

Highest SAR Test Plots

Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/12/1

P01 GSM850_GPRS11_Rear Face-1_0cm_Ch128

DUT: EUT

Communication System: GPRS11; Frequency: 824.2 MHz; Duty Cycle: 1:2.67

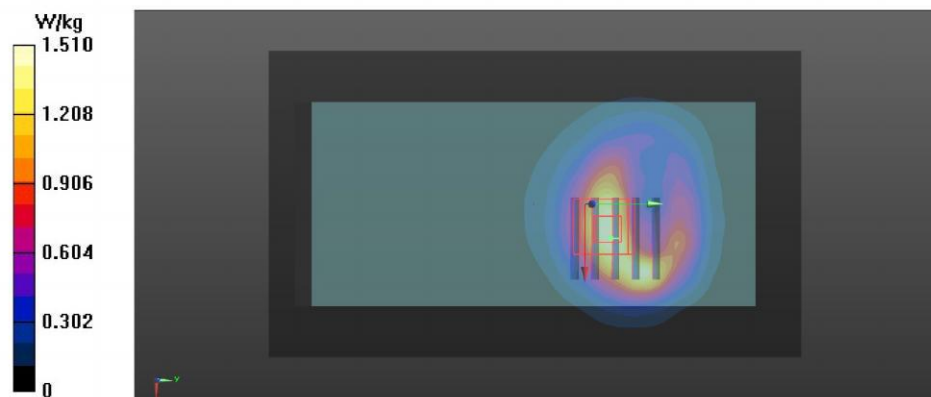
Medium: B835 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.943$ S/m; $\epsilon_r = 56.137$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.01, 10.01, 10.01) @ 824.2 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (81x141x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.51 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 12.97 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.571 W/kg
Maximum value of SAR (measured) = 1.53 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/30

P02 GSM1900_GPRS12_Rear Face-1_0cm_Ch661

DUT: EUT

Communication System: GPRS12; Frequency: 1880 MHz; Duty Cycle: 1:2

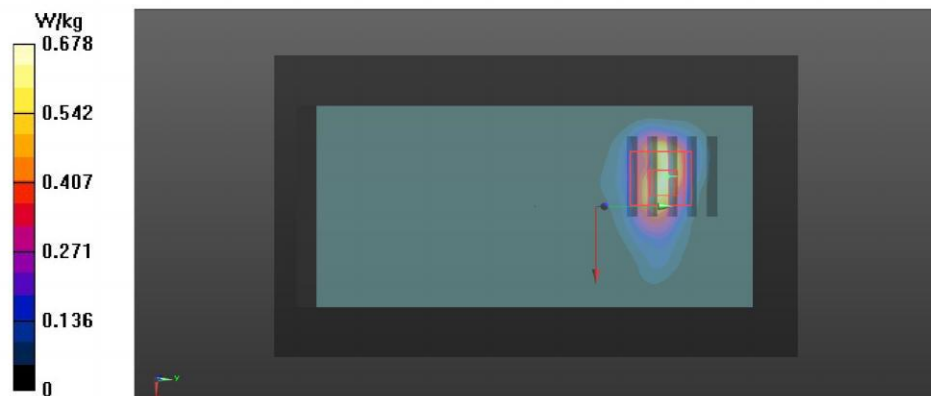
Medium: B1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.563 \text{ S/m}$; $\epsilon_r = 53.733$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.08, 8.08, 8.08) @ 1880 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (81x141x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.678 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 1.033 V/m ; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.979 W/kg
SAR(1 g) = 0.424 W/kg ; SAR(10 g) = 0.202 W/kg
Maximum value of SAR (measured) = 0.766 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/30

P03 WCDMA II_RMC12.2K_Rear Face-1_0cm_Ch9538

DUT: EUT

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

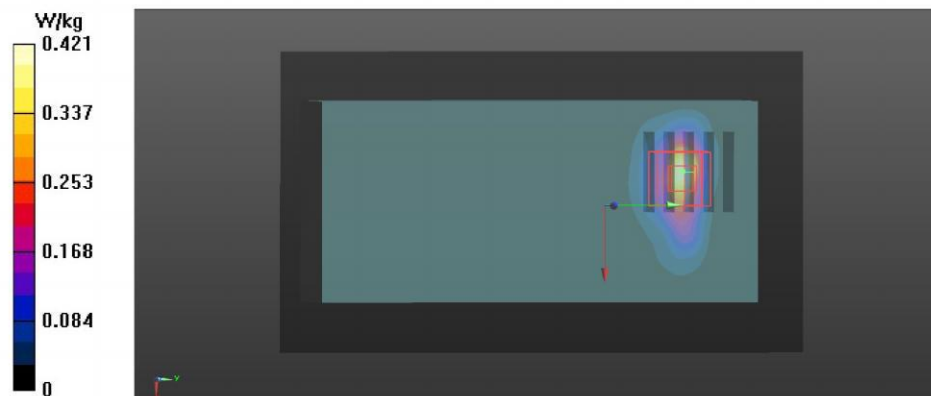
Medium: B1900 Medium parameters used: $f = 1908 \text{ MHz}$; $\sigma = 1.593 \text{ S/m}$; $\epsilon_r = 53.629$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.08, 8.08, 8.08) @ 1907.6 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (81x141x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.421 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 0 V/m ; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.453 W/kg
SAR(1 g) = 0.203 W/kg ; SAR(10 g) = 0.095 W/kg
Maximum value of SAR (measured) = 0.357 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/12/2

P04 WCDMA IV_RMC12.2K_Rear Face-1_0cm_Ch1413

DUT: EUT

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

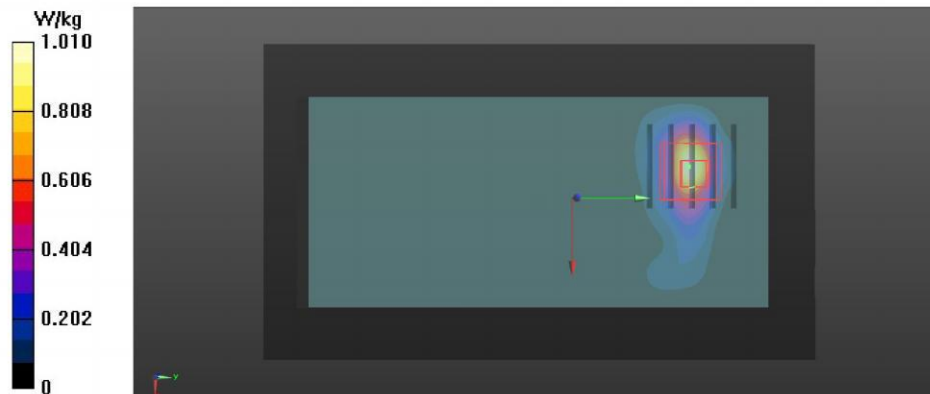
Medium: B1750 Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.426 \text{ S/m}$; $\epsilon_r = 53.725$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.35, 8.35, 8.35) @ 1732.6 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (81x141x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.01 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.220 W/kg
Maximum value of SAR (measured) = 0.799 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/12/1

P05 WCDMA V_RMC12.2K_Rear Face-1_0cm_Ch4132

DUT: EUT

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

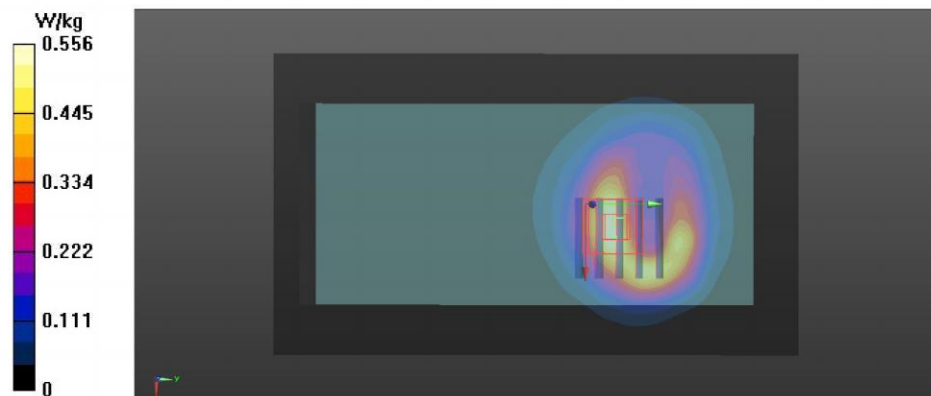
Medium: B835 Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.945 \text{ S/m}$; $\epsilon_r = 56.115$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.01, 10.01, 10.01) @ 826.4 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (81x141x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.556 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.872 V/m ; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.716 W/kg
SAR(1 g) = 0.395 W/kg ; SAR(10 g) = 0.224 W/kg
Maximum value of SAR (measured) = 0.589 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/30

P06 LTE 2_QPSK20M_Rear Face-1_0cm_Ch19100_1RB_OS0

DUT: EUT

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

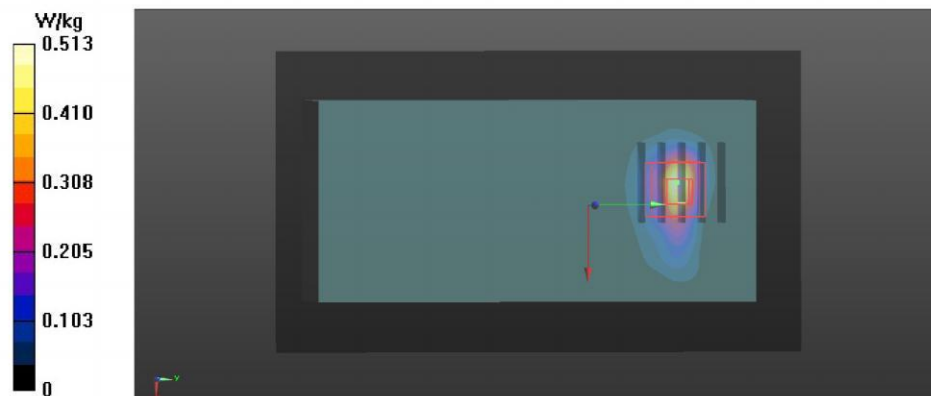
Medium: B1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.585$ S/m; $\epsilon_r = 53.657$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- Area Scan (81x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.513 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.473 W/kg
SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.096 W/kg
Maximum value of SAR (measured) = 0.363 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/12/2

P07 LTE 4_QPSK20M_Rear Face-1_0cm_Ch20050_1RB_OS99

DUT: EUT

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

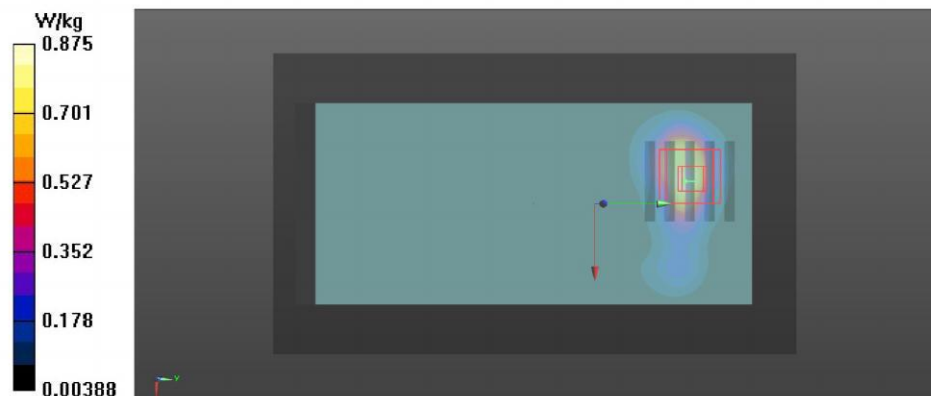
Medium: B1750 Medium parameters used: $f = 1720 \text{ MHz}$; $\sigma = 1.415 \text{ S/m}$; $\epsilon_r = 53.751$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.35, 8.35, 8.35) @ 1720 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- Area Scan (81x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.888 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 0 V/m ; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.516 W/kg ; SAR(10 g) = 0.234 W/kg
Maximum value of SAR (measured) = 0.875 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/12/1

P08 LTE 5_QPSK10M_Rear Face-1_0cm_Ch20450_1RB_OS49

DUT: EUT

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

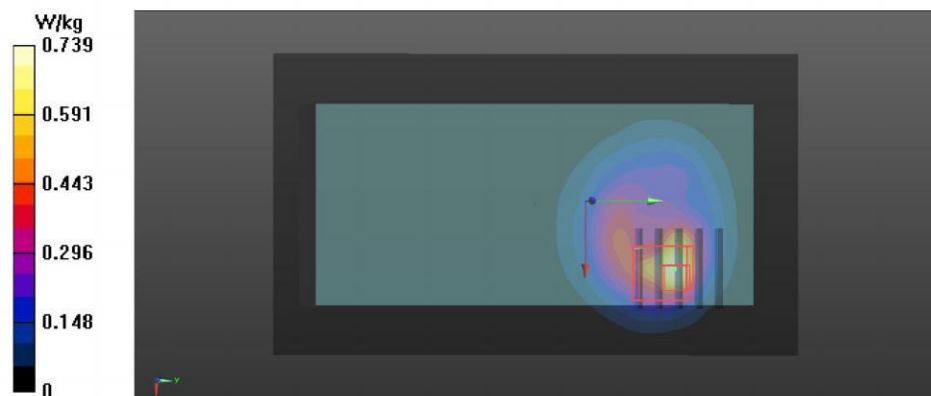
Medium: B835 Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.948 \text{ S/m}$; $\epsilon_r = 56.089$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.01, 10.01, 10.01) @ 829 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- Area Scan (81x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.739 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 5.296 V/m ; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.732 W/kg
SAR(1 g) = 0.293 W/kg ; SAR(10 g) = 0.158 W/kg
Maximum value of SAR (measured) = 0.499 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/12/2

P09 LTE 7_QPSK20M_Rear Face-1_0cm_Ch21350_1RB_OS50

DUT: EUT

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

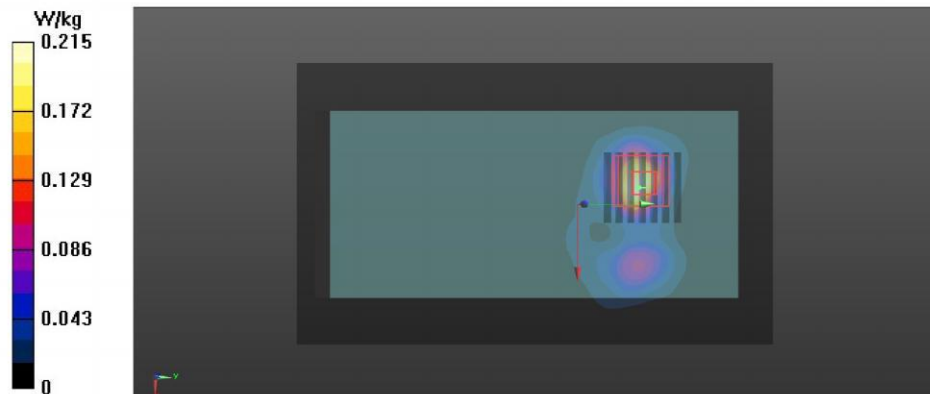
Medium: B2600 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.063$ S/m; $\epsilon_r = 51.244$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.48, 7.48, 7.48) @ 2560 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (101x171x1):** Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.215 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 1.408 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.317 W/kg
SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.220 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/27

P10 LTE 12_QPSK10M_Rear Face-1_0cm_Ch23095_1RB_OS24

DUT: EUT

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

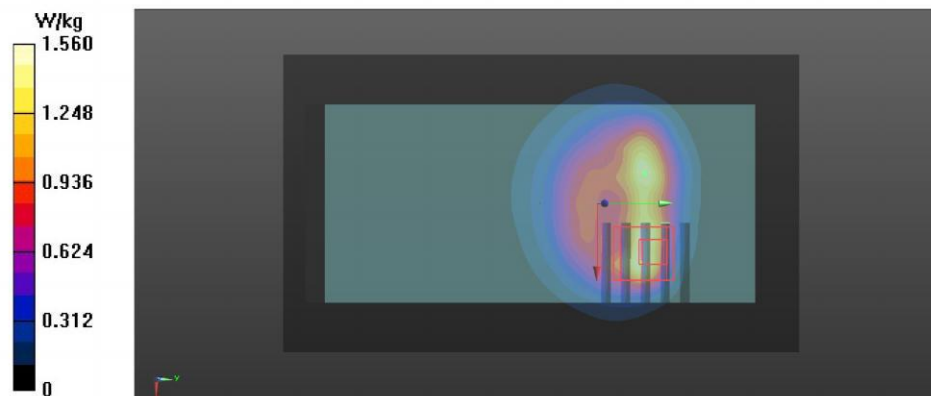
Medium: B750 Medium parameters used: $f = 707.5 \text{ MHz}$; $\sigma = 0.919 \text{ S/m}$; $\epsilon_r = 54.277$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.37, 10.37, 10.37) @ 707.5 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- Area Scan (81x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.56 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 18.53 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.355 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/27

P11 LTE 13_QPSK10M_Rear Face-1_0cm_Ch23230_1RB_OS24

DUT: EUT

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

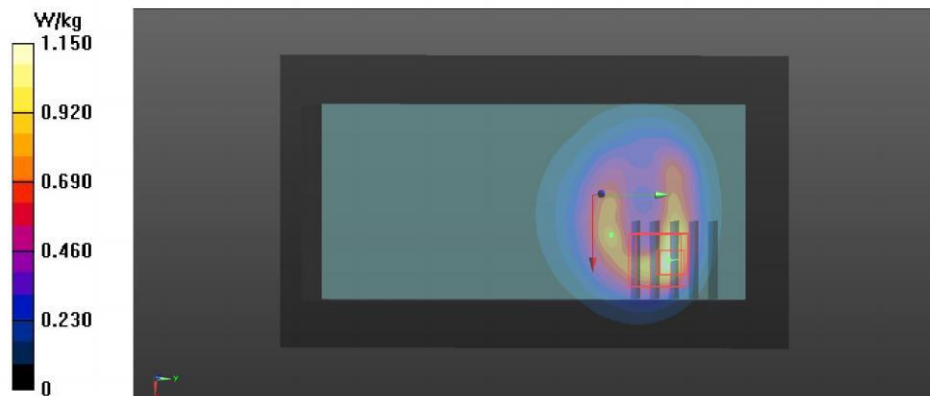
Medium: B750 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.995 \text{ S/m}$; $\epsilon_r = 53.489$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.37, 10.37, 10.37) @ 782 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- Area Scan (81x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.15 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 9.131 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.303 W/kg
Maximum value of SAR (measured) = 1.20 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/30

P12 LTE 25_QPSK20M_Rear Face-1_0cm_Ch26140_1RB_OS50

DUT: EUT

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

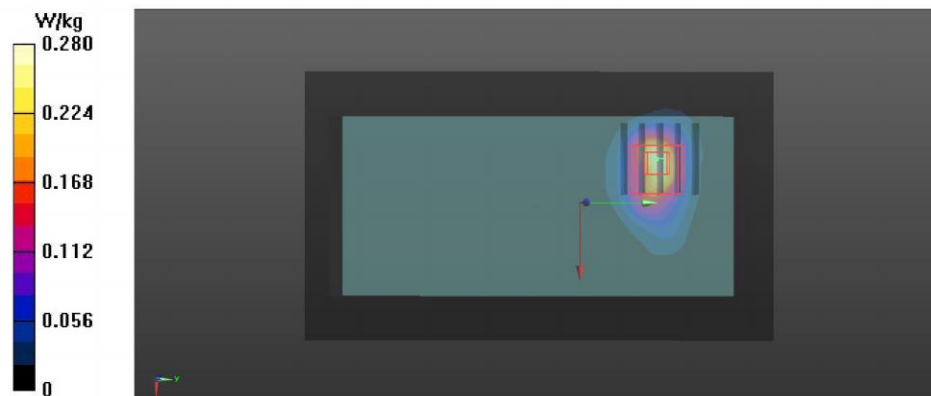
Medium: B1900 Medium parameters used: $f = 1860 \text{ MHz}$; $\sigma = 1.544 \text{ S/m}$; $\epsilon_r = 53.798$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.08, 8.08, 8.08) @ 1860 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- Area Scan (81x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.280 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 0.5740 V/m ; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.365 W/kg
SAR(1 g) = 0.159 W/kg ; SAR(10 g) = 0.076 W/kg
Maximum value of SAR (measured) = 0.281 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/12/1

P13 LTE 26_QPSK15M_Rear Face-1_0cm_Ch26765_1RB_OS0

DUT: EUT

Communication System: LTE; Frequency: 821.5 MHz; Duty Cycle: 1:1

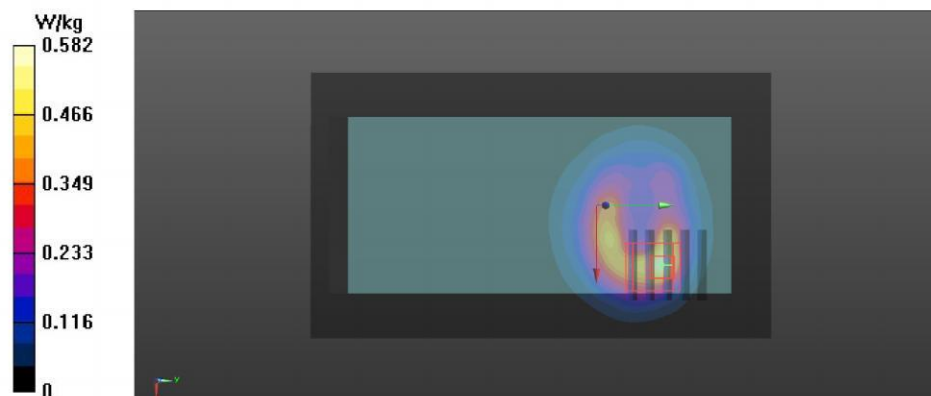
Medium: B835 Medium parameters used: $f = 821.5 \text{ MHz}$; $\sigma = 0.94 \text{ S/m}$; $\epsilon_r = 56.162$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.01, 10.01, 10.01) @ 821.5 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- Area Scan (81x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.582 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 5.725 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.150 W/kg
Maximum value of SAR (measured) = 0.580 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/12/2

P14 802.11b_Right Side_0cm_Ch1

DUT: EUT

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

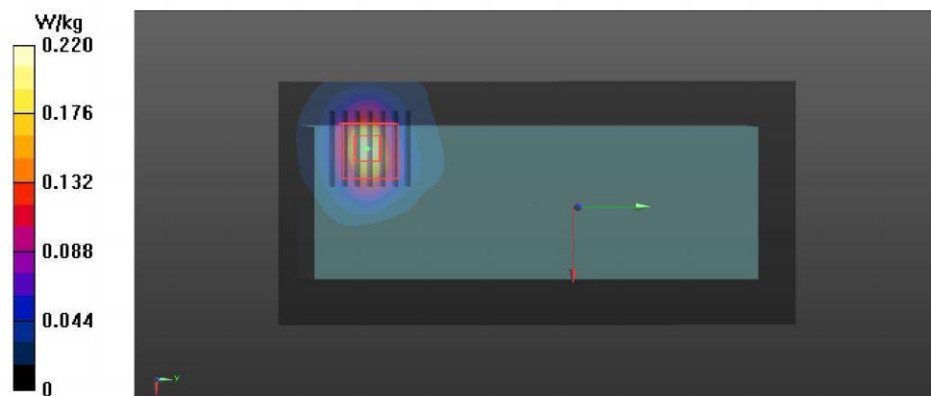
Medium: B2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.941 \text{ S/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.51, 7.51, 7.51) @ 2437 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (81x171x1):** Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 0.220 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 0 V/m ; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.269 W/kg
SAR(1 g) = 0.127 W/kg ; SAR(10 g) = 0.057 W/kg
Maximum value of SAR (measured) = 0.216 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/4

P15 802.11n_HT20_Right Side_0cm_Ch56

DUT: EUT

Communication System: 802.11n; Frequency: 5280 MHz; Duty Cycle: 1:1

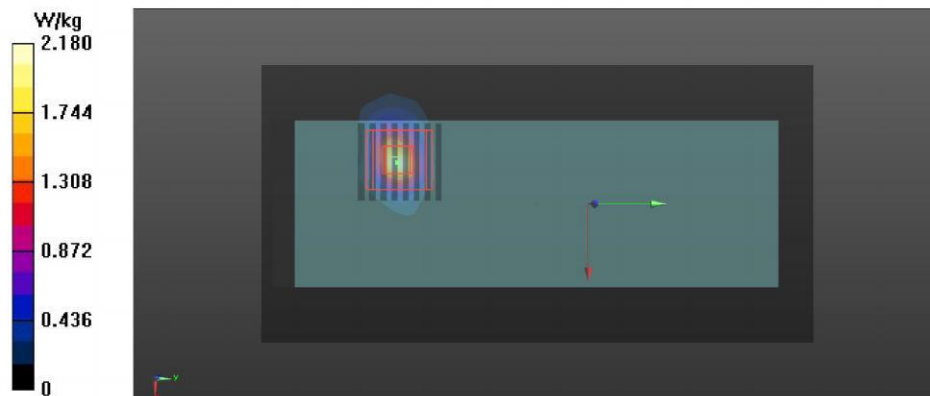
Medium: B5G Medium parameters used: $f = 5280 \text{ MHz}$; $\sigma = 5.544 \text{ S/m}$; $\epsilon_r = 48.247$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5, 5, 5) @ 5280 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (101x201x1):** Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 2.18 W/kg

- **Zoom Scan (8x8x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.91 W/kg
SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.212 W/kg
Maximum value of SAR (measured) = 1.75 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/4

P16 802.11a_Right Side_0cm_Ch120

DUT: EUT

Communication System: 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: B5G Medium parameters used: $f = 5600$ MHz; $\sigma = 5.957$ S/m; $\epsilon_r = 47.703$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.28, 4.28, 4.28) @ 5600 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (101x201x1):** Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 2.87 W/kg

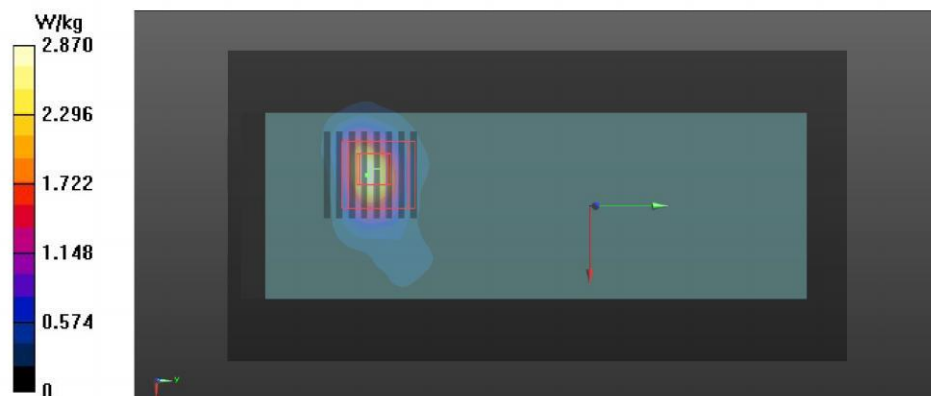
- **Zoom Scan (8x8x7)/Cube 0:** Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.585 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.88 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.344 W/kg

Maximum value of SAR (measured) = 2.81 W/kg



Test Laboratory: TÜV Rheinland IoT Excellence Center

Date: 2020/11/4

P17 802.11n_HT40_Right Side_0cm_Ch159

DUT: EUT

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: B5G Medium parameters used: $f = 5795 \text{ MHz}$; $\sigma = 6.213 \text{ S/m}$; $\epsilon_r = 47.413$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.32, 4.32, 4.32) @ 5795 MHz; Calibrated: 2020/5/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2020/5/27
- Phantom: ELI V8.0; Type: QD OVA 004 Ax; Serial: 2094
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

- **Area Scan (101x201x1):** Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

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

- **Zoom Scan (8x8x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 0.8110 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 1.39 W/kg

