P01_GSM850_GPRS10_Right Cheek_190

DUT: EUT

Communication System: GPRS 850-2slots; Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium: H850 Medium parameters used: f = 837 MHz; σ = 0.918 mho/m; ε_r = 42.7; ρ = 1000 kg/m^3

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 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
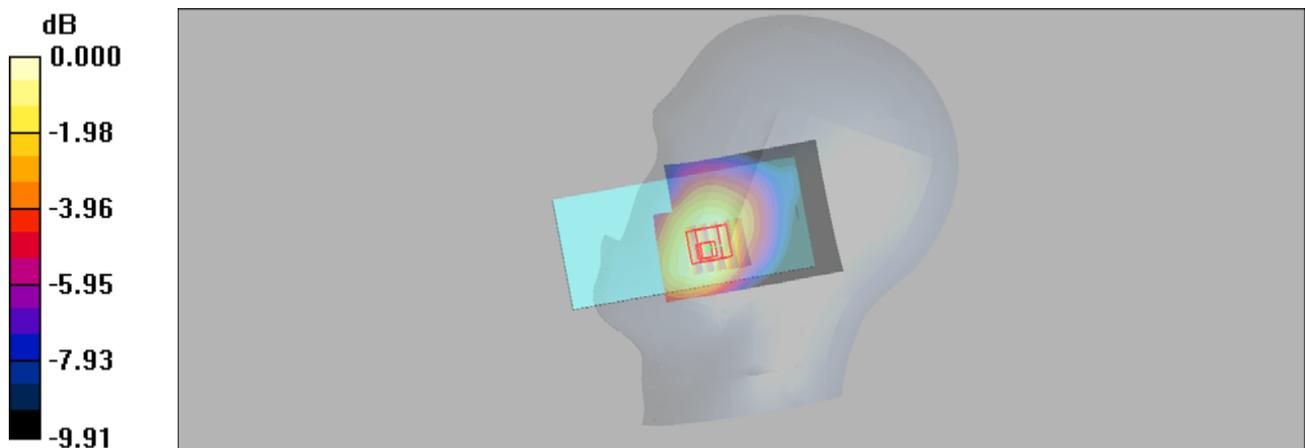Maximum value of SAR (interpolated) = 0.496 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.71 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.494 mW/g

0 dB = 0.494mW/g

P02_GSM1900_GPRS10_Left Cheek_512

DUT: EUT

Communication System: GPRS1900-2slots; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: H1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.35 mho/m; ε_r = 41.6;

ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- 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) = 0.242 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.38 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.238 mW/g
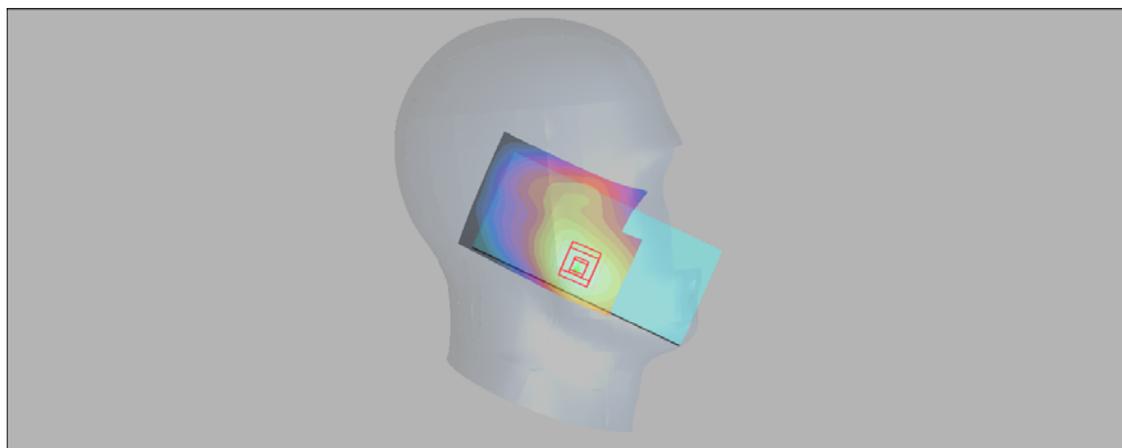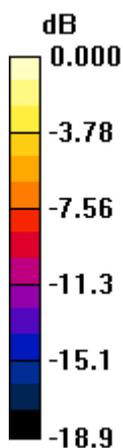
0 dB = 0.238mW/g
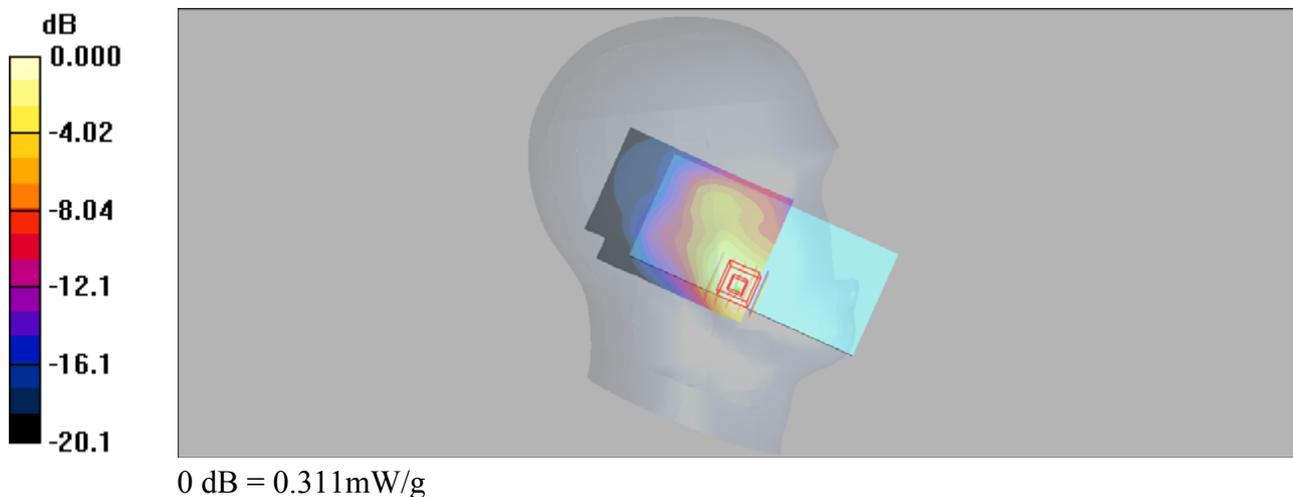
P03_WCDMA II_RMC12.2K_Left Cheek_9538

DUT: EUT

Communication System: WCDMA Band II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: H1900 Medium parameters used: f = 1908 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- 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) = 0.338 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.10 V/m; Power Drift = -0.02dB
Peak SAR (extrapolated) = 0.427 W/kg
SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.311 mW/g

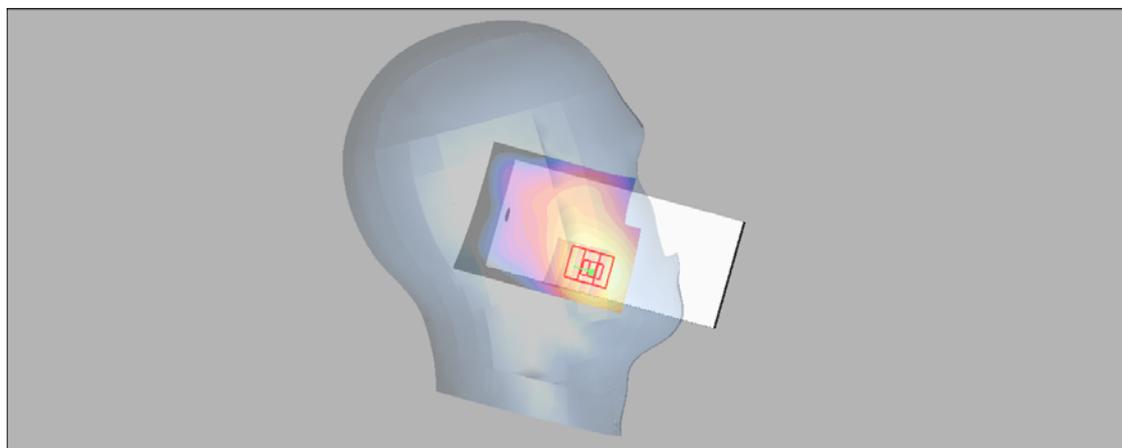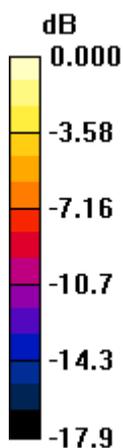0 dB = 0.311mW/g

P04_WCDMA IV_RMC12.2K_Left Cheek_1513

DUT: EUT

Communication System: WCDMA Band IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750 Medium parameters used: f = 1753 MHz; σ = 1.35 mho/m; $ε_r$ = 41.8; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.36, 5.36, 5.36); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- 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) = 0.260 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.52 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.258 mW/g

0 dB = 0.258mW/g

P05_WCDMA V_RMC12.2K_Left Cheek_4132

DUT: EUT
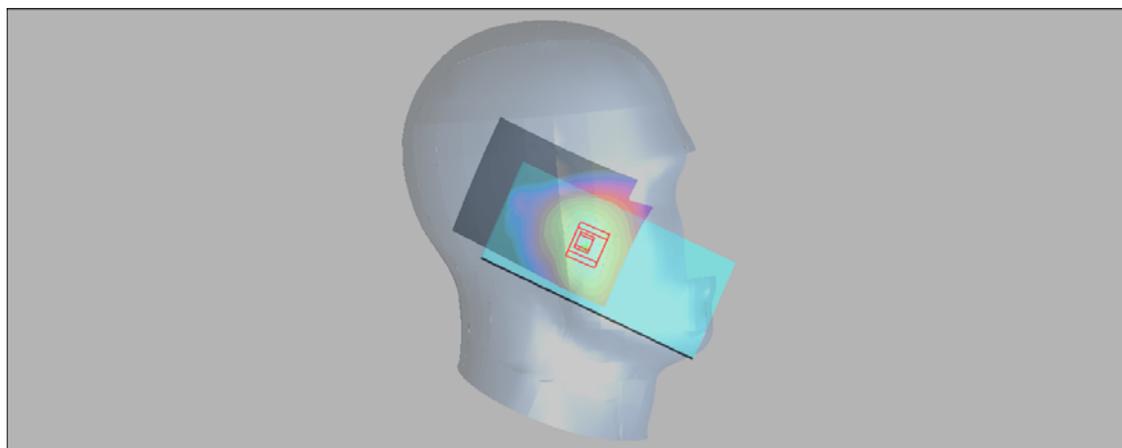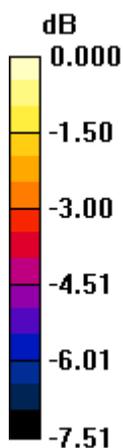
Communication System: WCDMA Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.907 mho/m; ε_r = 42.9;

ρ = 1000 kg/m^3

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 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) = 0.092 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.15 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.088 mW/g

0 dB = 0.088mW/g
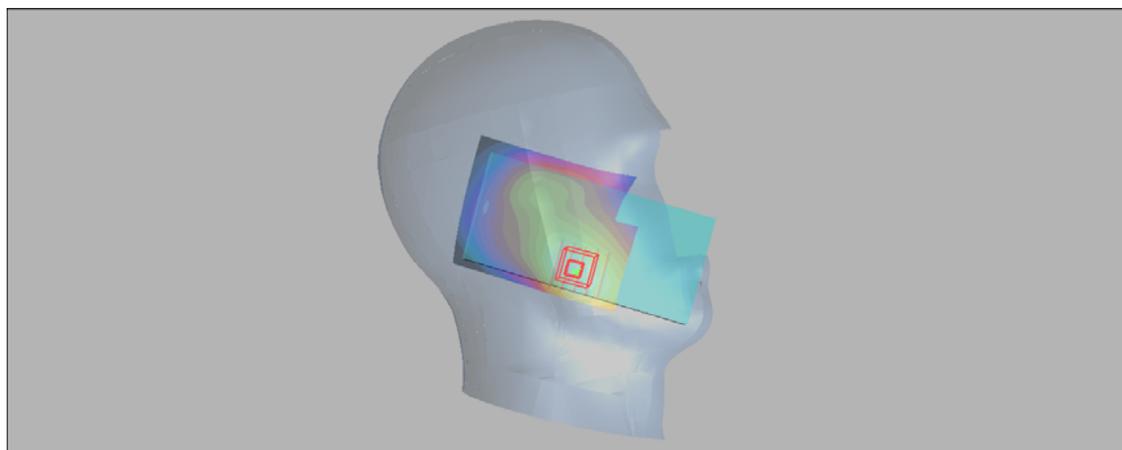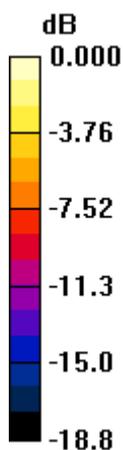
P06_LTE 2_QPSK20M_Left Cheek_18900_1RB_50 Offset

DUT: EUT

Communication System: LTE Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 41.4; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- 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) = 0.339 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.60 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.437 W/kg
SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.328 mW/g

0 dB = 0.328mW/g

## P07_LTE 4_QPSK20M_Left Cheek_20300_1 RB_50 Offset

DUT: EUT

Communication System: LTE Band 4&20M; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: H1750 Medium parameters used: f = 1745 MHz; σ = 1.36 mho/m; ε_r = 40.3; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.36, 5.36, 5.36); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- 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) = 0.327 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.46 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.308 mW/g
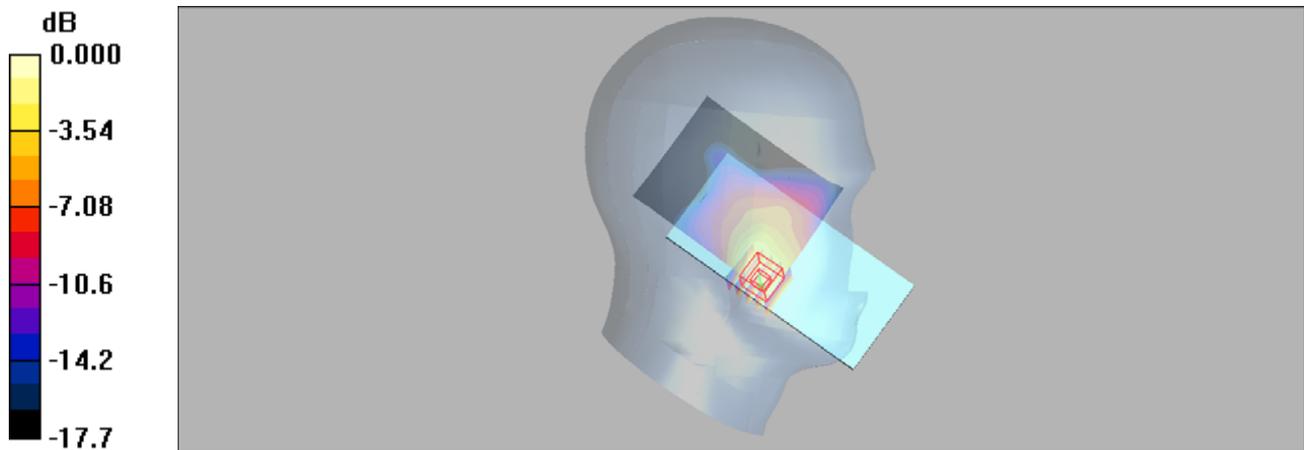
0 dB = 0.308mW/g

P08_LTE 5_QPSK10M_Right Cheek_20450_1RB_24 Offset

DUT: EUT

Communication System: LTE Band5; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: H850 Medium parameters used: f = 829 MHz; σ = 0.91 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3

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 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

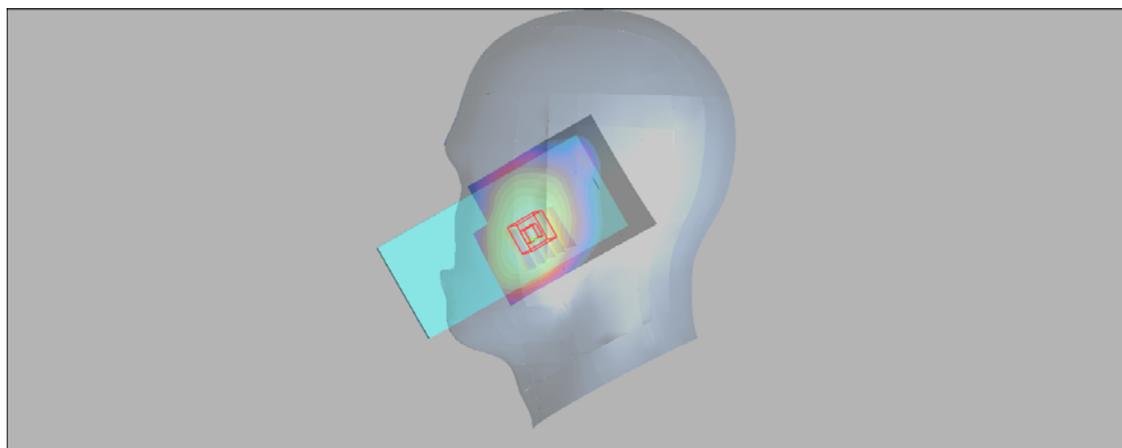**Test/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.297 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.59 V/m; Power Drift = -0.165 dB
Peak SAR (extrapolated) = 0.334 W/kg
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.199 mW/g
Maximum value of SAR (measured) = 0.287 mW/g
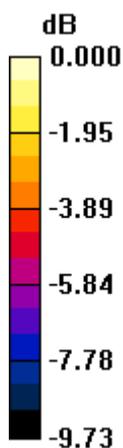
0 dB = 0.287mW/g

P09_LTE 7_QPSK20M_Left Cheek_21100_1 RB_50 Offset

DUT: EUT

Communication System: LTE Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: H2600 Medium parameters used: f = 2535 MHz; σ = 1.98 mho/m; ε_r = 37.9; ρ = 1000

kg/m^3

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 (61x81x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.308 mW/g

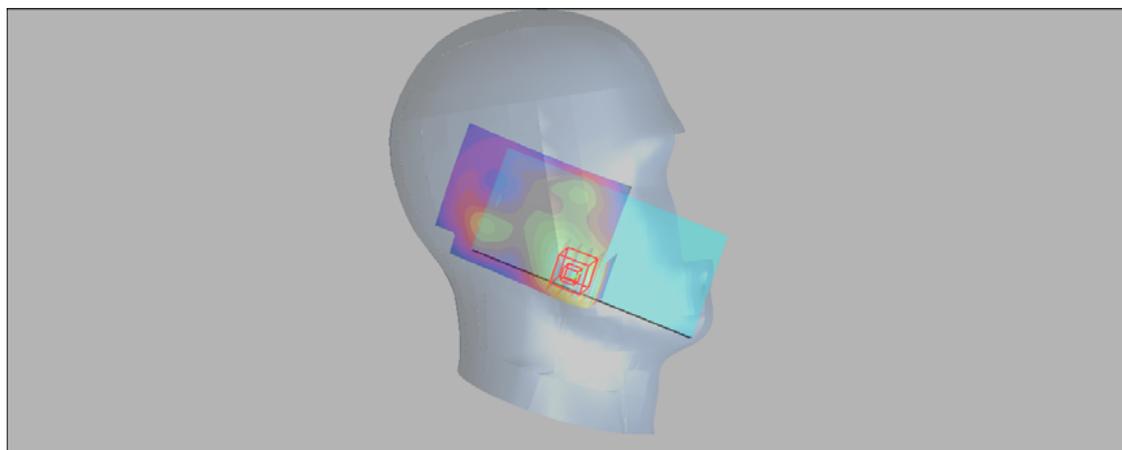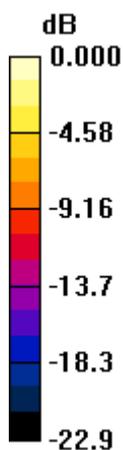**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.29 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.418 W/kg
SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.286 mW/g

0 dB = 0.286mW/g

P10_LTE 12_QPSK10M_Right Cheek_23130_1 RB_24 Offset

DUT: EUT

Communication System: LTE Band 12; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750 Medium parameters used: f = 711 MHz; σ = 0.863 mho/m; ε_r = 40.8; ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.22, 6.22, 6.22); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- 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) = 0.250 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.03 V/m; Power Drift = 0.116 dB
Peak SAR (extrapolated) = 0.284 W/kg
SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.249 mW/g
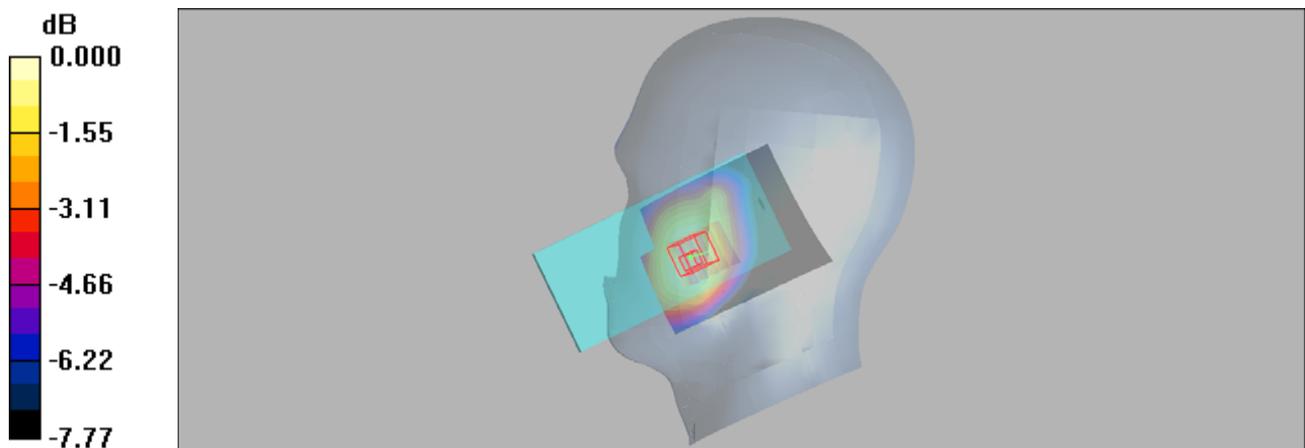
0 dB = 0.249mW/g

P11_LTE 13_QPSK10M_Right Cheek_23230_1 RB_0 Offset

DUT: EUT

Communication System: LTE Band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750 Medium parameters used: f = 782 MHz; σ = 0.916 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.22, 6.22, 6.22); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- 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) = 0.267 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.58 V/m; Power Drift = 0.066 dB
Peak SAR (extrapolated) = 0.308 W/kg
SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.188 mW/g
Maximum value of SAR (measured) = 0.269 mW/g
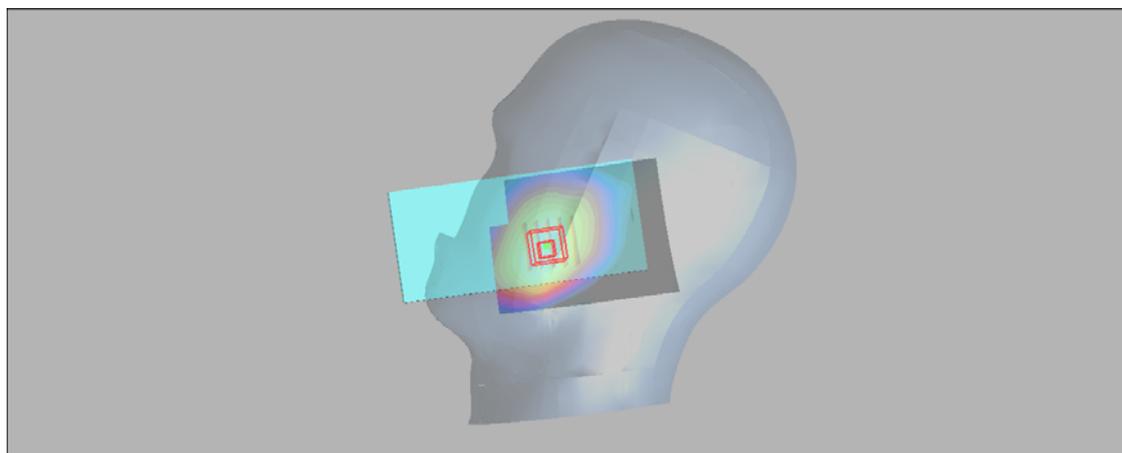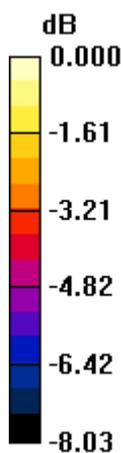
0 dB = 0.269mW/g

P12_802.11b_Left 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 = 1.8 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3

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 (61x71x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.27 mW/g

**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 2.33 W/kg
SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.454 mW/g
Maximum value of SAR (measured) = 1.25 mW/g
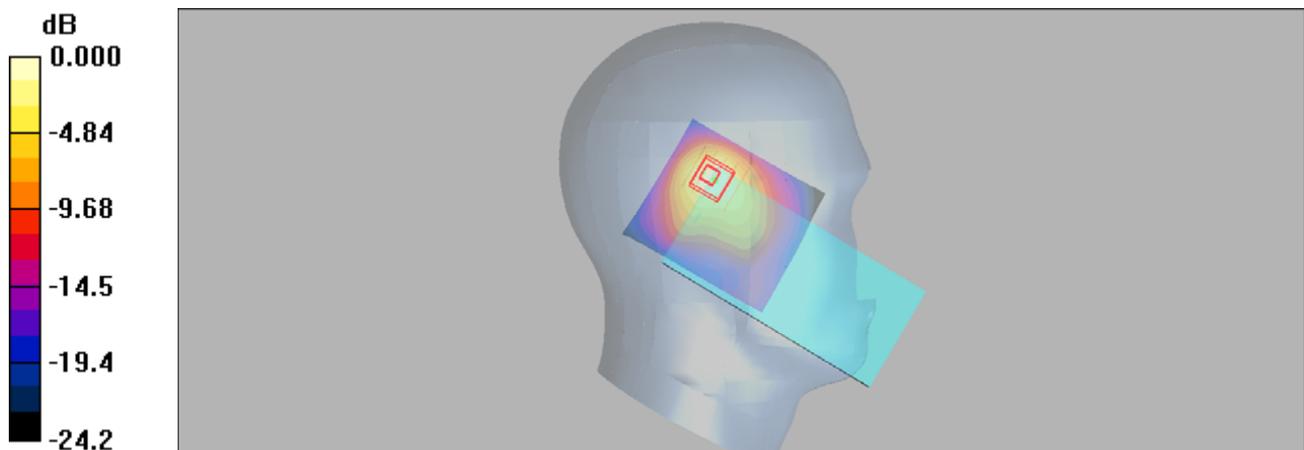
0 dB = 1.25mW/g

P13_GSM850_GPRS10_Rear Face_10MM_190

DUT: EUT

Communication System: GPRS 850-2slots; Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium: H850 Medium parameters used: f = 837 MHz; σ = 0.892 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3

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: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.591 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.0 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.828 W/kg
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.294 mW/g
Maximum value of SAR (measured) = 0.582 mW/g
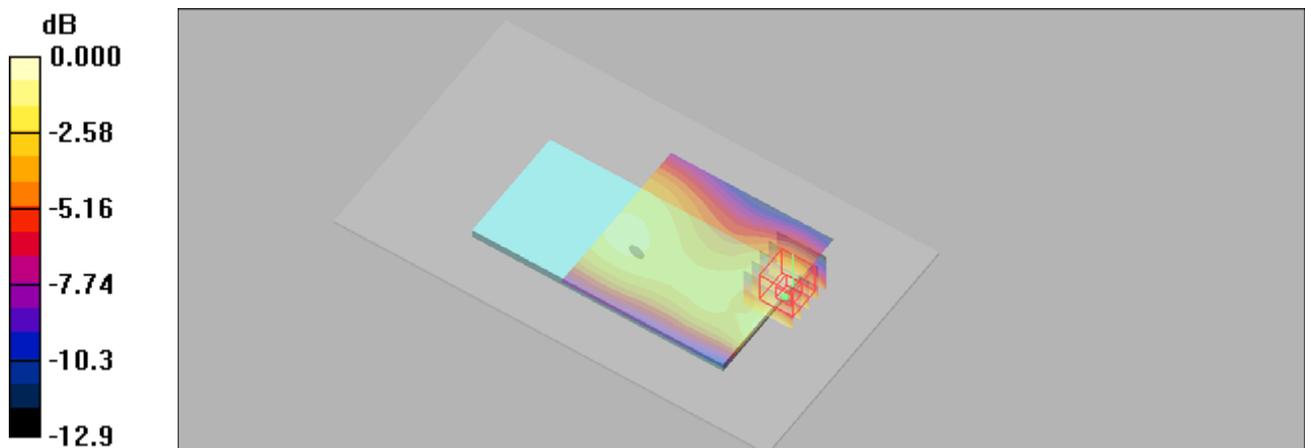
0 dB = 0.582mW/g

P14_GSM1900_GPRS10_Bottom Side_10MM_512

DUT: EUT

Communication System: GPRS1900-2slots; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: H1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.35 mho/m; ε_r = 41.6;

ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
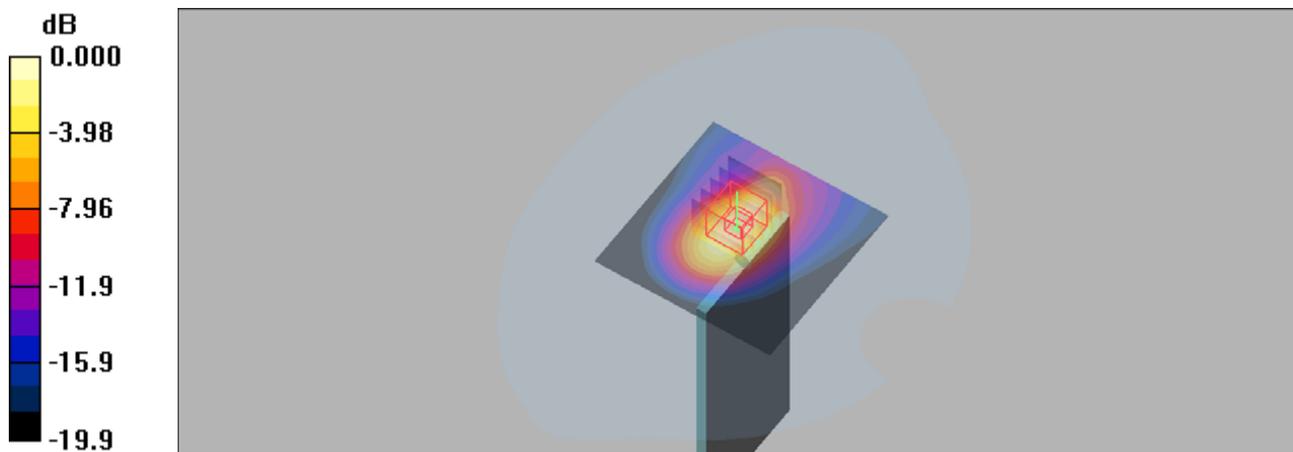Maximum value of SAR (interpolated) = 0.697 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.0 V/m; Power Drift = 0.111 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.271 mW/g
Maximum value of SAR (measured) = 0.677 mW/g

0 dB = 0.677mW/g
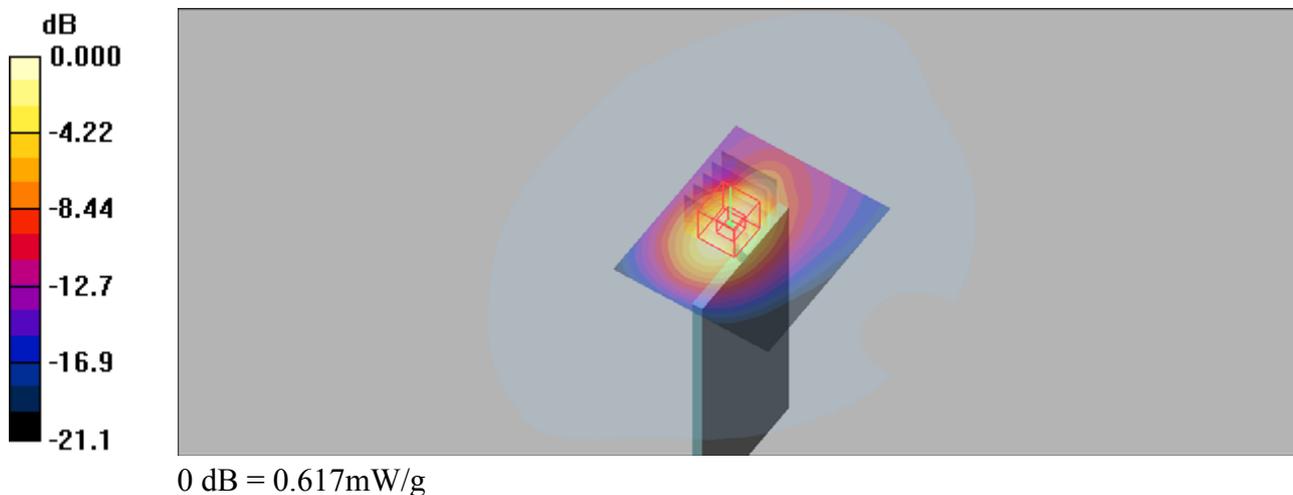
P15_WCDMA II_RMC12.2K_Bottom Side_10MM_9538

DUT: EUT

Communication System: WCDMA Band II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: H1900 Medium parameters used: f = 1908 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.653 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.4 V/m; Power Drift = 0.168 dB
Peak SAR (extrapolated) = 0.923 W/kg
SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.254 mW/g
Maximum value of SAR (measured) = 0.617 mW/g

0 dB = 0.617mW/g

## P16_WCDMA IV_RMC12.2K_Bottom Side_10MM_1513

DUT: EUT

Communication System: WCDMA Band IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750 Medium parameters used: f = 1753 MHz; σ = 1.37 mho/m; ε_r = 40.3; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.36, 5.36, 5.36); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.01 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.4 V/m; Power Drift = -0.03dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.382 mW/g
Maximum value of SAR (measured) = 0.946 mW/g

0 dB = 0.946mW/g
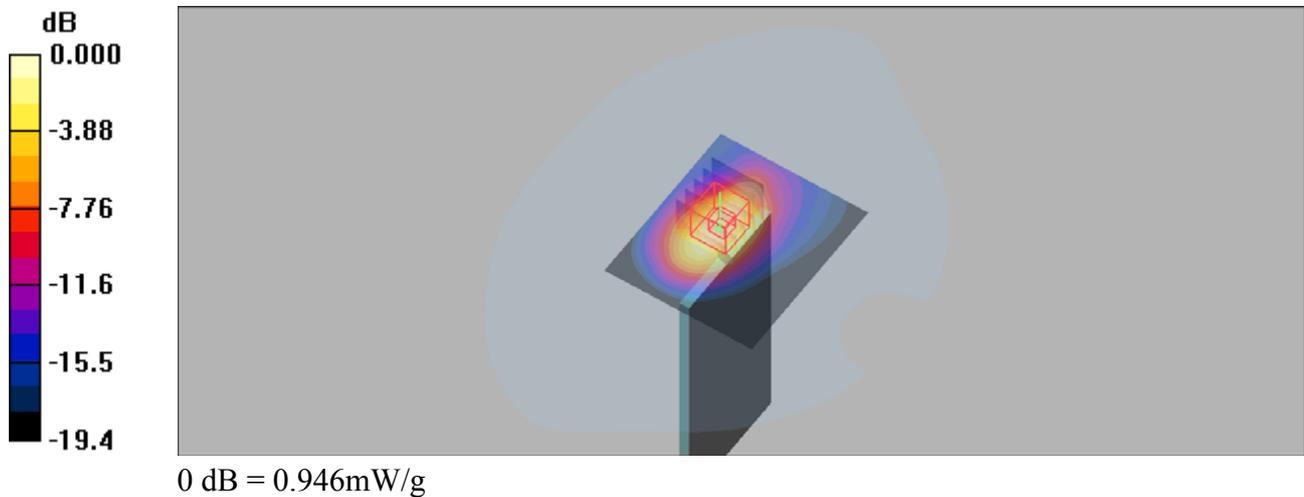
P17_WCDMA V_RMC12.2K_Rear Face_10MM_4132

DUT: EUT

Communication System: WCDMA Band V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H850 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.882 mho/m; ε_r = 42.5;

ρ = 1000 kg/m^3

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: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.318 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.1 V/m; Power Drift = -0.160 dB
Peak SAR (extrapolated) = 0.429 W/kg
SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.305 mW/g

0 dB = 0.305mW/g
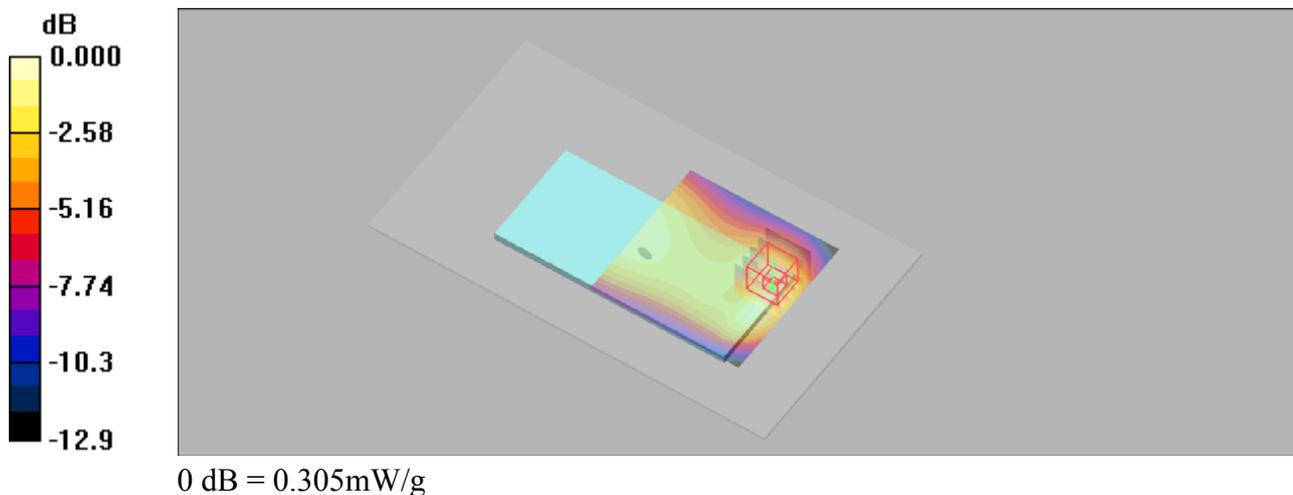
P18_LTE 2_QPSK20M_Bottom Side_10MM_18700_1RB_50 Offset

DUT: EUT

Communication System: LTE Band 2; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: H1900 Medium parameters used: f = 1860 MHz; σ = 1.36 mho/m; ε_r = 41.5; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): 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 = 24.6 V/m; Power Drift = 0.185 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.437 mW/g
Maximum value of SAR (measured) = 1.10 mW/g

0 dB = 1.10mW/g

P19_LTE 4_QPSK20M_Bottom Side_10MM_20300_1 RB_50 Offset
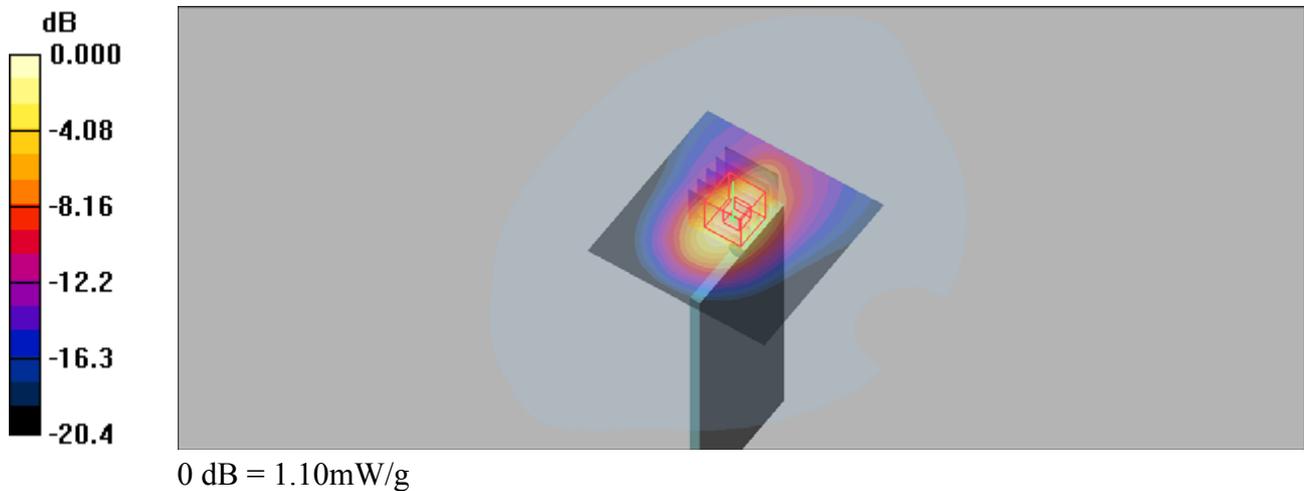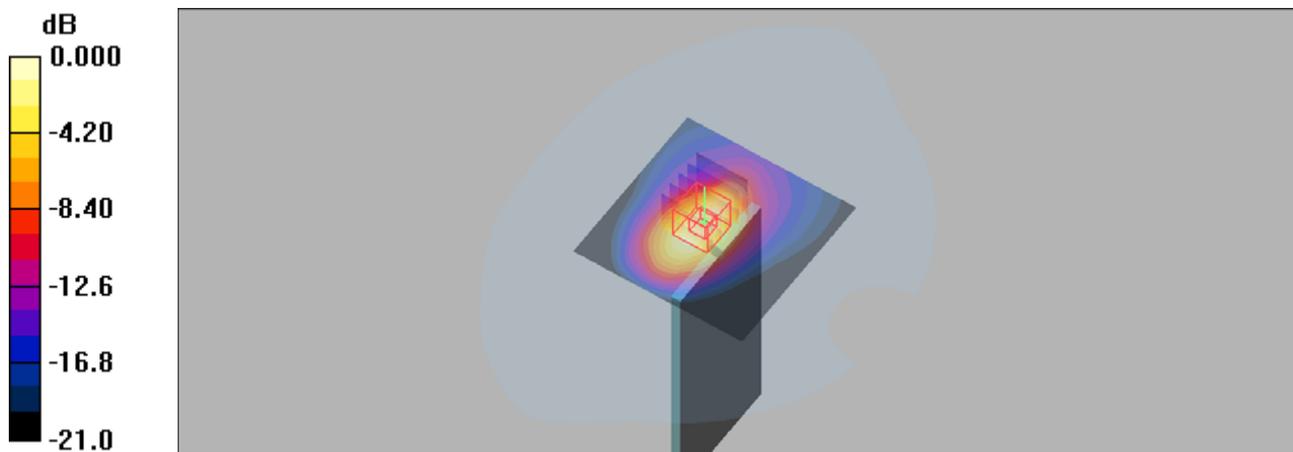
DUT: EUT

Communication System: LTE Band 4&20M; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: H1750 Medium parameters used: f = 1745 MHz; σ = 1.36 mho/m; ε_r = 40.3; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.36, 5.36, 5.36); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.3 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.409 mW/g
Maximum value of SAR (measured) = 1.02 mW/g

0 dB = 1.02mW/g

P20_LTE 5_QPSK10M_Bottom Side_10MM_20600_25 RB_0 Offset

DUT: EUT

Communication System: LTE Band5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H850 Medium parameters used: f = 844 MHz; σ = 0.899 mho/m; ε_r = 42.2; ρ = 1000 kg/m^3

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: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.398 mW/g

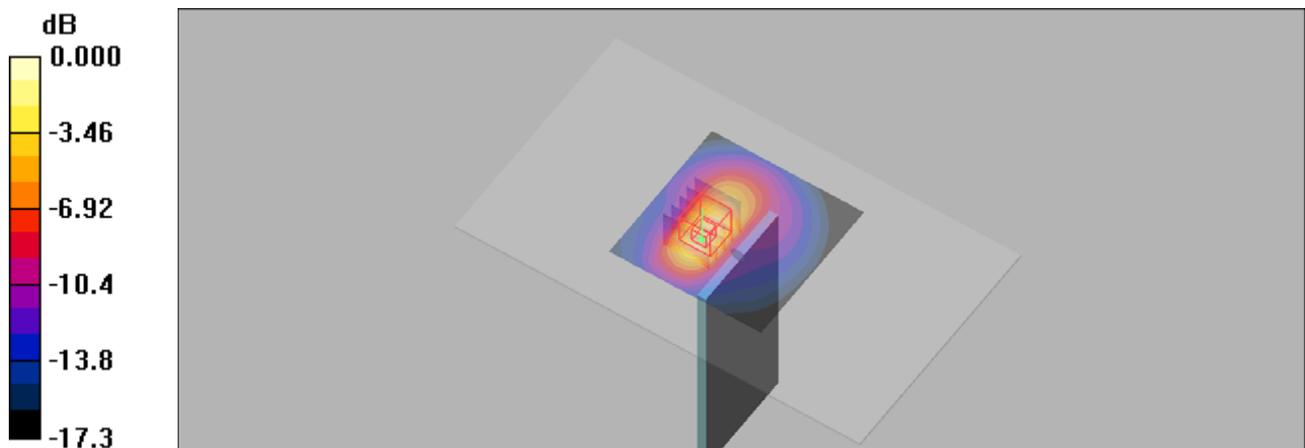**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.65 V/m; Power Drift = 0.170 dB
Peak SAR (extrapolated) = 0.598 W/kg
SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.368 mW/g

0 dB = 0.368mW/g

P21_LTE 7_QPSK20M_Bottom Side_10MM_21100_1RB_50 Offset

DUT: EUT

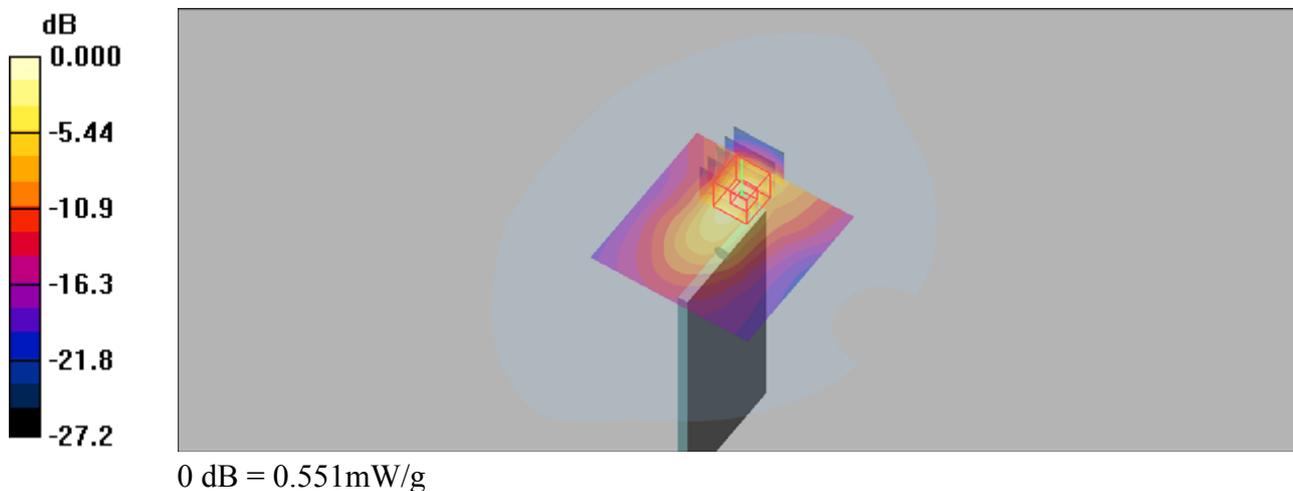Communication System: LTE Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: H2600 Medium parameters used: f = 2535 MHz; σ = 1.98 mho/m; ε_r = 37.9; ρ = 1000

kg/m^3

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 (51x51x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.464 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.53 V/m; Power Drift = 0.173 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.551 mW/g

0 dB = 0.551mW/g

P22_LTE 12_QPSK10M_Rear Face_10MM_23130_1 RB_24 Offset

DUT: EUT

Communication System: LTE Band 12; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H750 Medium parameters used: f = 711 MHz; σ = 0.856 mho/m; ε_r = 41.5; ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.22, 6.22, 6.22); 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 (61x61x1): Measurement grid: dx=15mm, dy=15mm
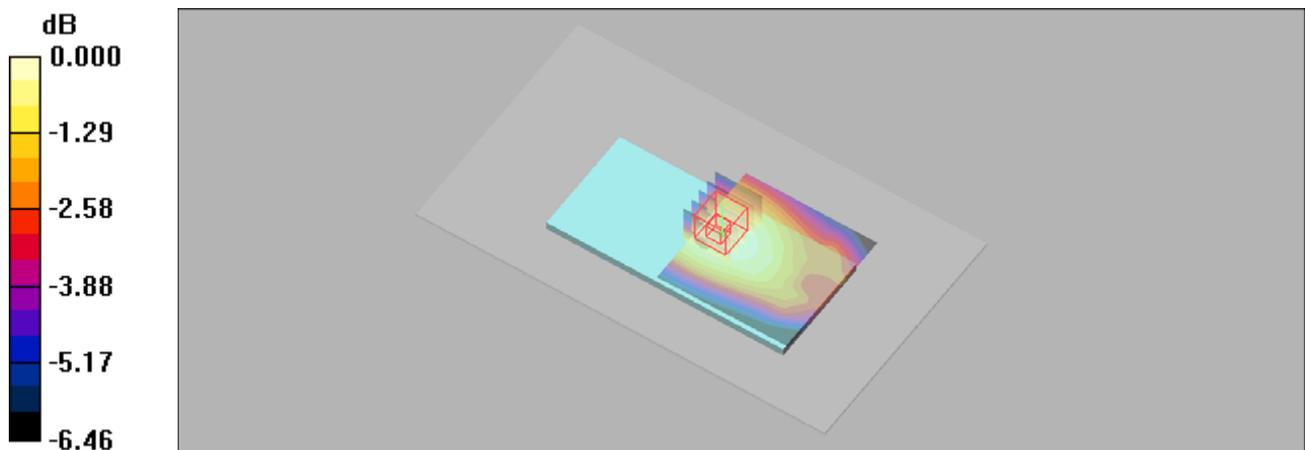Maximum value of SAR (interpolated) = 0.486 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.0 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.545 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.357 mW/g
Maximum value of SAR (measured) = 0.484 mW/g

0 dB = 0.484mW/g

P23_LTE 13_QPSK10M_Rear Face_10MM_23230_1 RB_0 Offset

DUT: EUT

Communication System: LTE Band 13; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H750 Medium parameters used: f = 782 MHz; σ = 0.905 mho/m; ε_r = 41.1; ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(6.22, 6.22, 6.22); 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 (61x61x1): Measurement grid: dx=15mm, dy=15mm
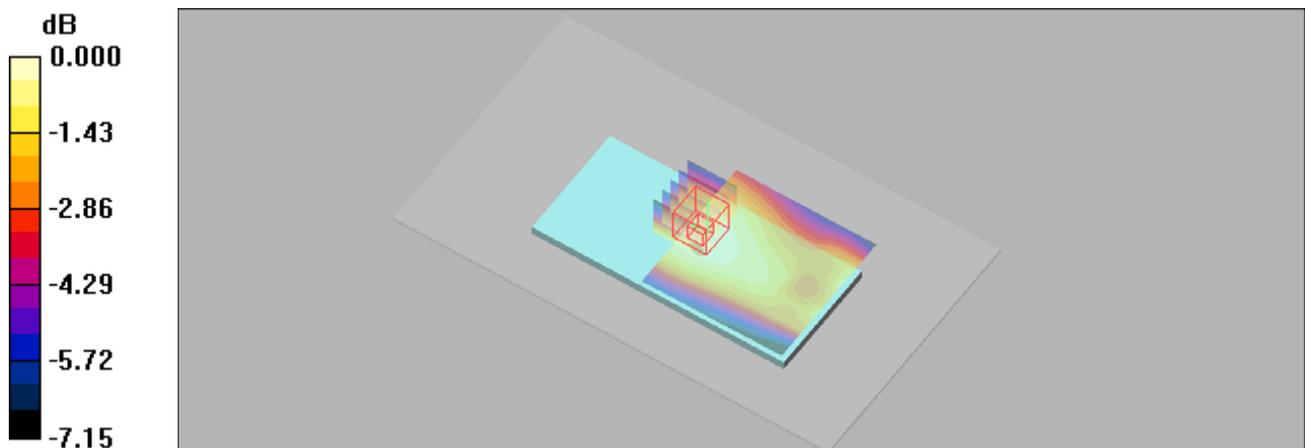Maximum value of SAR (interpolated) = 0.375 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.0 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.429 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.378 mW/g

0 dB = 0.378mW/g

P24_802.11b_Rear Face_10MM_11

DUT: EUT

Communication System: Wlan 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450 Medium parameters used: f = 2462 MHz; σ = 1.8 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3

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 (71x71x1): Measurement grid: dx=15mm, dy=15mm
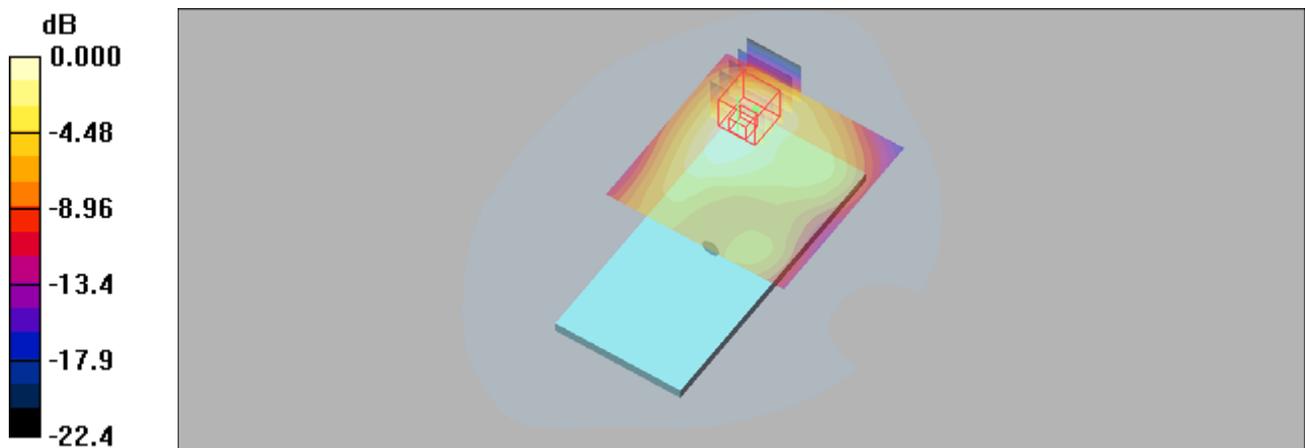Maximum value of SAR (interpolated) = 0.352 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.86 V/m; Power Drift = -0.02dB
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.350 mW/g

0 dB = 0.350mW/g

P25_GSM1900_GPRS10_Front Face_10MM_512

DUT: EUT

Communication System: GPRS1900-2slots; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: H1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.35 mho/m; ε_r = 41.6;

ρ = 1000 kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
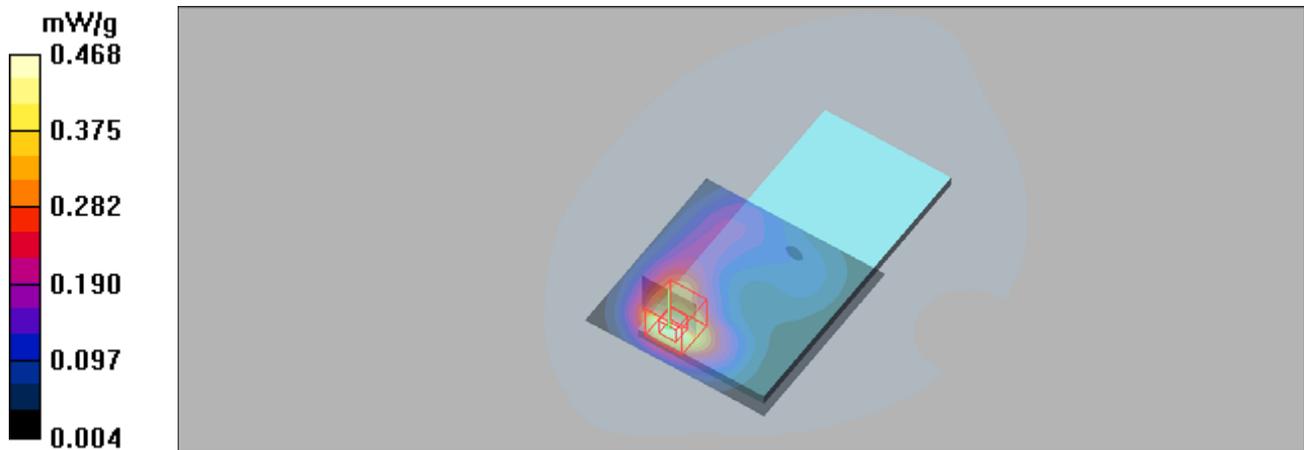Maximum value of SAR (interpolated) = 0.468 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.12 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.489 mW/g

P26_WCDMA II_RMC12.2K_Rear Face_10MM_9538

DUT: EUT

Communication System: WCDMA Band II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: H1900 Medium parameters used: f = 1908 MHz; σ = 1.42 mho/m; ε_r = 41.3; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.495 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.84 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 0.790 W/kg
SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.223 mW/g
Maximum value of SAR (measured) = 0.502 mW/g
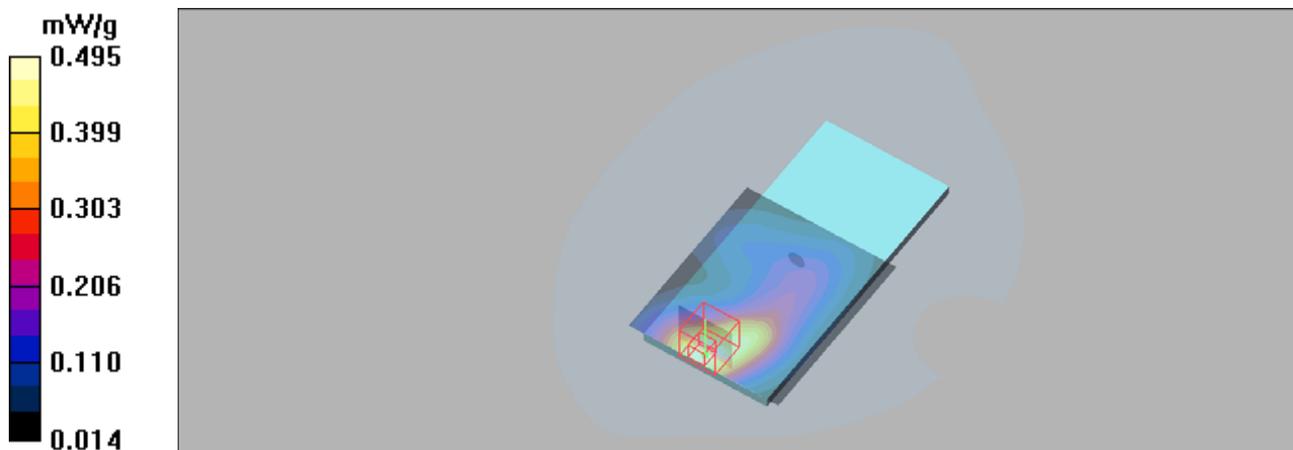
P27_WCDMA IV_RMC12.2K_Front Face_10MM_1513

DUT: EUT

Communication System: WCDMA Band IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750 Medium parameters used: f = 1753 MHz; σ = 1.37 mho/m; ε_r = 40.3; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.36, 5.36, 5.36); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.498 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.70 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 0.828 W/kg
SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.236 mW/g
Maximum value of SAR (measured) = 0.529 mW/g
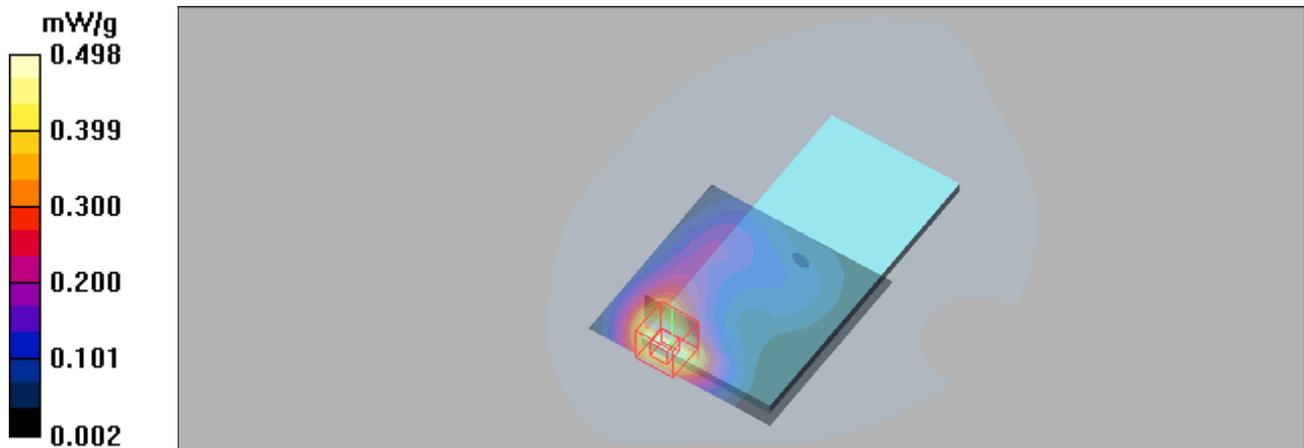
P28_LTE 2_QPSK20M_Front Face_10MM_18900_1RB_50 Offset

DUT: EUT

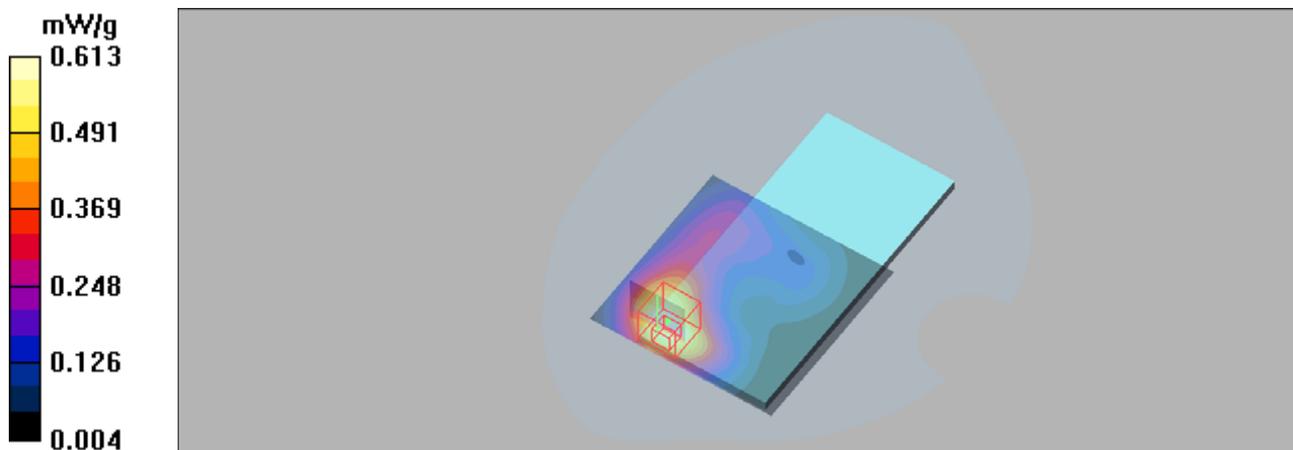Communication System: LTE Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; $ε_r$ = 41.4; ρ = 1000
kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.06, 5.06, 5.06); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): 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 = 9.40 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.974 W/kg
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.625 mW/g

## P29_LTE 4_QPSK20M_Rear Face_10MM_20300_1RB_50 Offset

DUT: EUT

Communication System: LTE Band 4&20M; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: H1750 Medium parameters used: f = 1745 MHz; σ = 1.36 mho/m; ε_r = 40.3; ρ = 1000

kg/m^3

DASY4 Configuration:
- Probe: ES3DV3 - SN3090; ConvF(5.36, 5.36, 5.36); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.638 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.94 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.963 W/kg
SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.282 mW/g
Maximum value of SAR (measured) = 0.655 mW/g
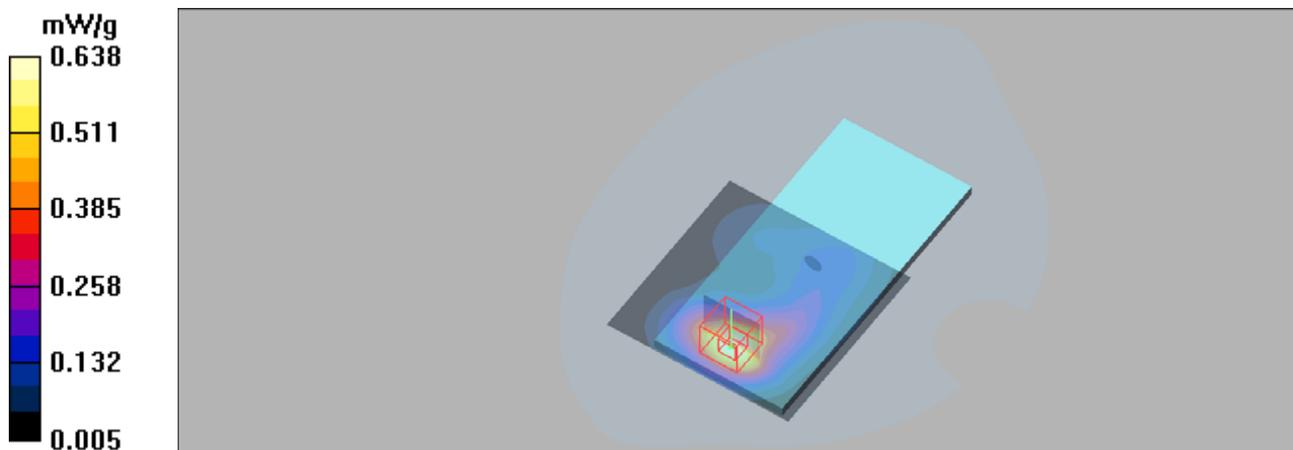
P30_LTE 5_QPSK10M_Front Face_10MM_20600_25 RB_0 Offset

DUT: EUT

Communication System: LTE Band5; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: H850 Medium parameters used: f = 844 MHz; σ = 0.899 mho/m; ε_r = 42.2; ρ = 1000 kg/m^3

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: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

Test/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm
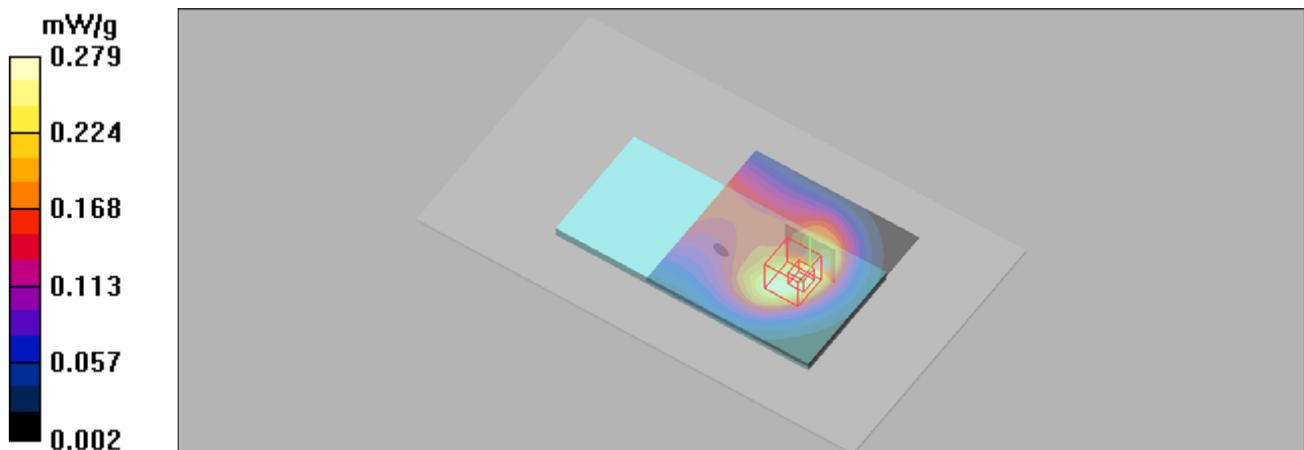Maximum value of SAR (interpolated) = 0.279 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = 0.060 dB
Peak SAR (extrapolated) = 0.415 W/kg
SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.151 mW/g
Maximum value of SAR (measured) = 0.300 mW/g

P31_LTE 7_QPSK20M_Front Face_10MM_21100_1RB_50 Offset

DUT: EUT

Communication System: LTE Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: H2600 Medium parameters used: f = 2535 MHz; σ = 1.98 mho/m; ε_r = 37.9; ρ = 1000 kg/m^3

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 (51x51x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.513 mW/g

Test/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.99 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 0.744 W/kg
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.425 mW/g