

# ANNEX D Highest Graph Results

## P1\_GSM850\_GSM\_Left Cheek\_128

Date: 2019/8/4

### DUT: EUT

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: H835 Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.5$ ;  $\rho = 1000$  kg/m

### DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.12, 6.12, 6.12); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x71x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.018 mW/g

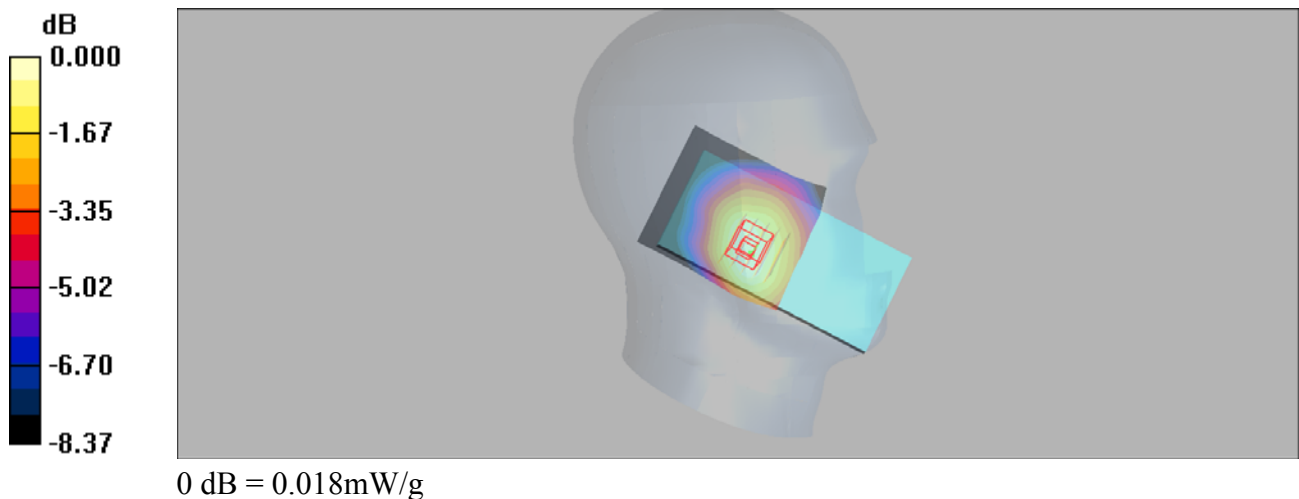
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.61 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.019 W/kg

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.018 mW/g



## P2\_ 1900\_Right Cheek\_661

Date: 2019/8/14

DUT: EUT

Communication System: UID 0, GSM 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  S/m;  $\epsilon_r = 38.948$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 2019/6/19

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1291; Calibrated: 2018/12/4

Phantom: SAM 2; Type: SAM

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Test/ Area Scan (71x121x1):** Interpolated grid:  $dx=15$  mm,  $dy=15$  mm

Maximum value of SAR (interpolated) = 0.0790 W/kg

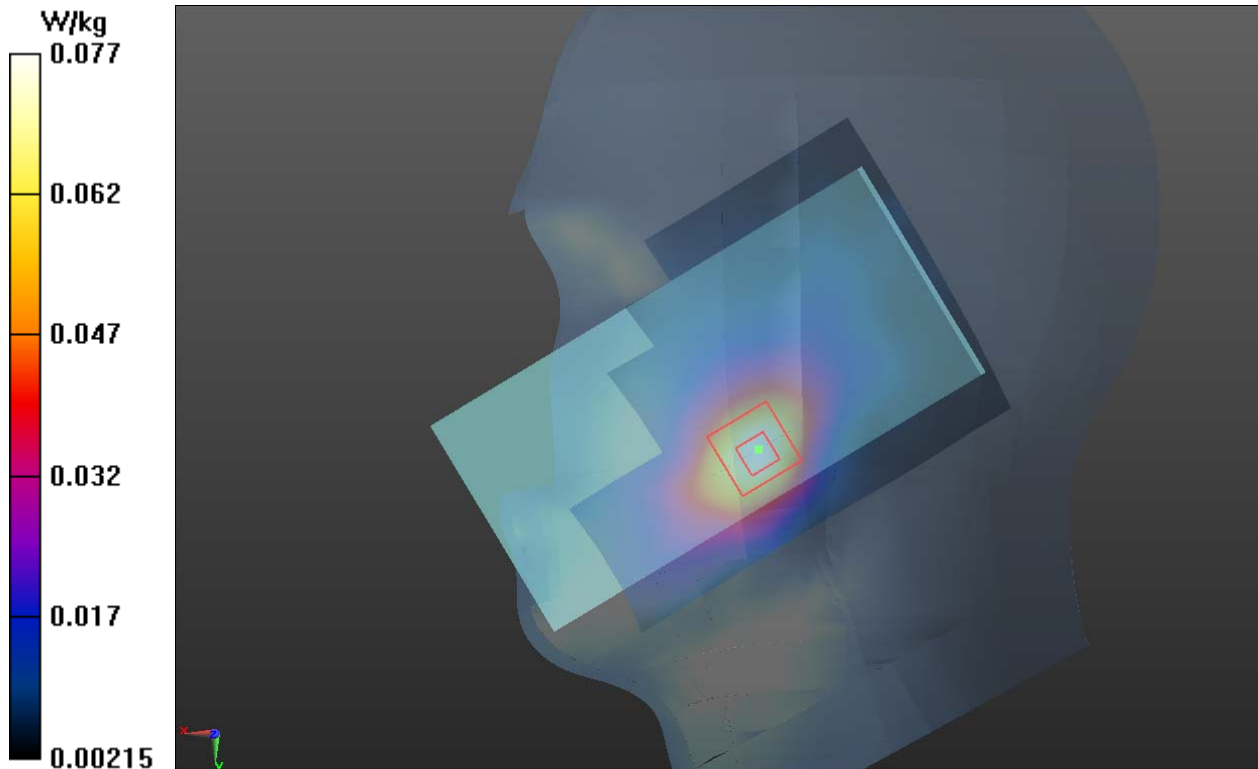
**Test/ Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.630 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.107 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.043 W/kg**

Maximum value of SAR (measured) = 0.0769 W/kg



### P3\_ WCDMA B2 Right Cheek High

Date: 2019/8/14

**DUT: EUT**

Communication System: UID 0, WCDMA II (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 38.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 2019/6/19

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1291; Calibrated: 2018/12/4

Phantom: SAM 2; Type: SAM

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Test/ Area Scan (71x121x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

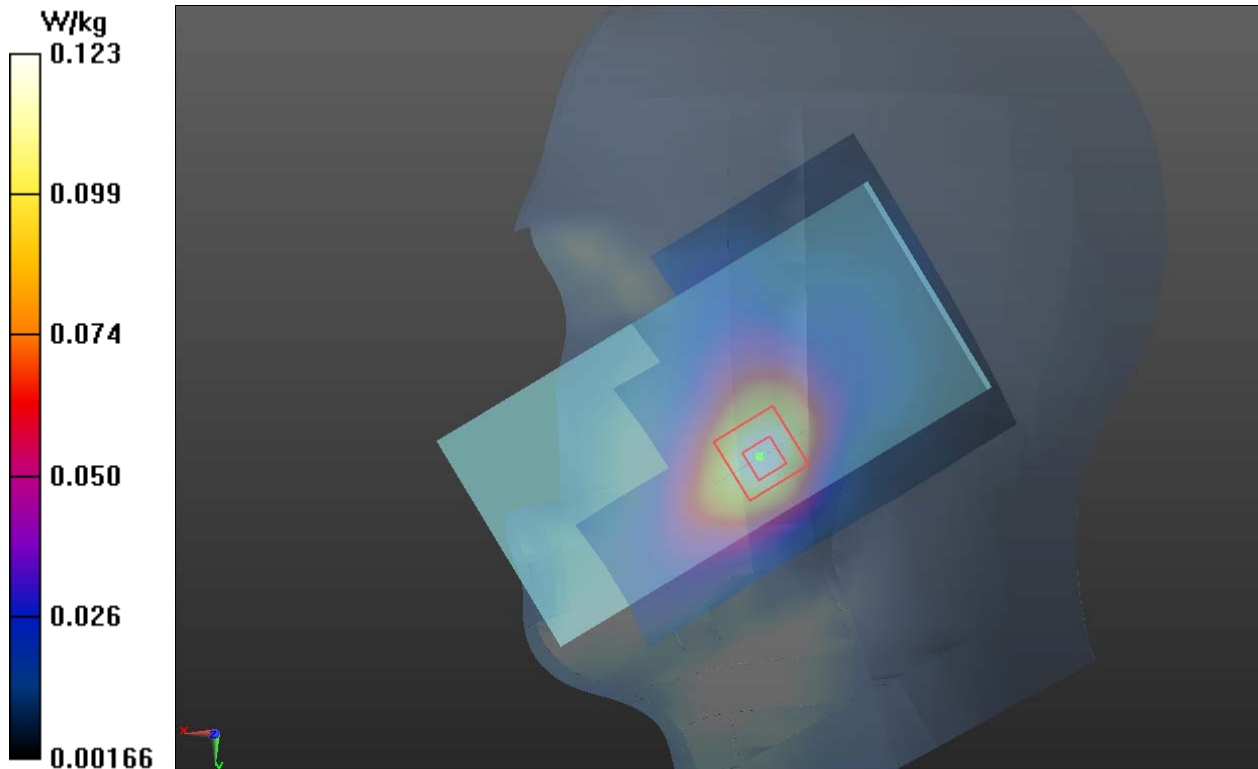
**Test/ Cheek High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.414 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.070 W/kg**

Maximum value of SAR (measured) = 0.123 W/kg



## P4\_ WCDMA B4 Right Cheek High

Date: 2019/8/13

### DUT: EUT

Communication System: UID 0, WCDMA IV (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.329$  S/m;  $\epsilon_r = 39.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY5 Configuration:

Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 2019/6/19

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1291; Calibrated: 2018/12/4

Phantom: SAM 2; Type: SAM

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Test/ Area Scan (71x121x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.112 W/kg

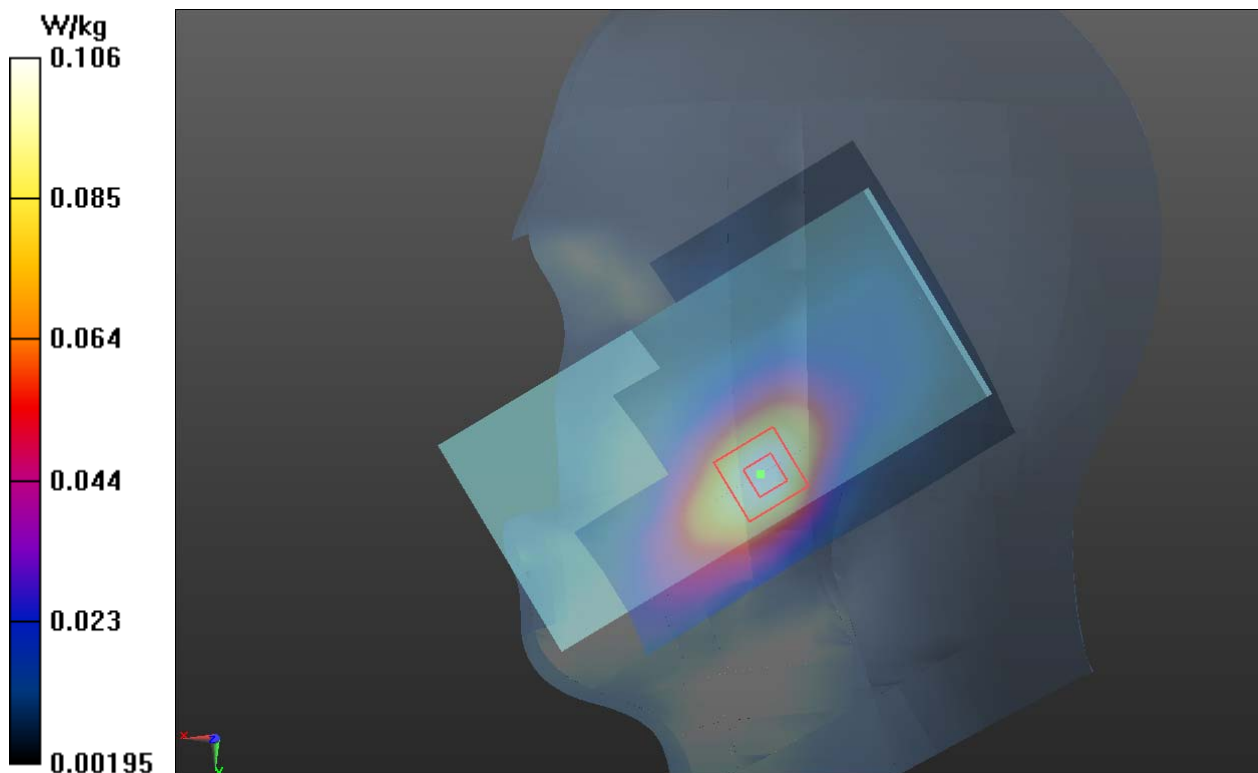
**Test/ Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.765 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.148 W/kg

**SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.063 W/kg**

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



## P05\_WCDMA V\_RMC12.2K\_Left Cheek\_4233

Date: 2019/8/4

### DUT: EUT

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

Medium: H835 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.902$  mho/m;  $\epsilon_r = 42.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.12, 6.12, 6.12); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.126 mW/g

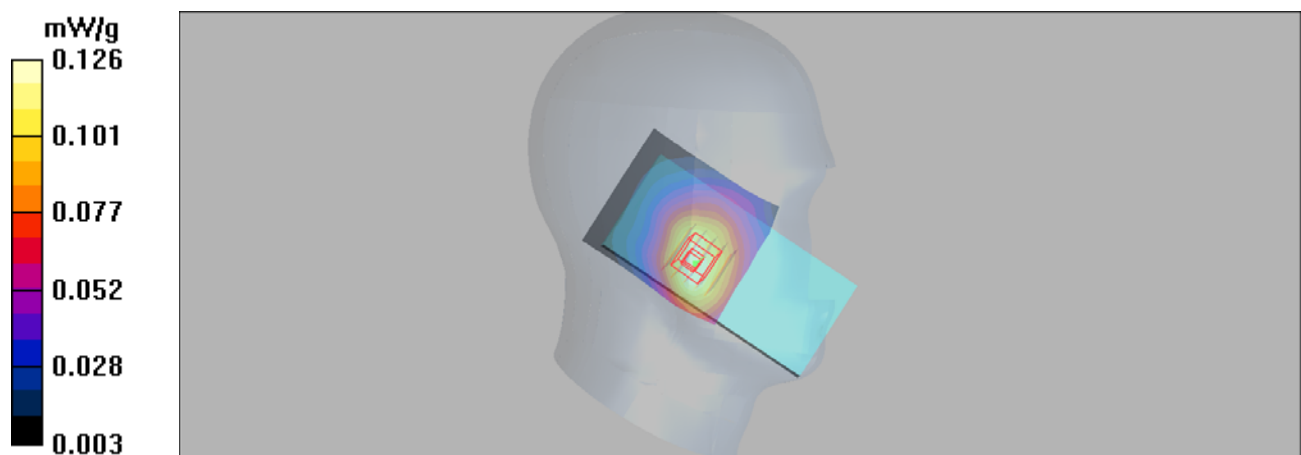
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.42 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.134 W/kg

**SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.087 mW/g**

Maximum value of SAR (measured) = 0.123 mW/g



## P6\_LTE B2 1RB Right Cheek Mid

Date: 2019/8/14

### DUT: EUT

Communication System: UID 0, LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  S/m;  $\epsilon_r = 38.948$ ;  $\rho = 1000$  kg/m<sup>3</sup>

### DASY5 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 2019/6/19

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1291; Calibrated: 2018/12/4

Phantom: SAM 2; Type: SAM

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Test/ Area Scan (71x121x1):** Interpolated grid:  $dx=15$  mm,  $dy=15$  mm

Maximum value of SAR (interpolated) = 0.129 W/kg

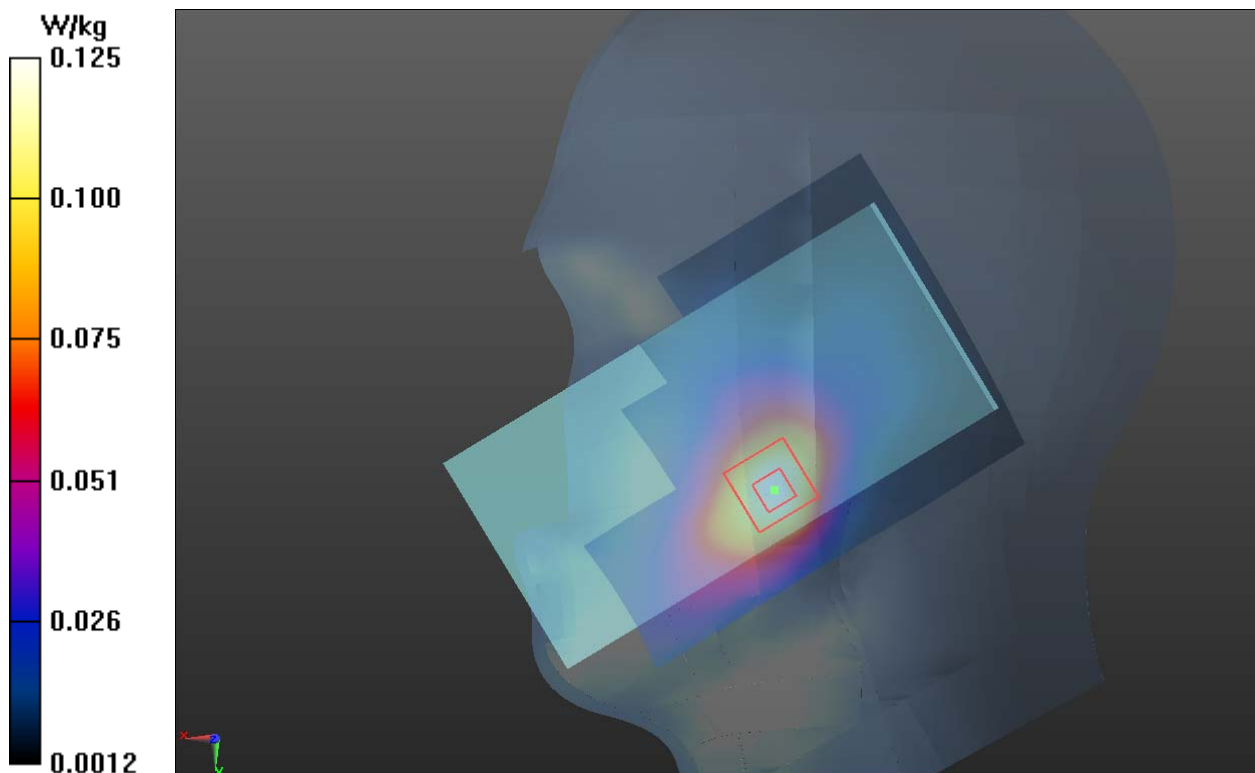
**Test/ Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.838 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.071 W/kg**

Maximum value of SAR (measured) = 0.125 W/kg



## P7\_LTE B4 1RB Right Cheek High

Date: 2019/8/14

**DUT: EUT**

Communication System: UID 0, LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.323$  S/m;  $\epsilon_r = 39.378$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 2019/6/19

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1291; Calibrated: 2018/12/4

Phantom: SAM 2; Type: SAM;

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Test/ Area Scan (71x121x1):** Interpolated grid:  $dx=15$  mm,  $dy=15$  mm

Maximum value of SAR (interpolated) = 0.131 W/kg

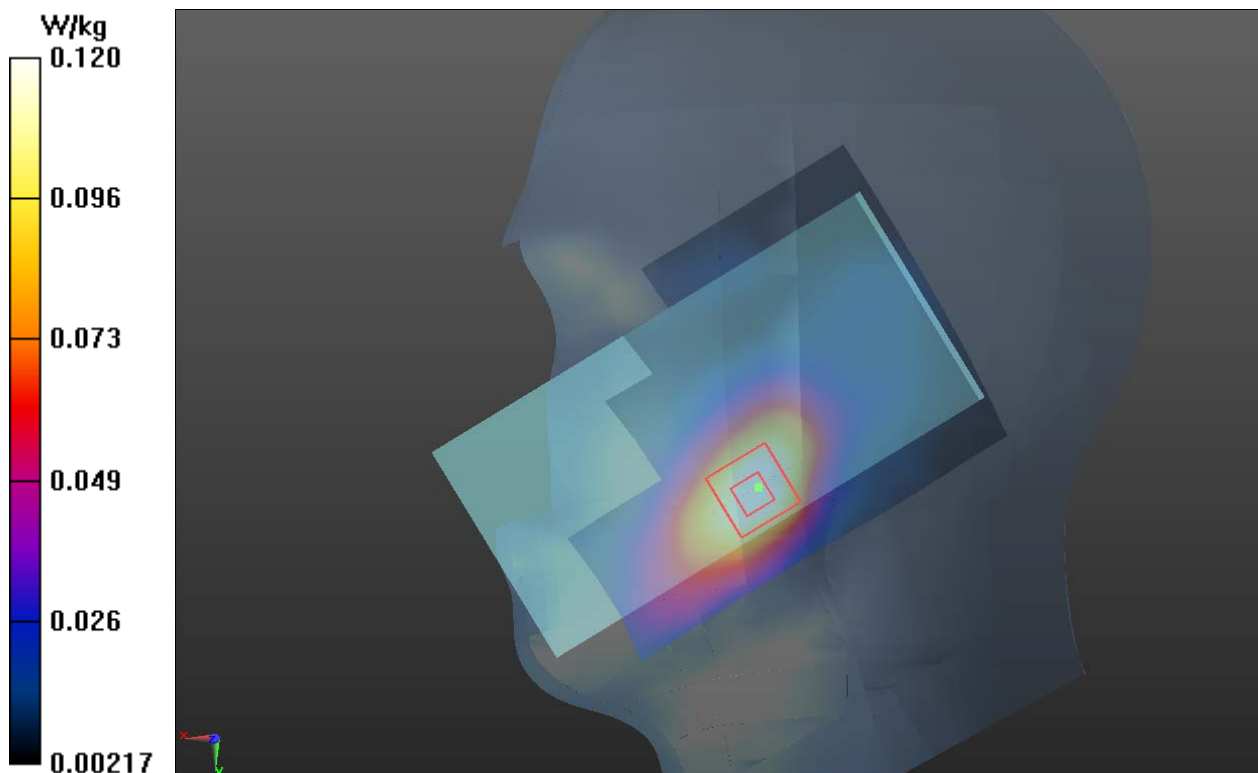
**Test/ Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.071 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.166 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.120 W/kg



## P08\_LTE 5\_QPSK10M\_Left Cheek\_20600\_1RB\_24 Offset

### DUT: EUT

Communication System: LTE Band5; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: H835 Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.936$  mho/m;  $\epsilon_r = 43$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.12, 6.12, 6.12); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.134 mW/g

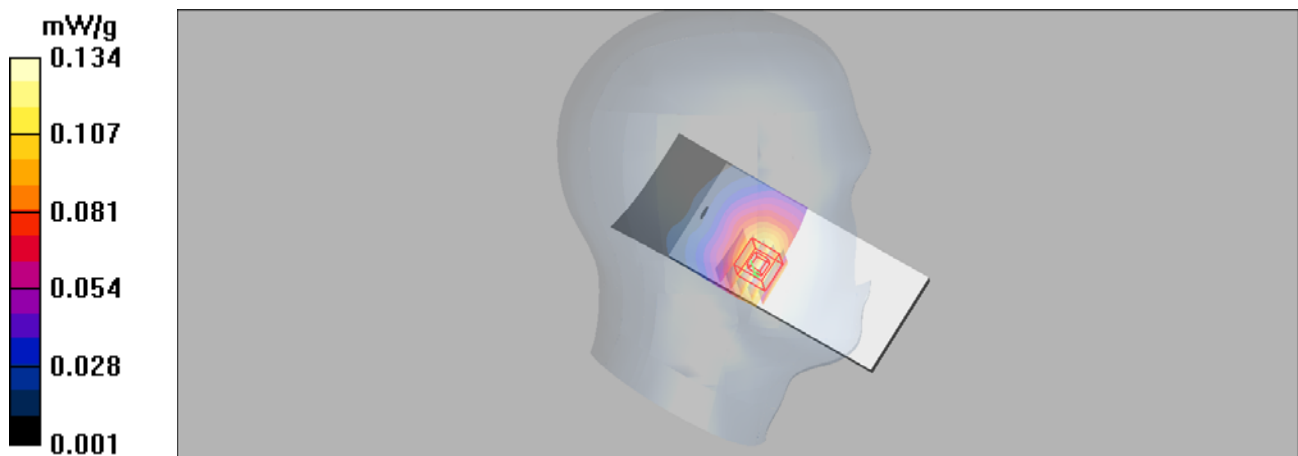
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.95 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.148 W/kg

**SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.104 mW/g**

Maximum value of SAR (measured) = 0.127 mW/g





## P09\_LTE7\_QPSK20M\_Right Cheek\_20850\_1RB\_50 Offset\_off

### DUT: EUT

Communication System: LTE Band 7; Frequency: 2510 MHz; Duty Cycle: 1:1

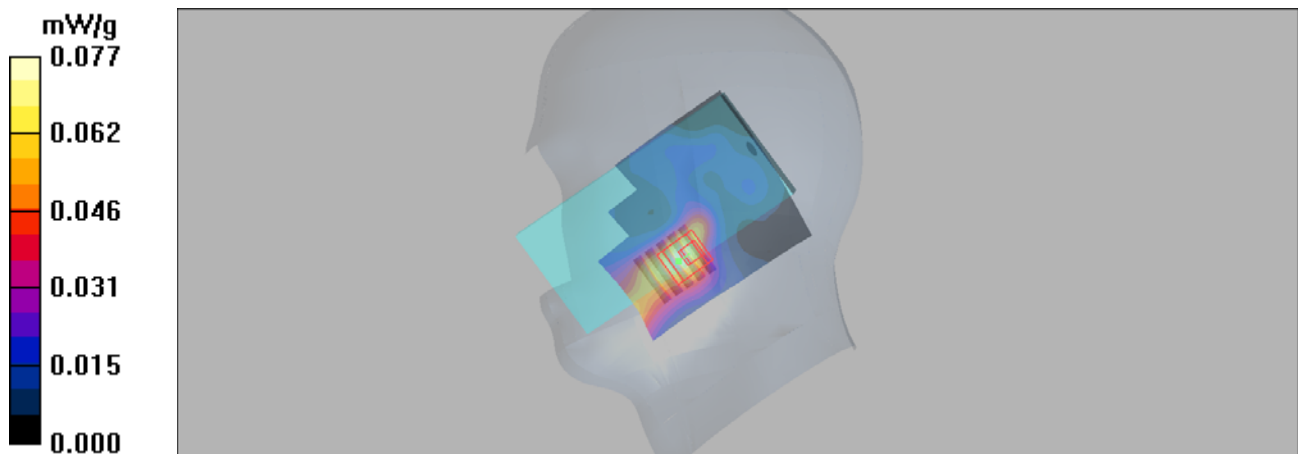
Medium: H2600 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 37.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.57, 4.57, 4.57); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP/1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x61x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.077 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.04 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.152 W/kg  
**SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.071 mW/g**  
Maximum value of SAR (measured) = 0.108 mW/g



## P10\_LTE38\_QPSK20M\_Right Cheek\_38150\_1RB\_50 Offset

Date: 2019/8/12

### DUT: EUT

Communication System: TD-LTE Band38; Frequency: 2610 MHz; Duty Cycle: 1:1.58  
Medium: H2600 Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.07$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.48, 4.48, 4.48); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x61x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.043 mW/g

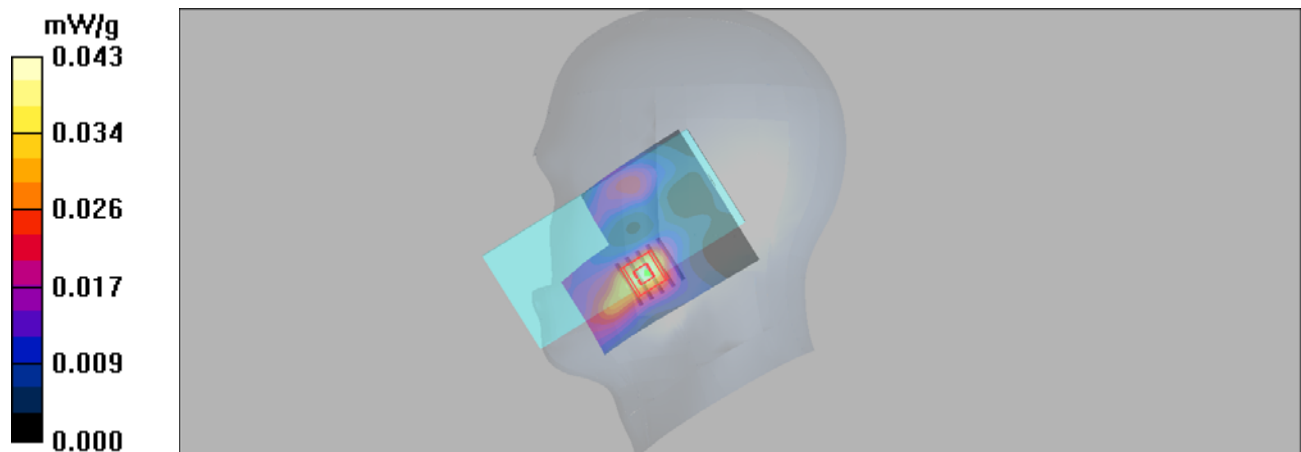
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.44 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.068 W/kg

**SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.020 mW/g**

Maximum value of SAR (measured) = 0.047 mW/g



## P11\_802.11b\_Left Tilted\_11

Date: 2019/8/5

### DUT: EUT

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

Medium: H2600 Medium parameters used (extrapolated):  $f = 2462$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.1$ ;

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.57, 4.57, 4.57); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x71x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.628 mW/g

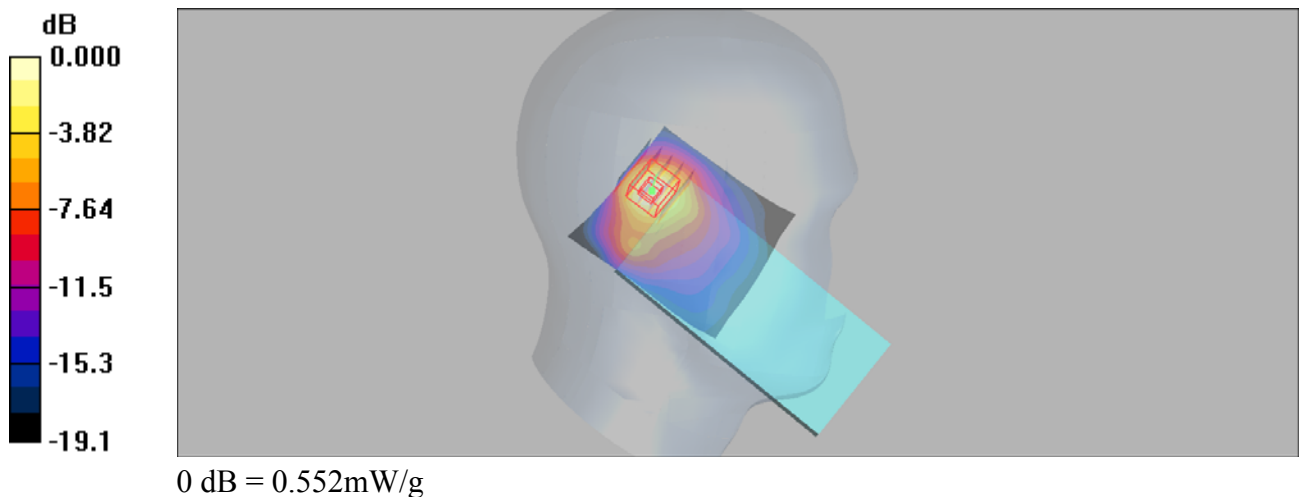
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.90 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.897 W/kg

**SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.191 mW/g**

Maximum value of SAR (measured) = 0.552 mW/g



## P12\_GSM850\_GPRS12\_Rear Face\_10mm\_128

### DUT: EUT

Communication System: GPRS 850-4solt; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: B850 Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 55.7$ ;

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

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.18, 6.18, 6.18); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.297 mW/g

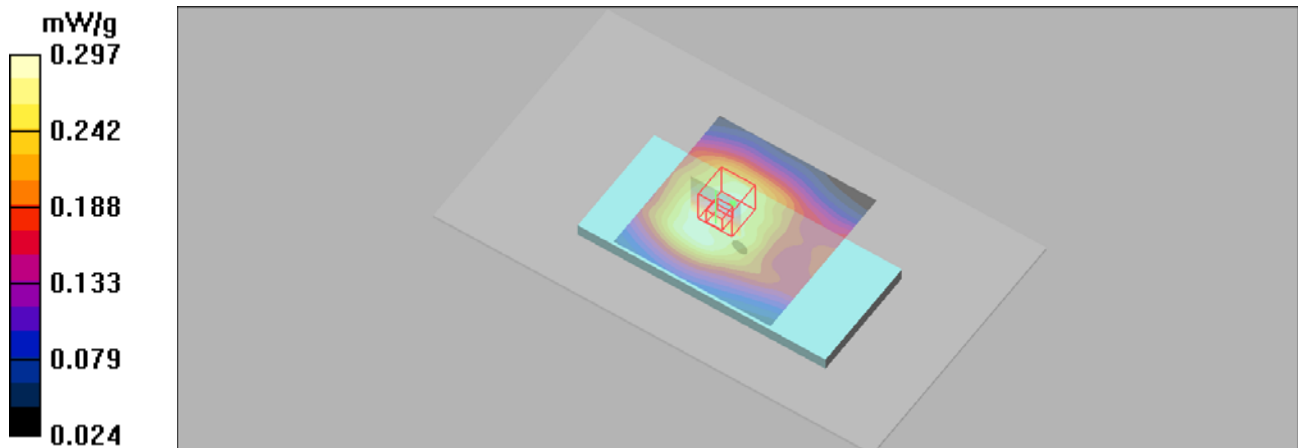
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.291 W/kg

**SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.188 mW/g**

Maximum value of SAR (measured) = 0.269 mW/g



## P13\_GSM1900\_GPRS12\_Rear Face\_10mm\_512\_on

Date: 2019/8/13

### DUT: EUT

Communication System: GPRS1900-4slots; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: B1900 Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 54.9$ ;

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.79, 4.79, 4.79); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.713 mW/g

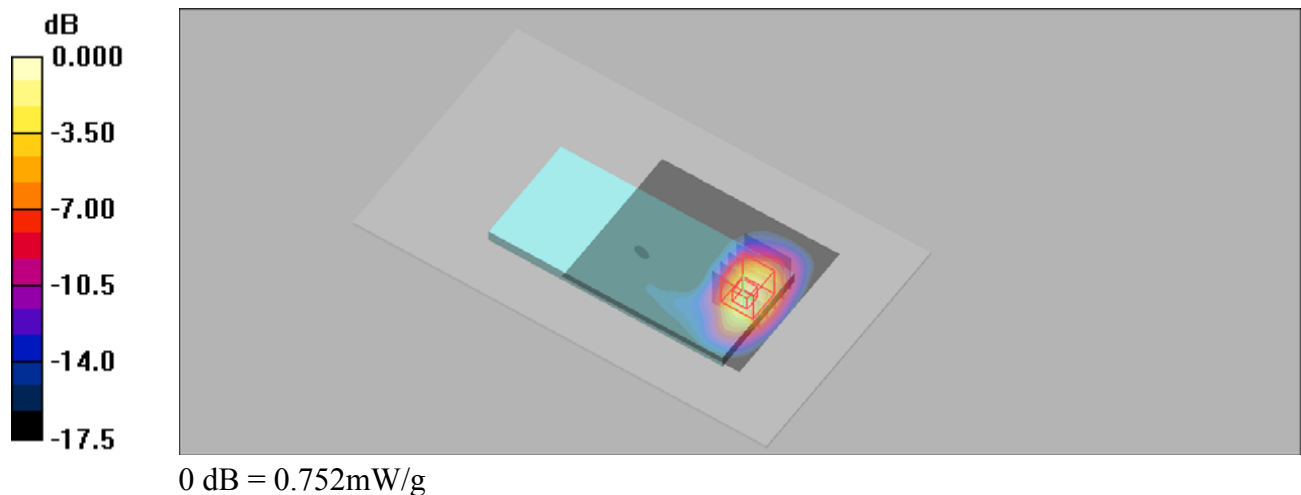
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.04 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.354 mW/g**

Maximum value of SAR (measured) = 0.752 mW/g



## P14\_WCDMA II\_RMC12.2K\_Bottom Side\_17mm\_9538\_off

### DUT: EUT

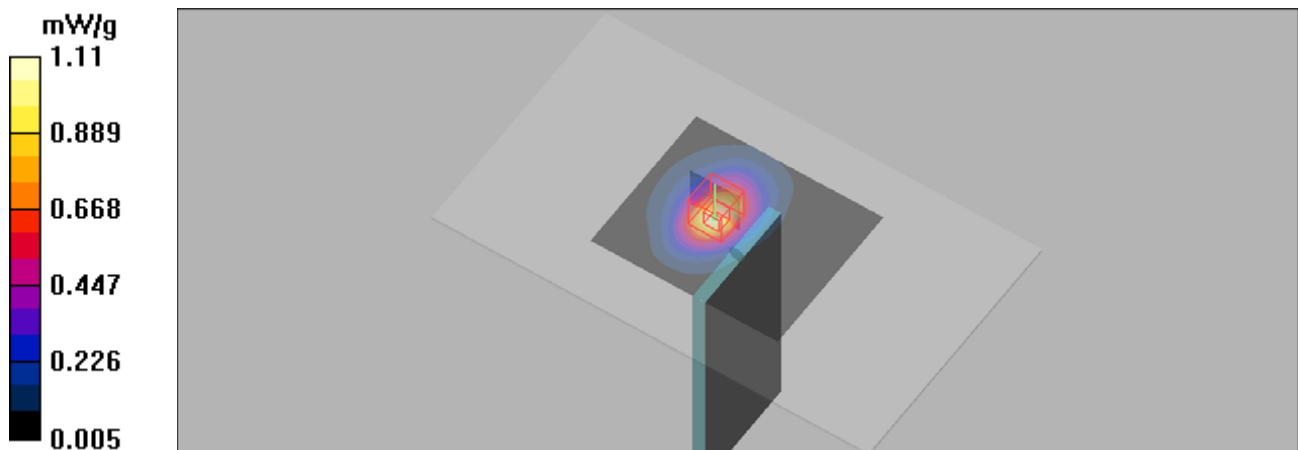
Communication System: WCDMA Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: B1900 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.79, 4.79, 4.79); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x51x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.11 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 18.6 V/m; Power Drift = 0.174 dB  
Peak SAR (extrapolated) = 1.37 W/kg  
**SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.535 mW/g**  
Maximum value of SAR (measured) = 1.07 mW/g



## P15\_WCDMA IV\_RMC12.2K\_Bottom Side\_17mm\_1513\_off

Date: 2019/8/10

### DUT: EUT

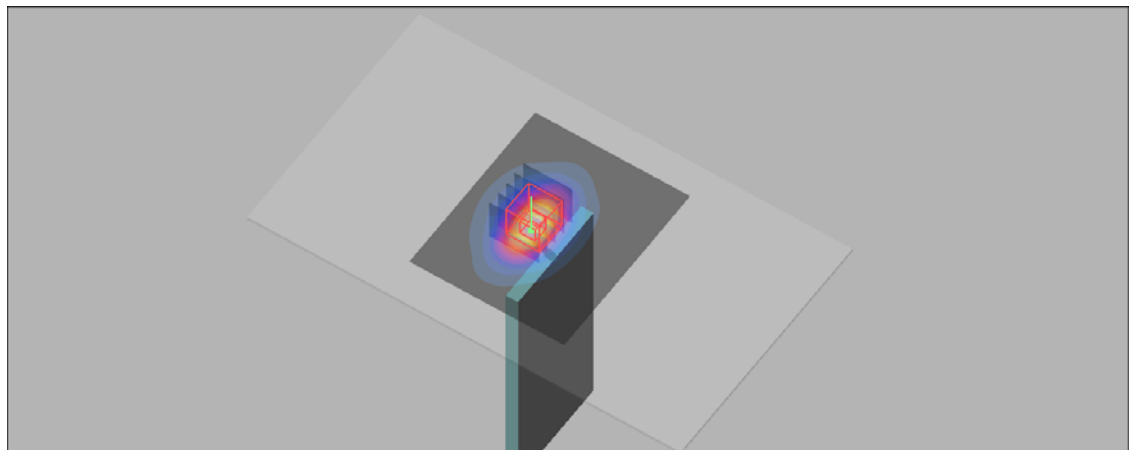
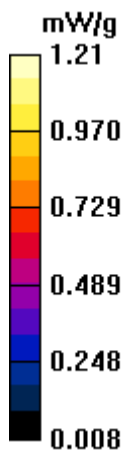
Communication System: WCDMA Band IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: B1750 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.95, 4.95, 4.95); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x61x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.21 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 25.2 V/m; Power Drift = 0.192 dB  
Peak SAR (extrapolated) = 1.49 W/kg  
**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.611 mW/g**  
Maximum value of SAR (measured) = 1.19 mW/g



## P16\_WCDMA V\_RMC12.2K\_Rear Face\_10mm\_4233

### DUT: EUT

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

Medium: B835 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 57.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.18, 6.18, 6.18); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.192 mW/g

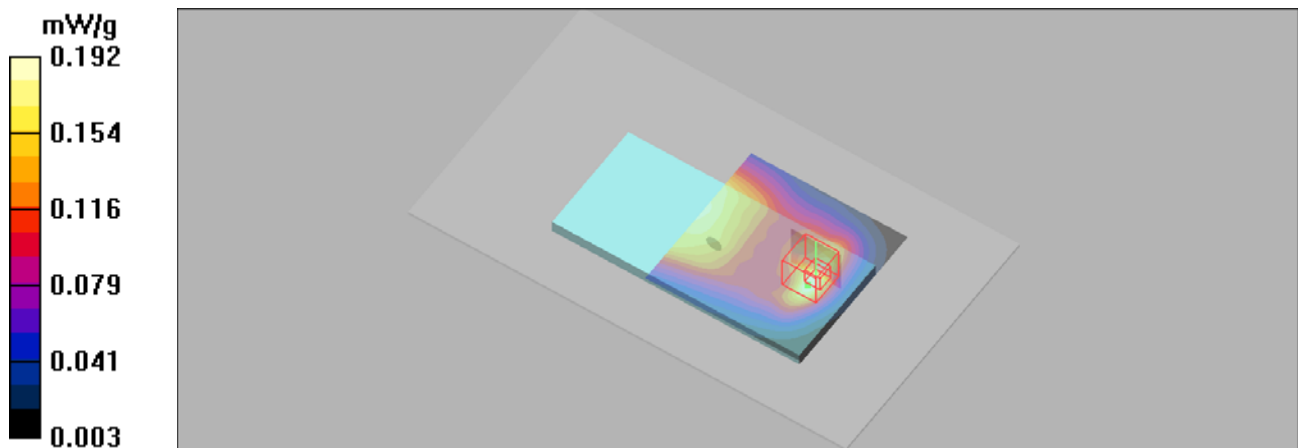
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.253 W/kg

**SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.086 mW/g**

Maximum value of SAR (measured) = 0.182 mW/g





## P17\_LTE 2\_QPSK20M\_Bottom Side\_1.7cm\_18900\_1RB\_50 Offset\_off

### DUT: EUT

Communication System: LTE Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: B1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.79, 4.79, 4.79); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.20 mW/g

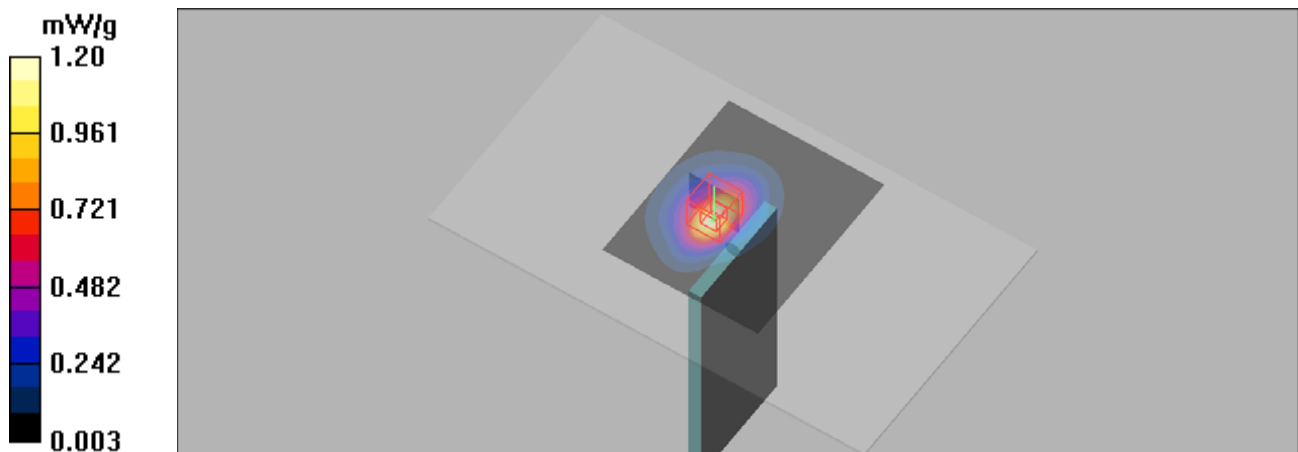
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.909 mW/g; SAR(10 g) = 0.544 mW/g**

Maximum value of SAR (measured) = 1.08 mW/g



## **P18\_LTE 4\_QPSK20M\_Bottom Side\_1.7cm\_20300\_50RB\_50 Offset\_off** Date: 2019/8/10

### **DUT: EUT**

Communication System: LTE Band 4&20M; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: B1750 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

### **DASY5 Configuration:**

- Probe: ES3DV3 - SN3090; ConvF(4.95, 4.95, 4.95); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x61x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.989 mW/g

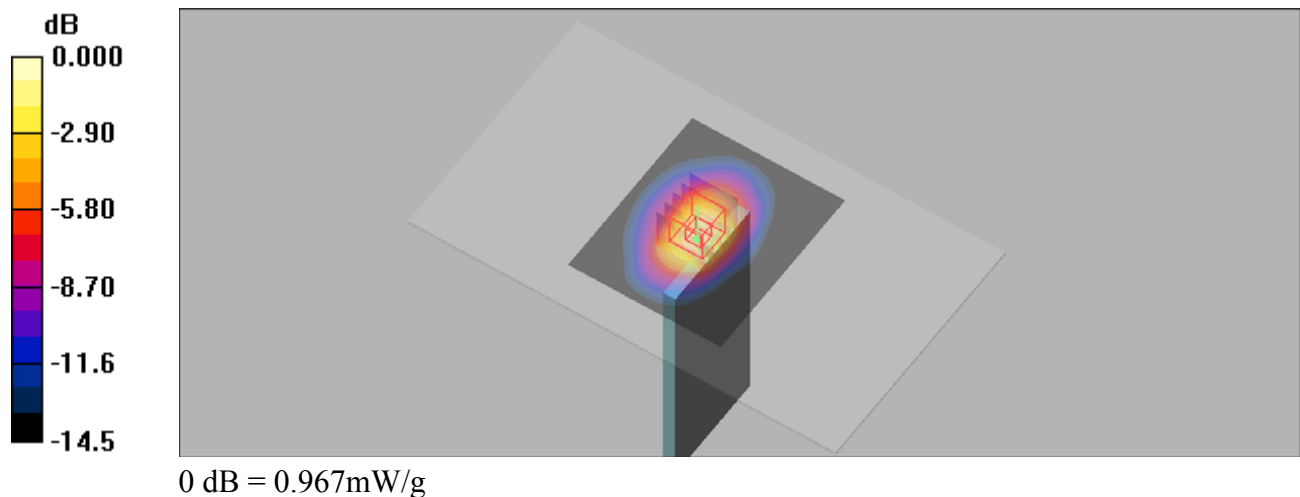
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.0 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.502 mW/g**

Maximum value of SAR (measured) = 0.967 mW/g



**DUT: EUT**

Communication System: LTE Band5; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: B850 Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.986 \text{ mho/m}$ ;  $\epsilon_r = 55.5$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.18, 6.18, 6.18); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (81x61x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.149 mW/g

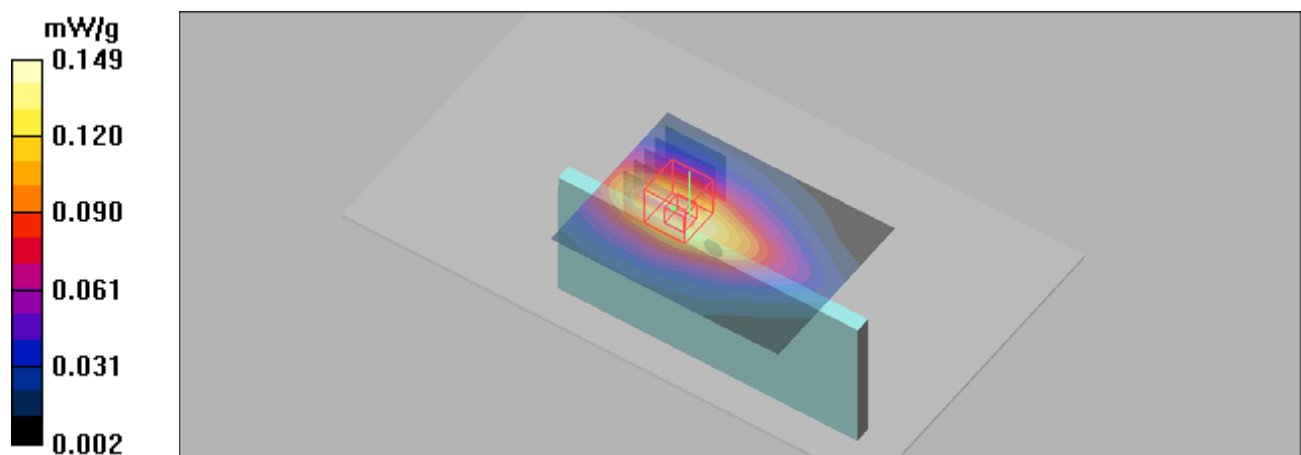
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.9 V/m; Power Drift = -0.181 dB

Peak SAR (extrapolated) = 0.165 W/kg

**SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.086 mW/g**

Maximum value of SAR (measured) = 0.142 mW/g



**P20\_LTE 7\_QPSK20M\_Rear Face\_20mm\_20850\_1RB\_50 Offset\_off-2** Date: 2019/8/12

**DUT: EUT**

Communication System: LTE Band 7; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: B2600 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.08$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3090; ConvF(4.47, 4.47, 4.47); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (71x61x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (interpolated) = 0.838 mW/g

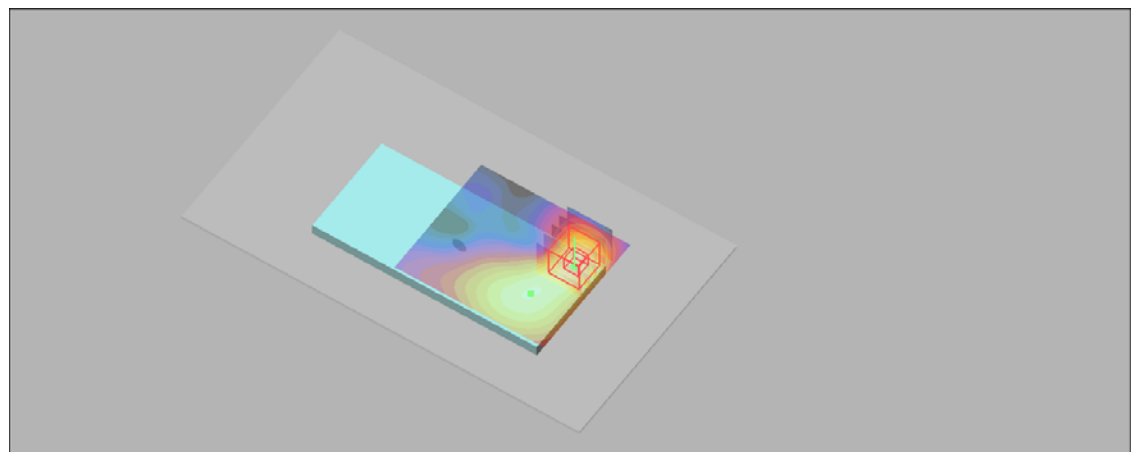
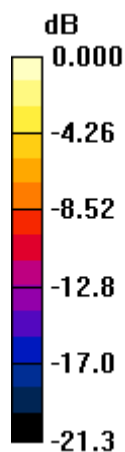
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.82 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.326 mW/g**

Maximum value of SAR (measured) = 0.837 mW/g



0 dB = 0.837mW/g

## **P21\_LTE 38\_QPSK20M\_Rear Face\_10mm\_38000\_1RB\_50 Offset\_on**

### **DUT: EUT**

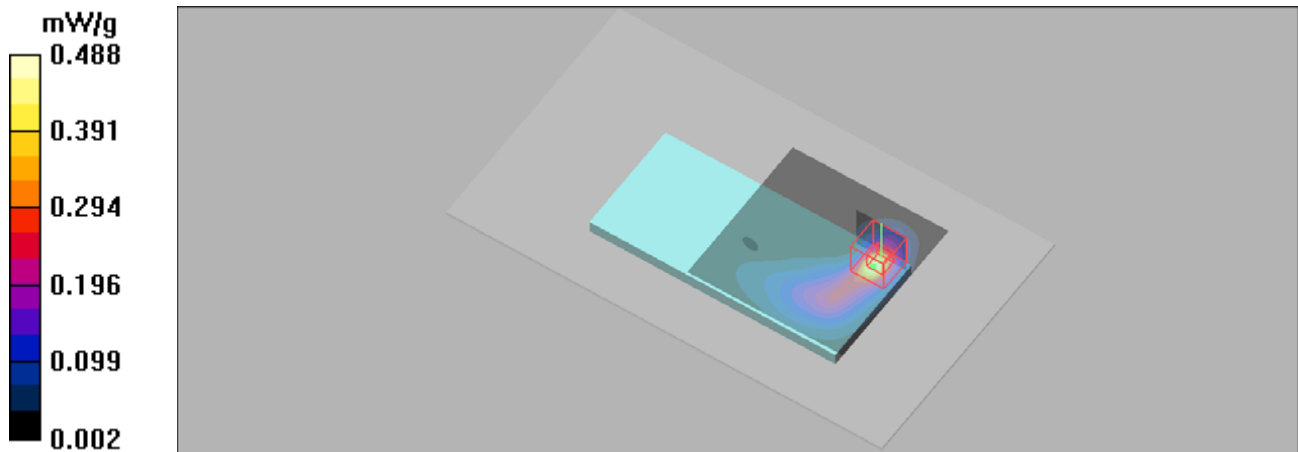
Communication System: TD-LTE Band38; Frequency: 2610 MHz; Duty Cycle: 1:1.58  
Medium: B2600 Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.21$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### **DASY4 Configuration:**

- Probe: ES3DV3 - SN3090; ConvF(4.24, 4.24, 4.24); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (51x51x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (interpolated) = 0.488 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 1.22 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.781 W/kg  
**SAR(1 g) = 0.32 mW/g; SAR(10 g) = 0.136 mW/g**  
Maximum value of SAR (measured) = 0.498 mW/g



## P22\_802.11b\_Rear Face\_10mm\_11

Date: 2019/8/5

### DUT: EUT

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

Medium: B2600 Medium parameters used (extrapolated):  $f = 2462$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.9$ ;

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.47, 4.47, 4.47); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (71x61x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.266 mW/g

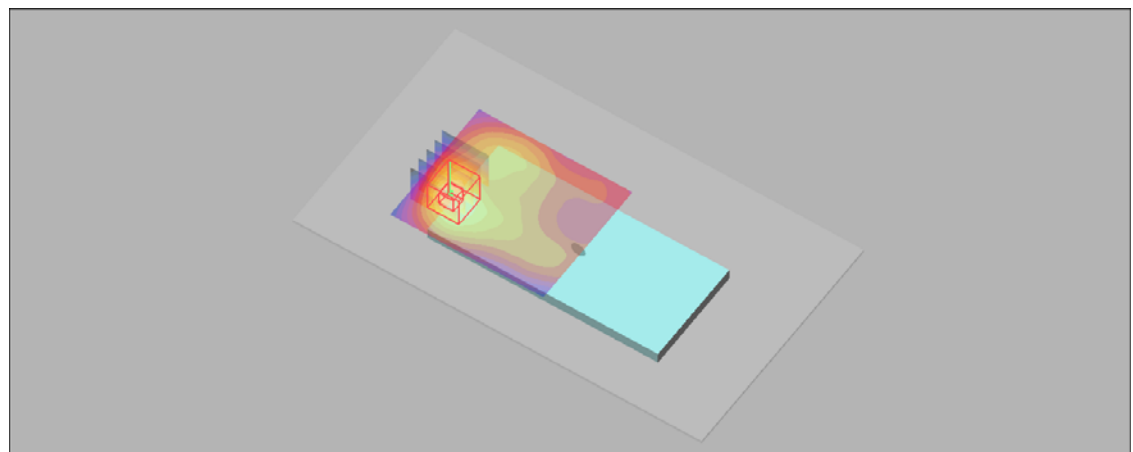
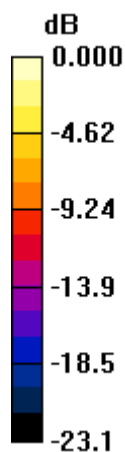
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.95 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.390 W/kg

**SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.087 mW/g**

Maximum value of SAR (measured) = 0.256 mW/g



0 dB = 0.256mW/g

## P23\_GSM850\_GSM\_Rear Face\_10mm\_128

Date: 2019/8/3

### DUT: EUT

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: B850 Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 55.7$ ;

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.18, 6.18, 6.18); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (71x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.288 mW/g

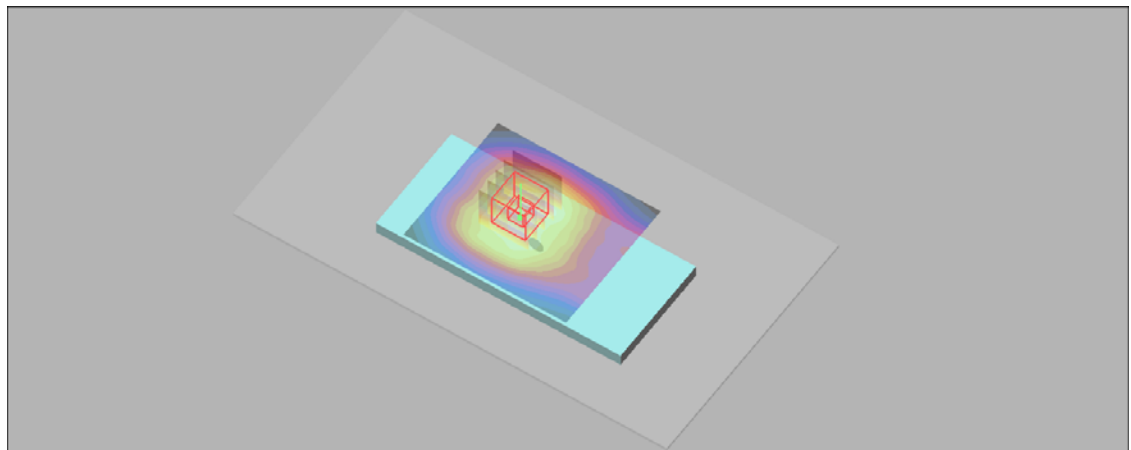
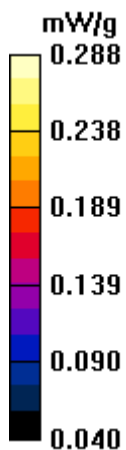
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 0.320 W/kg

**SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.193 mW/g**

Maximum value of SAR (measured) = 0.289 mW/g



## P24\_GSM1900\_GSM\_Rear Face\_10mm\_512\_on

Date: 2019/8/13

### DUT: EUT

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: B1900 Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 54.9$ ;

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.79, 4.79, 4.79); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.758 mW/g

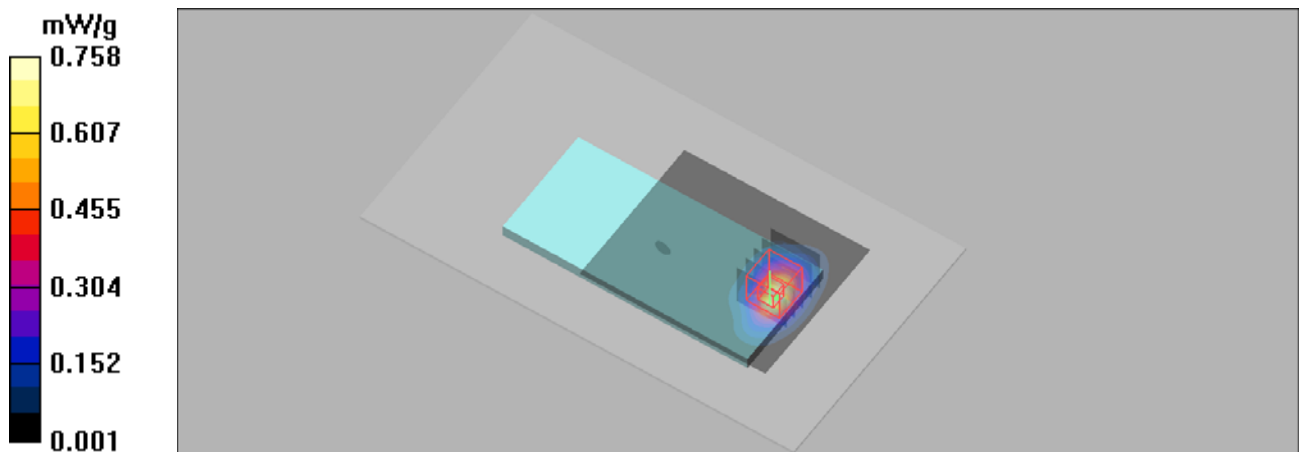
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.04 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.709 mW/g; SAR(10 g) = 0.374 mW/g**

Maximum value of SAR (measured) = 0.823 mW/g





## P25\_WCDMA II\_RMC12.2K\_Rear Face\_10mm\_9538\_on

Date: 2019/8/13

### DUT: EUT

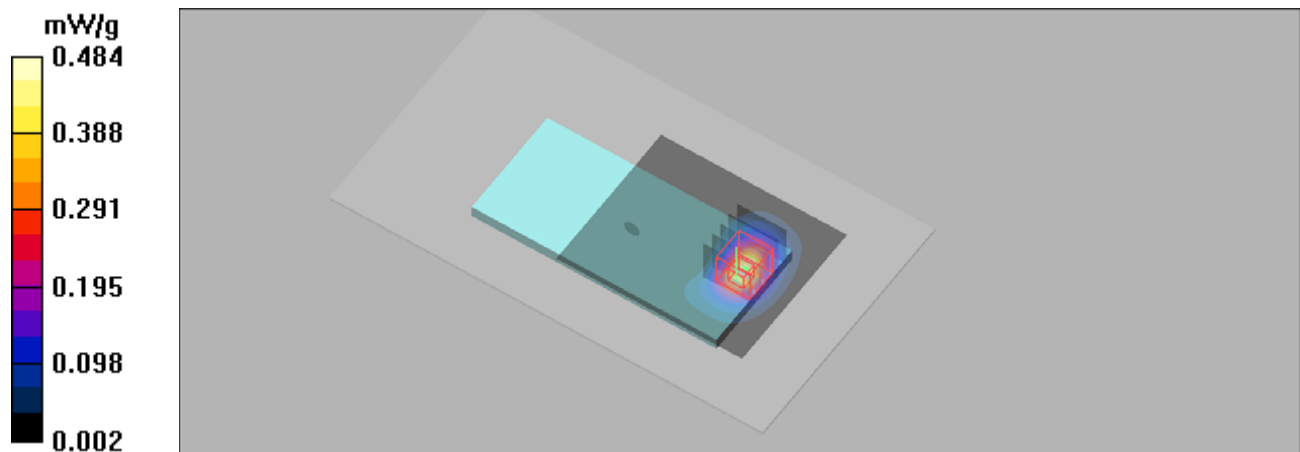
Communication System: WCDMA Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: B1900 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.79, 4.79, 4.79); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x51x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.484 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.47 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.789 W/kg  
**SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.238 mW/g**  
Maximum value of SAR (measured) = 0.553 mW/g



## P26\_WCDMA IV\_RMC12.2K\_Rear Face\_10mm\_1513\_on

Date: 2019/8/10

### DUT: EUT

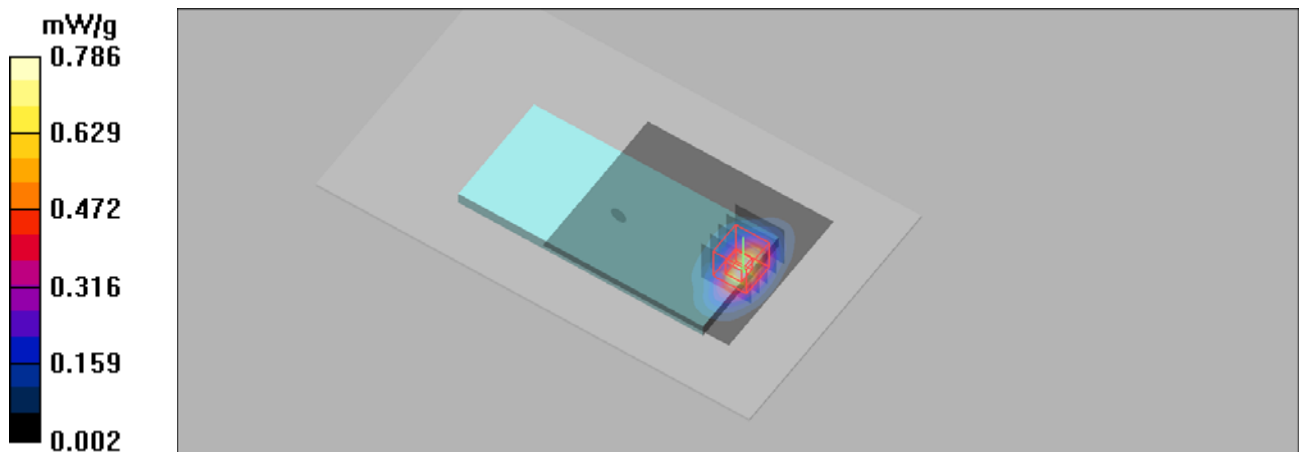
Communication System: WCDMA Band IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: B1750 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.95, 4.95, 4.95); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x51x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.786 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.68 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 1.23 W/kg  
**SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.381 mW/g**  
Maximum value of SAR (measured) = 0.831 mW/g



**DUT: EUT**

Communication System: LTE Band 2; Frequency: 1900 MHz; Duty Cycle: 1:1

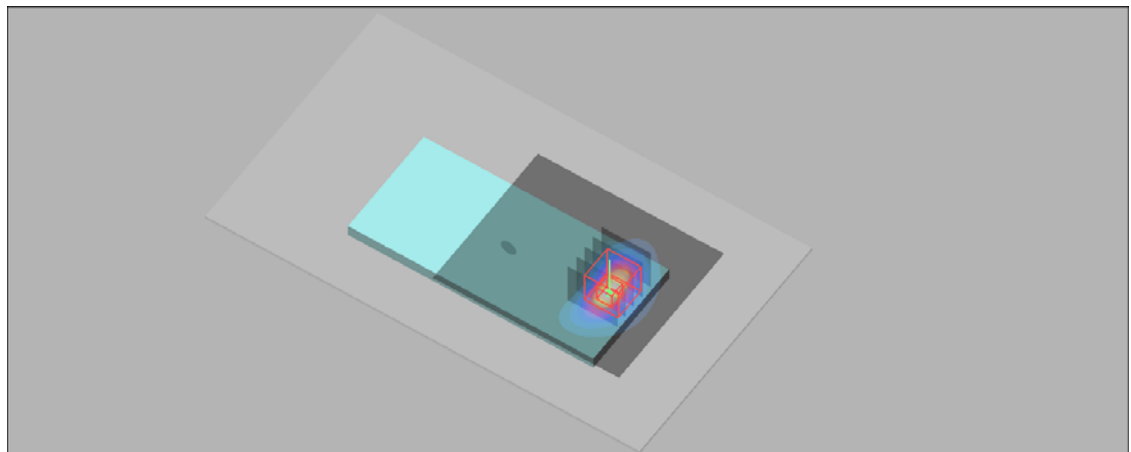
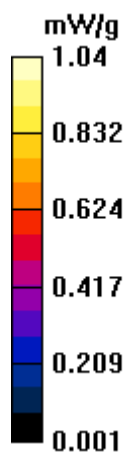
Medium: B1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.79, 4.79, 4.79); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x51x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (interpolated) = 1.04 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 2.82 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 1.35 W/kg  
**SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.436 mW/g**  
Maximum value of SAR (measured) = 1.01 mW/g



**DUT: EUT**

Communication System: LTE Band 4&20M; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: B1750 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3090; ConvF(4.95, 4.95, 4.95); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (61x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.776 mW/g

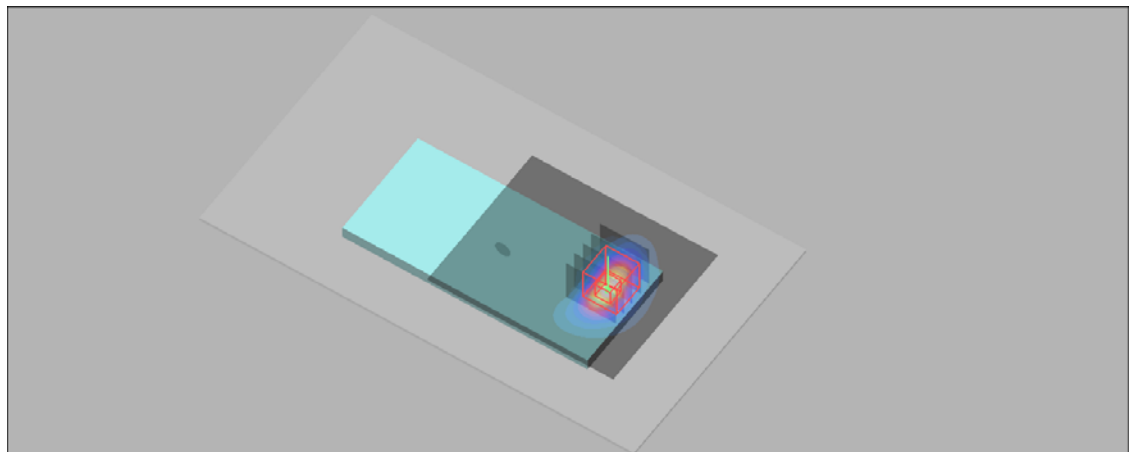
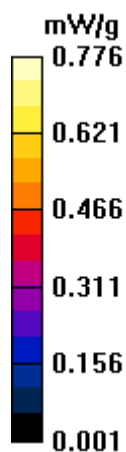
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.66 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.366 mW/g**

Maximum value of SAR (measured) = 0.832 mW/g



## P29\_LTE 5\_QPSK10M\_Rear Face\_10mm\_20600\_1RB\_24 Offset

Date: 2019/8/3

### DUT: EUT

Communication System: LTE Band5; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: B850 Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.986$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.18, 6.18, 6.18); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Test/Area Scan (81x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.129 mW/g

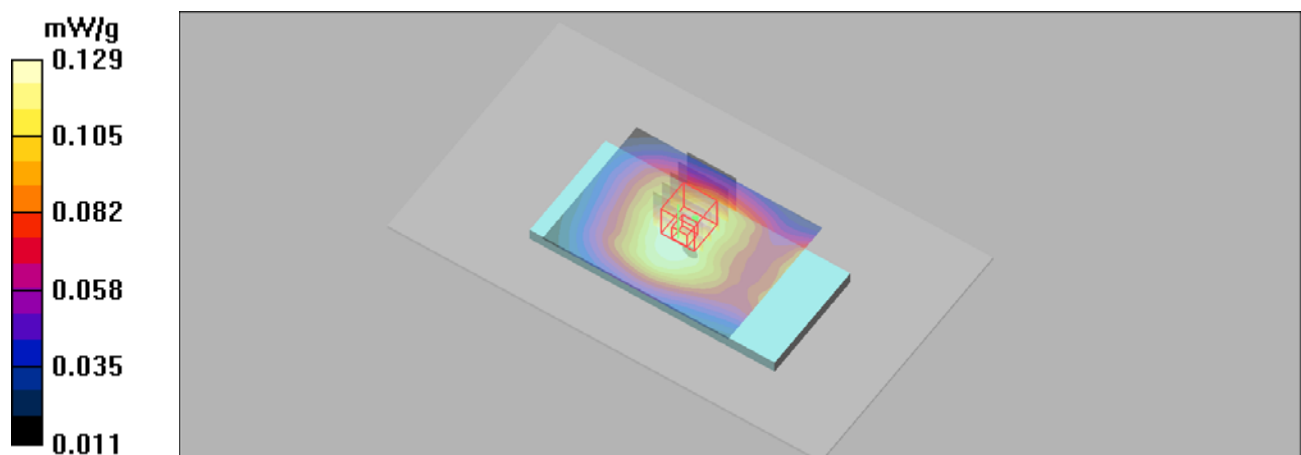
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.139 W/kg

**SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.086 mW/g**

Maximum value of SAR (measured) = 0.127 mW/g



## P30\_BT Left Tilt Mid

Date: 2019/8/5

### DUT: EUT

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.299  
Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.861$  S/m;  $\epsilon_r = 40.871$ ;  $\rho = 1000$  kg/m<sup>3</sup>

#### DASY5 Configuration:

Probe: ES3DV3 - SN3090; ConvF(4.57, 4.57, 4.57); Calibrated: 2019/4/12

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn662; Calibrated: 2019/4/11

Phantom: SAM 2; Type: SAM;

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Test/ Area Scan (71x121x1):** Interpolated grid:  $dx=15$  mm,  $dy=15$  mm

Maximum value of SAR (interpolated) = 0.105 W/kg

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

Reference Value = 4.310 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.257 W/kg

**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.045 W/kg**

Maximum value of SAR (measured) = 0.124 W/kg

