P01_GSM850_GPRS10_Right Cheek_251

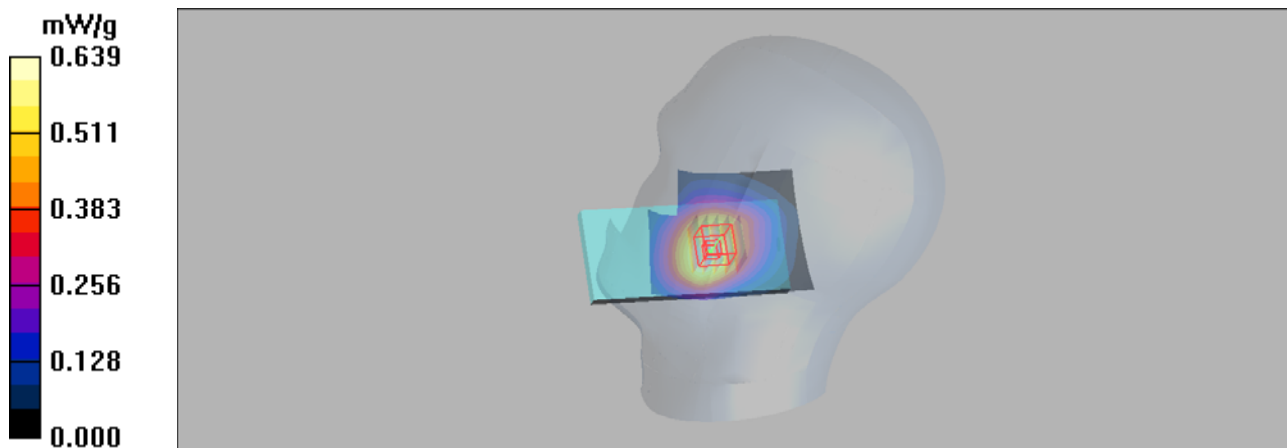**DUT: EUT**

Communication System: GPRS 850-2solt; Frequency: 848.8 MHz;Duty Cycle: 1:4.0
Medium: HSL850 Medium parameters used: f = 849 MHz; σ = 0.941 mho/m; ε_r = 42.8; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.34, 6.34, 6.34); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.639 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.757 W/kg
SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.428 mW/g
Maximum value of SAR (measured) = 0.643 mW/g

P02_GSM1900_GPRS10_Right Cheek_512

DUT: EUT

Communication System: GPRS1900-2slots; Frequency: 1850.2 MHz;Duty Cycle: 1:4.0
Medium: HSL1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.4 mho/m; ε_r =

41.6; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.92, 4.92, 4.92); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
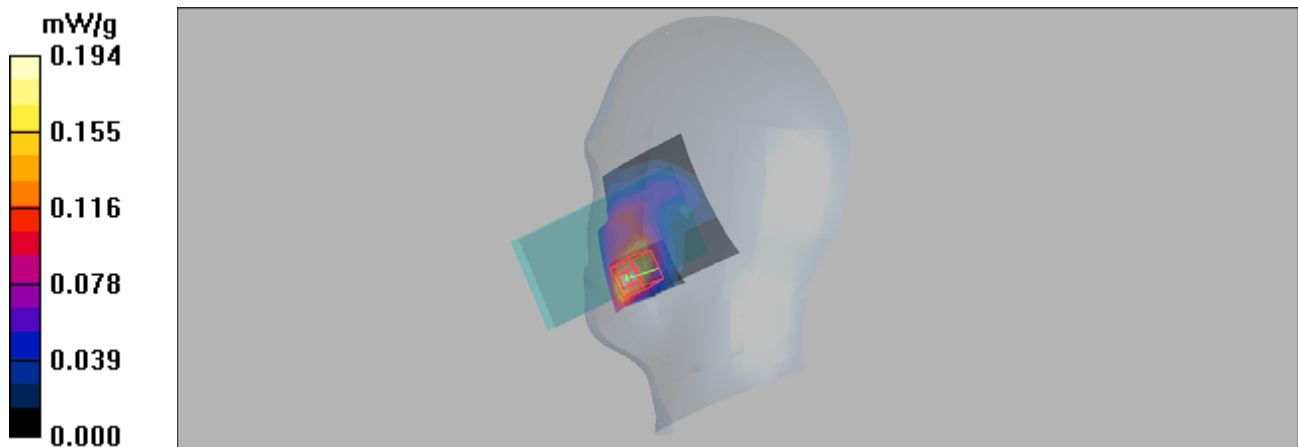Maximum value of SAR (interpolated) = 0.194 mW/g
Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.59 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.247 W/kg
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.192 mW/g

P03_WCDMA II_RMC12.2K_Right Cheek_9400

DUT: EUT

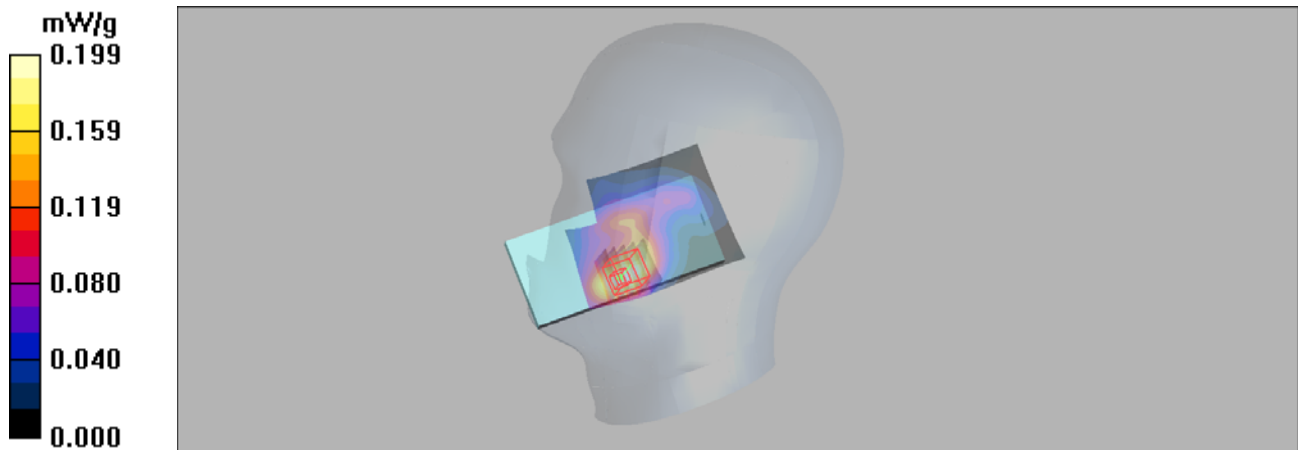Communication System: WCDMA Band II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.43 mho/m; ε_r = 41.5; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.92, 4.92, 4.92); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.199 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.15 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.196 mW/g

P04_WCDMA IV_RMC12.2K_Left Cheek_1413

DUT: EUT

Communication System: WCDMA Band IV; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL1750 Medium parameters used: f = 1733 MHz; σ = 1.36 mho/m; ε_r = 39.4; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.3, 5.3, 5.3); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.179 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.25 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.227 W/kg
SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.101 mW/g
Maximum value of SAR (measured) = 0.182 mW/g
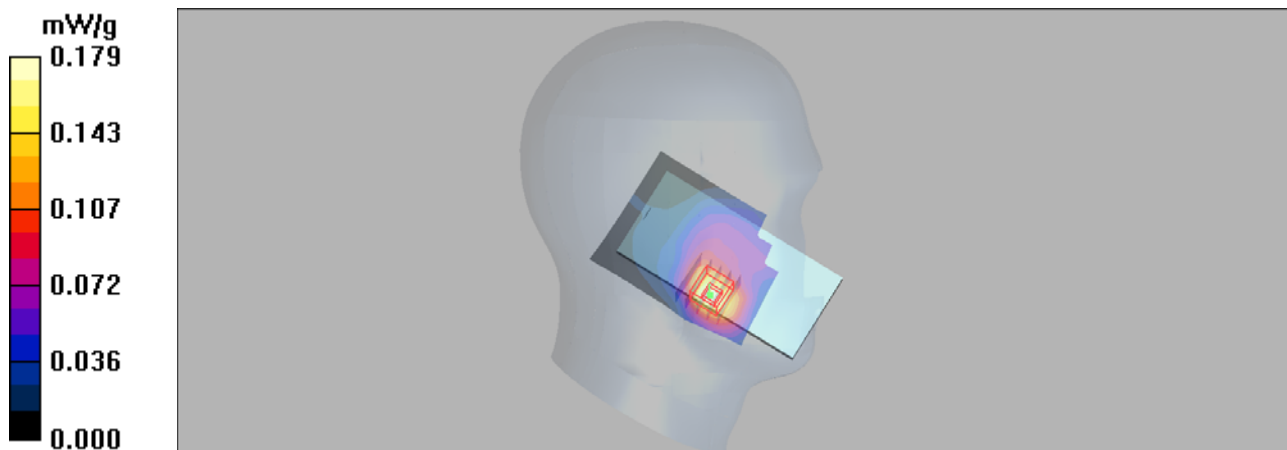
P05_WCDMA V_RMC12.2K_Right Cheek_4182

DUT: EUT

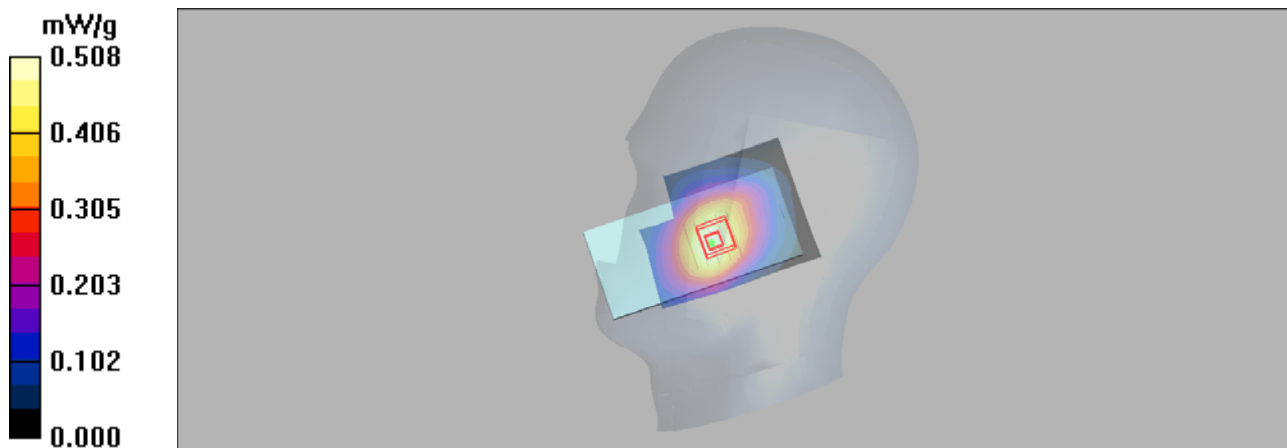Communication System: WCDMA Band V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.929 mho/m; ε_r = 43;

ρ = 1000 kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.34, 6.34, 6.34); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.508 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.60 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.596 W/kg
SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.343 mW/g
Maximum value of SAR (measured) = 0.511 mW/g

P06_LTE 2_QPSK20M_Right Cheek_18900_1RB_50 offset

DUT: EUT

Communication System: LTE Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 41.1; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.92, 4.92, 4.92); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP/1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
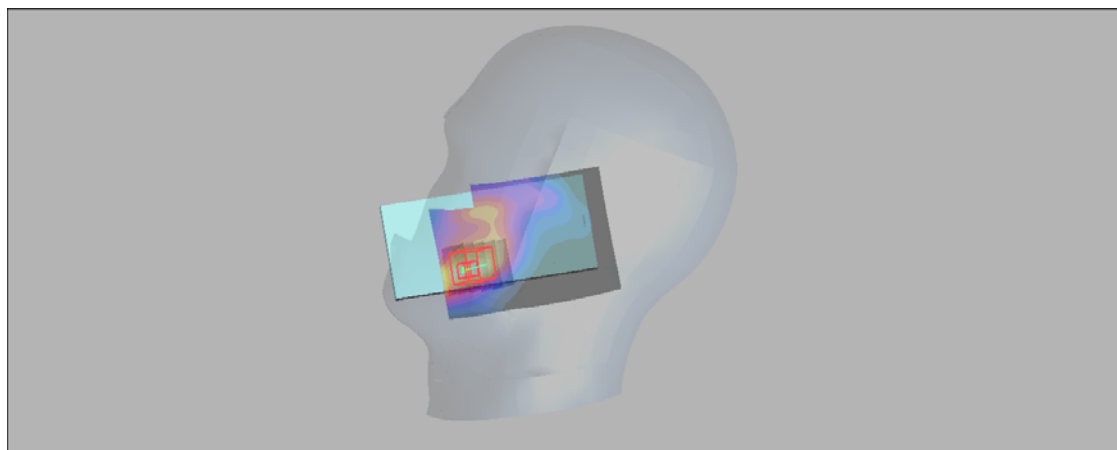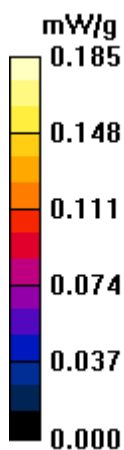Maximum value of SAR (interpolated) = 0.185 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.71 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.237 W/kg
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.183 mW/g

## P07_LTE 4_QPSK20M_Left Cheek_20175_1RB_50 offset

DUT: EUT

Communication System: LTE Band 4&20M; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.36 mho/m; ε_r =

39.4; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.3, 5.3, 5.3); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP/1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.240 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.26 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.128 mW/g
Maximum value of SAR (measured) = 0.236 mW/g
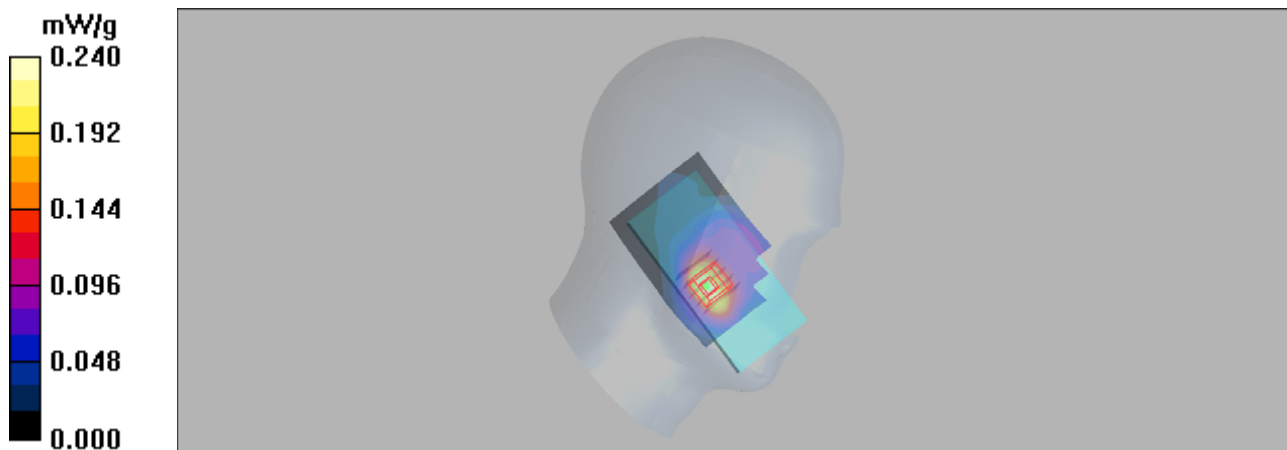
P08_LTE 5_QPSK10M_Right Cheek_20450_1RB_24 offset

DUT: EUT

Communication System: LTE Band5; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: HSL850 Medium parameters used: f = 829 MHz; σ = 0.885 mho/m; ε_r = 42.4; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.34, 6.34, 6.34); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
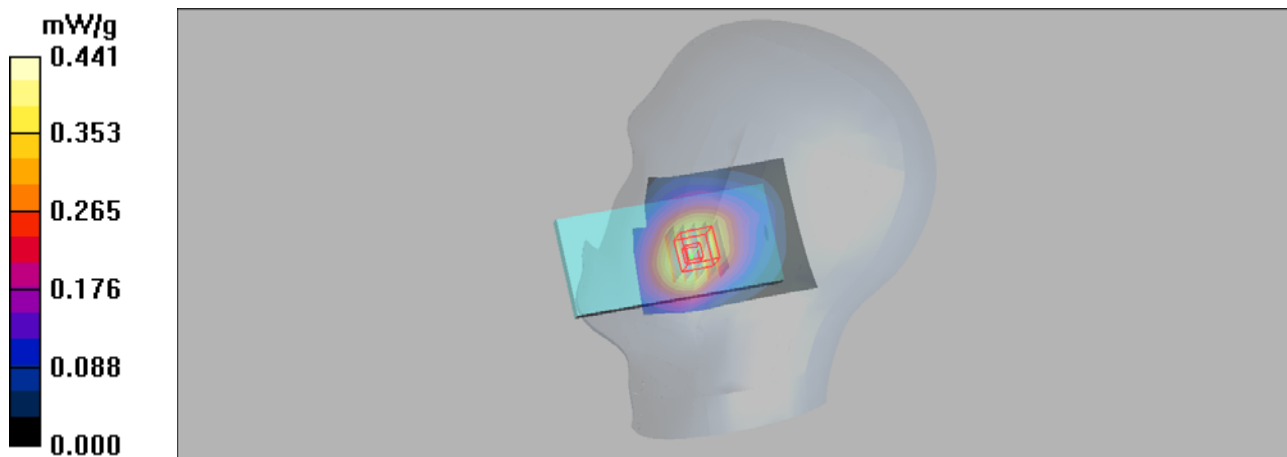Maximum value of SAR (interpolated) = 0.441 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.60 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.507 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 0.433 mW/g

P09_LTE 12_QPSK10M_Right Cheek_23130_1RB_24 offset

DUT: EUT

Communication System: LTE Band 12; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: HSL750 Medium parameters used: f = 711 MHz; σ = 0.875 mho/m; ε_r = 41; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.34, 6.34, 6.34); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
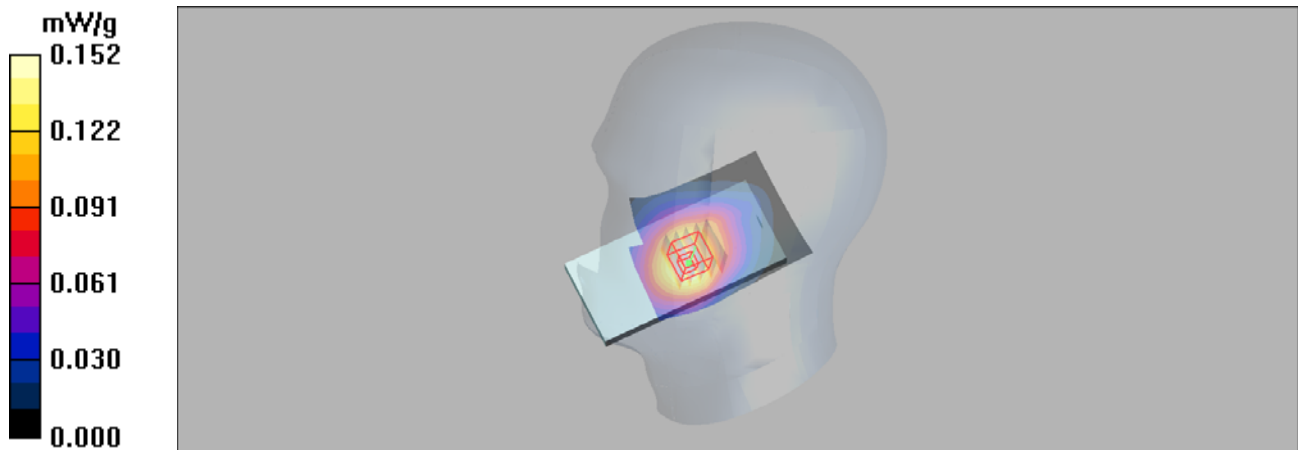Maximum value of SAR (interpolated) = 0.152 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.97 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.178 W/kg
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.151 mW/g

P10_802.11b_Right Cheek_11

DUT: EUT

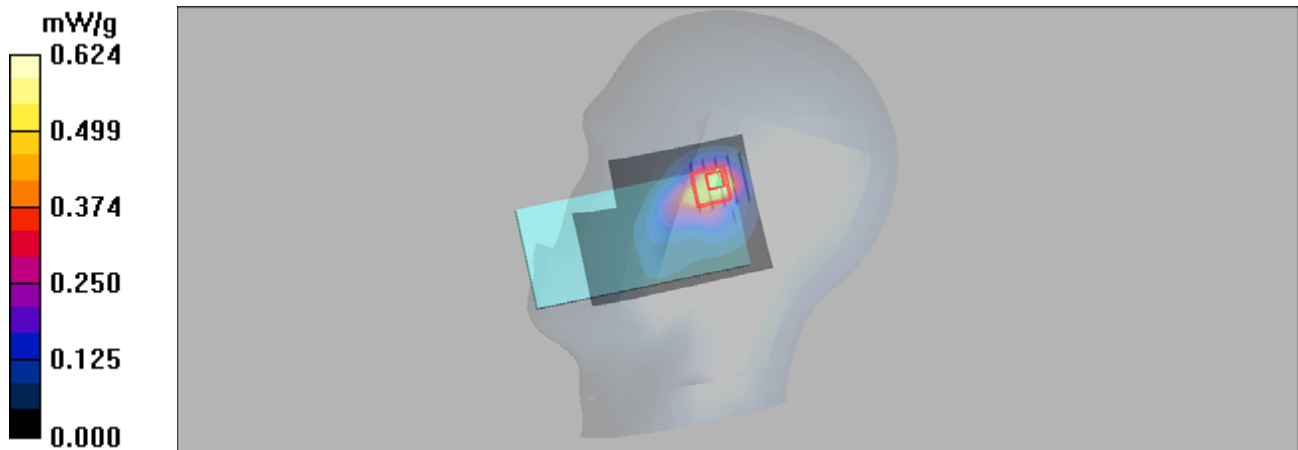Communication System: Wlan 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450 Medium parameters used: f = 2462 MHz; σ = 1.79 mho/m; ε_r = 40.4; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.54, 4.54, 4.54); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.624 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.04 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.263 mW/g
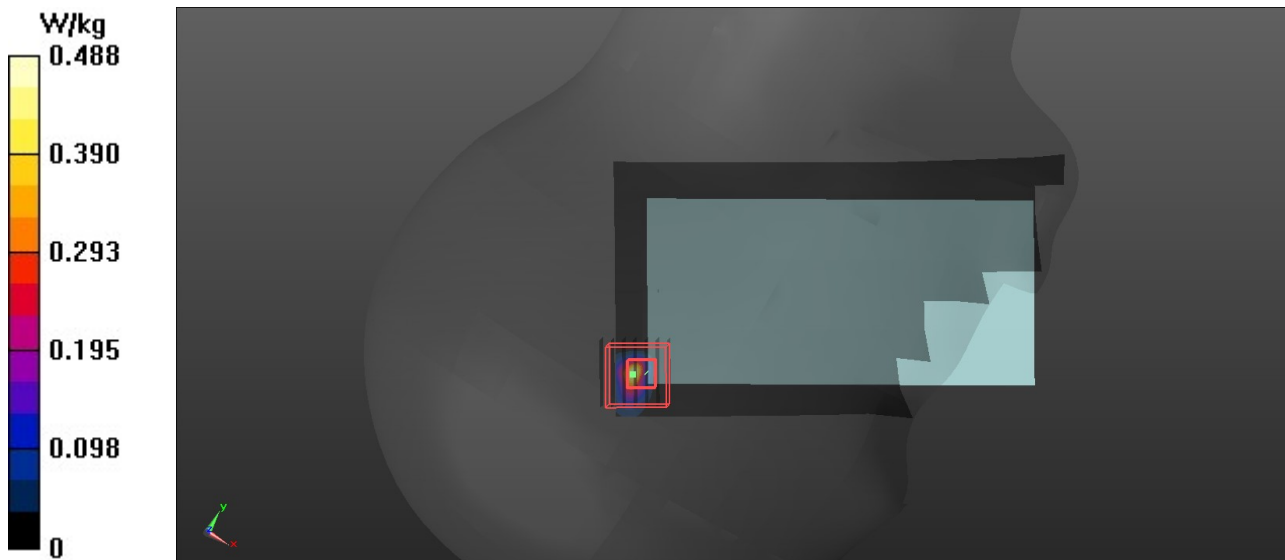Maximum value of SAR (measured) = 0.612 mW/g

P11 802.11a_Right Tilted_Ch48

Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1.03
Medium: H5G_0121 Medium parameters used: f = 5240 MHz; σ = 4.489 S/m; ε_r = 34.981; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: EX3DV4 - SN7506; ConvF(5.65, 5.65, 5.65) ; Calibrated: 6/22/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 6/5/2018
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

- Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.488 W/kg

- Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.328 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.281 W/kg
SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.210 W/kg

P12 802.11a_Right Tilted_Ch100

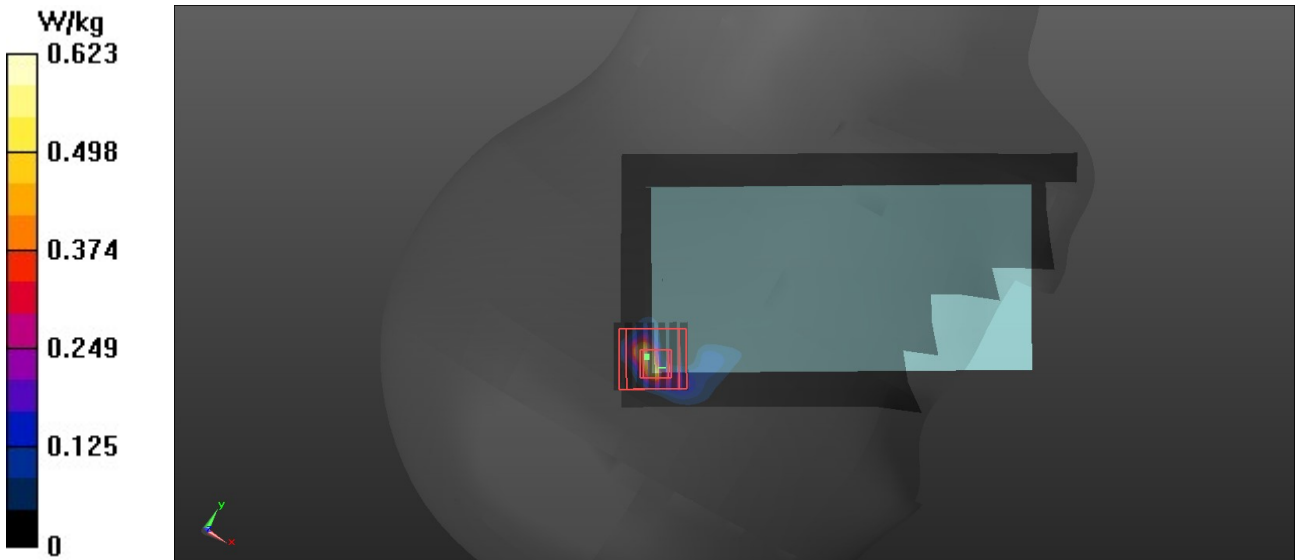Communication System: 802.11a; Frequency: 5500 MHz;Duty Cycle: 1:1.03
Medium: H5G_0121 Medium parameters used: f = 5500 MHz; σ = 4.744 S/m; ε_r = 34.614; ρ =

1000 kg/m^3

DASY4 Configuration:
- Probe: EX3DV4 - SN7506; ConvF(5.17, 5.17, 5.17) ; Calibrated: 6/22/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 6/5/2018
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

- Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.623 W/kg

- Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.495 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.052 W/kg
Maximum value of SAR (measured) = 0.719 W/kg

P13 802.11a_Right Tilted_Ch153

Communication System: 802.11a; Frequency: 5765 MHz;Duty Cycle: 1:1.03
Medium: H5G_0121 Medium parameters used: f = 5765 MHz; σ = 5.377 S/m; ε_r = 35.813; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: EX3DV4 - SN7506; ConvF(5.1, 5.1, 5.1) ; Calibrated: 6/22/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 6/5/2018
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

- **Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.81 W/kg

- **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.824 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 4.86 W/kg
SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.215 W/kg
Maximum value of SAR (measured) = 2.65 W/kg
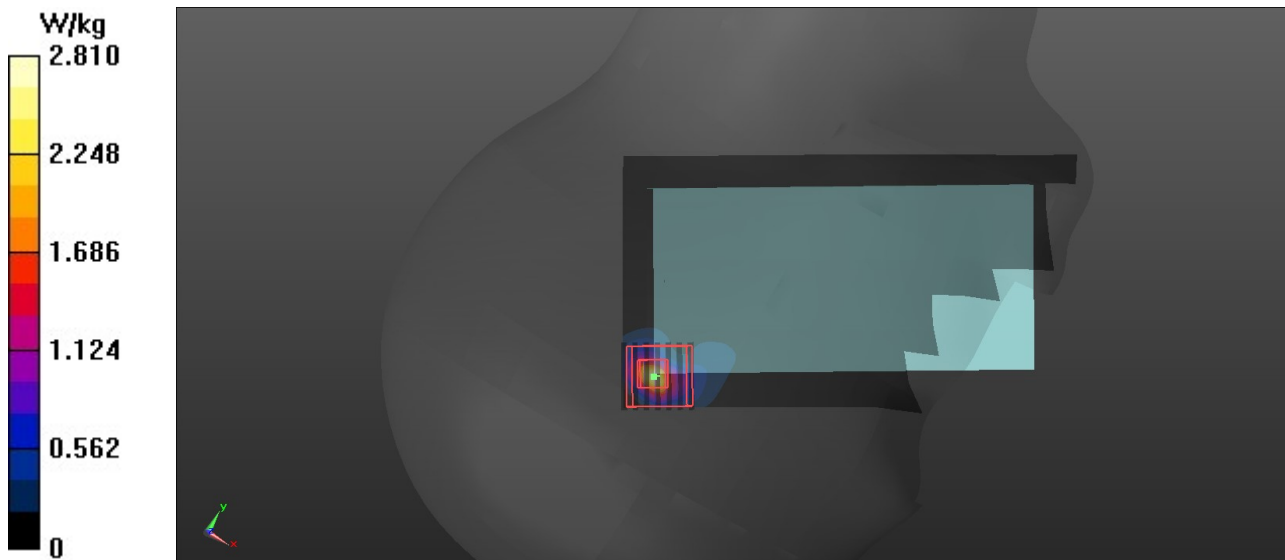
P14_GSM850_GPRS10_Rear Face_10mm_251

DUT: EUT

Communication System: GPRS 850-2solt; Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: MSL850 Medium parameters used: f = 849 MHz; σ = 1.01 mho/m; $ε_r$ = 57; ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.41, 6.41, 6.41); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
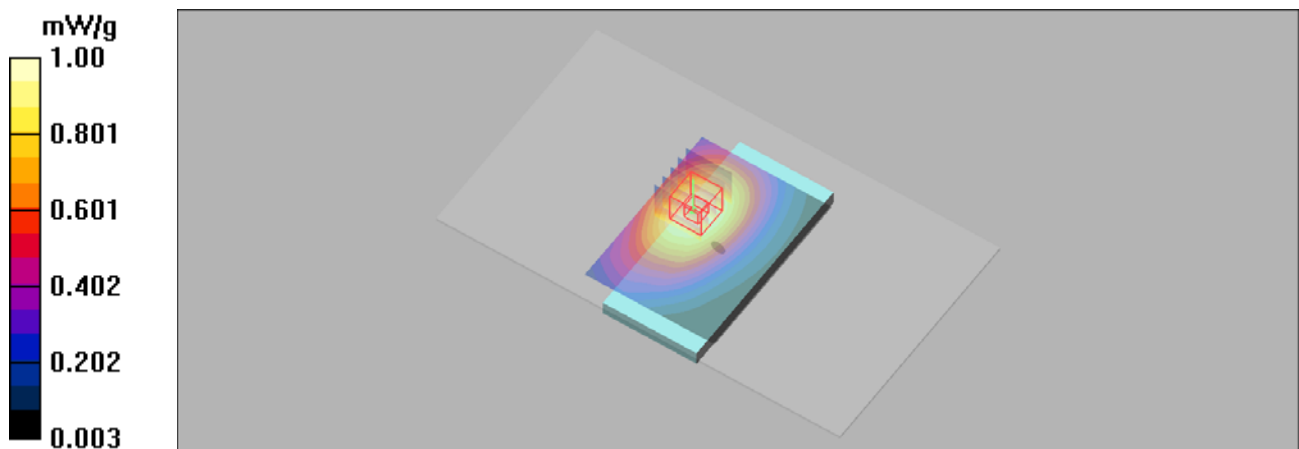Maximum value of SAR (interpolated) = 1.00 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.695 mW/g
Maximum value of SAR (measured) = 1.00 mW/g

P15_GSM1900_GPRS10_Bottom Side_10mm_512

DUT: EUT

Communication System: GPRS1900-2slots; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.49 mho/m; ε_r =

52.8; ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.48, 4.48, 4.48); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.446 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.469 mW/g
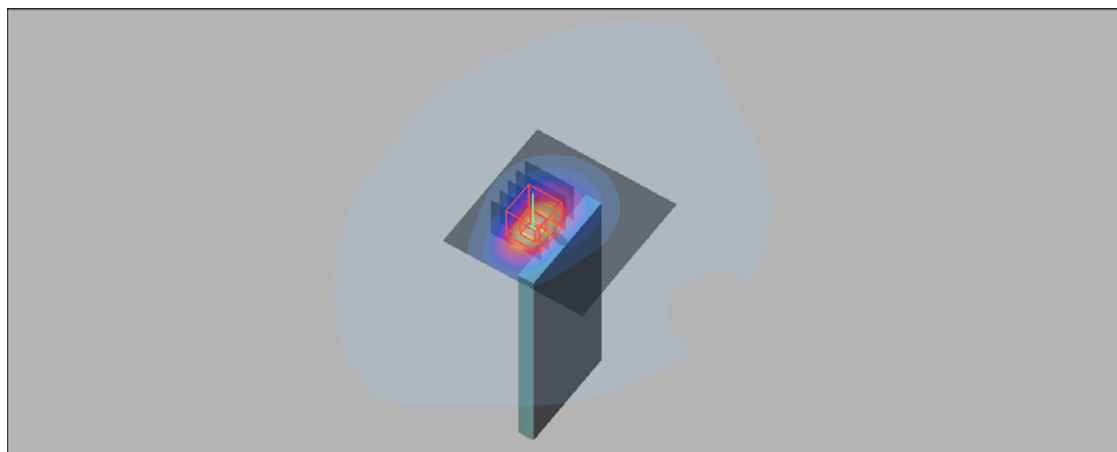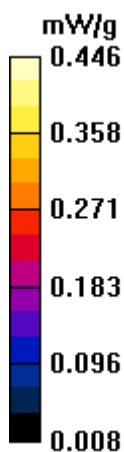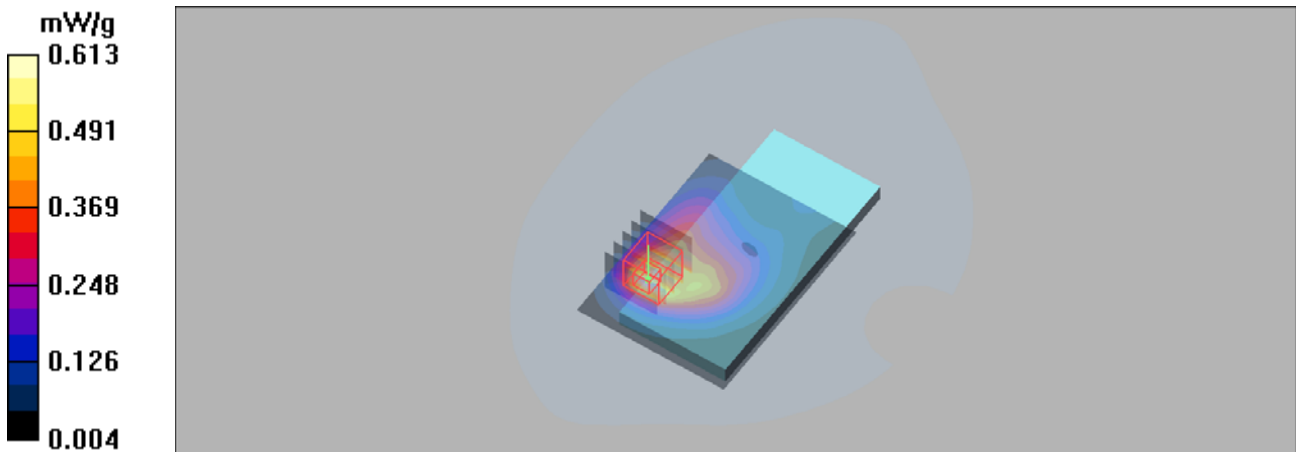
P16_WCDMA II_RMC12.2K_Rear Face_10mm_9400

DUT: EUT

Communication System: WCDMA Band II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.7; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.48, 4.48, 4.48); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.613 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.36 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.769 W/kg
SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.276 mW/g
Maximum value of SAR (measured) = 0.564 mW/g
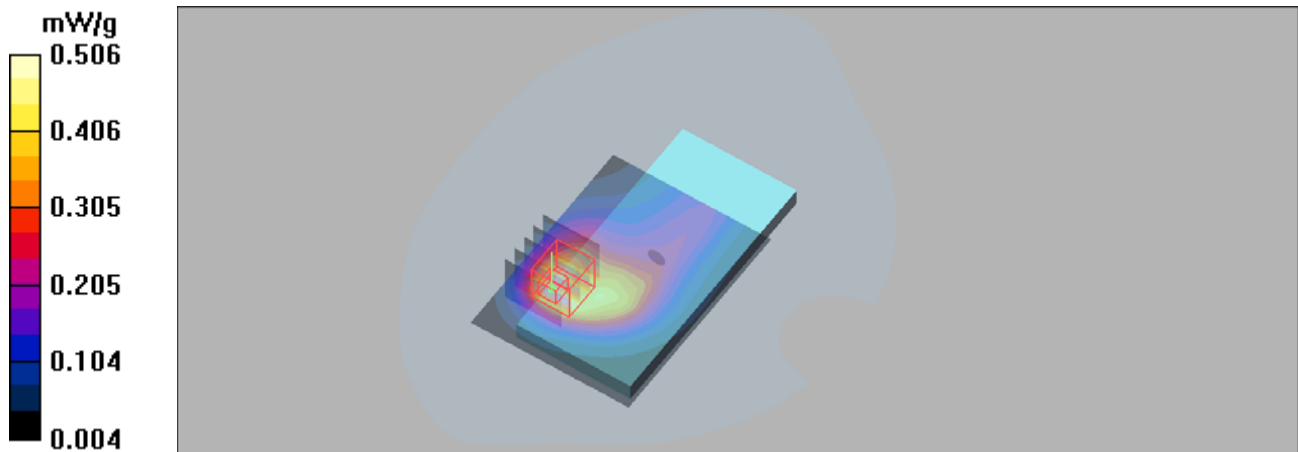
P17_WCDMA IV_RMC12.2K_Rear Face_10mm_1413

DUT: EUT

Communication System: WCDMA Band IV; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used: f = 1733 MHz; σ = 1.44 mho/m; ε_r = 55; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.95, 4.95, 4.95); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.506 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.621 W/kg
SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.455 mW/g

P18_WCDMA V_RMC12.2K_Rear Face_10mm_4182

DUT: EUT

Communication System: WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium: MSL850 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.995 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.41, 6.41, 6.41); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.687 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.7 V/m; Power Drift = -0.169 dB
Peak SAR (extrapolated) = 0.774 W/kg
SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.455 mW/g
Maximum value of SAR (measured) = 0.664 mW/g
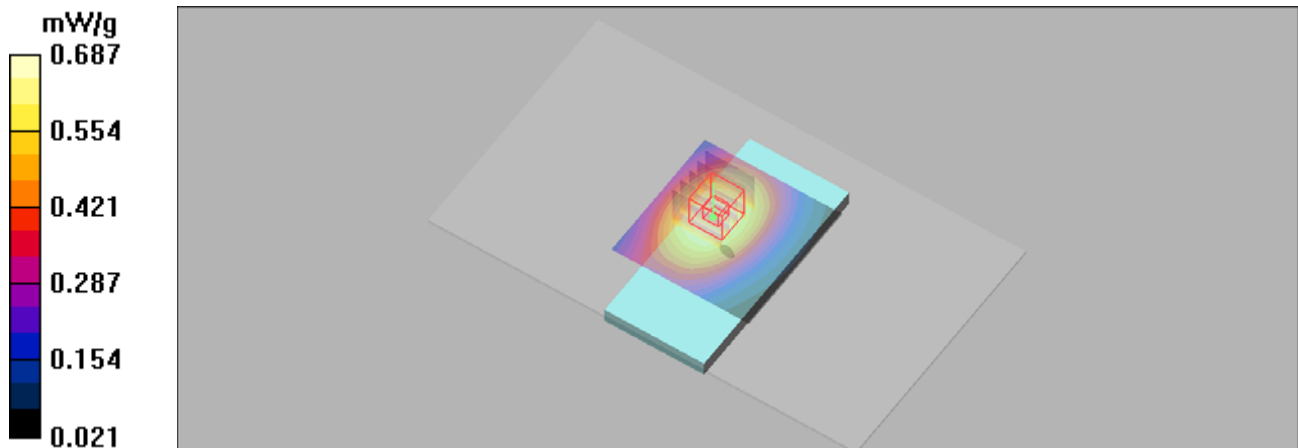
P19_LTE 2_QPSK20M_Bottom Side_10mm_18900_1RB_50 offset

DUT: EUT

Communication System: LTE Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.7; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.48, 4.48, 4.48); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
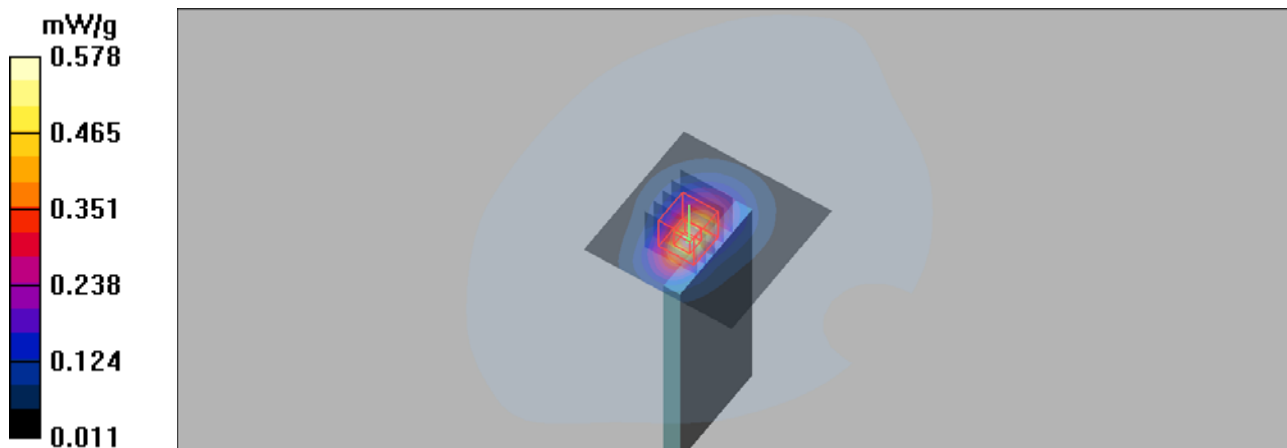Maximum value of SAR (interpolated) = 0.578 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.835 W/kg
SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 0.625 mW/g

## P20_LTE 4_QPSK20M_Bottom Side_10mm_20175_1RB_50 offset

DUT: EUT

Communication System: LTE Band 4&20M; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.44 mho/m; ε_r =
55; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.95, 4.95, 4.95); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.636 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.7 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.649 mW/g; SAR(10 g) = 0.330 mW/g
Maximum value of SAR (measured) = 0.679 mW/g
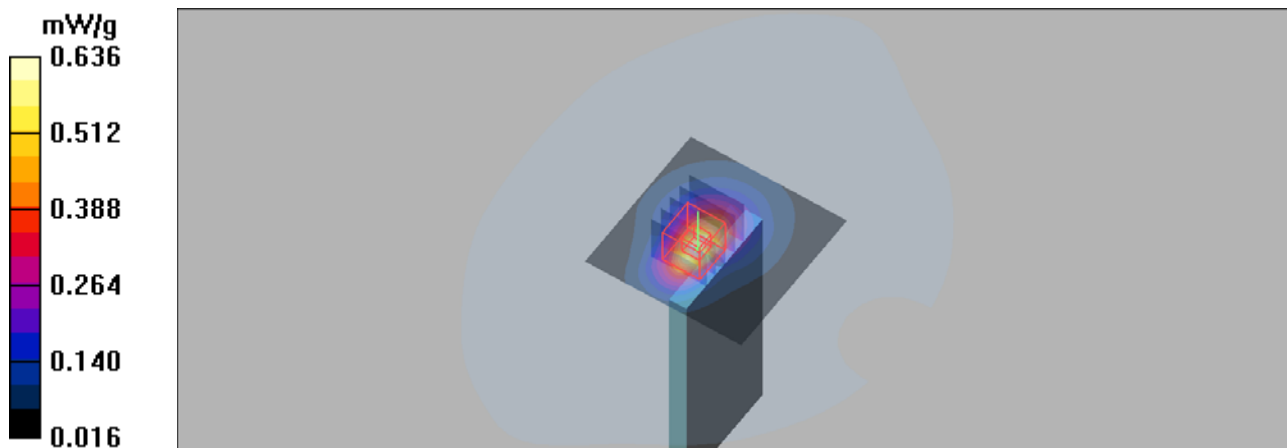
P21_LTE 5_QPSK10M_Rear Face_10mm_20450_1RB_24 offset

DUT: EUT

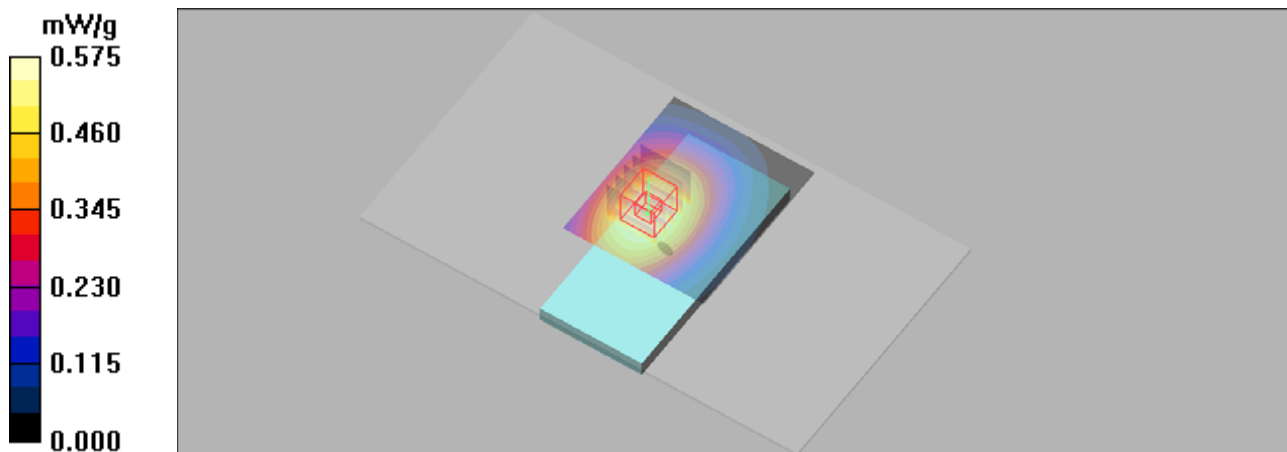Communication System: LTE Band5; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL850 Medium parameters used: f = 829 MHz; σ = 0.987 mho/m; ε_r = 57.2; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.41, 6.41, 6.41); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.575 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.5 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.666 W/kg
SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.392 mW/g
Maximum value of SAR (measured) = 0.570 mW/g

P22_LTE 12_QPSK10M_Rear Face_10mm_23130_1RB_24 offset

DUT: EUT

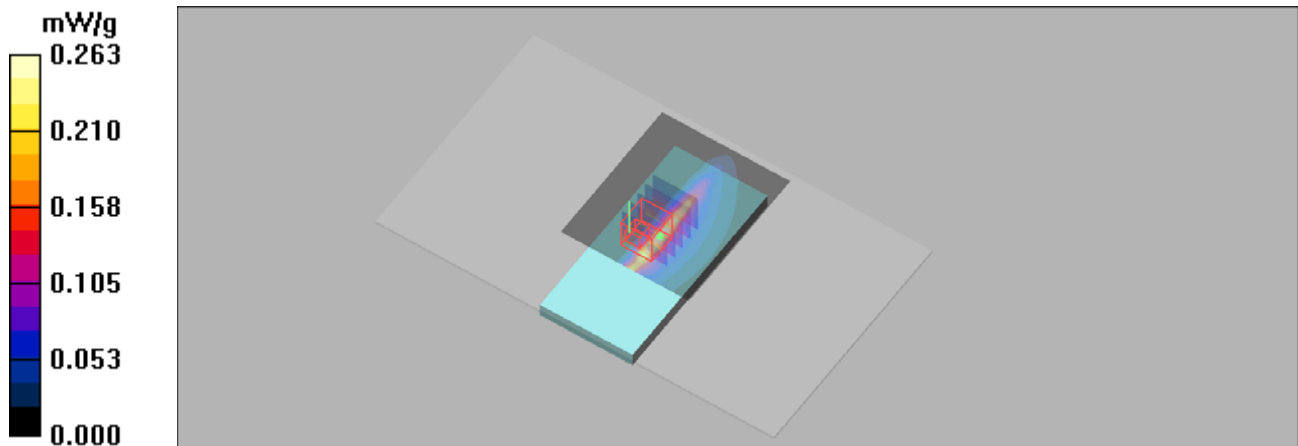Communication System: LTE Band 12; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL750 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 55.6; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.41, 6.41, 6.41); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.263 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.244 W/kg
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.210 mW/g

P23_802.11b_Rear Face_11_10MM

DUT: EUT

Communication System: Wlan 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 52.9; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.43, 4.43, 4.43); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.230 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.90 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.331 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.202 mW/g
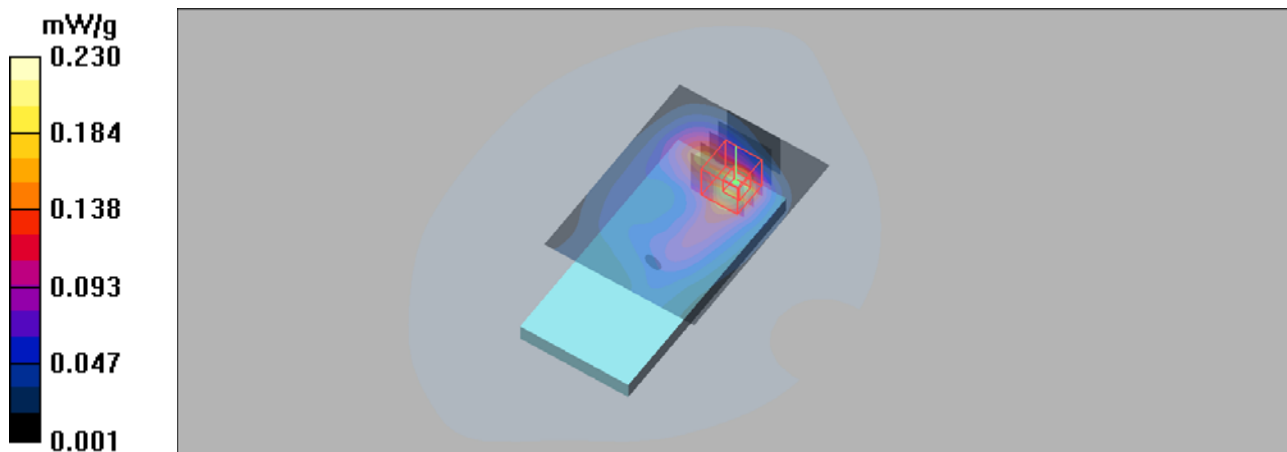
P24_GSM1900_GPRS10_Rear Face_10mm_512

DUT: EUT

Communication System: GPRS1900-2slots; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.49 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.48, 4.48, 4.48); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.467 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.17 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.624 W/kg
SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.223 mW/g
Maximum value of SAR (measured) = 0.453 mW/g
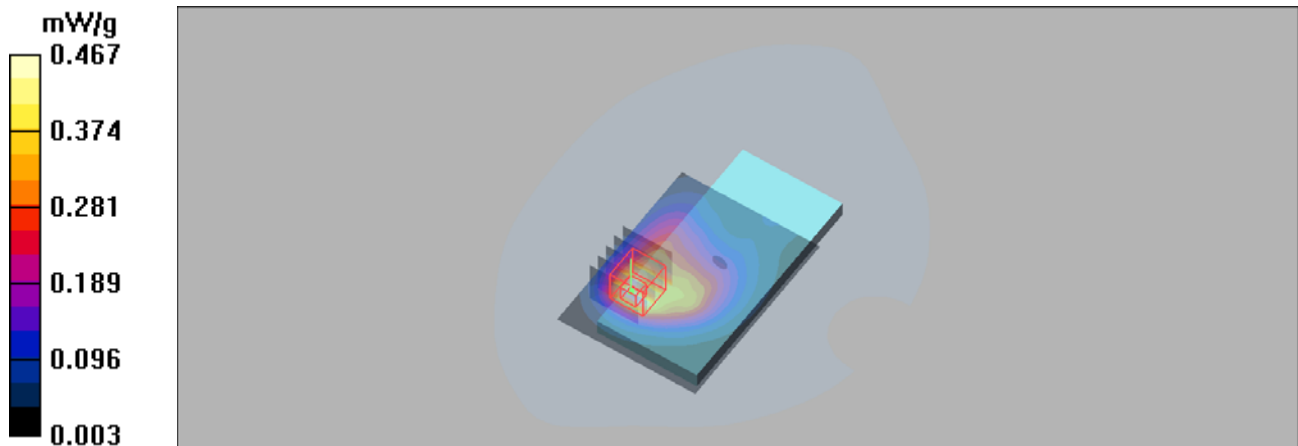
P25_LTE 2_QPSK20M_Rear Face_10mm_18900-_1RB_50 offset

DUT: EUT

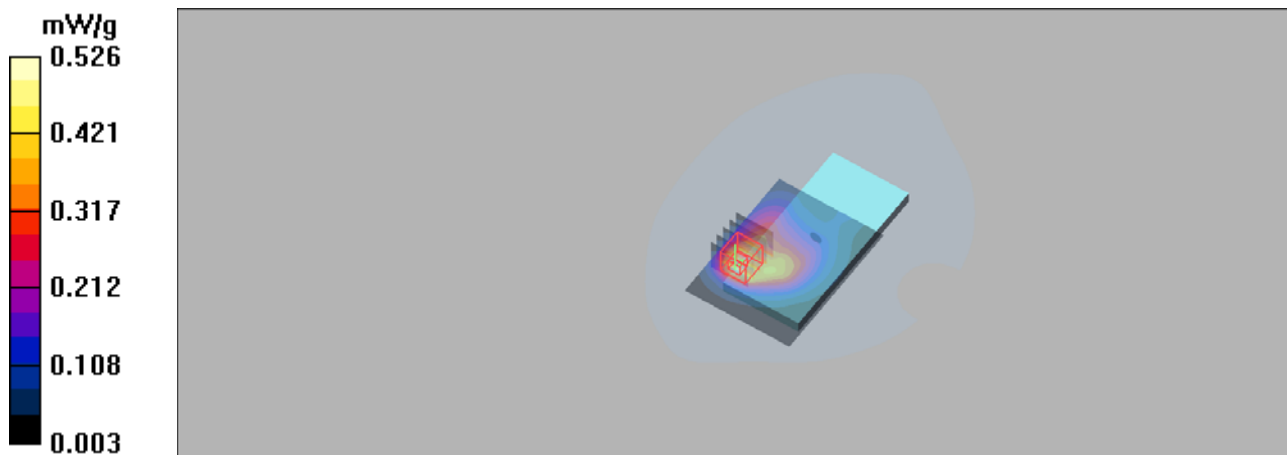Communication System: LTE Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.7; ρ = 1000

kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.48, 4.48, 4.48); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.526 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.08 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.713 W/kg
SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.256 mW/g
Maximum value of SAR (measured) = 0.502 mW/g

## P26_LTE 4_QPSK20M_Rear Face_10mm_20175_1RB_50 offset

DUT: EUT

Communication System: LTE Band 4&20M; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.44 mho/m; ε_r =

55; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: ES3DV3 - SN3090; ConvF(4.95, 4.95, 4.95); Calibrated: 2018/4/3
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018/5/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.656 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.785 W/kg
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.310 mW/g
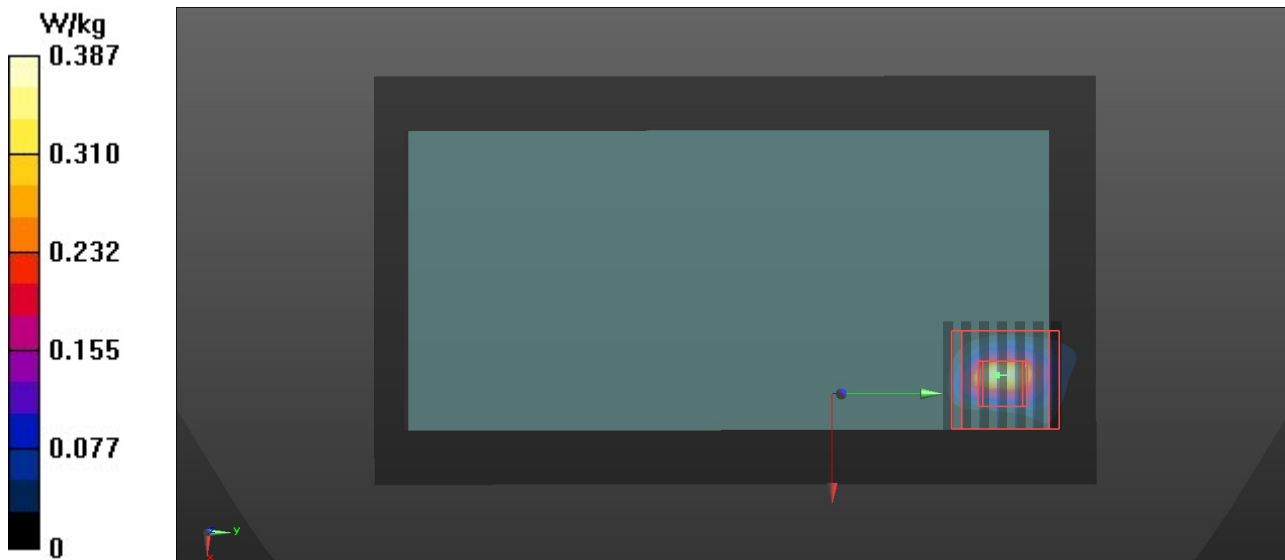Maximum value of SAR (measured) = 0.578 mW/g
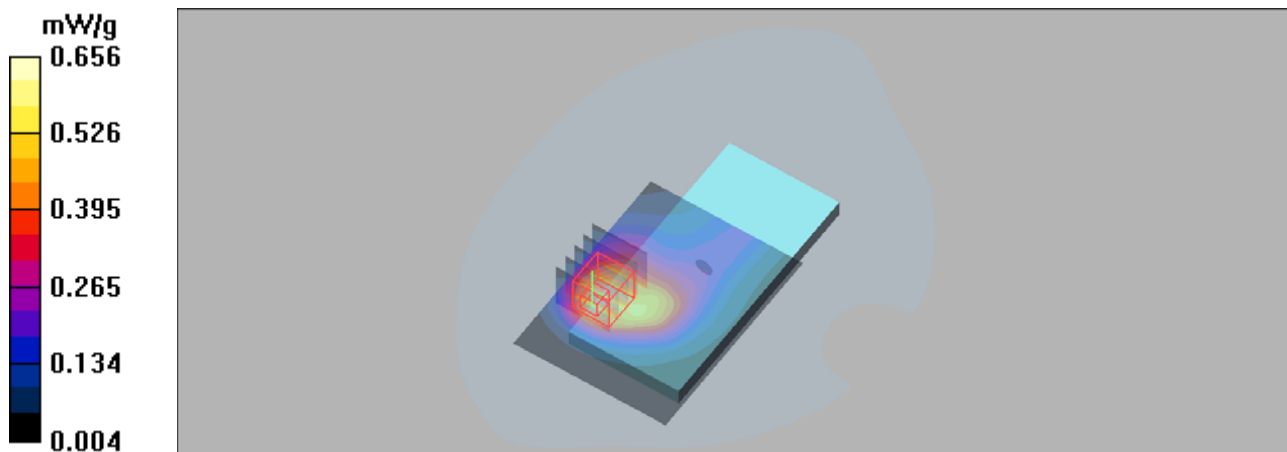
P27 802.11a_Rear Face_1cm_Ch48

Communication System: 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1.03
Medium: B5G_0120 Medium parameters used: f = 5240 MHz; σ = 5.535 S/m; ε_r = 48.274; ρ =

1000 kg/m^3

DASY Configuration:
- Probe: EX3DV4 - SN7506; ConvF(5.09, 5.09, 5.09) ; Calibrated: 6/22/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 6/5/2018
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

- Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.387 W/kg

- Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.524 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.016 W/kg
Maximum value of SAR (measured) = 0.176 W/kg

P28 802.11a_Front Face_1cm_Ch100

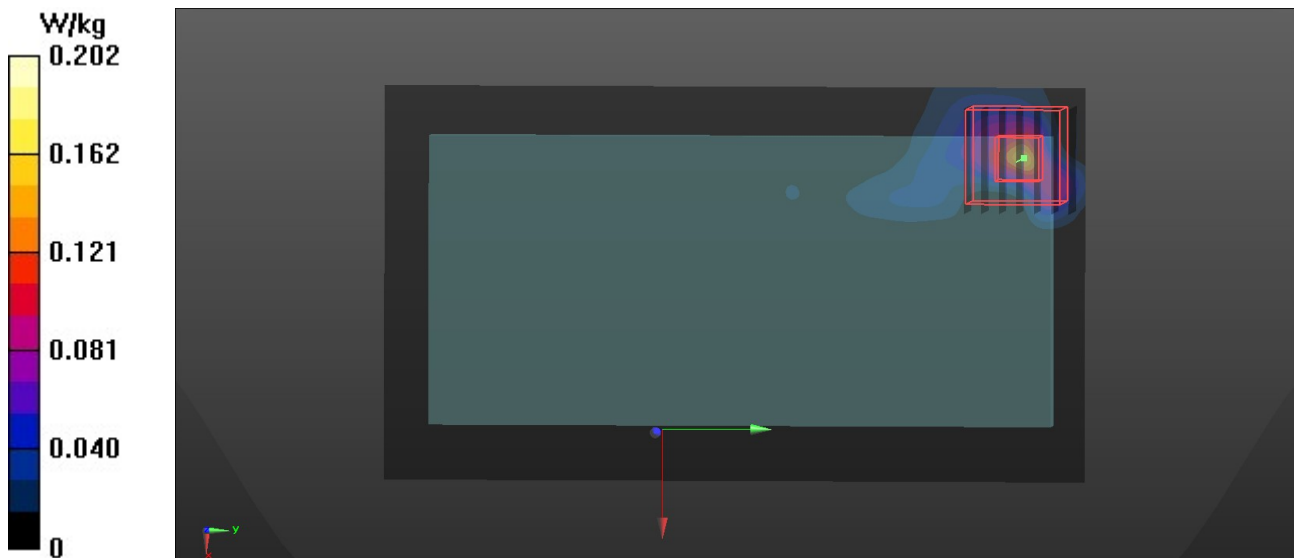Communication System: 802.11a; Frequency: 5500 MHz;Duty Cycle: 1:1.03
Medium: B5G_0120 Medium parameters used: f = 5500 MHz; σ = 5.875 S/m; ε_r = 47.83; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: EX3DV4 - SN7506; ConvF(4.32, 4.32, 4.32) ; Calibrated: 6/22/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 6/5/2018
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

- Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.202 W/kg

- Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.1021 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.343 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.00955 W/kg
Maximum value of SAR (measured) = 0.131 W/kg

P29 802.11a_Front Face_1cm_Ch153

Communication System: 802.11a; Frequency: 5765 MHz;Duty Cycle: 1:1.03
Medium: B5G_0120 Medium parameters used: f = 5765 MHz; σ = 6.238 S/m; ε_r = 47.405; ρ = 1000 kg/m^3

DASY Configuration:
- Probe: EX3DV4 - SN7506; ConvF(4.31, 4.31, 4.31) ; Calibrated: 6/22/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 6/5/2018
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

- Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.550 W/kg

- Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.3740 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.629 W/kg
SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.411 W/kg