigma = 1.818$  S/m;  $\epsilon_r = 38.277$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.85, 6.85, 6.85) @ 2402 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0109 W/kg

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

Reference Value = 2.533 V/m; Power Drift = 0.04 dB

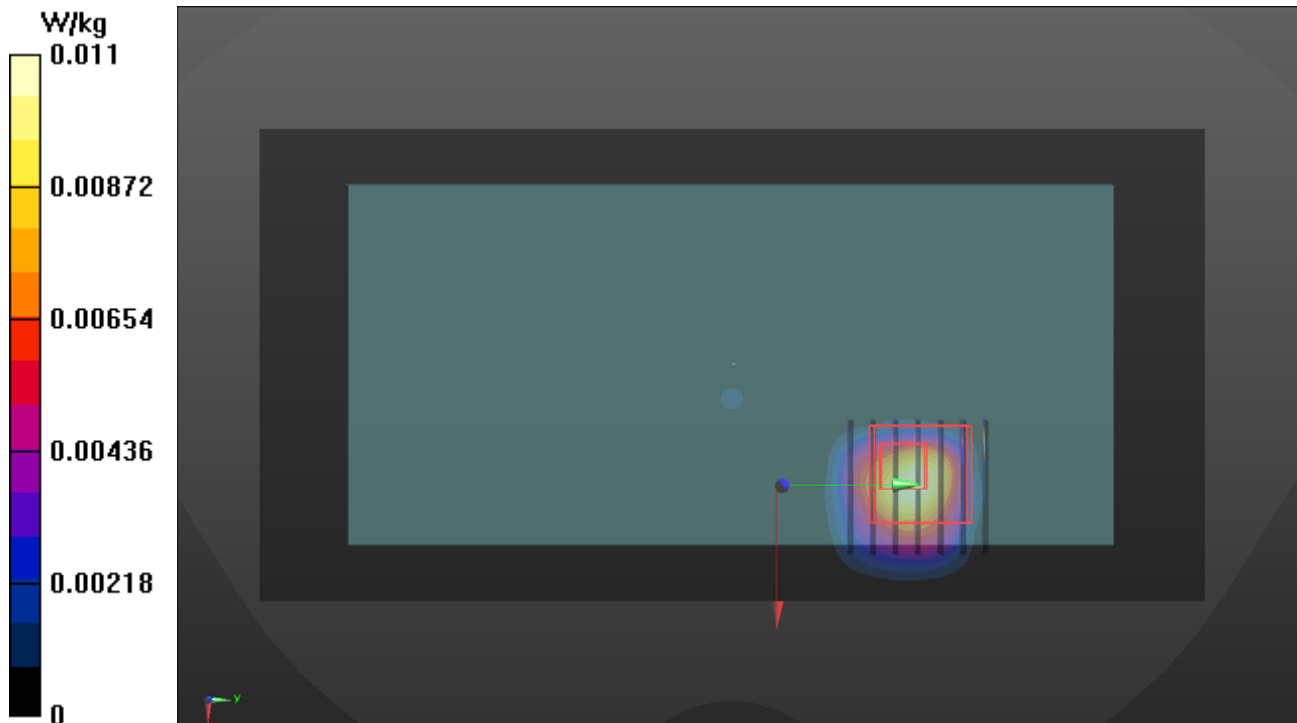
Peak SAR (extrapolated) = 0.0230 W/kg

**SAR(1 g) = 0.00614 W/kg; SAR(10 g) = 0.00207 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 0%

Maximum value of SAR (measured) = 0.0157 W/kg



### P41 GSM850\_GPRS12\_Front Face\_10mm\_Ch189\_Ant 0

**DUT: 200605C24**

Communication System: UID 10028 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3); Frequency: 836.4 MHz; Duty Cycle: 1:2.27

Medium: H07T10N1\_0826 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 41.704$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.79, 9.79, 9.79) @ 836.4 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.672 W/kg

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

Reference Value = 27.16 V/m; Power Drift = -0.01 dB

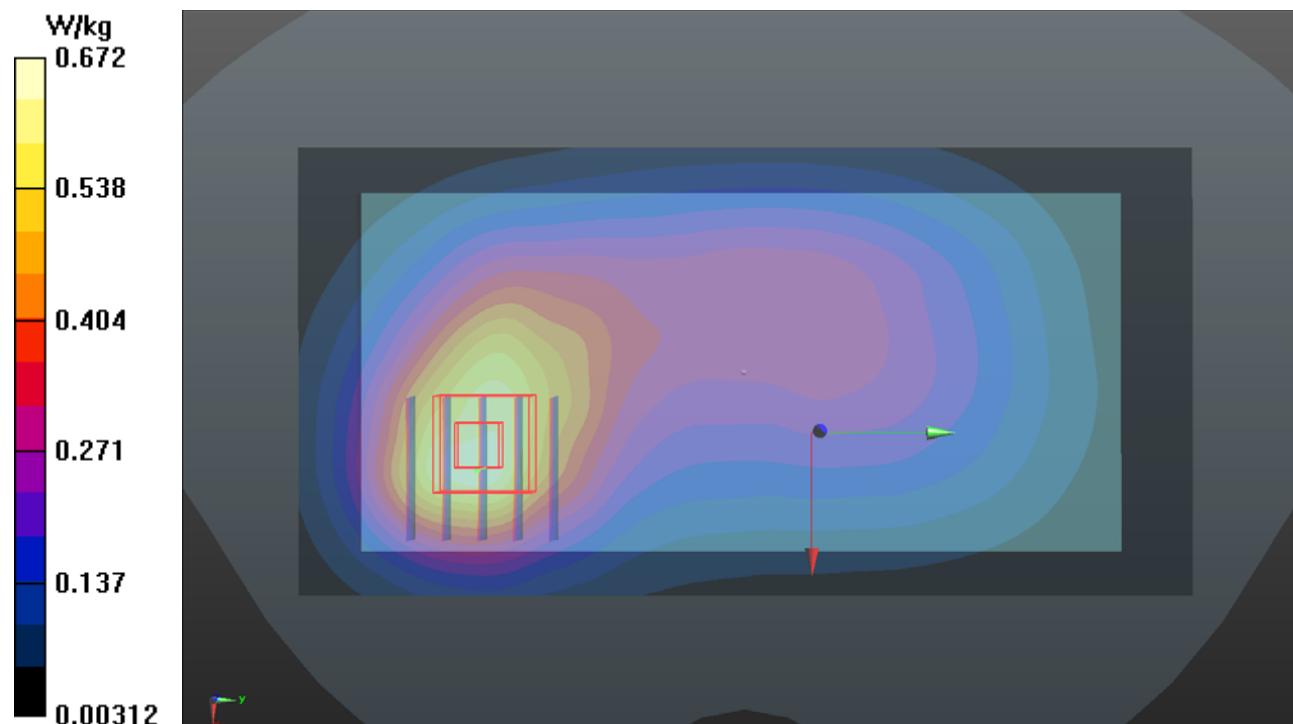
Peak SAR (extrapolated) = 0.701 W/kg

**SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.327 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 19.3 mm

Ratio of SAR at M2 to SAR at M1 = 68.4%

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





### P42 GSM1900\_GPRS12\_Front Face\_10mm\_Ch661\_Ant 0

**DUT: 200605C24**

Communication System: UID 10028 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3); Frequency: 1880 MHz; Duty Cycle: 1:2.27

Medium: H16T20N1\_0826 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.441$  S/m;  $\epsilon_r = 39.646$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.25, 8.25, 8.25) @ 1880 MHz; Calibrated: 2019/12/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin SAM Phantom\_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.302 W/kg

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

Reference Value = 14.68 V/m; Power Drift = -0.03 dB

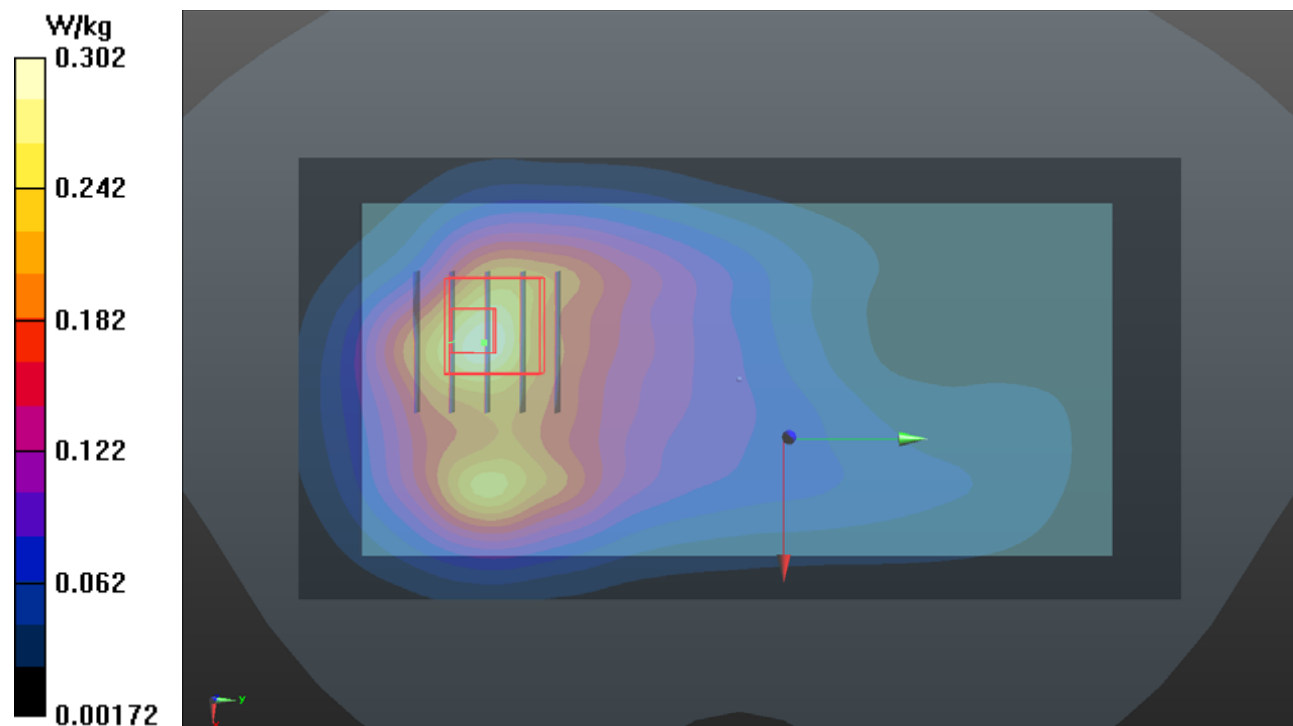
Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.122 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 59.8%

Maximum value of SAR (measured) = 0.292 W/kg



### P43 WCDMA II\_RMC12.2K\_Rear Face\_10mm\_Ch9538\_Ant 0

**DUT: 200605C24**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1.95

Medium: H16T20N1\_0729 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.469$  S/m;  $\epsilon_r = 38.193$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.34, 8.34, 8.34) @ 1907.6 MHz; Calibrated: 2019/08/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2019/08/27
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.634 W/kg

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

Reference Value = 20.07 V/m; Power Drift = 0.05 dB

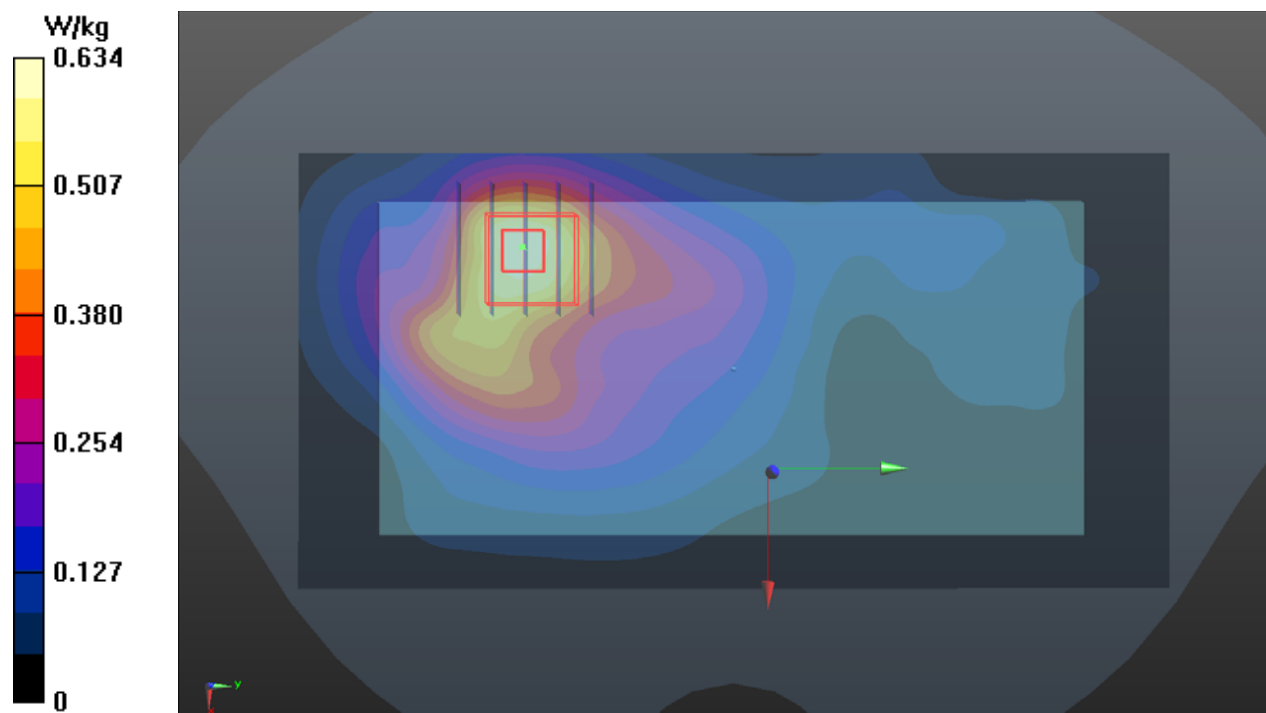
Peak SAR (extrapolated) = 0.767 W/kg

**SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.272 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 16.3 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

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



## P44 WCDMA V\_RMC12.2K\_Rear Face\_10mm\_Ch4233\_Ant 0

**DUT: 200605C24**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 846.6 MHz; Duty Cycle: 1:1.95

Medium: H07T10N1\_0729 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 41.876$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(10.18, 10.18, 10.18) @ 846.6 MHz; Calibrated: 2019/08/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2019/08/27
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.645 W/kg

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

Reference Value = 26.85 V/m; Power Drift = -0.01 dB

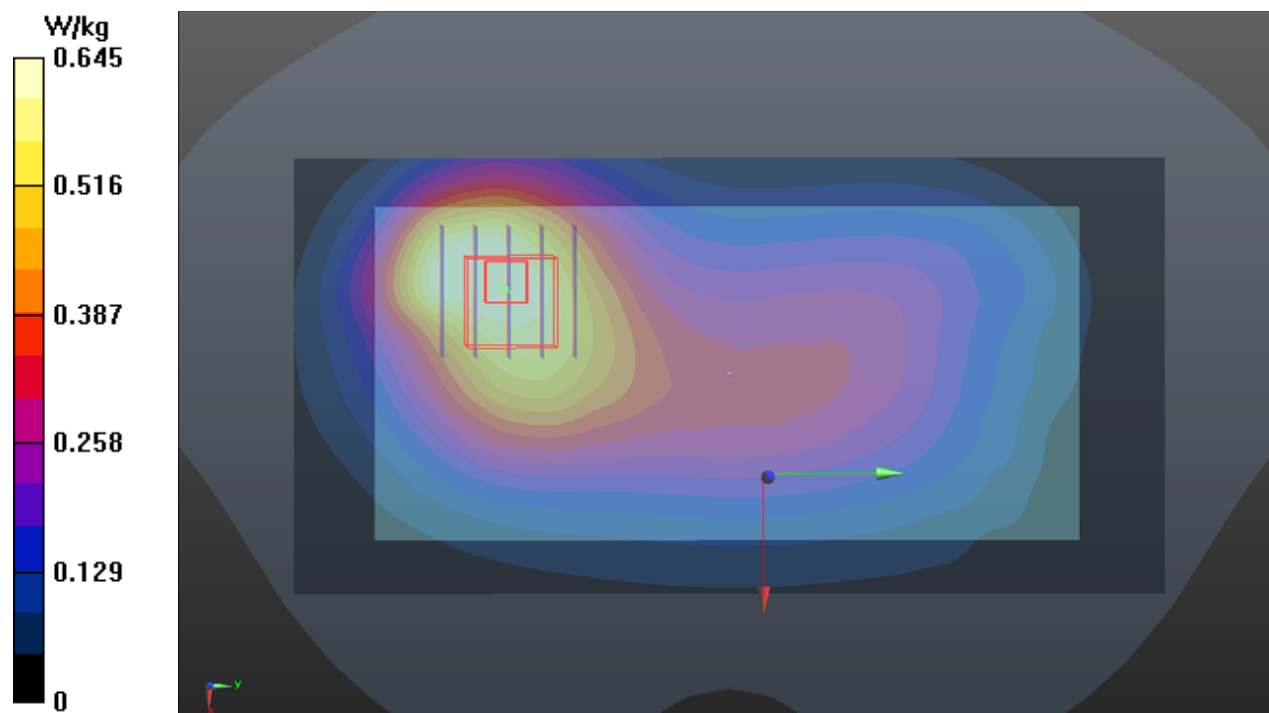
Peak SAR (extrapolated) = 0.714 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.352 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 70.9%

Maximum value of SAR (measured) = 0.636 W/kg



### P45 LTE 2\_QPSK20M\_Front Face\_10mm\_Ch18700\_1RB\_OS0\_Ant 0

**DUT: 200605C24**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1860 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1\_0729 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 38.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.34, 8.34, 8.34) @ 1860 MHz; Calibrated: 2019/08/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2019/08/27
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.879 W/kg

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

Reference Value = 25.08 V/m; Power Drift = -0.01 dB

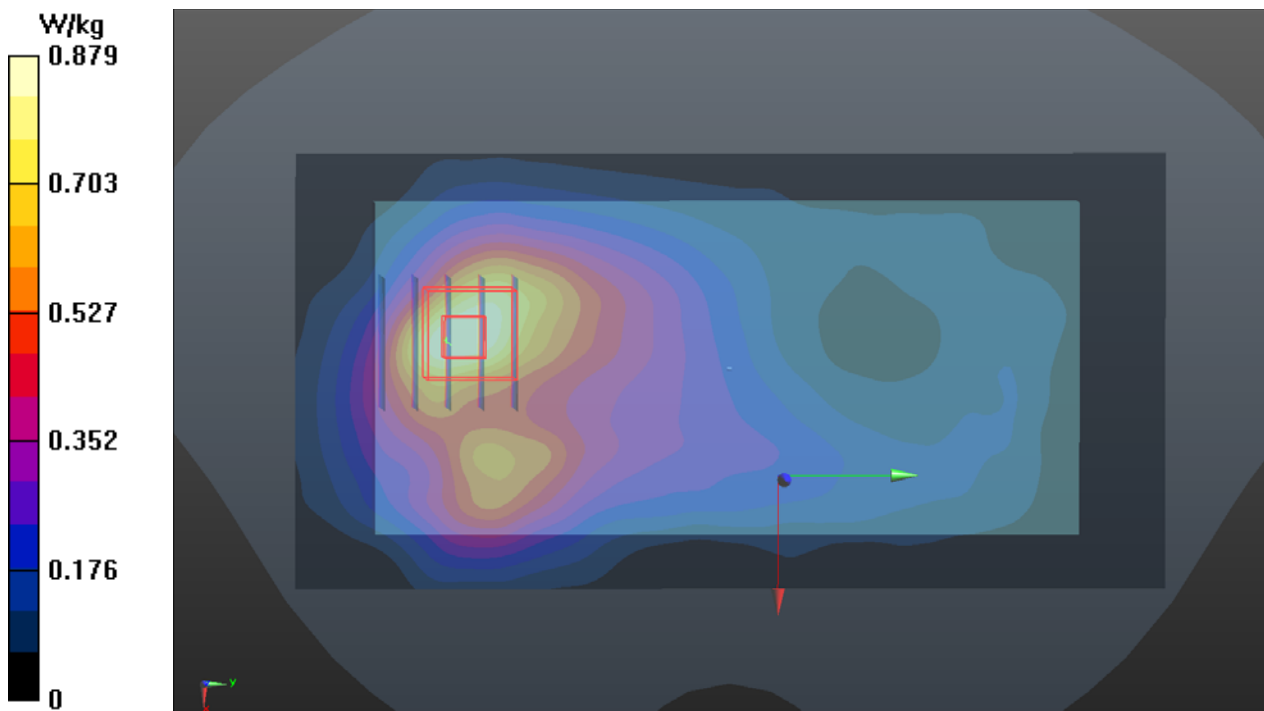
Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.403 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

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



## P46 LTE 4\_QPSK20M\_Front Face\_10mm\_Ch20175\_1RB\_OS0\_Ant 1

**DUT: 200605C24**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1732.5 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1\_1020 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.309$  S/m;  $\epsilon_r = 39.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7555; ConvF(8.6, 8.6, 8.6) @ 1732.5 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2020/09/15
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 29.64 V/m; Power Drift = -0.10 dB

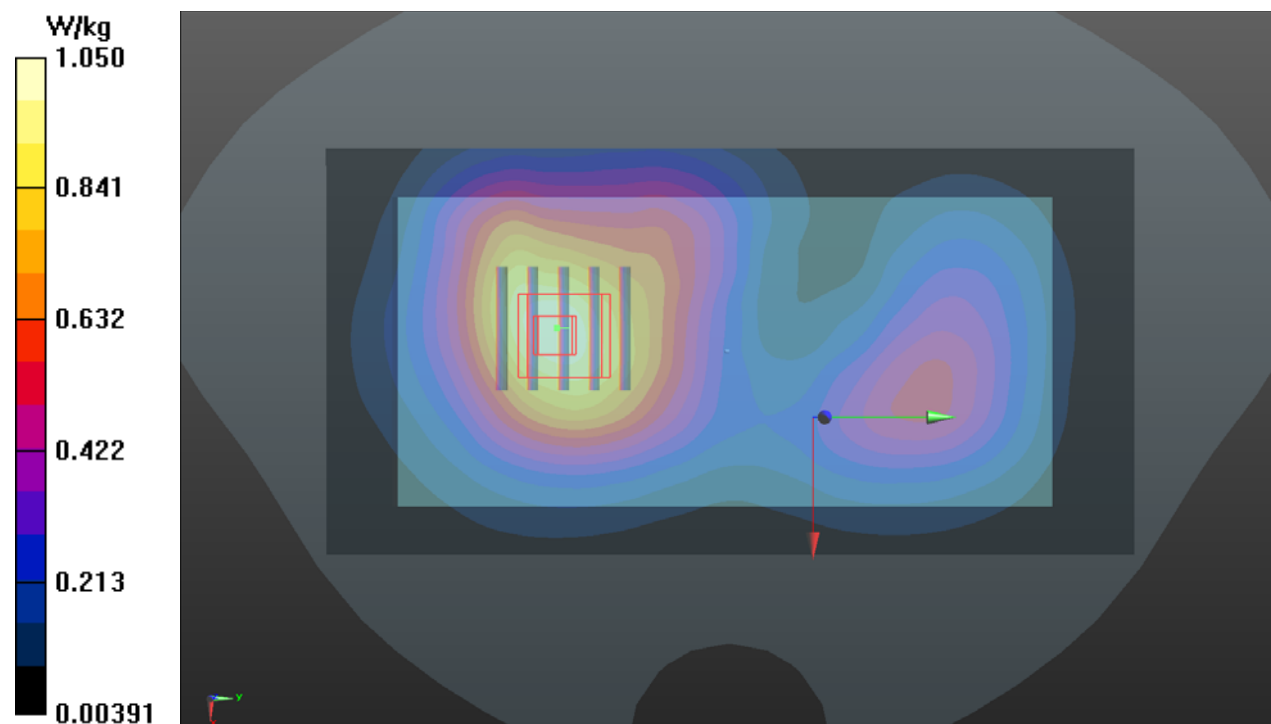
Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.523 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 65.4%

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



### P47 LTE 5\_QPSK10M\_Rear Face\_10mm\_Ch20525\_1RB\_OS0\_Ant 0

**DUT: 200605C24**

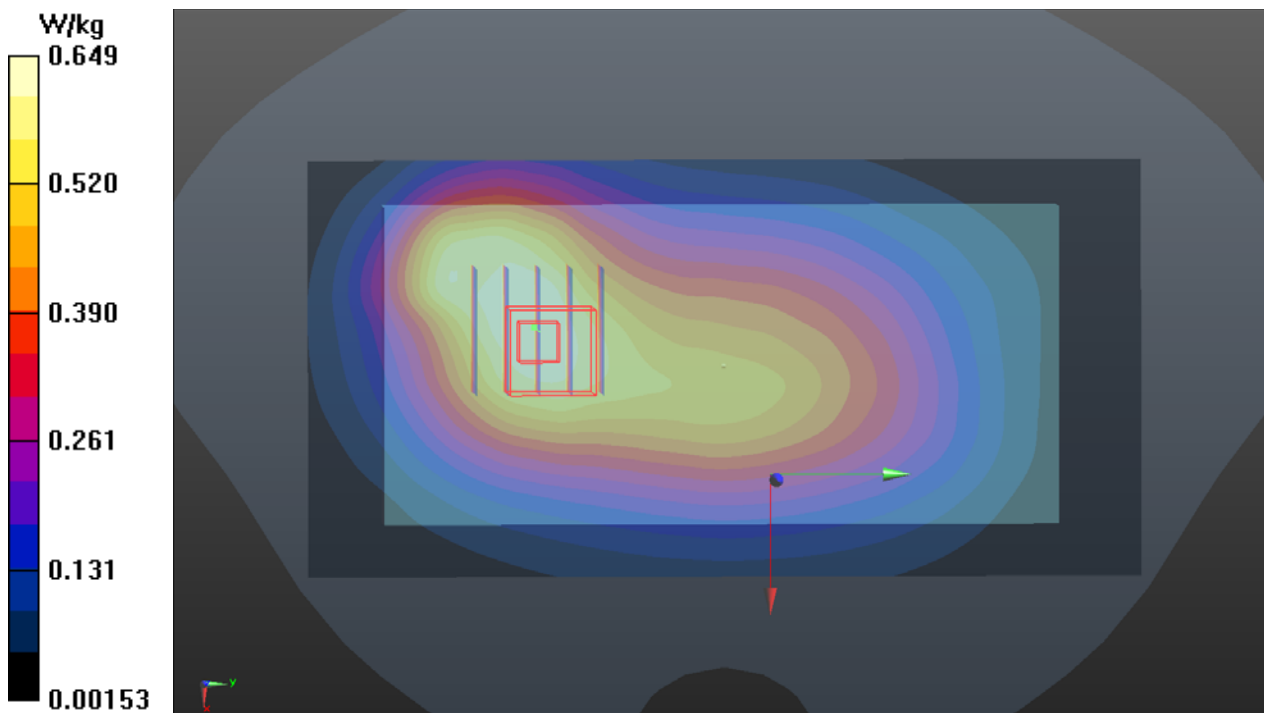
Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 836.5 MHz; Duty Cycle: 1:3.74  
Medium: H07T10N1\_0729 Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.93$  S/m;  
 $\epsilon_r = 42.002$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(10.18, 10.18, 10.18) @ 836.5 MHz; Calibrated: 2019/08/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2019/08/27
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.649 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 27.56 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 0.704 W/kg  
**SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.387 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
Ratio of SAR at M2 to SAR at M1 = 74.7%  
Maximum value of SAR (measured) = 0.645 W/kg



### P48 LTE 7\_QPSK20M\_Bottom Side\_10mm\_Ch20850\_1RB\_OS0\_Ant 0

**DUT: 200605C24**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 2510 MHz; Duty Cycle: 1:3.74

Medium: H19T27N1\_0730 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.925$  S/m;  $\epsilon_r = 37.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.64, 7.64, 7.64) @ 2510 MHz; Calibrated: 2019/08/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2019/08/27
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (51x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

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

Reference Value = 24.28 V/m; Power Drift = 0.02 dB

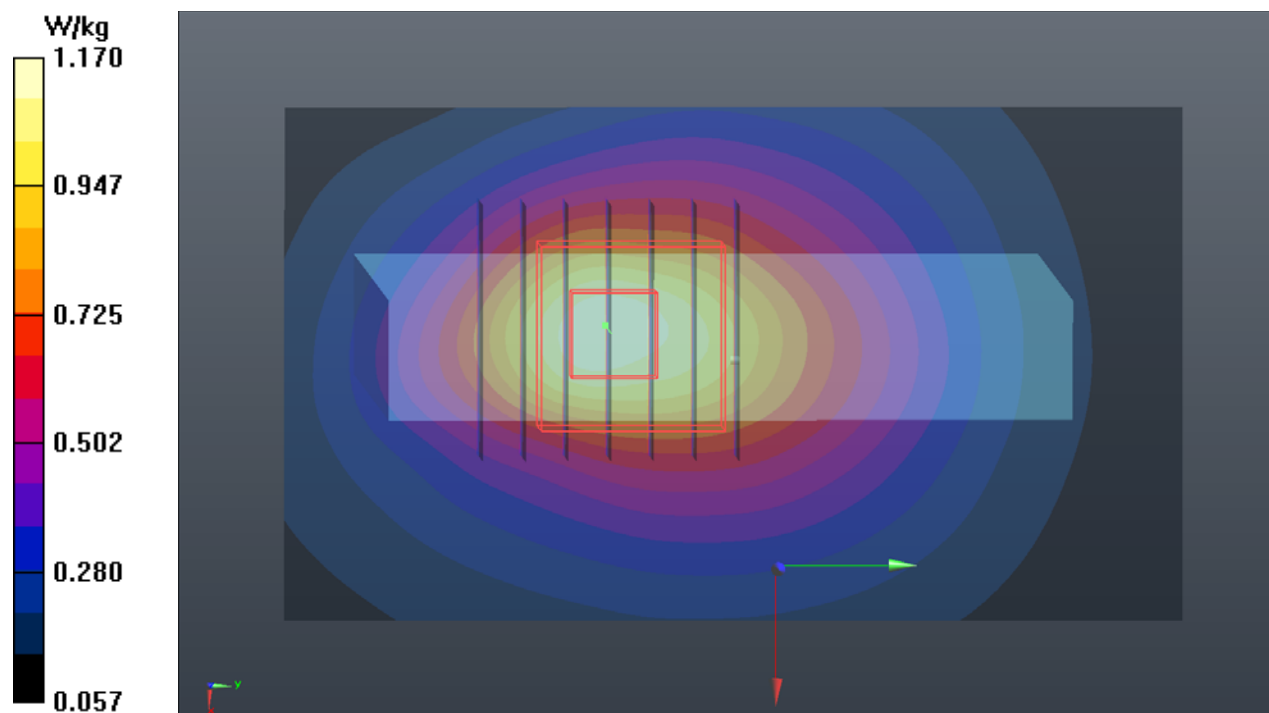
Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.764 W/kg; SAR(10 g) = 0.435 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.9 mm

Ratio of SAR at M2 to SAR at M1 = 56.4%

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





### P49 LTE 12\_QPSK10M\_Rear Face\_10mm\_Ch23130\_1RB\_OS0\_Ant 0

**DUT: 200605C24**

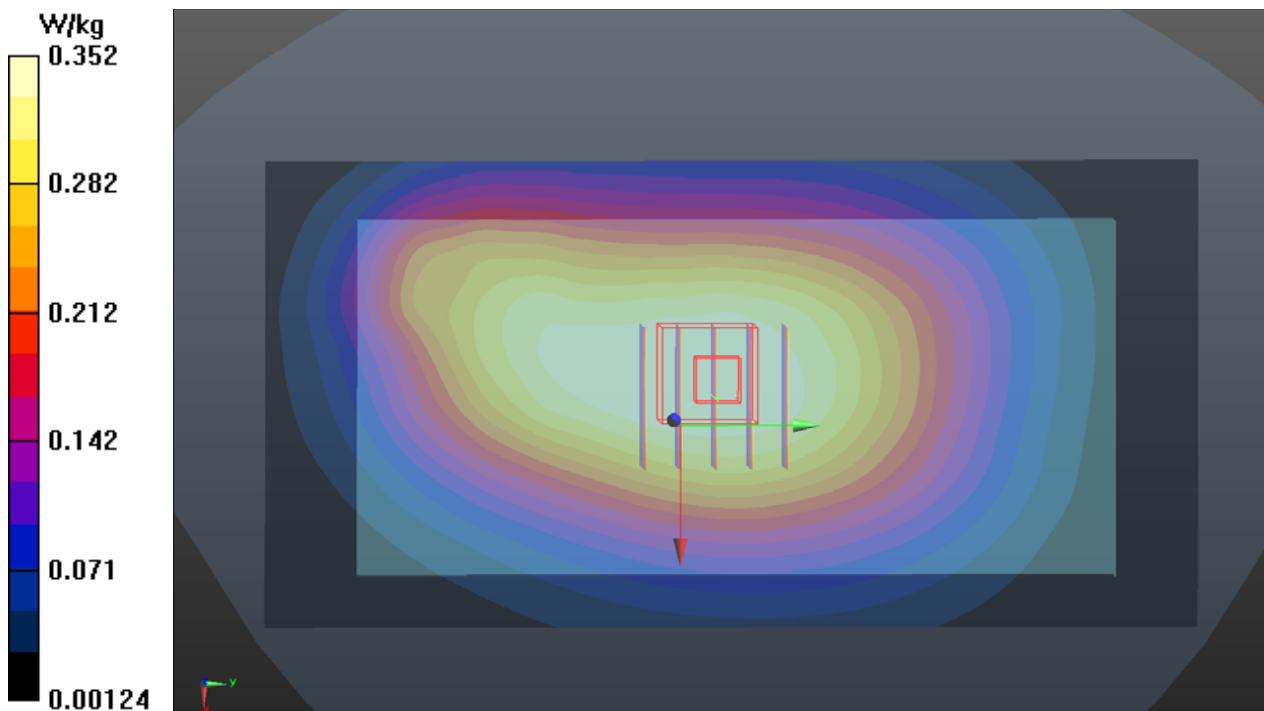
Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 711 MHz; Duty Cycle: 1:3.74  
Medium: H06T09N1\_0730 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.861$  S/m;  $\epsilon_r = 43.015$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7472; ConvF(10.49, 10.49, 10.49) @ 711 MHz; Calibrated: 2019/08/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2019/08/27
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.352 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 20.86 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.374 W/kg  
**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.238 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
Ratio of SAR at M2 to SAR at M1 = 78.8%  
Maximum value of SAR (measured) = 0.348 W/kg



## P50 LTE 13\_QPSK10M\_Rear Face\_10mm\_Ch23230\_1RB\_OS0\_Ant 0

**DUT: 200605C24**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 782 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1\_0730 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.933 \text{ S/m}$ ;  $\epsilon_r = 42.466$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.7 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(10.49, 10.49, 10.49) @ 782 MHz; Calibrated: 2019/08/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2019/08/27
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.394 \text{ W/kg}$

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

Reference Value =  $21.31 \text{ V/m}$ ; Power Drift =  $-0.11 \text{ dB}$

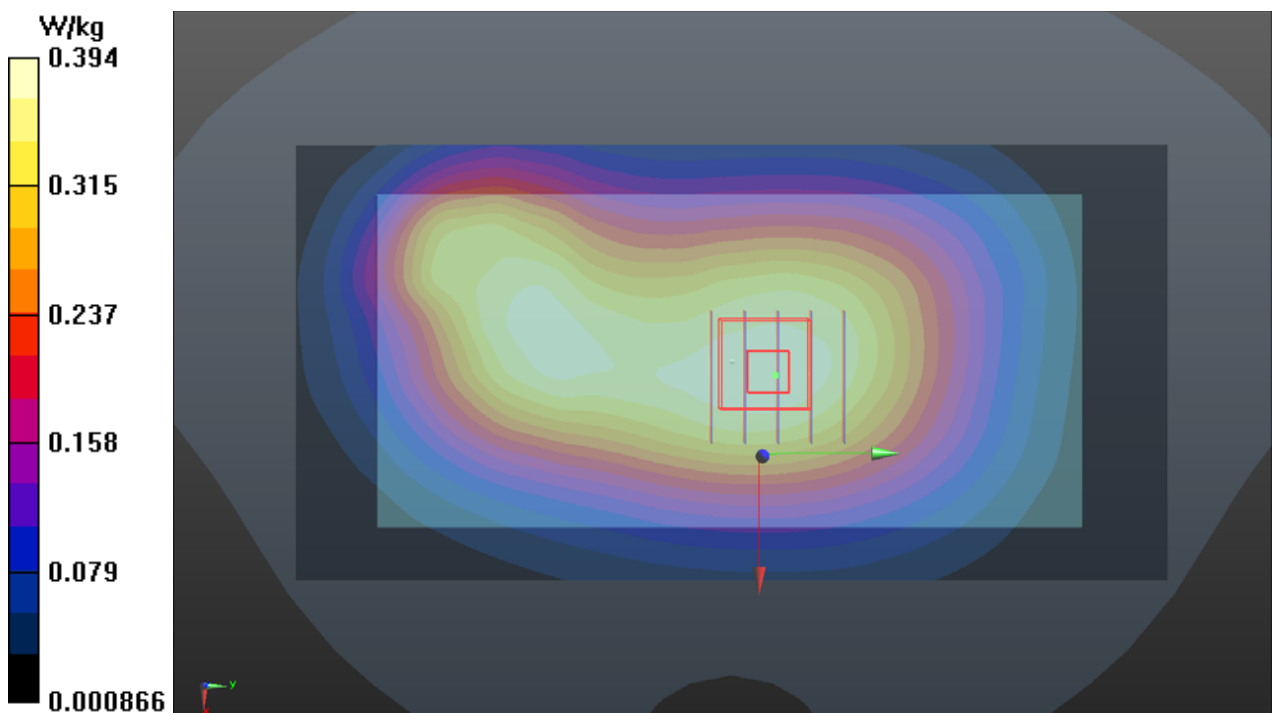
Peak SAR (extrapolated) =  $0.422 \text{ W/kg}$

**SAR(1 g) =  $0.321 \text{ W/kg}$ ; SAR(10 g) =  $0.249 \text{ W/kg}$**  (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 =  $78.1\%$

Maximum value of SAR (measured) =  $0.393 \text{ W/kg}$



## P51 LTE 48\_QPSK20M\_Rear Face\_10mm\_Ch56640\_1RB\_OS0\_Ant 1

**DUT: 200605C24**

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 3690 MHz; Duty Cycle: 1:8.33

Medium: H34T38N1\_0808 Medium parameters used (interpolated):  $f = 3690$  MHz;  $\sigma = 3.035$  S/m;

$\epsilon_r = 36.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.42, 6.42, 6.42) @ 3690 MHz; Calibrated: 2020/06/25

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

- Electronics: DAE3 Sn393; Calibrated: 2020/04/30

- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x191x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.46 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm

Reference Value = 21.05 V/m; Power Drift = -0.16 dB

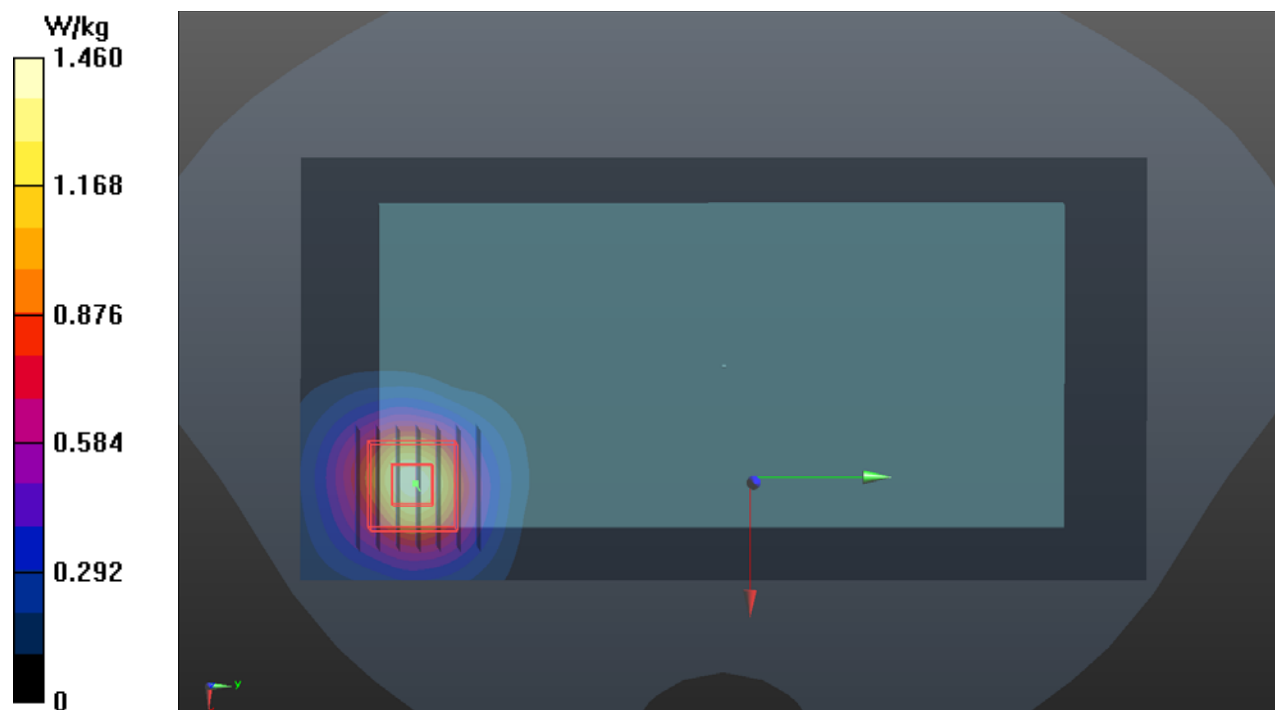
Peak SAR (extrapolated) = 1.86 W/kg

**SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.375 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 64.8%

Maximum value of SAR (measured) = 1.43 W/kg



### P52 LTE 66\_QPSK20M\_Front Face\_10mm\_Ch132072\_1RB\_OS99\_Ant 0

**DUT: 200605C24**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 1720 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1\_0729 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.295$  S/m;  $\epsilon_r = 38.901$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.68, 8.68, 8.68) @ 1720 MHz; Calibrated: 2019/08/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2019/08/27
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.907 W/kg

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

Reference Value = 26.67 V/m; Power Drift = -0.03 dB

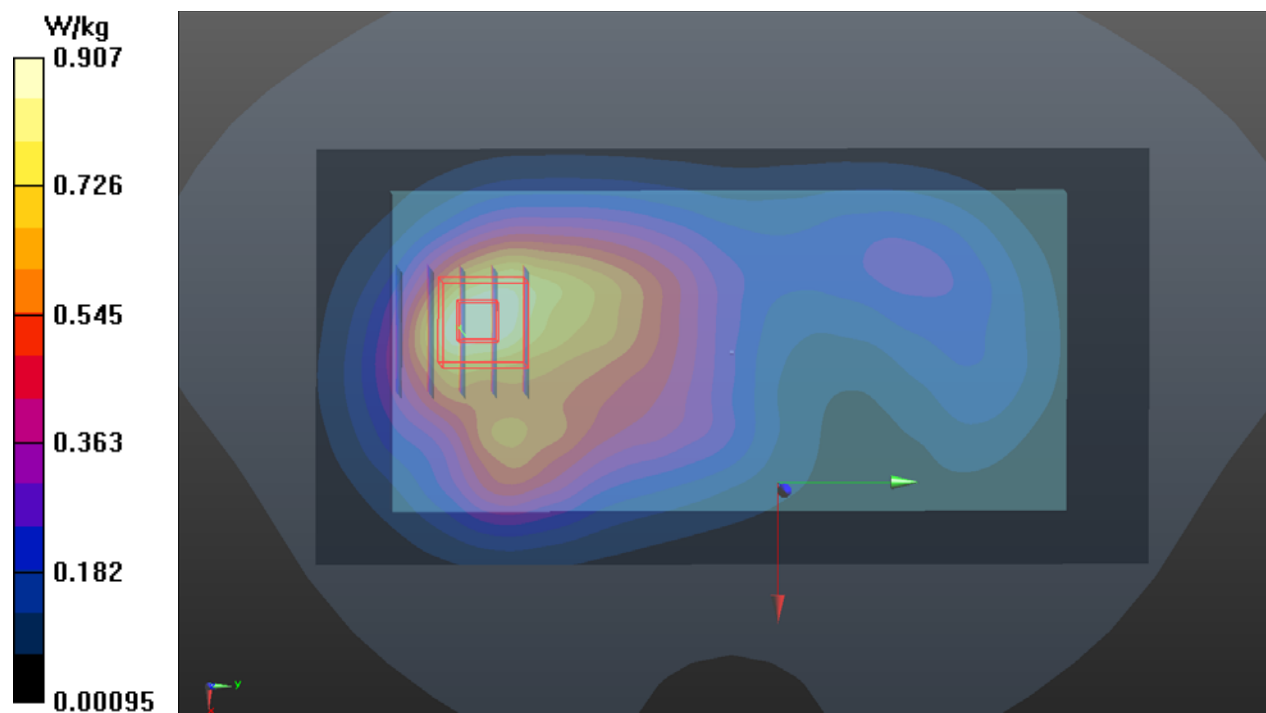
Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.447 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 65.3%

Maximum value of SAR (measured) = 0.909 W/kg



**P53 5G NR n2\_DFT-S QPSK20M\_Front  
Face\_10mm\_Ch372000\_1RB\_OS1\_Ant 1**

**DUT: 200605C24**

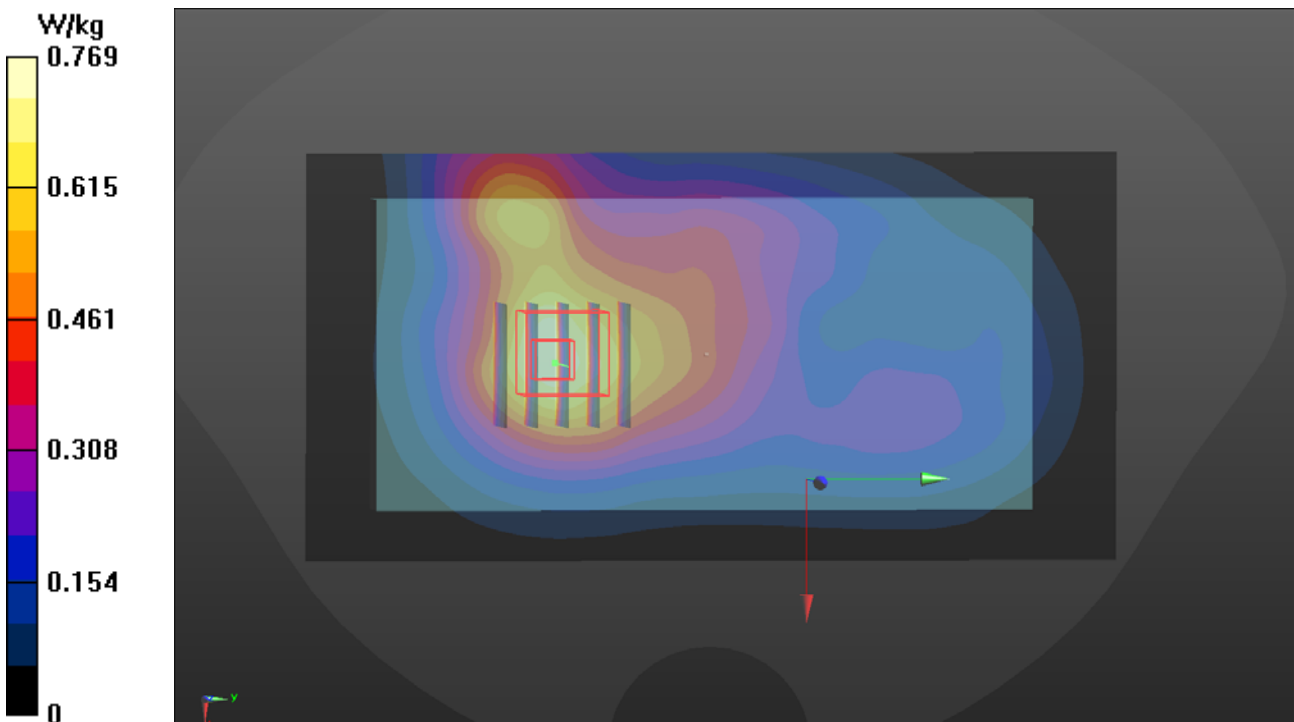
Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 1860 MHz; Duty Cycle: 1:3.56  
Medium: H16T20N1\_0826 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.427$  S/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3820; ConvF(7.4, 7.4, 7.4) @ 1860 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.769 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 23.21 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 1.11 W/kg  
**SAR(1 g) = 0.668 W/kg; SAR(10 g) = 0.439 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below = 19.3 mm  
Ratio of SAR at M2 to SAR at M1 = 64.4%  
Maximum value of SAR (measured) = 0.964 W/kg



### P54 5G NR n5\_DFT-S QPSK20M\_Front Face\_10mm\_Ch166800\_1RB\_OS1\_Ant 0

**DUT: 200605C24**

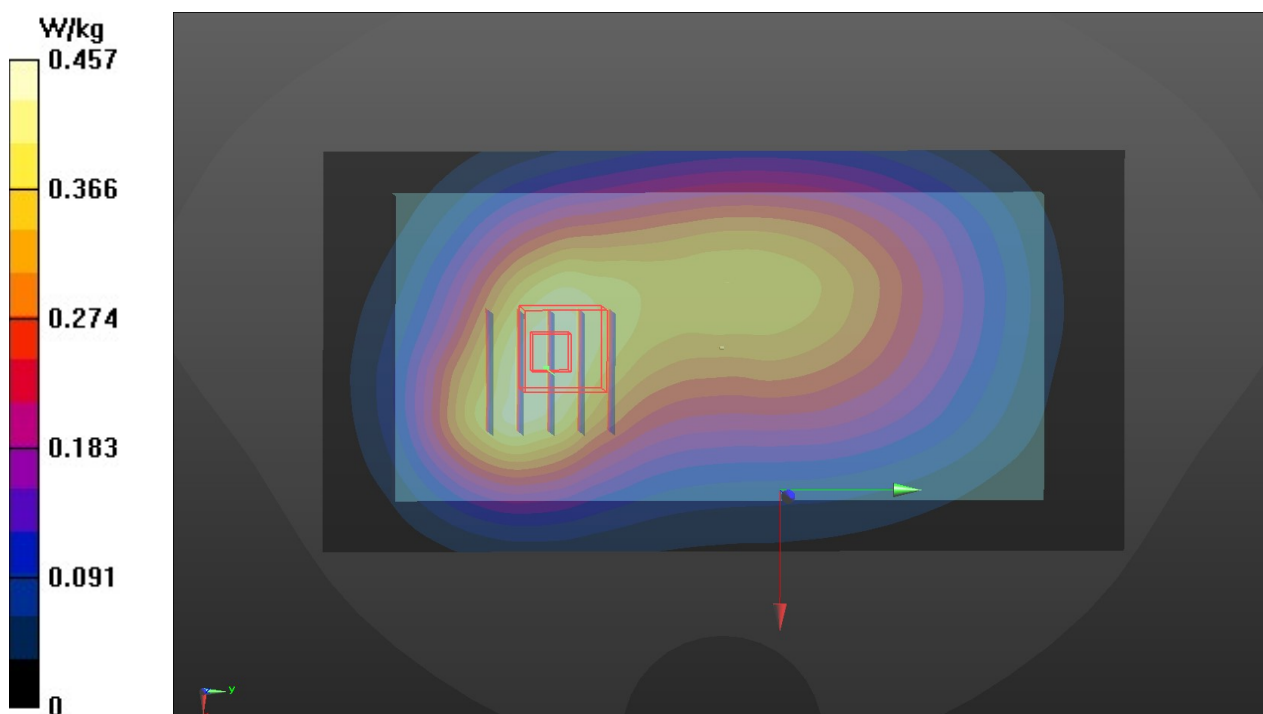
Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 834 MHz; Duty Cycle: 1:3.56  
Medium: H07T10N1\_0826 Medium parameters used:  $f = 834$  MHz;  $\sigma = 0.914$  S/m;  $\epsilon_r = 42.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.01, 9.01, 9.01) @ 834 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.457 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 23.23 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.509 W/kg  
**SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.253 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
Ratio of SAR at M2 to SAR at M1 = 68.9%  
Maximum value of SAR (measured) = 0.455 W/kg



### P55 5G NR n66\_DFT-S QPSK20M\_Front Face\_10mm\_Ch349000\_1RB\_OS1\_Ant 1

**DUT: 200605C24**

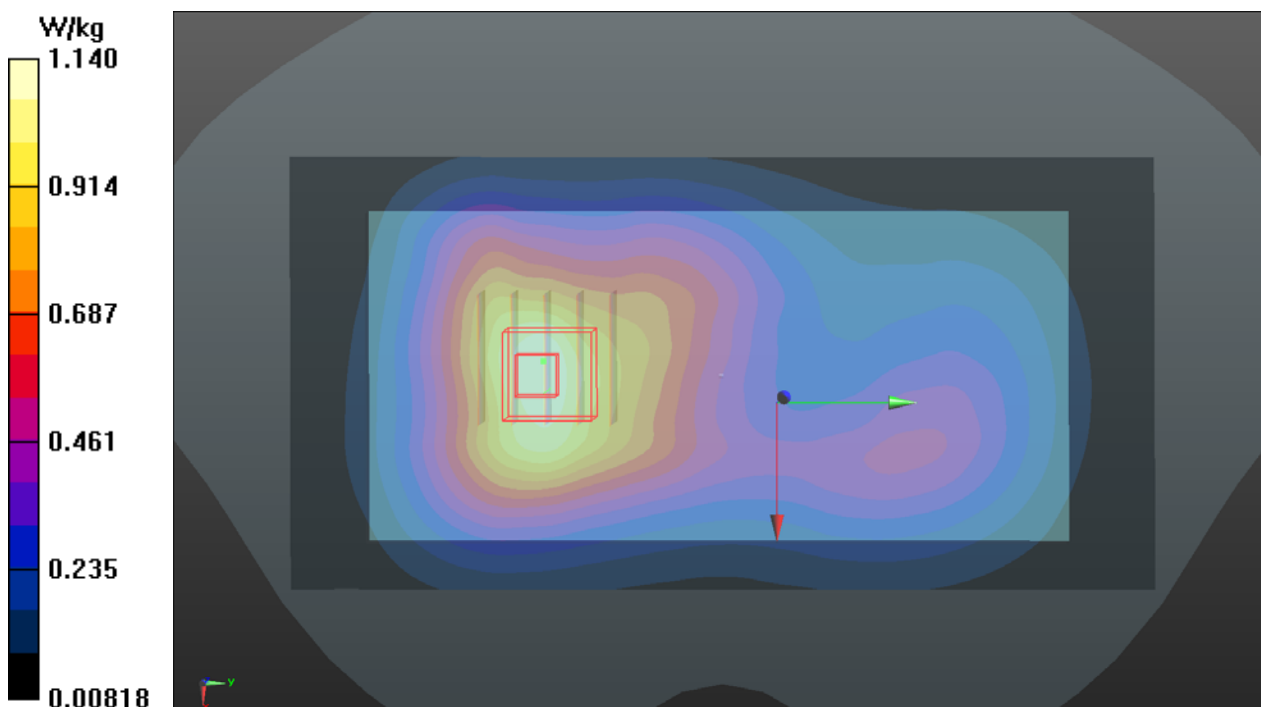
Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 1745 MHz; Duty Cycle: 1:3.56  
Medium: H16T20N1\_1012 Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.322$  S/m;  $\epsilon_r = 38.875$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.47, 8.47, 8.47) @ 1745 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.14 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 28.83 V/m; Power Drift = -0.14 dB  
Peak SAR (extrapolated) = 1.22 W/kg  
**SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.513 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
Ratio of SAR at M2 to SAR at M1 = 68.5%  
Maximum value of SAR (measured) = 1.05 W/kg



## P56 WLAN2.4G\_802.11b\_Rear Face\_10mm\_Ch1\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2412 MHz; Duty Cycle: 1:1.09

Medium: H19T27N1\_0823 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.851$  S/m;  $\epsilon_r = 38.447$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.85, 6.85, 6.85) @ 2412 MHz; Calibrated: 2020/06/25

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

- Electronics: DAE3 Sn393; Calibrated: 2020/04/30

- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.421 W/kg

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

Reference Value = 15.08 V/m; Power Drift = -0.05 dB

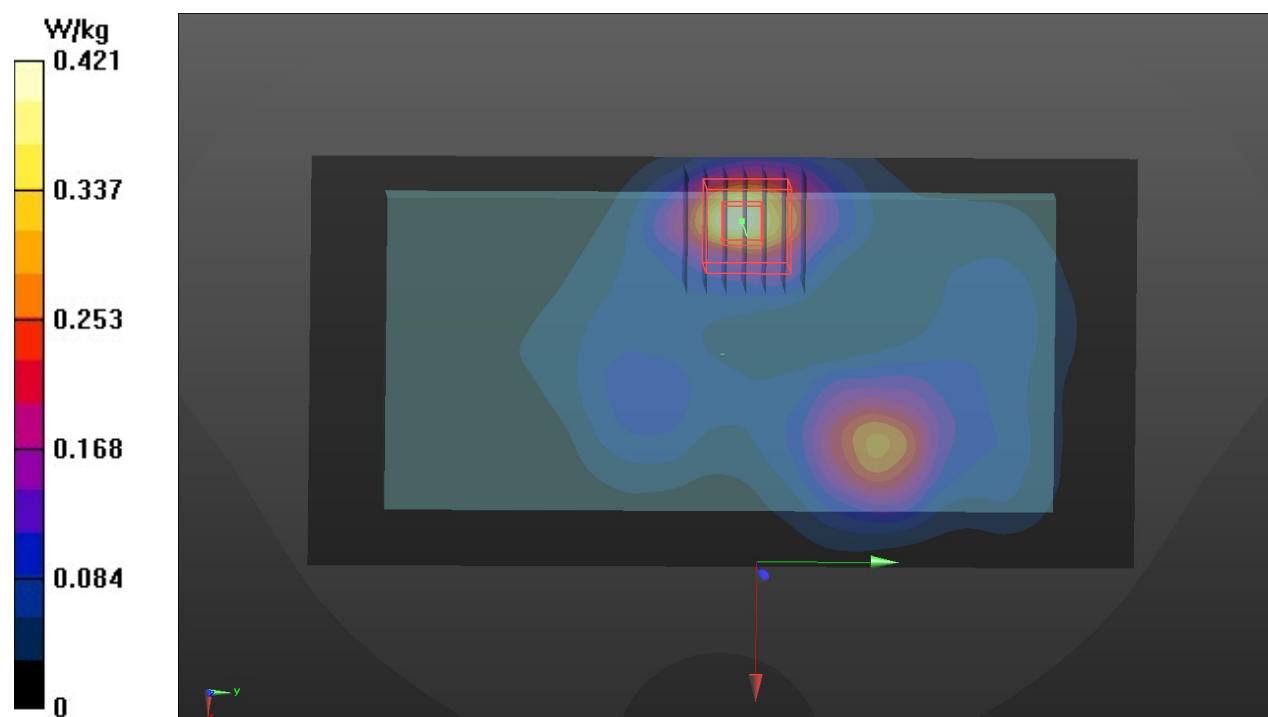
Peak SAR (extrapolated) = 0.527 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.125 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 0.426 W/kg





## P57 WLAN5.2G\_802.11a\_Right Side\_10mm\_Ch40\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5200 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1\_0822 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.474$  S/m;  $\epsilon_r = 36.358$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.75, 4.75, 4.75) @ 5200 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (61x211x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.642 W/kg

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

Reference Value = 12.43 V/m; Power Drift = -0.01 dB

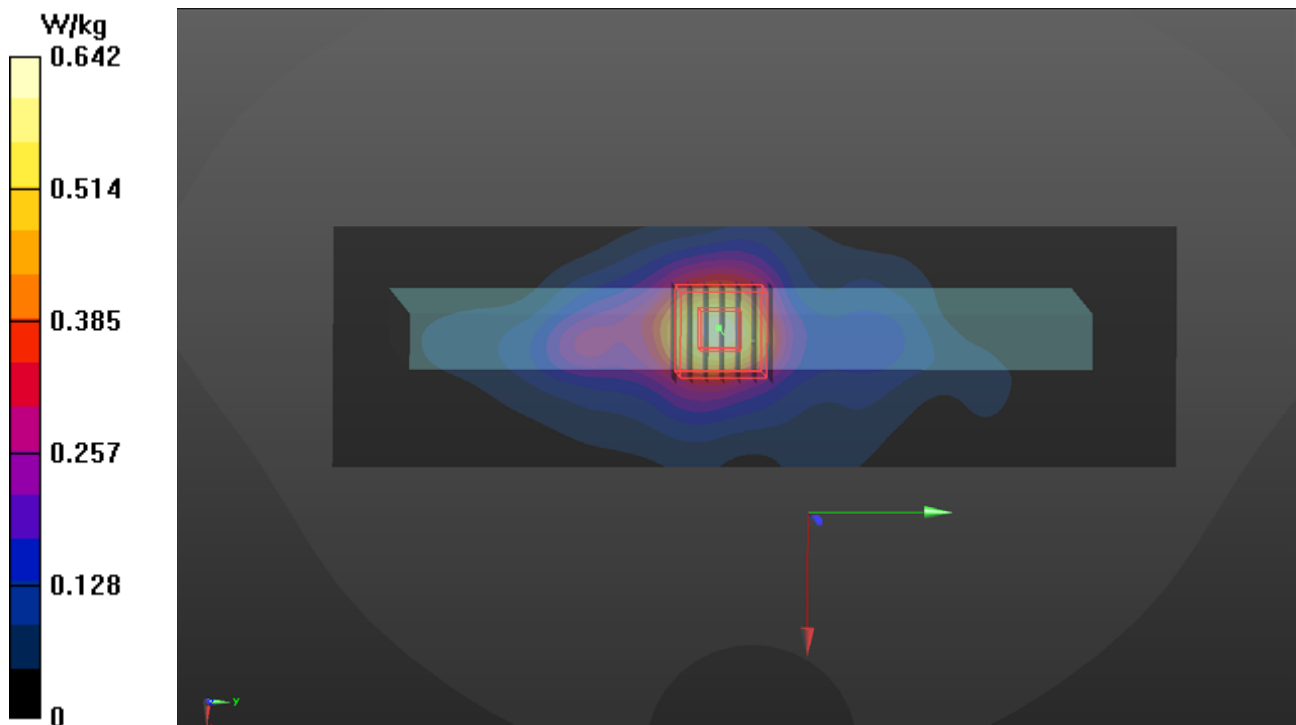
Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.127 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 12 mm

Ratio of SAR at M2 to SAR at M1 = 66.2%

Maximum value of SAR (measured) = 0.697 W/kg



## P58 WLAN5.8G\_802.11a\_Right Side\_10mm\_Ch157\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5785 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1\_0822 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.028$  S/m;  $\epsilon_r = 35.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.4, 4.4, 4.4) @ 5785 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (61x211x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.924 W/kg

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

Reference Value = 13.26 V/m; Power Drift = -0.16 dB

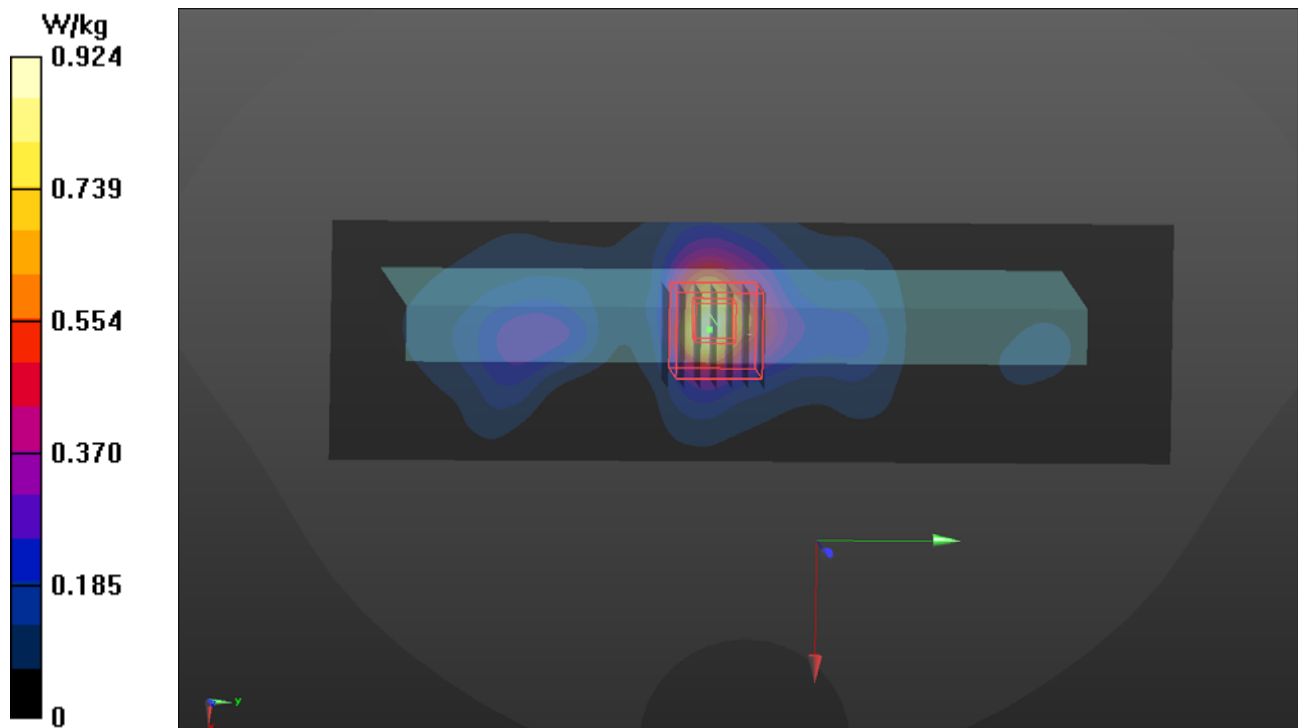
Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.146 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 11.1 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

Maximum value of SAR (measured) = 0.927 W/kg



## P59 BT\_BDR\_Rear Face\_10mm\_Ch39\_Ant 0

**DUT: 200605C24**

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441 MHz; Duty Cycle: 1:1.32

Medium: H19T27N1\_0823 Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.876$  S/m;  $\epsilon_r = 38.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.85, 6.85, 6.85) @ 2441 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0363 W/kg

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

Reference Value = 4.604 V/m; Power Drift = -0.02 dB

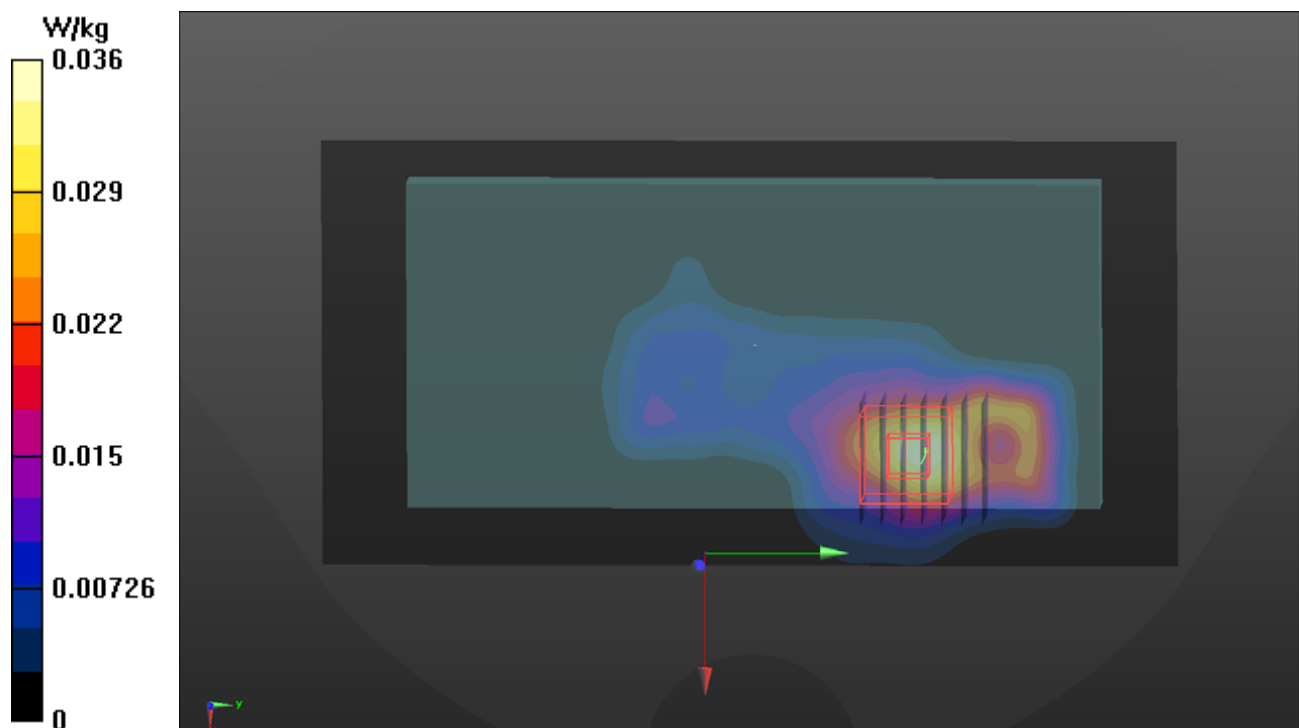
Peak SAR (extrapolated) = 0.0640 W/kg

**SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.00906 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 46.9%

Maximum value of SAR (measured) = 0.0389 W/kg



## P60 WLAN5.3G\_802.11a\_Right Side\_0mm\_Ch64\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5320 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1\_0824 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.636$  S/m;  $\epsilon_r = 34.889$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.75, 4.75, 4.75) @ 5320 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (61x211x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.07 W/kg

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

Reference Value = 22.93 V/m; Power Drift = 0.07 dB

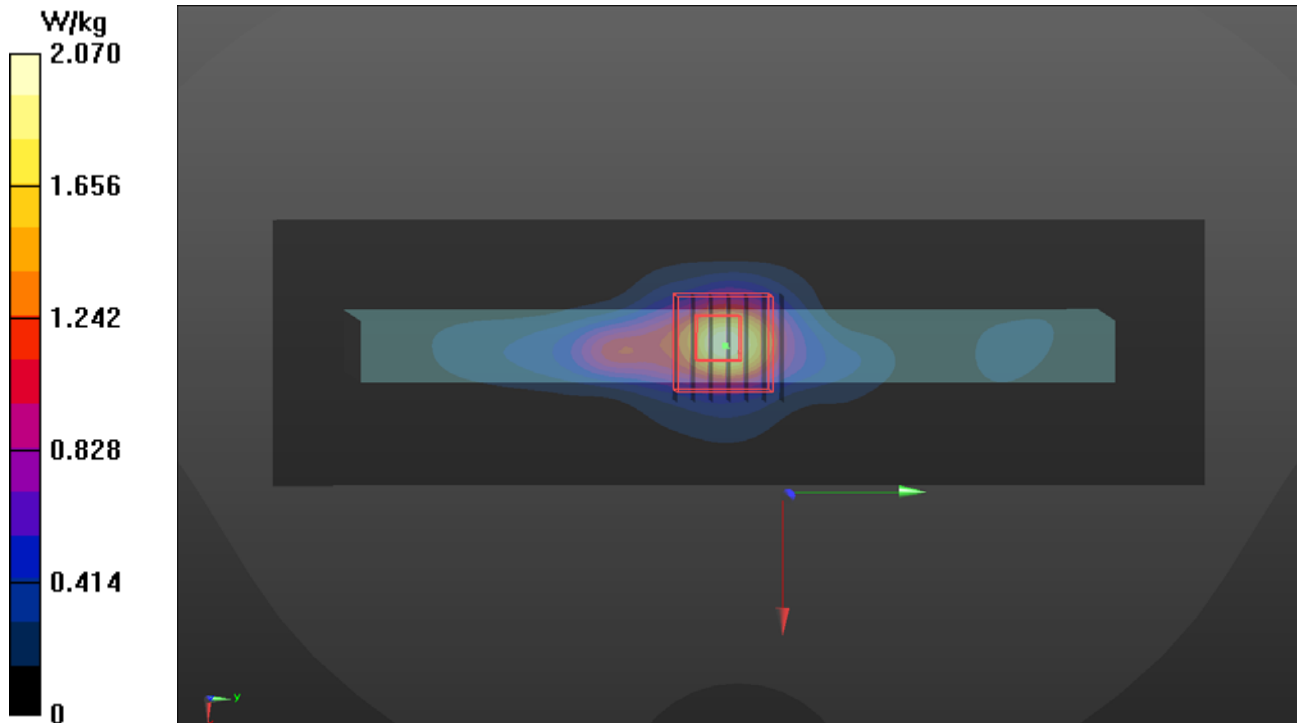
Peak SAR (extrapolated) = 4.34 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.344 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 65.3%

Maximum value of SAR (measured) = 2.55 W/kg



## P61 WLAN5.6G\_802.11a\_Right Side\_0mm\_Ch132\_Ant 0+1

**DUT: 200605C24**

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5660 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1\_0824 Medium parameters used:  $f = 5660$  MHz;  $\sigma = 4.983$  S/m;  $\epsilon_r = 34.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.37, 4.37, 4.37) @ 5660 MHz; Calibrated: 2020/06/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 2020/04/30
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (61x211x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.62 W/kg

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

Reference Value = 19.99 V/m; Power Drift = 0.08 dB

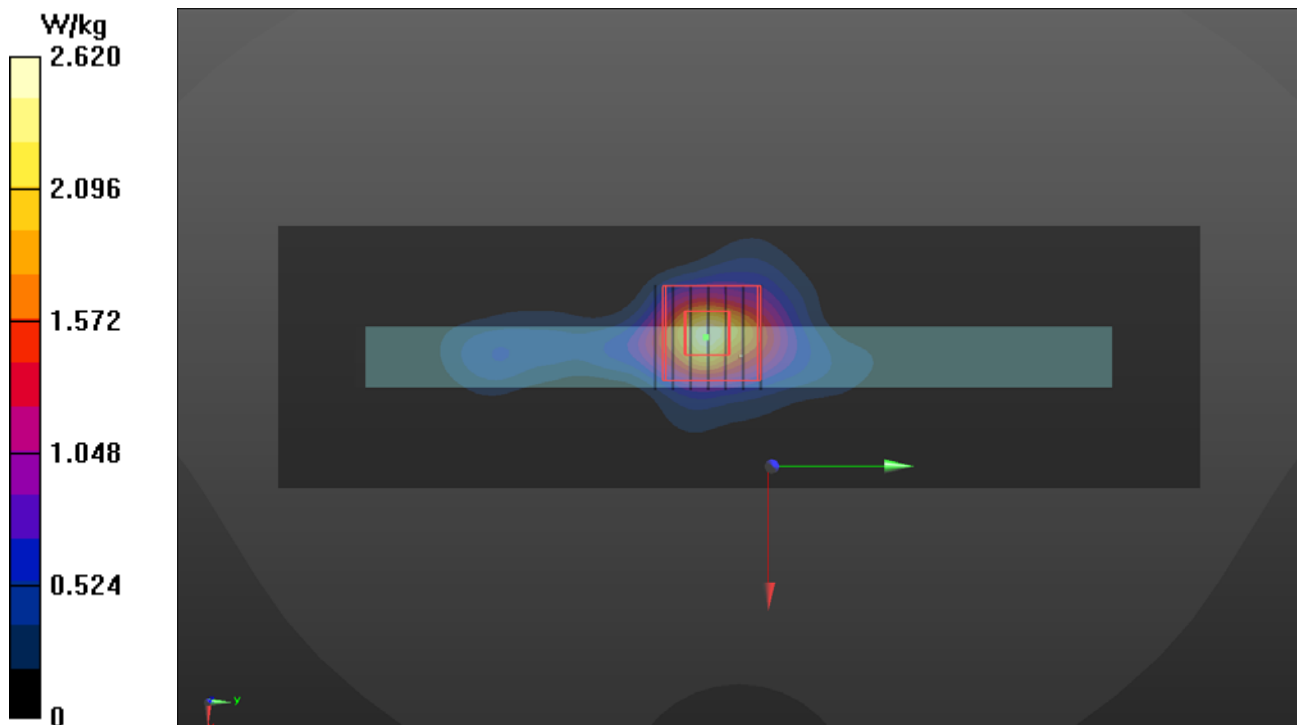
Peak SAR (extrapolated) = 5.61 W/kg

**SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.391 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 62.7%

Maximum value of SAR (measured) = 3.33 W/kg



### Appendix C. Calibration Certificate for Probe and Dipole

The SPEAG calibration certificates are shown as follows.



In Collaboration with  
**s p e a g**  
CALIBRATION LABORATORY



中国认可  
国际互认  
校准  
CALIBRATION  
CNAS L0570

Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China  
Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504  
E-mail: cttl@chinattl.com http://www.chinattl.cn

Client **AUDEN**

Certificate No: **Z20-60152**

## CALIBRATION CERTIFICATE

Object **D750V3 - SN: 1106**

Calibration Procedure(s) **FF-Z11-003-01**  
Calibration Procedures for dipole validation kits

Calibration date: **April 30, 2020**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements(SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature(22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	04-Sep-19 (CTTL, No.J19X07825)	Sep-20
Power sensor NRP8S	104291	04-Sep-19 (CTTL, No.J19X07825)	Sep-20
ReferenceProbe EX3DV4	SN 7307	24-May-19(SPEAG,No.EX3-7307_May19)	May-20
DAE4	SN 1555	22-Aug-19(CTTL-SPEAG,No.Z19-60295)	Aug-20
Secondary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Feb-20 (CTTL, No.J20X00516)	Feb-21
NetworkAnalyzer E5071C	MY46110673	10-Feb-20 (CTTL, No.J20X00515)	Feb-21

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: May 5, 2020

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.