Test Laboratory: UnionTrust Date: 7/18/2018

## P01 GSM850_GPRS12_Left Cheek_128

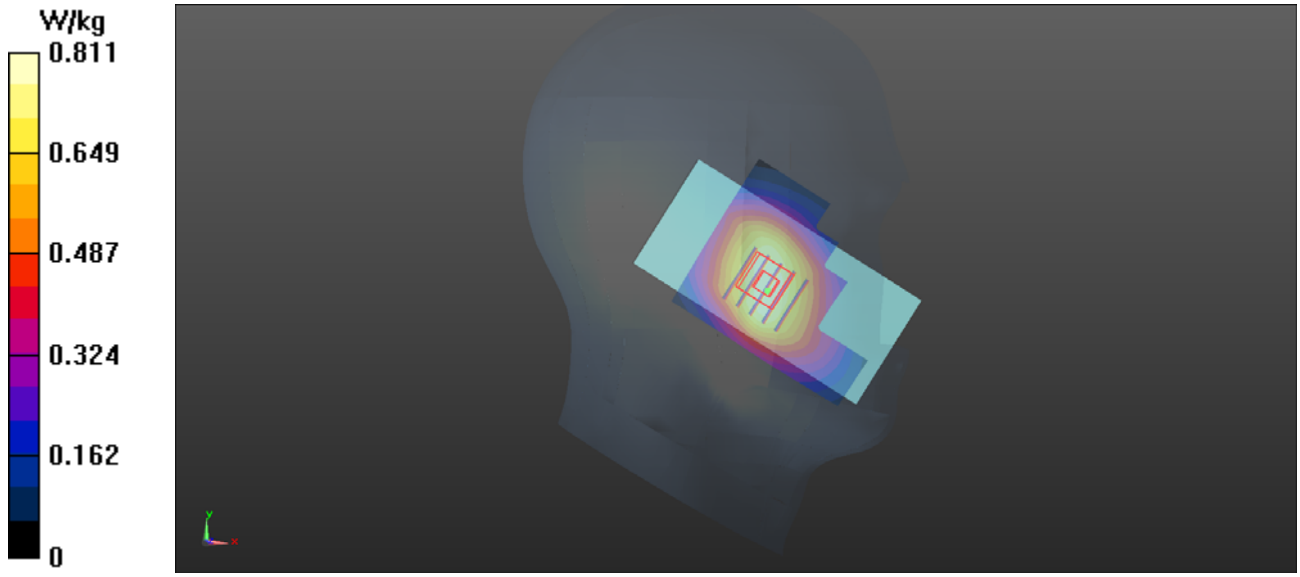
### DUT: EUT

Communication System: UID 0, GPRS 4TX (0); Frequency: 824.2 MHz;Duty Cycle: 1:2
Medium: HSL850 Medium parameters used (interpolated): f = 824.2 MHz; $\sigma$ = 0.875 S/m; $\varepsilon_r$ = 42.117; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(6.13, 6.13, 6.13); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.811 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.20 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.941 W/kg
**SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.564 W/kg**
Maximum value of SAR (measured) = 0.819 W/kg



Test Laboratory: UnionTrust Date: 7/19/2018

## P02 GSM1900_GPRS12_Left Cheek_810

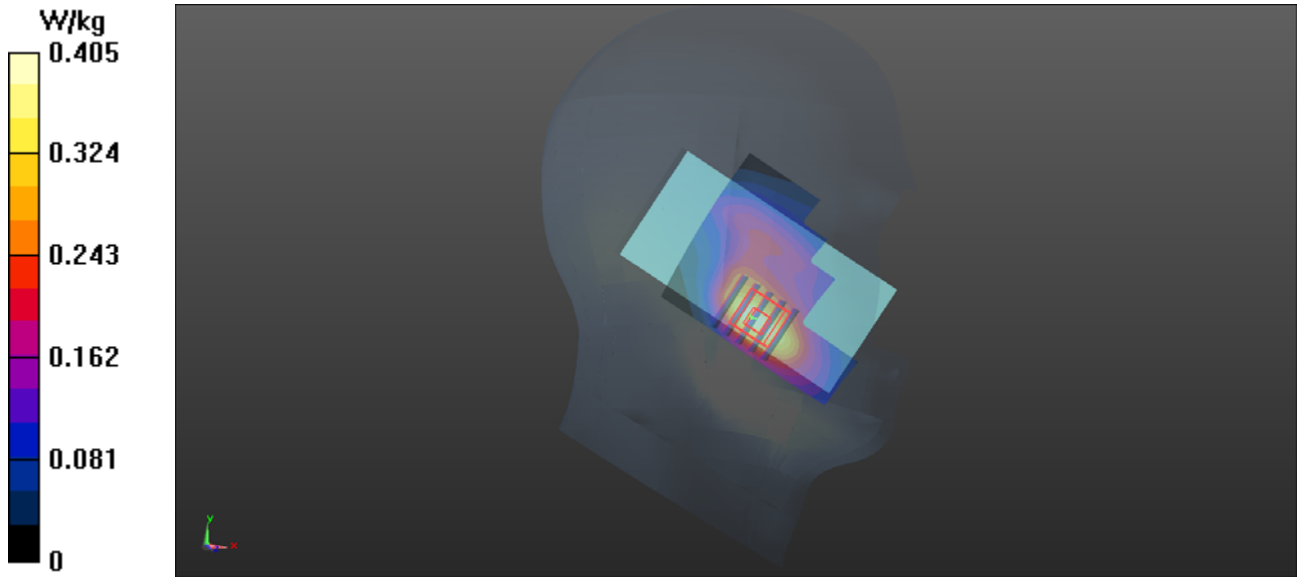
### DUT: EUT

Communication System: UID 0, GPRS 4TX (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: HSL1900 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.396 S/m; $\varepsilon_r$ = 40.43; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(5.13, 5.13, 5.13); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.405 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.942 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.522 W/kg
**SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.203 W/kg**
Maximum value of SAR (measured) = 0.387 W/kg



Test Laboratory: UnionTrust Date: 7/19/2018

## P03 WCDMA II_RMC12.2K_Left Cheek_9262

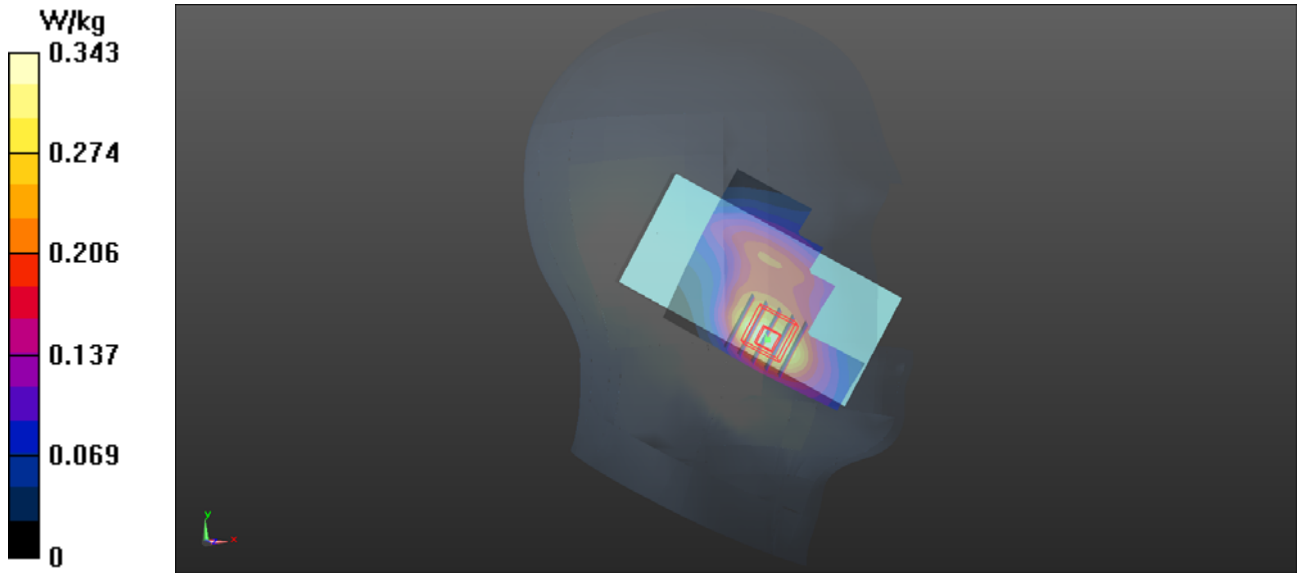
### DUT: EUT

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1852.4 MHz; $\sigma$ = 1.317 S/m; $\varepsilon_r$ = 40.346; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(5.13, 5.13, 5.13); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.343 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.009 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.443 W/kg
**SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.178 W/kg**
Maximum value of SAR (measured) = 0.335 W/kg



Test Laboratory: UnionTrust Date: 7/19/2018

## P04 WCDMA IV_RMC12.2K_Right Cheek_1413

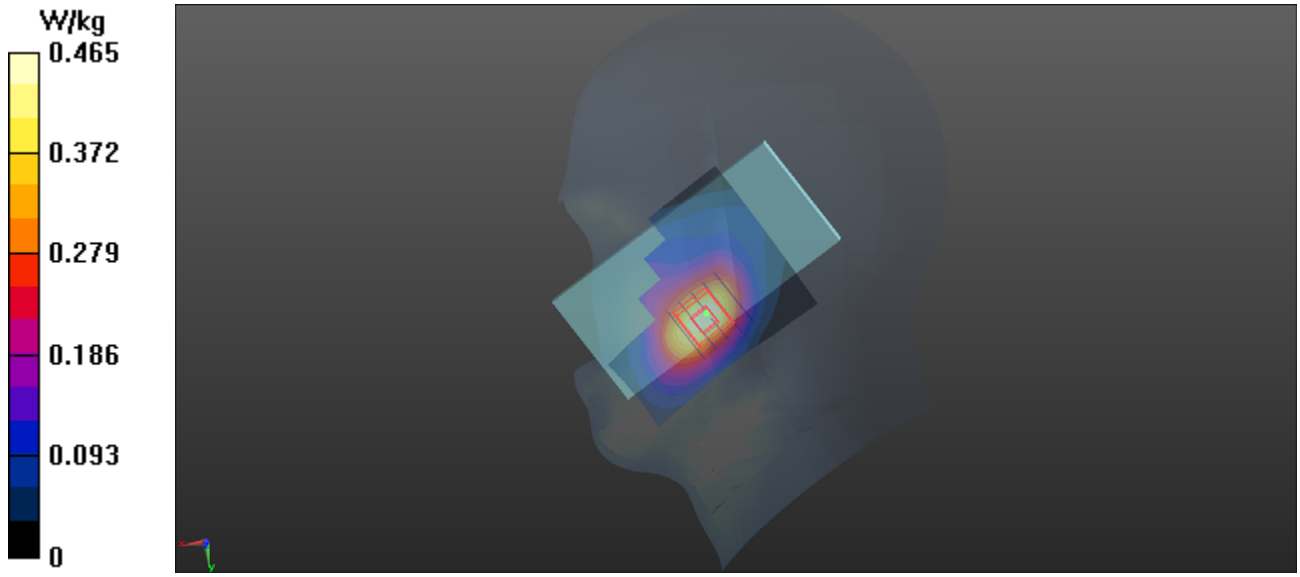
### DUT: EUT

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL1800 Medium parameters used (interpolated): f = 1732.6 MHz; $\sigma$ = 1.35 S/m; $\varepsilon_r$ = 41.174; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(5.33, 5.33, 5.33); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.465 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.196 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.596 W/kg
**SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.259 W/kg**
Maximum value of SAR (measured) = 0.461 W/kg



Test Laboratory: UnionTrust Date: 7/18/2018

## P05 WCDMA V_RMC12.2K_Left Cheek_4132

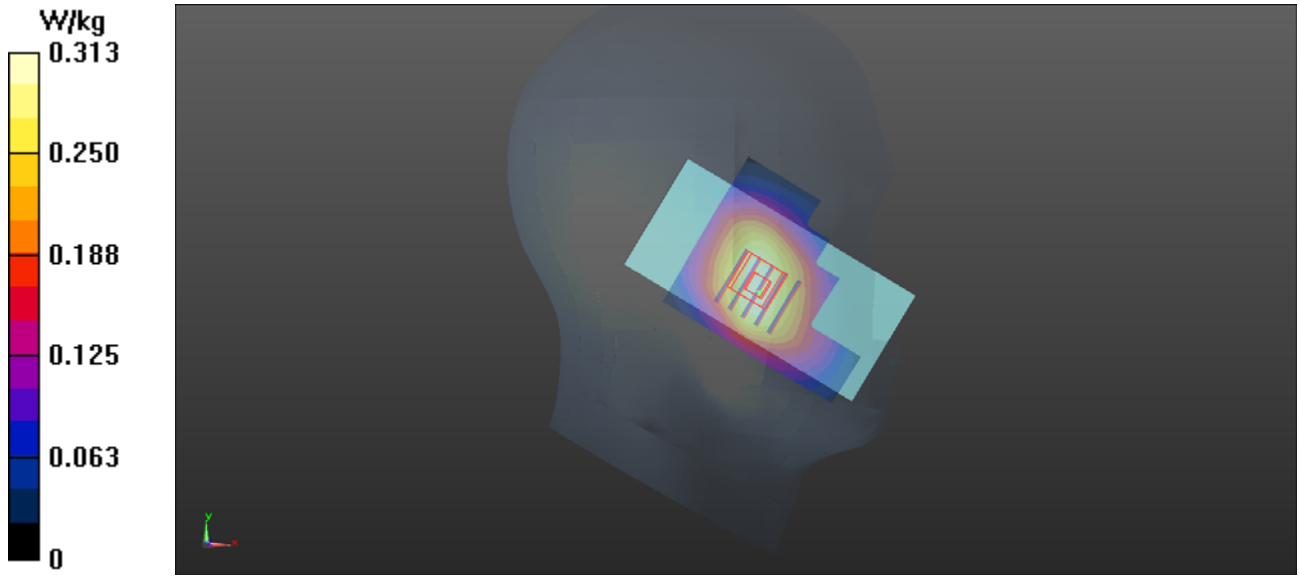
### DUT: EUT

Communication System: UID 0, WCDMA (0); Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 826.4 MHz; $\sigma$ = 0.877 S/m; $\varepsilon_r$ = 42.09; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(6.13, 6.13, 6.13); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.313 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.503 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.372 W/kg
**SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.215 W/kg**
Maximum value of SAR (measured) = 0.316 W/kg



Test Laboratory: UnionTrust Date: 7/20/2018

## P06 802.11b_Right Cheek_1

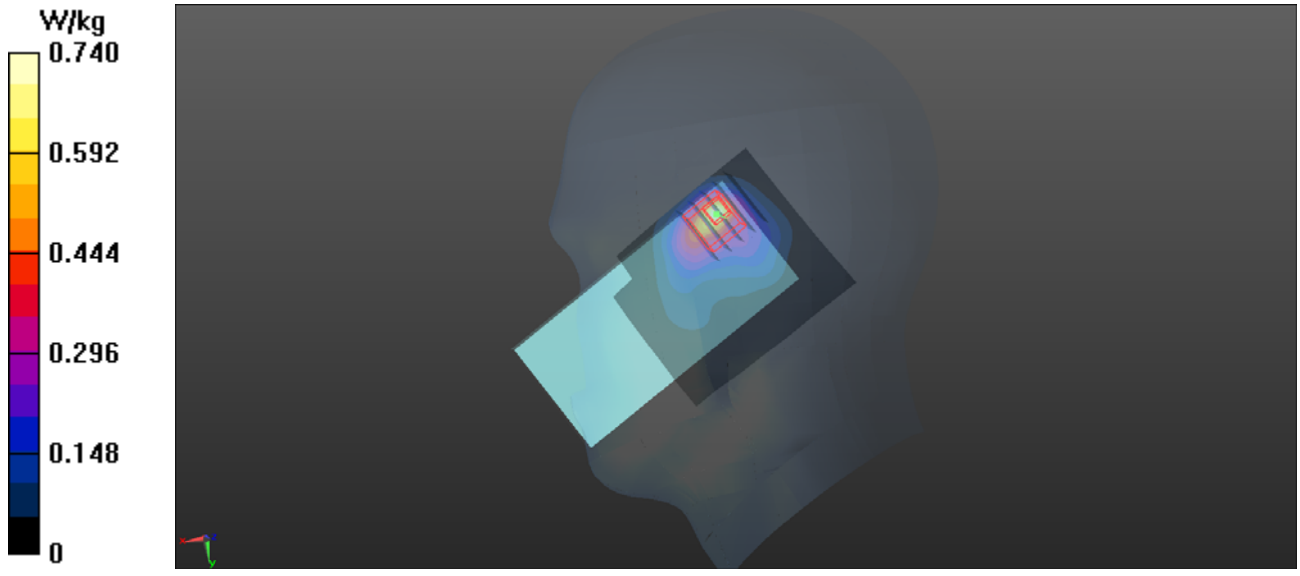
### DUT: EUT

Communication System: UID 0, 802.11b (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2412 MHz; $\sigma$ = 1.77 S/m; $\varepsilon_r$ = 39.699; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(4.74, 4.74, 4.74); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.740 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.46 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.04 W/kg
**SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.229 W/kg**
Maximum value of SAR (measured) = 0.596 W/kg



Test Laboratory: UnionTrust Date: 7/20/2018

## P07 GSM850_GPRS12_Rear Face_1cm_128

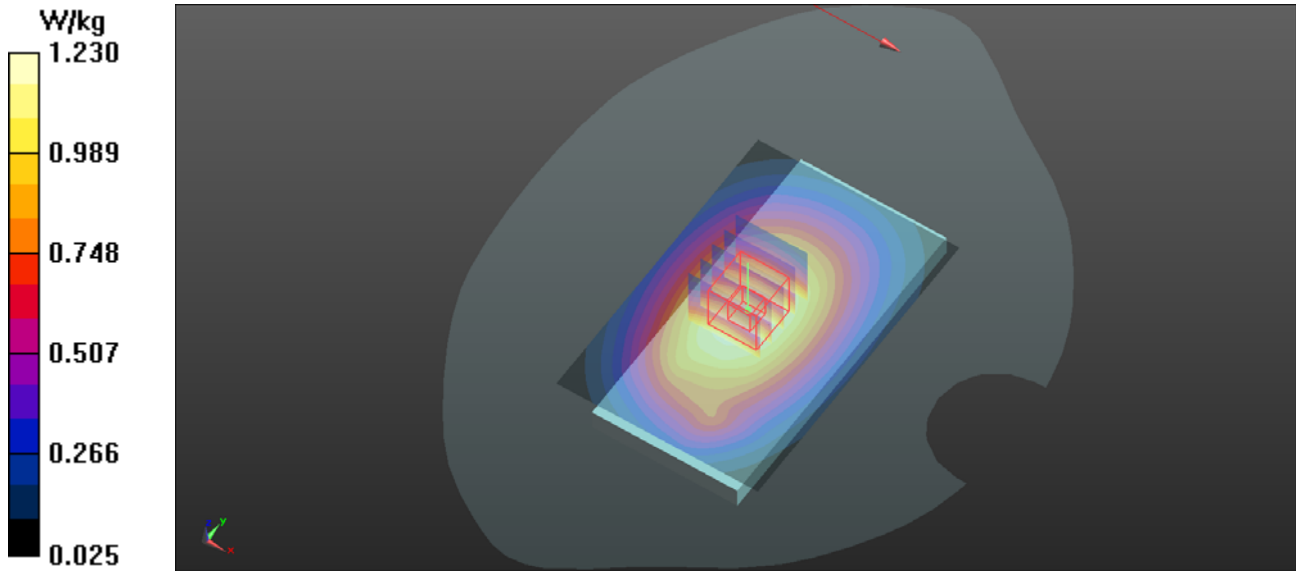
### DUT: EUT

Communication System: UID 0, GPRS 4TX (0); Frequency: 824.2 MHz;Duty Cycle: 1:2
Medium: MSL850 Medium parameters used (interpolated): f = 824.2 MHz; $\sigma$ = 0.97 S/m; $\varepsilon_r$ = 57.445; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(6.29, 6.29, 6.29); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.32 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.43 W/kg
**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.849 W/kg**
Maximum value of SAR (measured) = 1.24 W/kg



Test Laboratory: UnionTrust Date: 7/17/2018

## P08 GSM1900_GPRS12_Rear Face_1cm_810

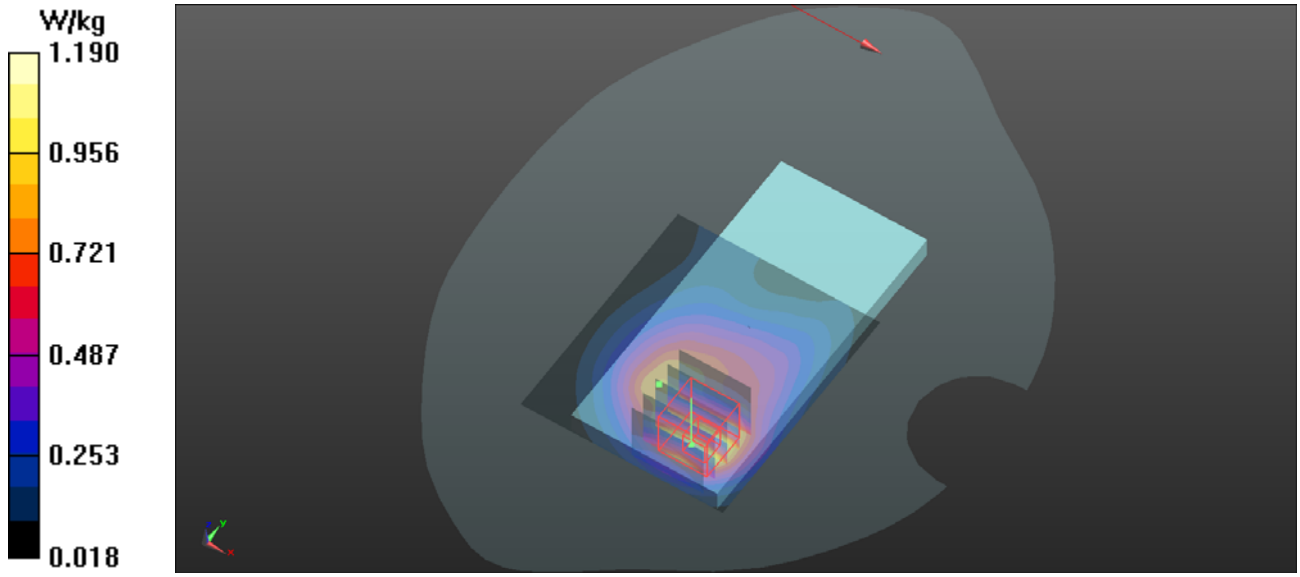
### DUT: EUT

Communication System: UID 0, GPRS 4TX (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL1900 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.562 S/m; $\varepsilon_r$ = 52.557; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(4.8, 4.8, 4.8); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.19 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.18 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.71 W/kg
**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.573 W/kg**
Maximum value of SAR (measured) = 1.22 W/kg



Test Laboratory: UnionTrust Date: 7/17/2018

## P09 WCDMA II_RMC12.2K_Rear Face_1cm_9538

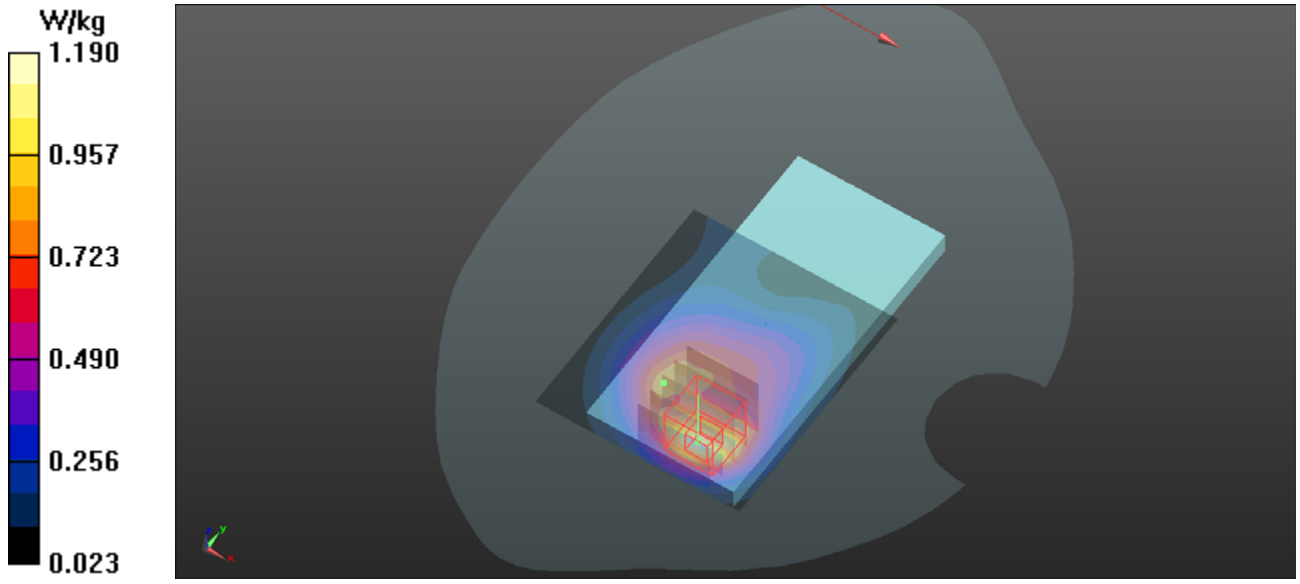
### DUT: EUT

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1908 MHz; $\sigma$ = 1.559 S/m; $\varepsilon_r$ = 52.561; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(4.8, 4.8, 4.8); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.19 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.19 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.57 W/kg
**SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.543 W/kg**
Maximum value of SAR (measured) = 1.16 W/kg



Test Laboratory: UnionTrust Date: 7/17/2018

## P10 WCDMA IV_RMC12.2K_Rear Face_1cm_1413

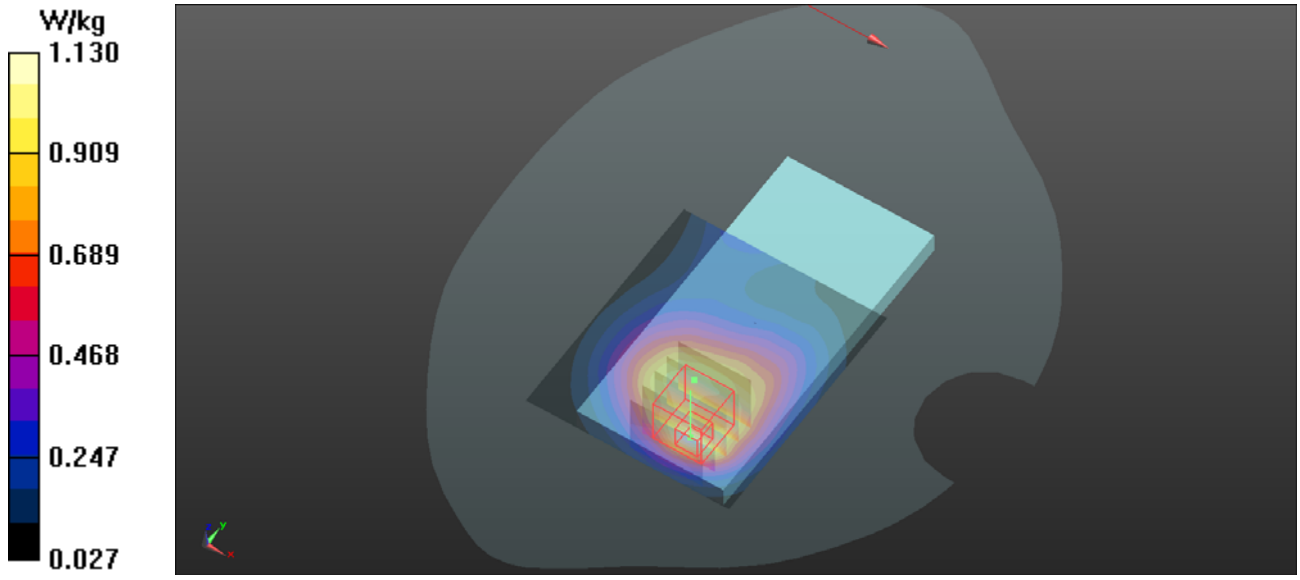
### DUT: EUT

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL1800 Medium parameters used: f = 1733 MHz; $\sigma$ = 1.473 S/m; $\varepsilon_r$ = 52.023; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(4.99, 4.99, 4.99); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.26 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.44 W/kg
**SAR(1 g) = 0.896 W/kg; SAR(10 g) = 0.550 W/kg**
Maximum value of SAR (measured) = 1.09 W/kg



Test Laboratory: UnionTrust Date: 7/20/2018

# P11 WCDMA V_RMC12.2K_Rear Face_1cm_4132

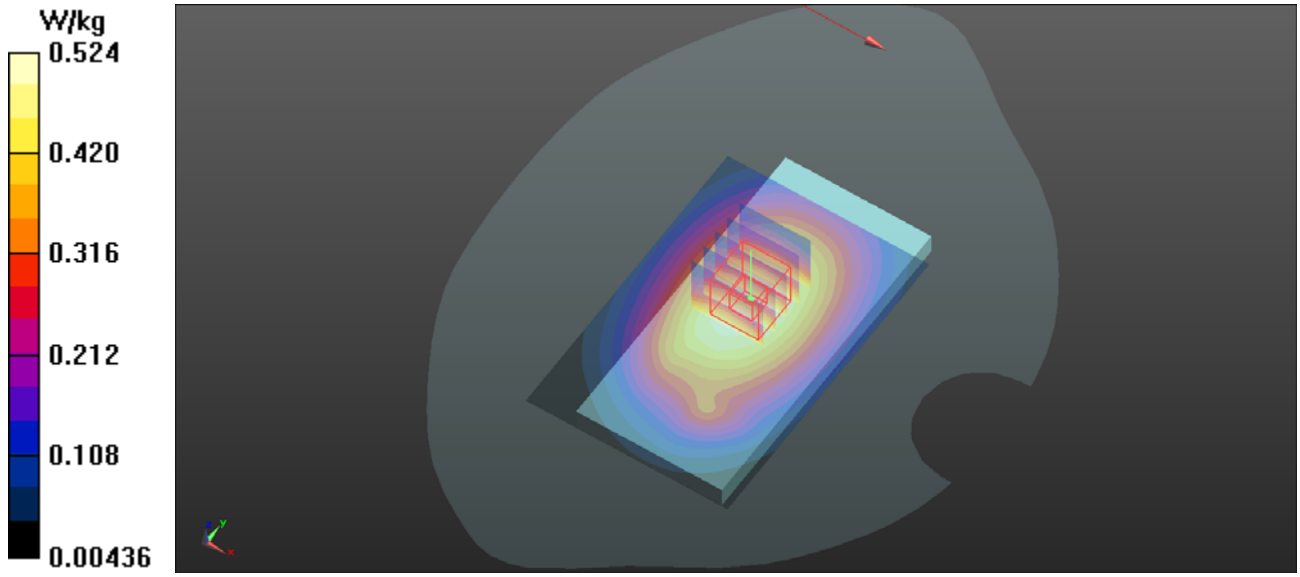
## DUT: EUT

Communication System: UID 0, WCDMA (0); Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL850 Medium parameters used (interpolated): f = 826.4 MHz; $\sigma$ = 0.972 S/m; $\varepsilon_r$ = 57.425; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(6.29, 6.29, 6.29); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.524 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.98 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.606 W/kg
**SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.361 W/kg**
Maximum value of SAR (measured) = 0.525 W/kg



Test Laboratory: UnionTrust Date: 7/20/2018

## P12 802.11b_Rear Face_1cm_1

### DUT: EUT

Communication System: UID 0, 802.11b (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2412 MHz; $\sigma$ = 1.946 S/m; $\varepsilon_r$ = 52.449; $\rho$ = 1000 kg/m$^3$

DASY5 Configuration:
- Probe: ES3DV3 - SN3240; ConvF(4.57, 4.57, 4.57); Calibrated: 3/28/2018;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn420; Calibrated: 3/22/2018
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1469
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Configuration/Test/Area Scan (61x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.190 W/kg

**Configuration/Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.912 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.307 W/kg
**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.081 W/kg**
Maximum value of SAR (measured) = 0.190 W/kg