



REPORT No. : SZ18090337S01

Annex D Plots of Maximum SAR Test Results

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MORLAB

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GSM850_GPRS(3 TX slots)_Left Cheek_Ch251

Communication System: UID 0, GSM850(class 11) (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.77
Medium: HSL_835_181024 Medium parameters used: $f = 849$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 42.132$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.66, 9.66, 9.66); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.157 W/kg

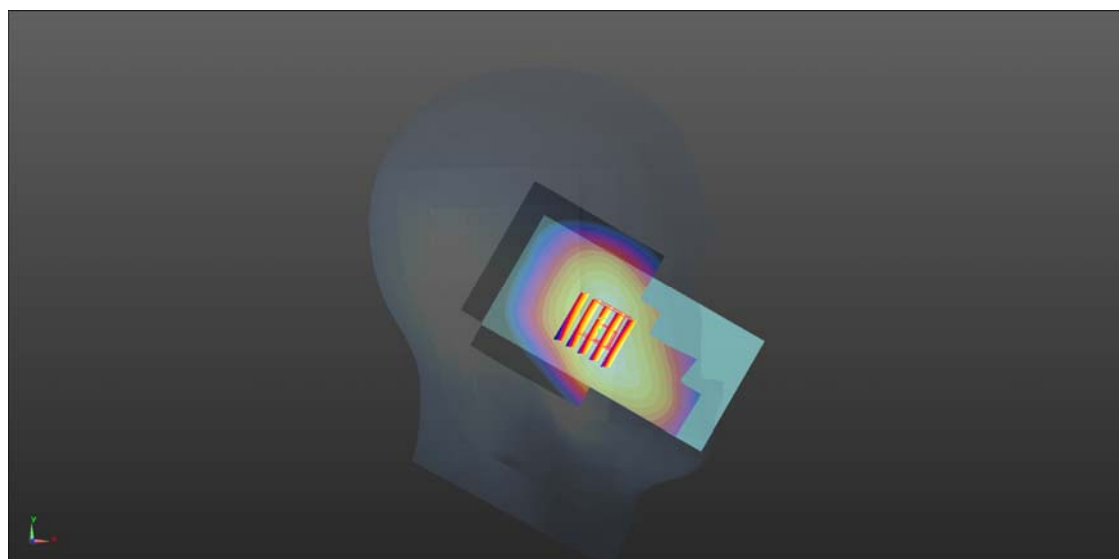
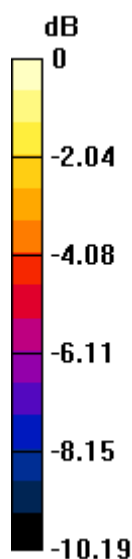
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.767 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.157 W/kg

GSM1900_GPRS(3 TX slots)_Left Cheek_Ch810

Communication System: UID 0, PCS1900(class 11) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.77
Medium: HSL_1900_181117 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.471$ S/m; $\epsilon_r = 40.859$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.89, 7.89, 7.89); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.752 W/kg

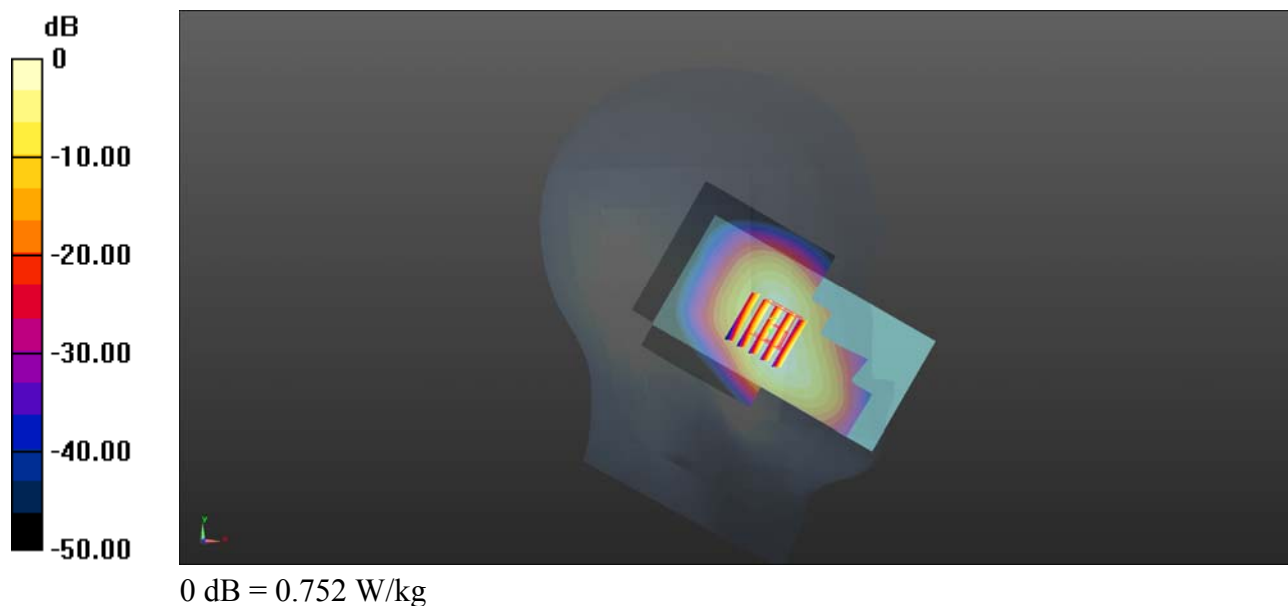
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.904 V/m; Power Drift = 0.92 dB

Peak SAR (extrapolated) = 0.649 W/kg

SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 0.430 W/kg



WCDMA Band II_RMC 12.2Kbps_Left Cheek_Ch9262

Communication System: UID 0, UMTS-FDD (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL_1900_181117 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 41.067$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.89, 7.89, 7.89); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9262/Area Scan (71x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.450 W/kg

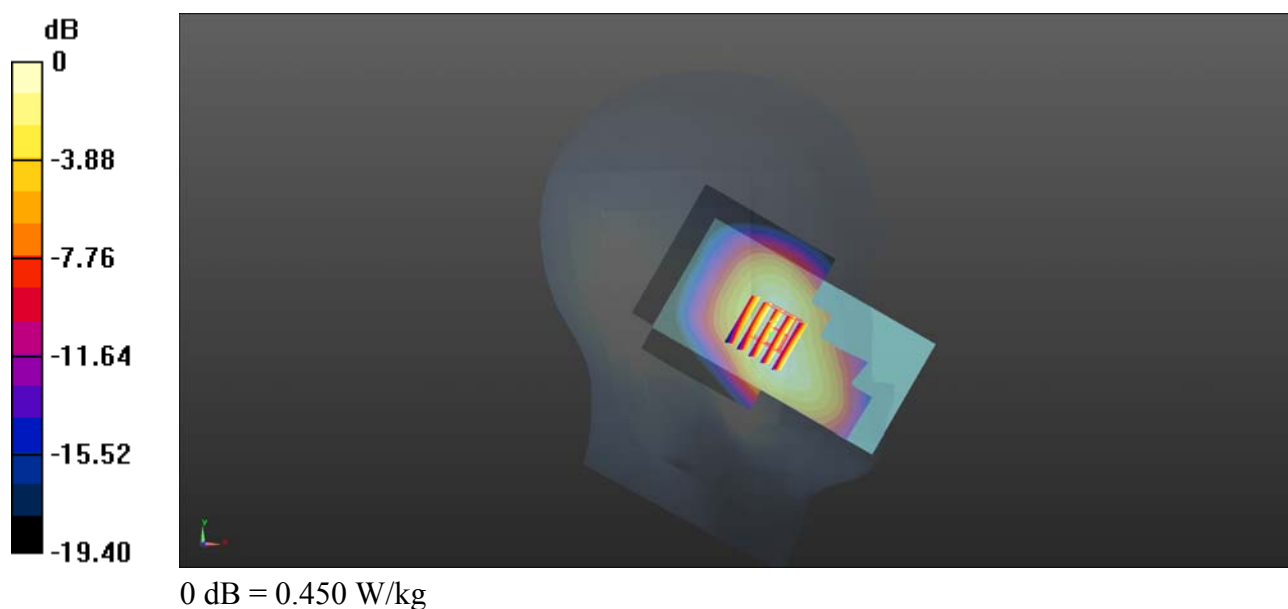
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.030 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.263 W/kg

Maximum value of SAR (measured) = 0.442 W/kg



WCDMA Band V_RMC 12.2Kbps_Left Cheek_Ch4233

Communication System: UID 0, UMTS-FDD (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL_835_181024 Medium parameters used: $f = 847$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 42.152$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.66, 9.66, 9.66); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.194 W/kg

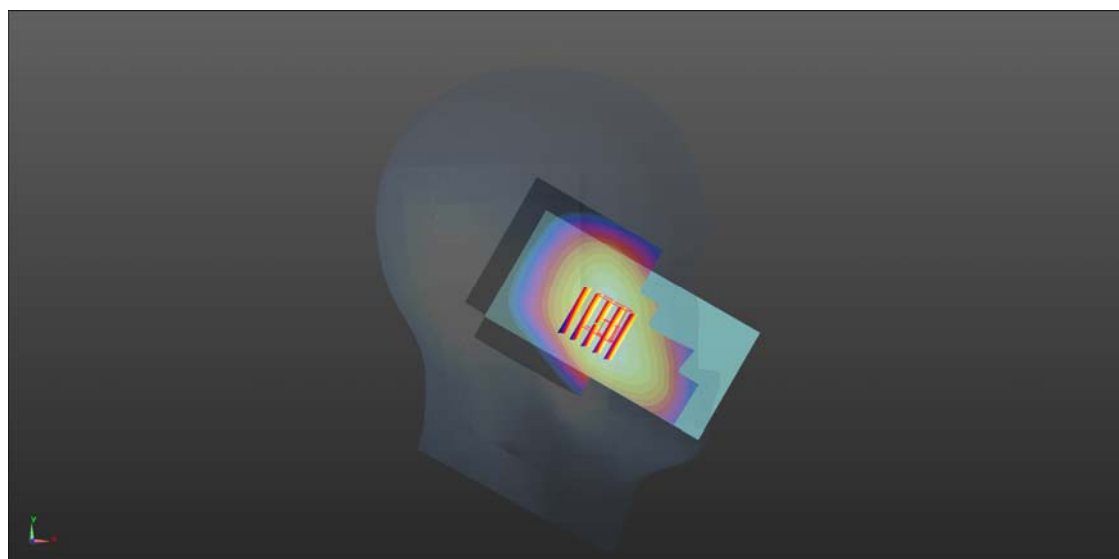
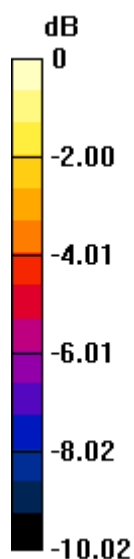
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.108 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.192 W/kg



0 dB = 0.194 W/kg

LTE Band 2_20MHz_QPSK_1RB_0Offset_Left Cheek_Ch18700

Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL_1900_181117 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 41.041$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.89, 7.89, 7.89); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (71x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.310 W/kg

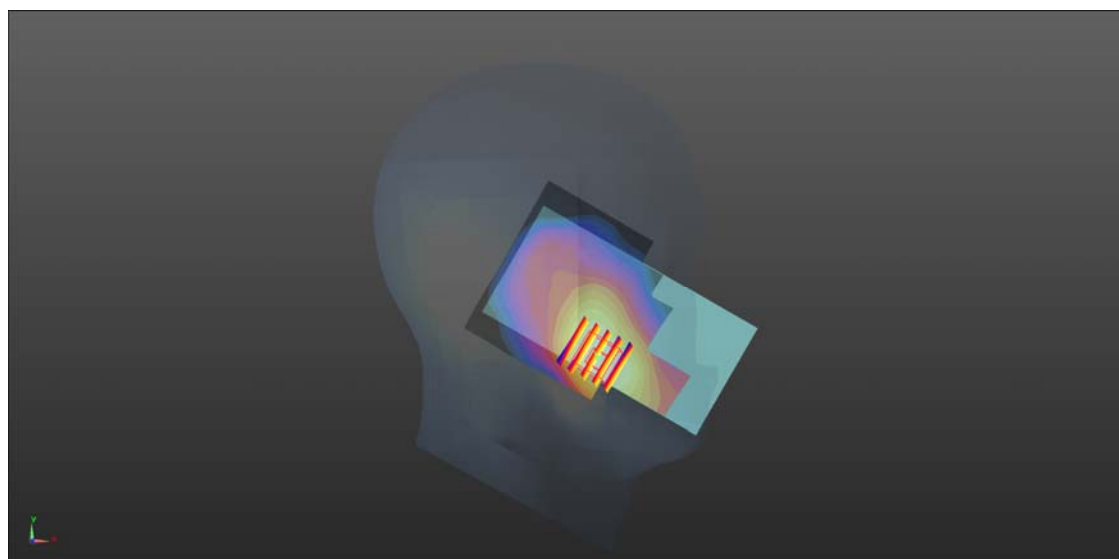
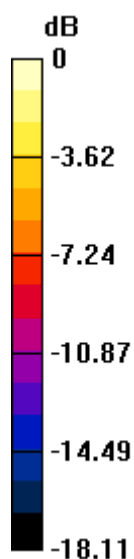
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.004 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.315 W/kg



0 dB = 0.310 W/kg

LTE Band 4_20MHz_QPSK_1RB_0Offset_Left Cheek_Ch20300

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

Medium: HSL_1800_181025 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 39.406$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(8.29, 8.29, 8.29); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (71x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.529 W/kg

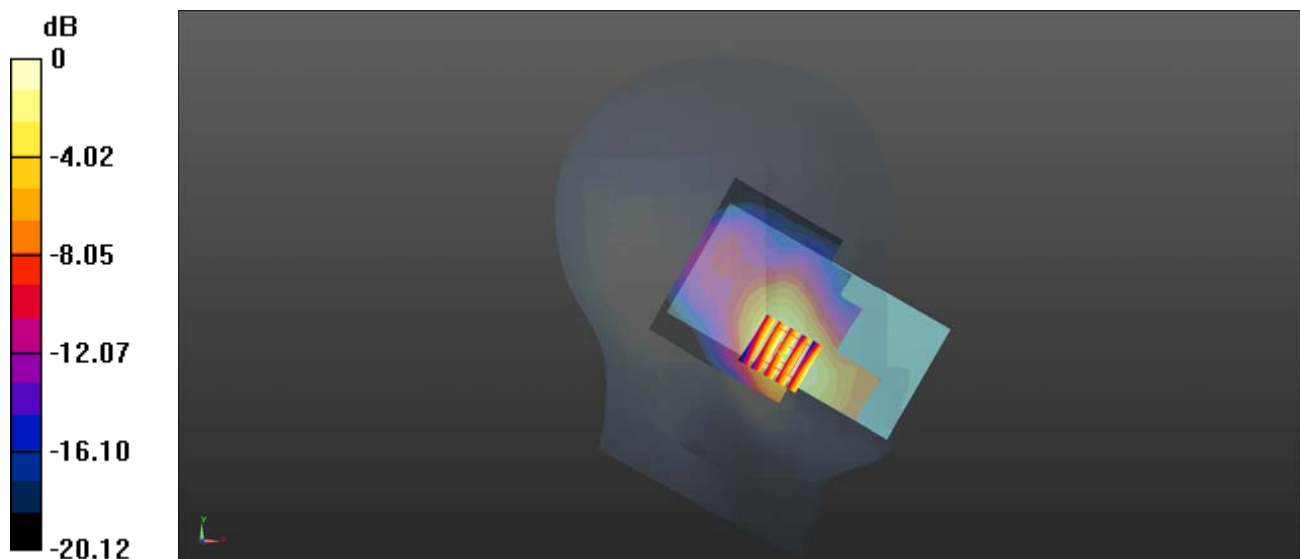
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.615 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.689 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.502 W/kg



0 dB = 0.529 W/kg

LTE Band 5_10MHz_QPSK_25RB_0Offset_Left Cheek_Ch20600

Communication System: UID 0, LTE (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: HSL_835_181024 Medium parameters used: $f = 844$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 42.184$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.66, 9.66, 9.66); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0718 W/kg

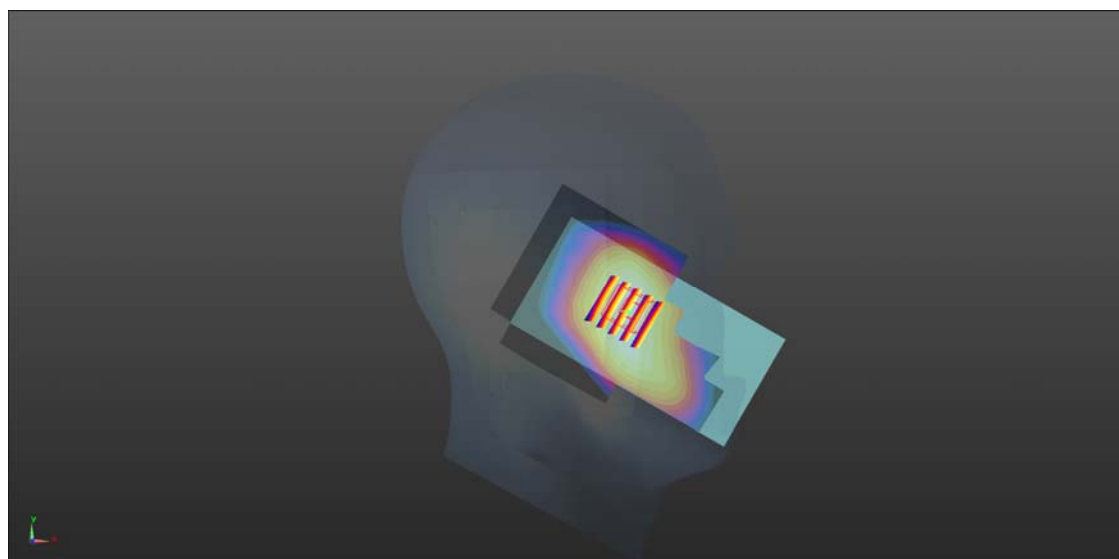
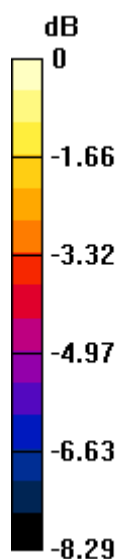
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.639 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0810 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.055 W/kg

Maximum value of SAR (measured) = 0.0719 W/kg



0 dB = 0.0718 W/kg

LTE Band 7_20MHz_QPSK_1RB_0Offset_Left Cheek_Ch20850

Communication System: UID 0, LTE (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL_2600_181023 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 40.076$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.4, 7.4, 7.4); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.319 W/kg

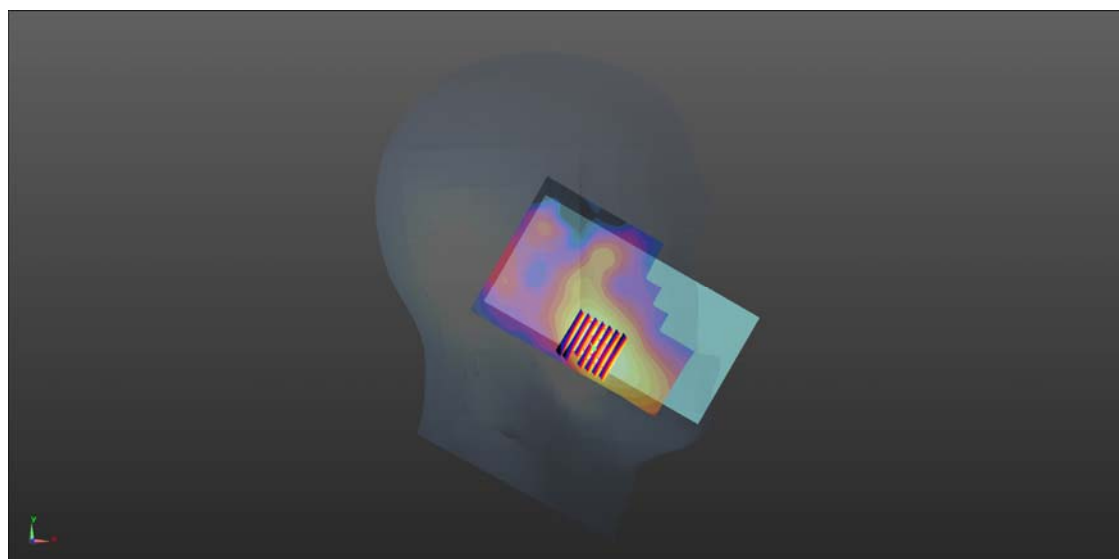
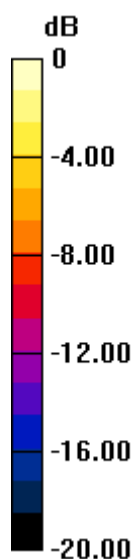
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.801 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.319 W/kg

WLAN 2.4GHz_802.11b 1Mbps_Left Cheek_Ch6

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: HSL_2450_181220 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.807$ S/m; $\epsilon_r = 38.111$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.34, 7.34, 7.34); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.114 W/kg

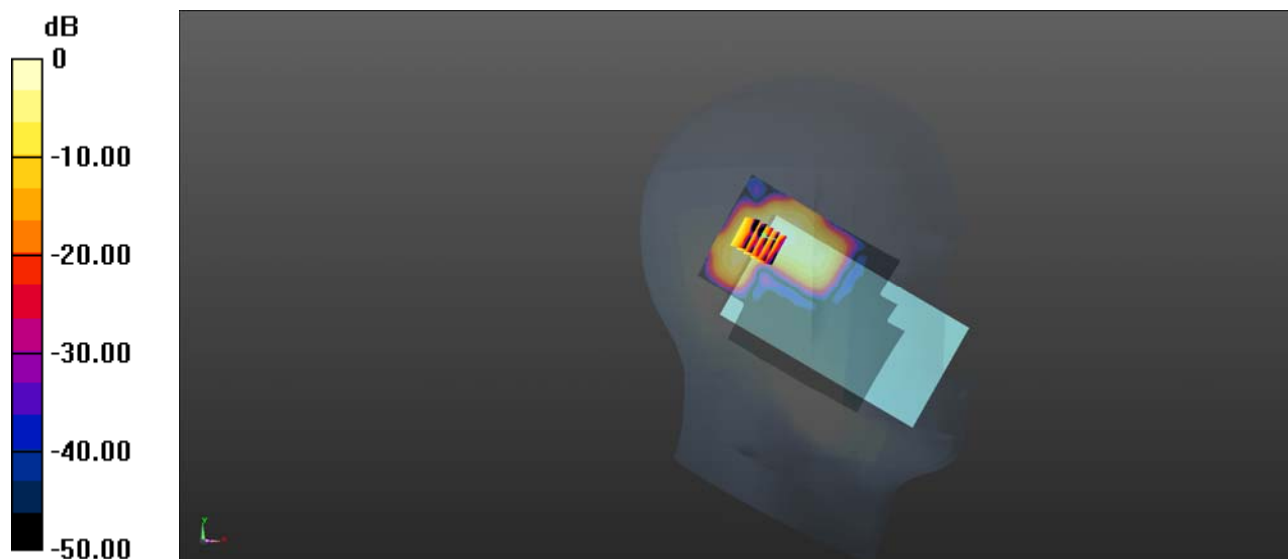
Ch6/Zoom Scan (5x5x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.314 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.0964 W/kg



0 dB = 0.114 W/kg

WLAN 5GHz Band 1_802.11a 6Mbps_Left Cheek_Ch36

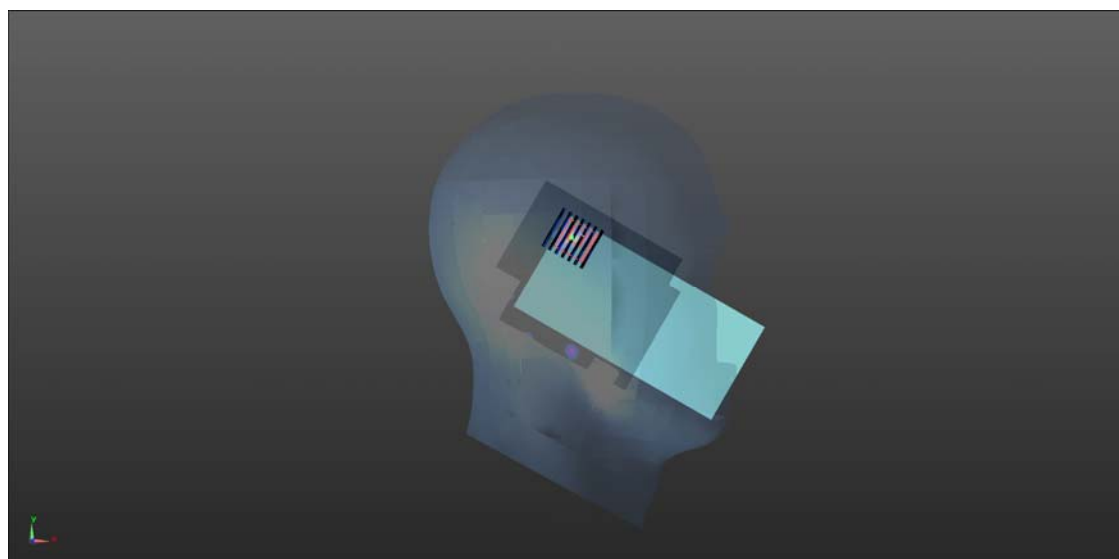
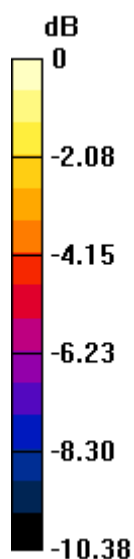
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5180 MHz; Duty Cycle: 1:1
Medium: HSL_5200_181220 Medium parameters used: $f = 5180$ MHz; $\sigma = 4.675$ S/m; $\epsilon_r = 37.102$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(5.28, 5.28, 5.28); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch36/Area Scan (101x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.102 W/kg

Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.666 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0760 W/kg
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.010 W/kg
Maximum value of SAR (measured) = 0.0388 W/kg



0 dB = 0.102 W/kg

WLAN 5GHz Band 2_802.11a 6Mbps_Left Cheek_Ch52

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium: HSL_5250_181220 Medium parameters used: $f = 5260$ MHz; $\sigma = 4.773$ S/m; $\epsilon_r = 36.905$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.73, 4.73, 7.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0273 W/kg

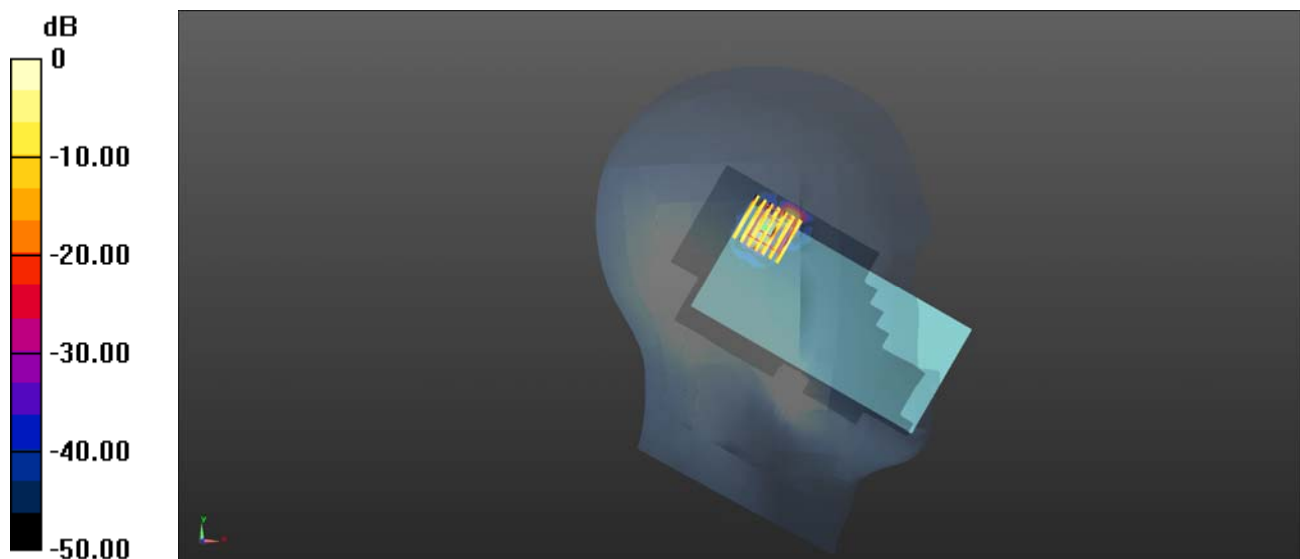
Ch52/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.00764 W/kg

Maximum value of SAR (measured) = 0.0261 W/kg



0 dB = 0.0273 W/kg

WLAN 5GHz Band 3_802.11n-HT20MCS0_Left Cheek_Ch100

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium: HSL_5600_181220 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.075$ S/m; $\epsilon_r = 36.416$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.5, 4.5, 4.5); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0359 W/kg

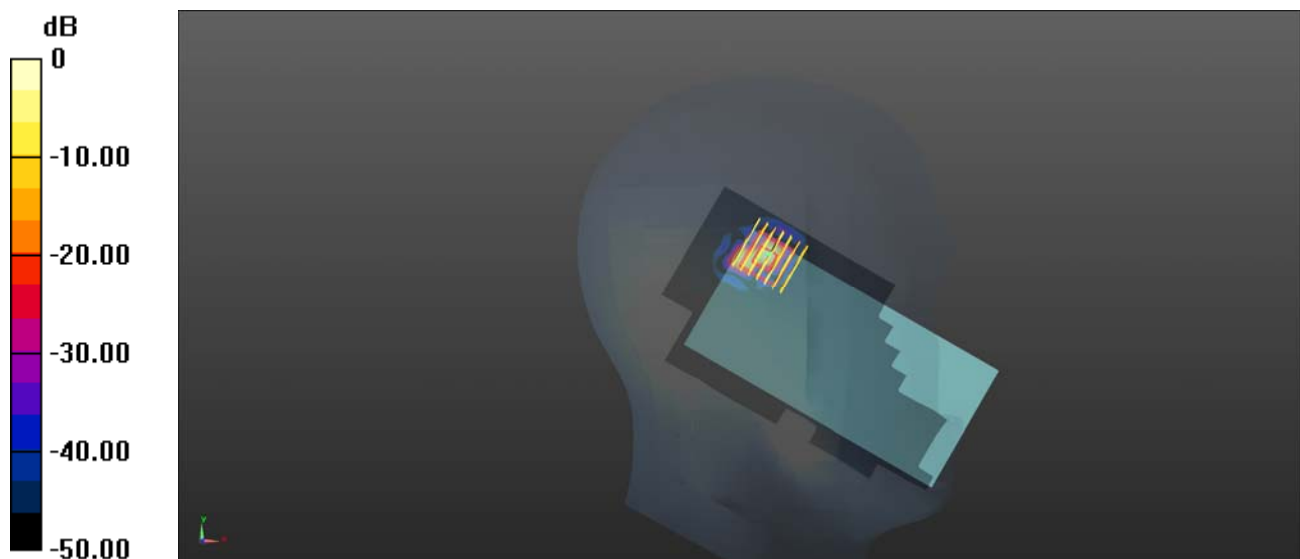
Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00542 W/kg

Maximum value of SAR (measured) = 0.0248 W/kg



0 dB = 0.0359 W/kg

WLAN 5GHz Band 4_802.11a 6Mbps_Left Tilt_Ch149

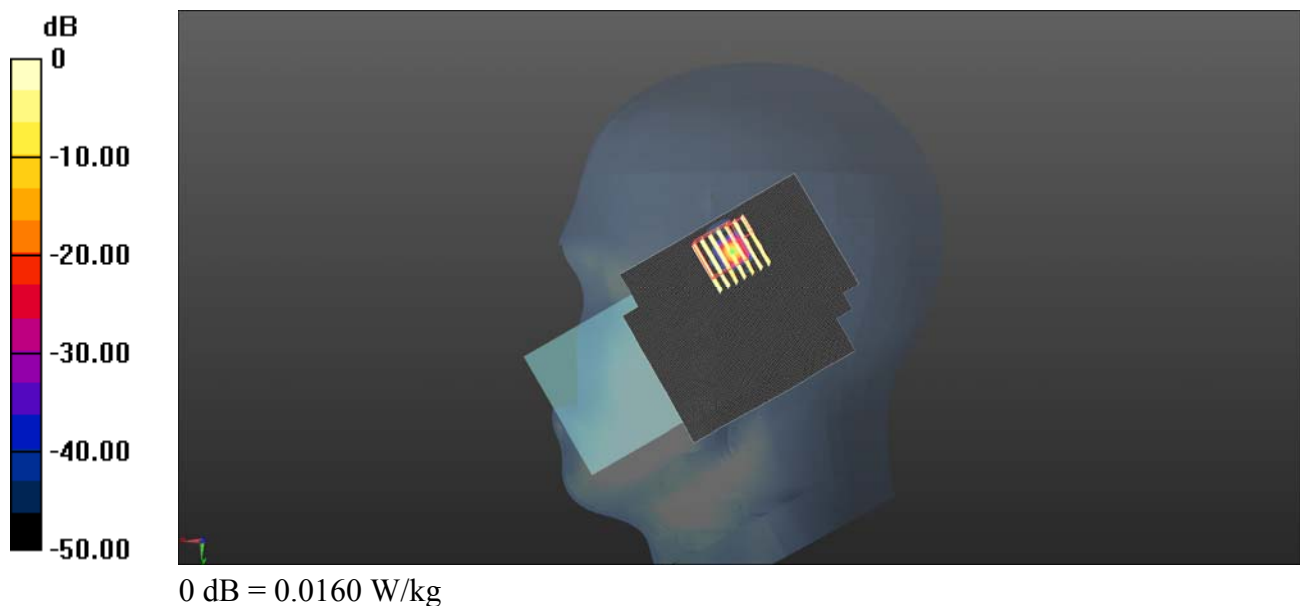
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium: HSL_5750_181220 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.369$ S/m; $\epsilon_r = 35.904$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(3.98, 3.98, 3.98); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (101x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.00241 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.6960 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0220 W/kg
SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00823 W/kg
Maximum value of SAR (measured) = 0.0160 W/kg



GSM850_GPRS(3 TX slots)_Front Side_10mm_Ch251

Communication System: UID 0, GSM850(class 11) (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.77
Medium: MSL_835_181024 Medium parameters used: $f = 849$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 53.946$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.69, 9.69, 9.69); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.199 W/kg

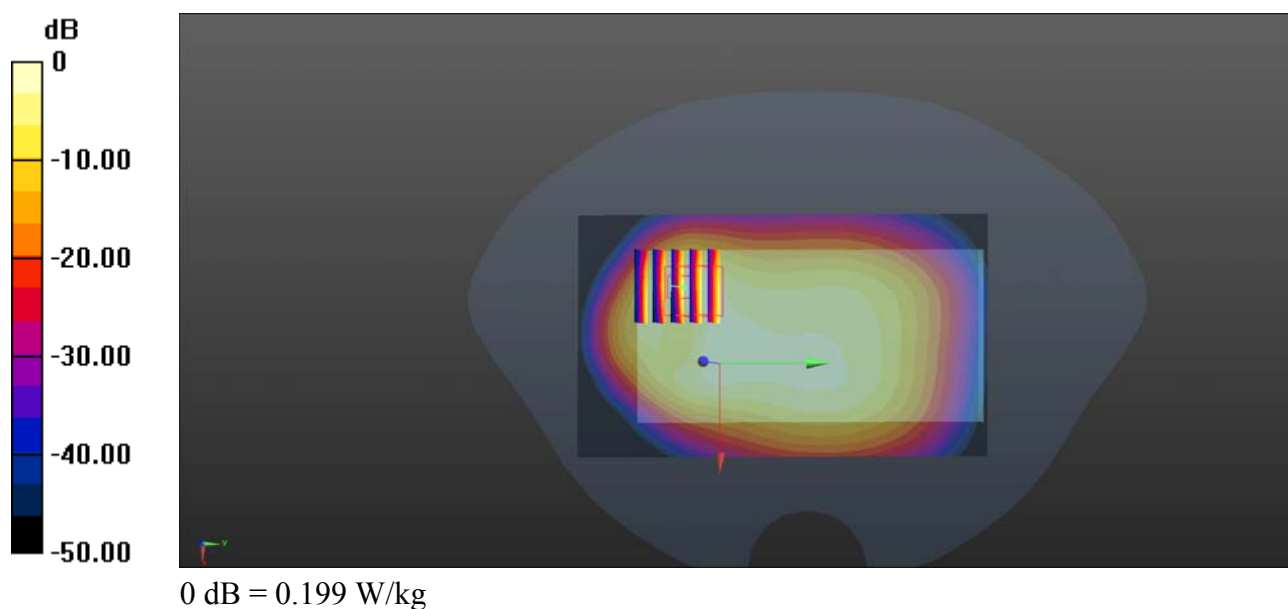
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.60 V/m; Power Drift = 0.02

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.139 W/kg



GSM1900_GPRS(3 TX slots)_Front Side_10mm_Ch810

Communication System: UID 0, PCS1900(class 11) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.77
Medium: MSL_1900_181024 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 52.372$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.56, 7.56, 7.56); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.797 W/kg

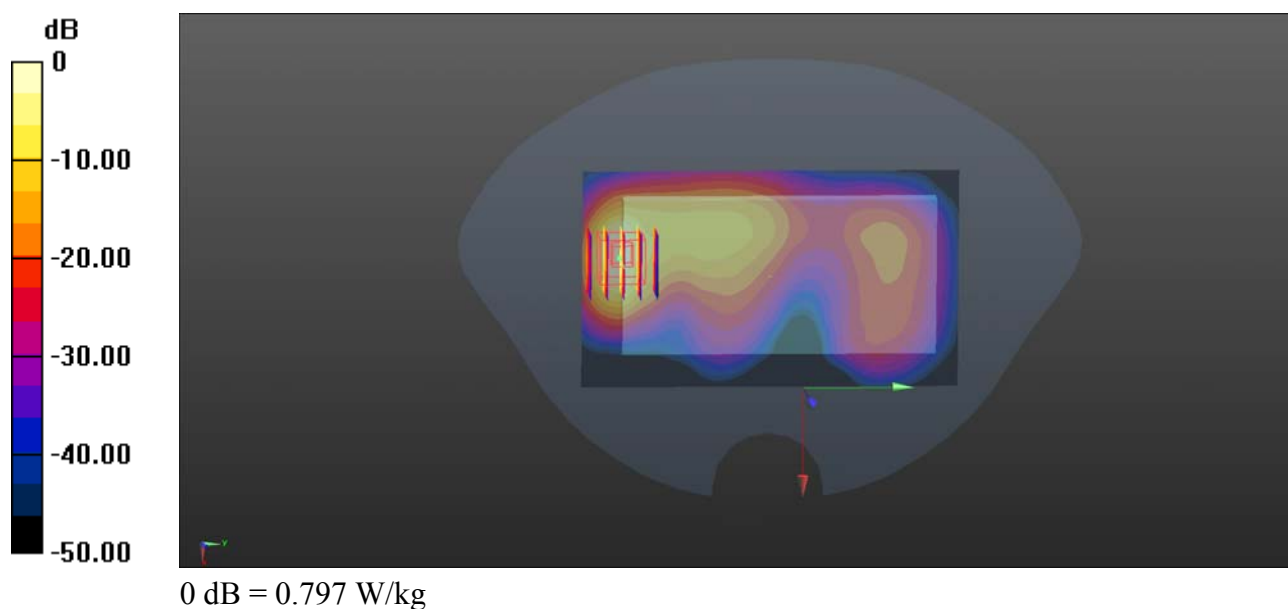
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.640 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.985 W/kg

SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.222 W/kg

Maximum value of SAR (measured) = 0.801 W/kg



WCDMA Band II_RMC 12.2Kbps_Front Side_10mm_Ch9262

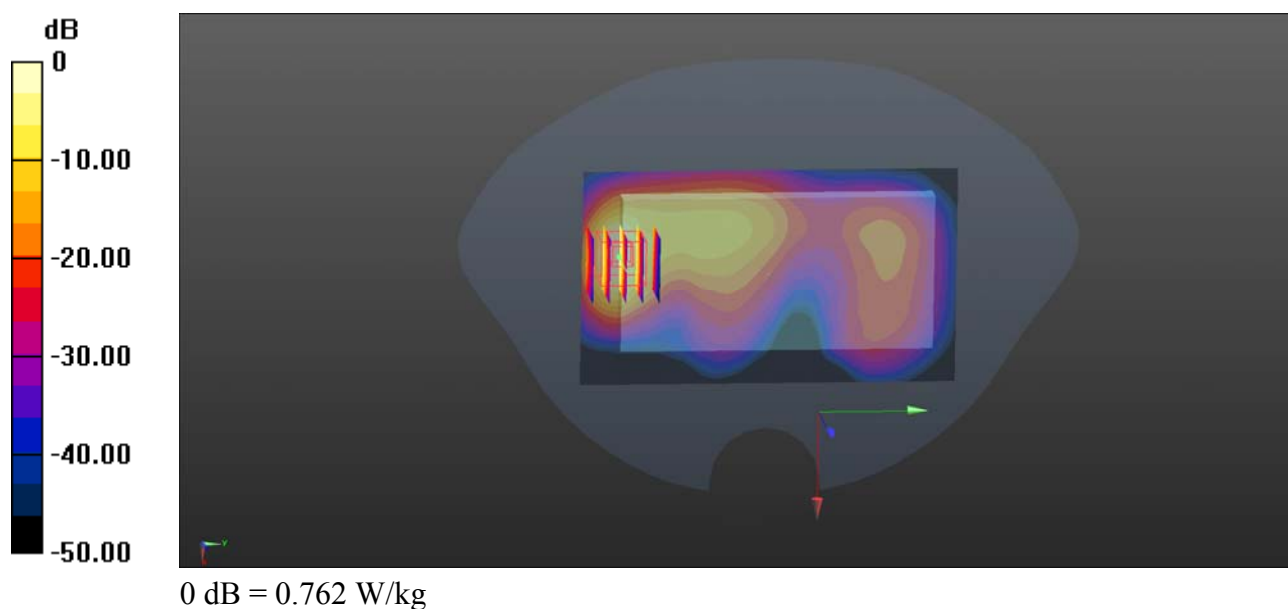
Communication System: UID 0, UMTS-FDD (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: MSL_1900_181024 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.478$ S/m; $\epsilon_r = 52.57$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.56, 7.56, 7.56); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9262/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.762 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.425 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.326 W/kg
Maximum value of SAR (measured) = 0.763 W/kg



WCDMA Band V_RMC 12.2Kbps_Front Side_10mm_Ch4233

Communication System: UID 0, UMTS-FDD (0); Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: MSL_835_181024 Medium parameters used: $f = 847$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 54.02$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.69, 9.69, 9.69); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.308 W/kg

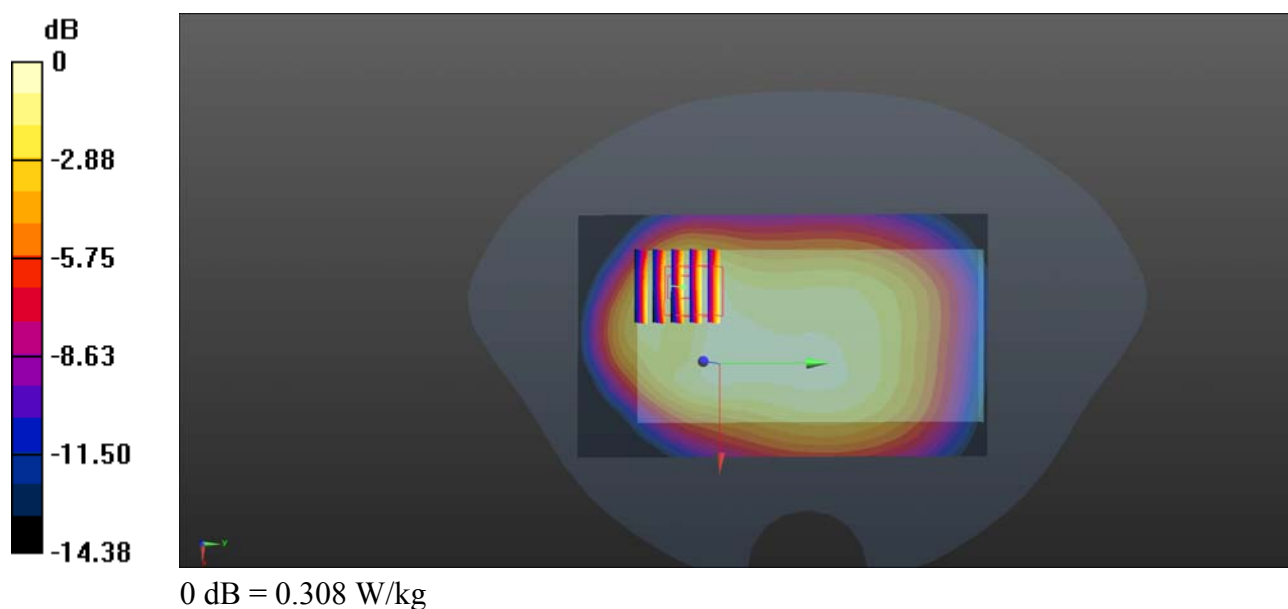
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.28 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.302 W/kg



LTE Band 2_20MHz_QPSK_1RB_0Offset_Front Side_10mm_Ch18700

Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_181024 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ S/m; $\epsilon_r = 52.541$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.56, 7.56, 7.56); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.624 W/kg

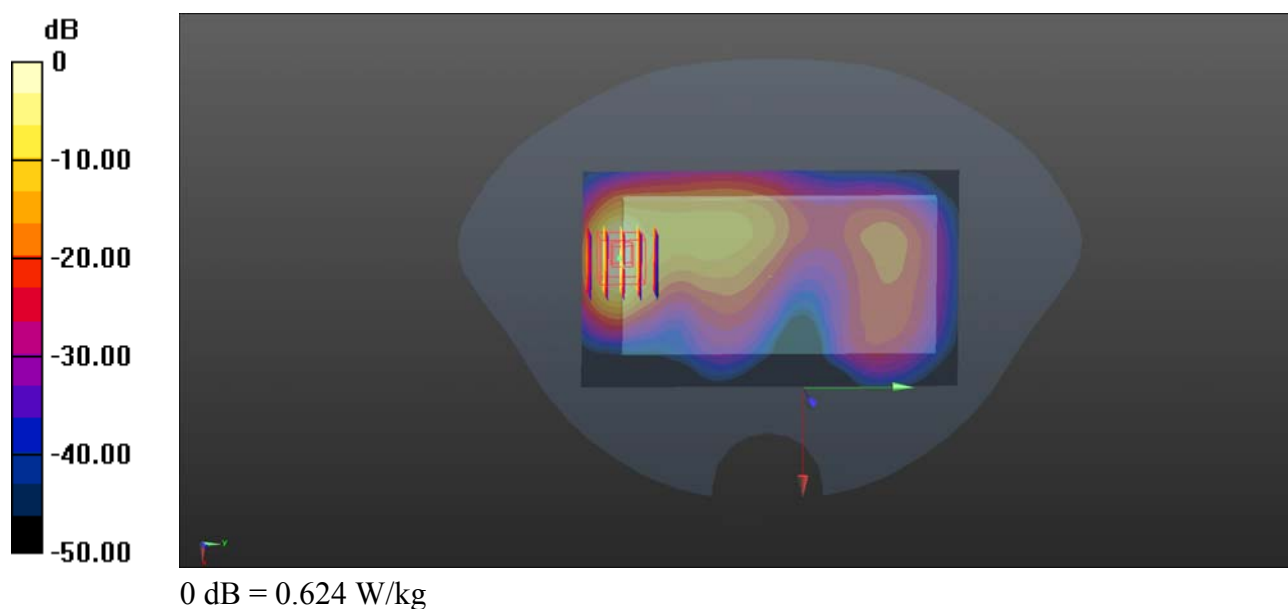
Ch18700/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.119 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.268 W/kg

Maximum value of SAR (measured) = 0.640 W/kg



LTE Band 4_20MHz_QPSK_1RB_0Offset_Front Side_10mm_Ch20300

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

Medium: MSL_1800_181023 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.483$ S/m; $\epsilon_r = 54.095$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.93, 7.93, 7.93); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.686 W/kg

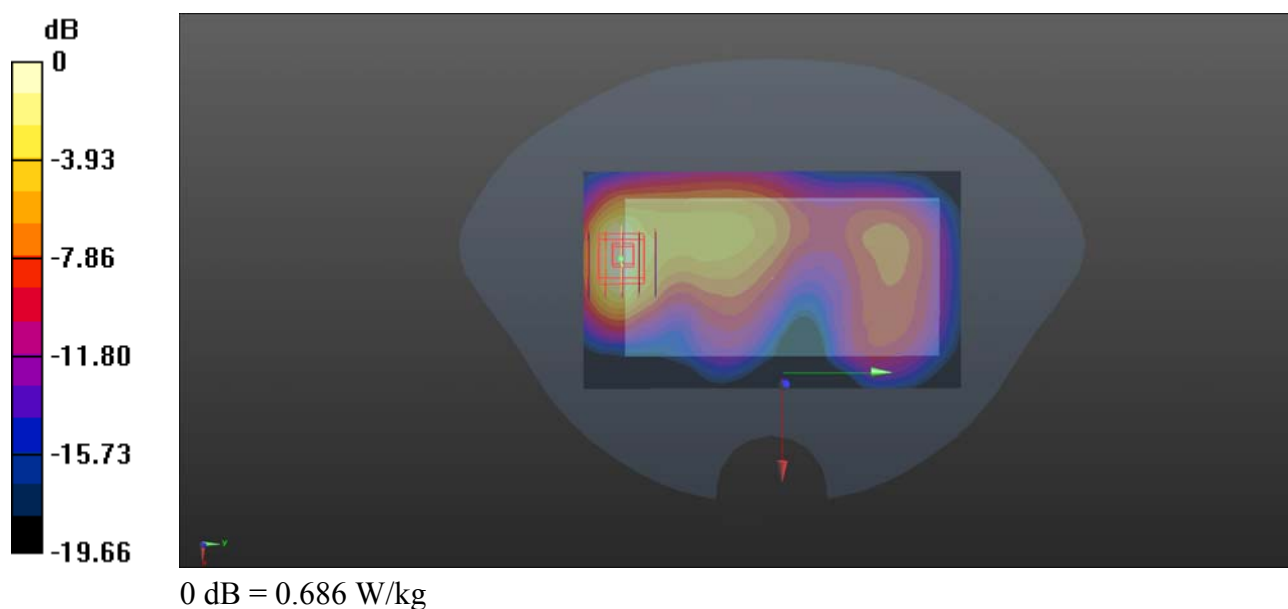
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.419 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.345 W/kg

Maximum value of SAR (measured) = 0.732 W/kg



LTE Band 5_10MHz_QPSK_1RB_0Offset_Front Side_10mm_Ch20600

Communication System: UID 0, LTE (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_835_181024 Medium parameters used: $f = 844$ MHz; $\sigma = 0.946$ S/m; $\epsilon_r = 54.12$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.69, 9.69, 9.69); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

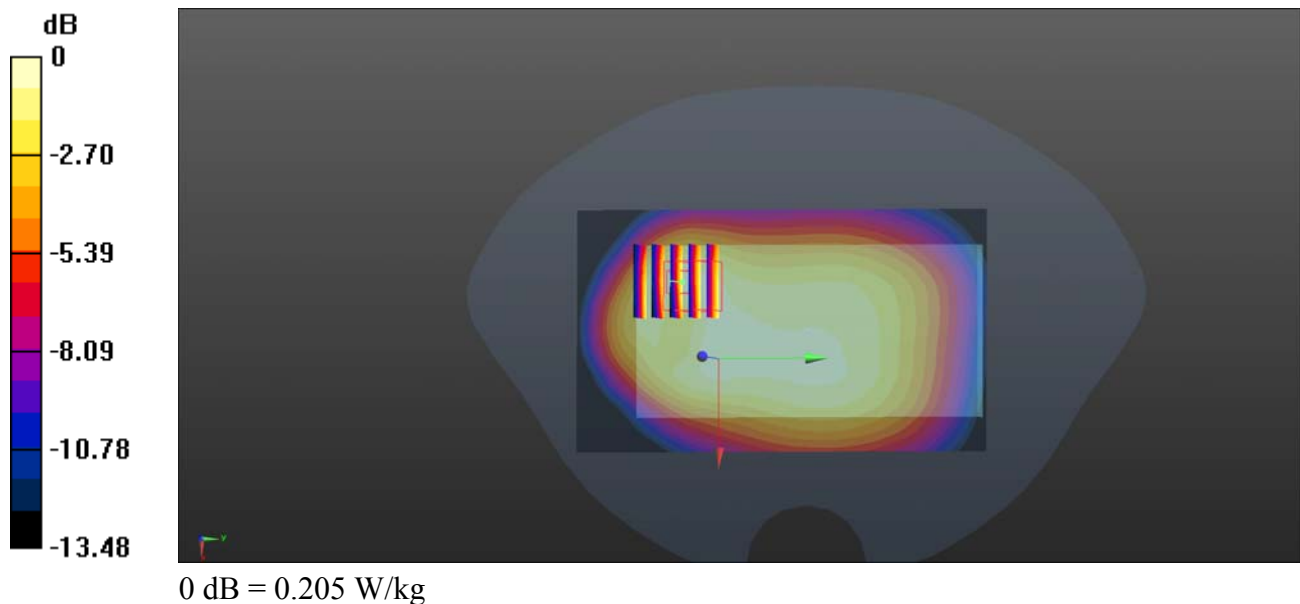
Ch20600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.55 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.203 W/kg



LTE Band 7_20MHz_QPSK_1RB_0Offset_Back Side_10mm_Ch20850

Communication System: UID 0, LTE (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: MSL_2600_181022 Medium parameters used: $f = 2510$ MHz; $\sigma = 2.078$ S/m; $\epsilon_r = 51.267$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(6.96, 6.96, 6.96); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.422 W/kg

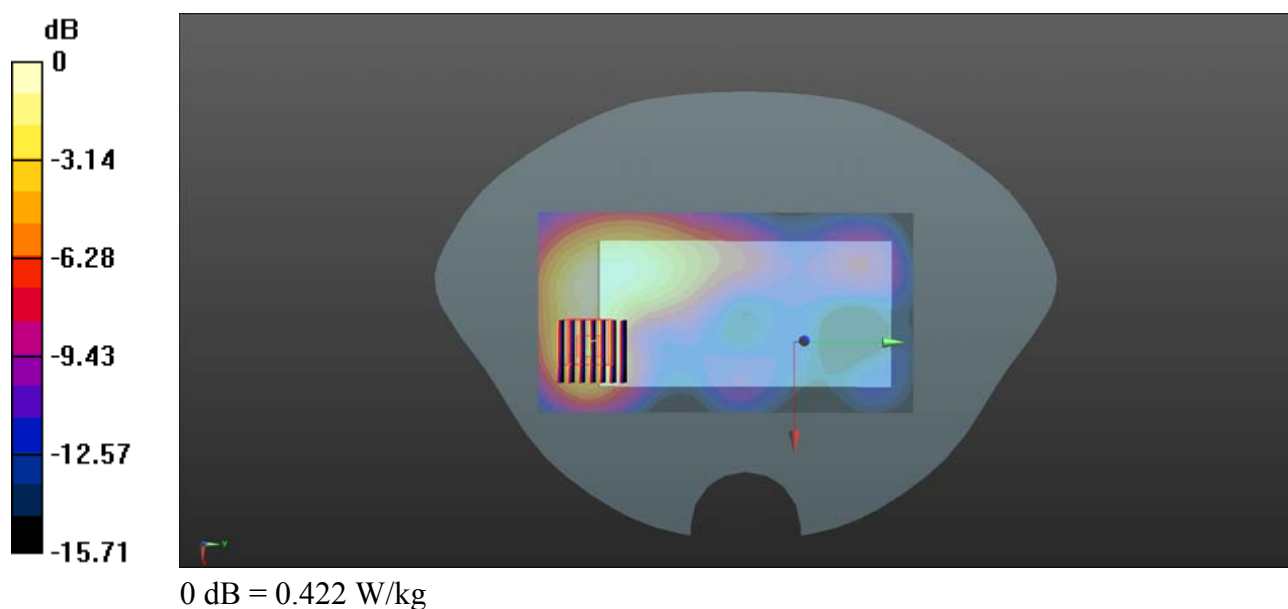
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.717 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.861 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.407 W/kg



WLAN 2.4GHz_802.11b 1Mbps_Back Side_10mm_Ch6

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: MSL_2450_181219 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.019$ S/m; $\epsilon_r = 50.692$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.15, 7.15, 7.15); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0515 W/kg

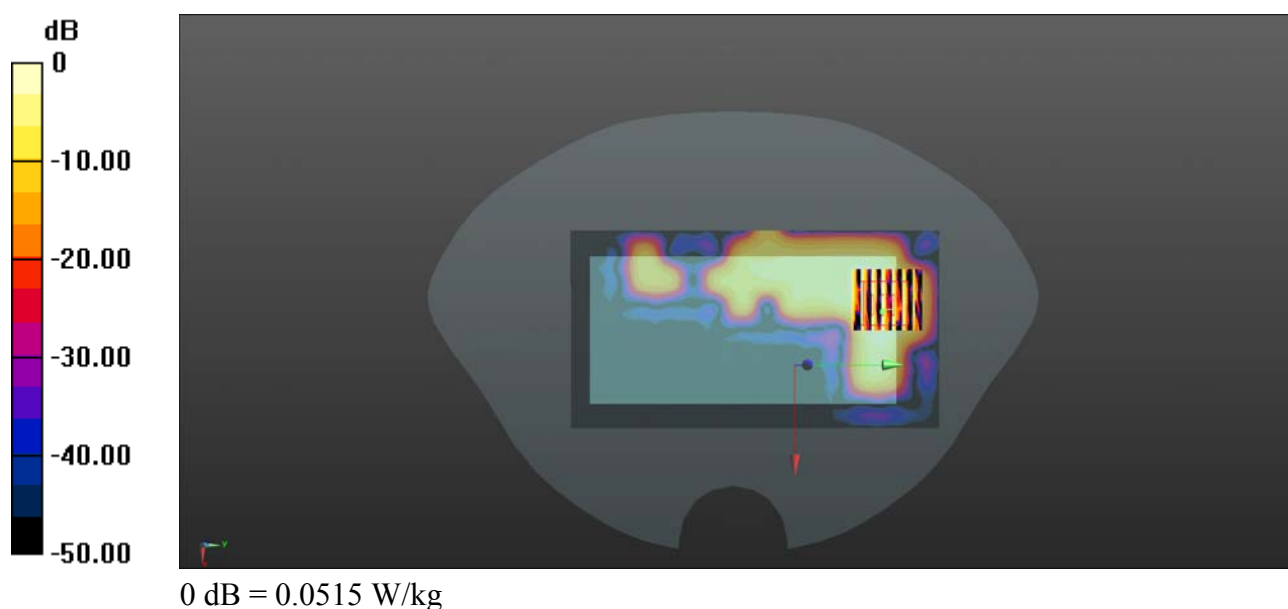
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.6350 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.0730 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0464 W/kg



WLAN 5GHz Band 1_802.11a 6Mbps_Back Side_10mm_Ch36

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5180 MHz; Duty Cycle: 1:1
Medium: MSL_5250_181219 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.347$ S/m; $\epsilon_r = 48.468$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.73, 4.73, 4.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch36/Area Scan (81x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0167 W/kg

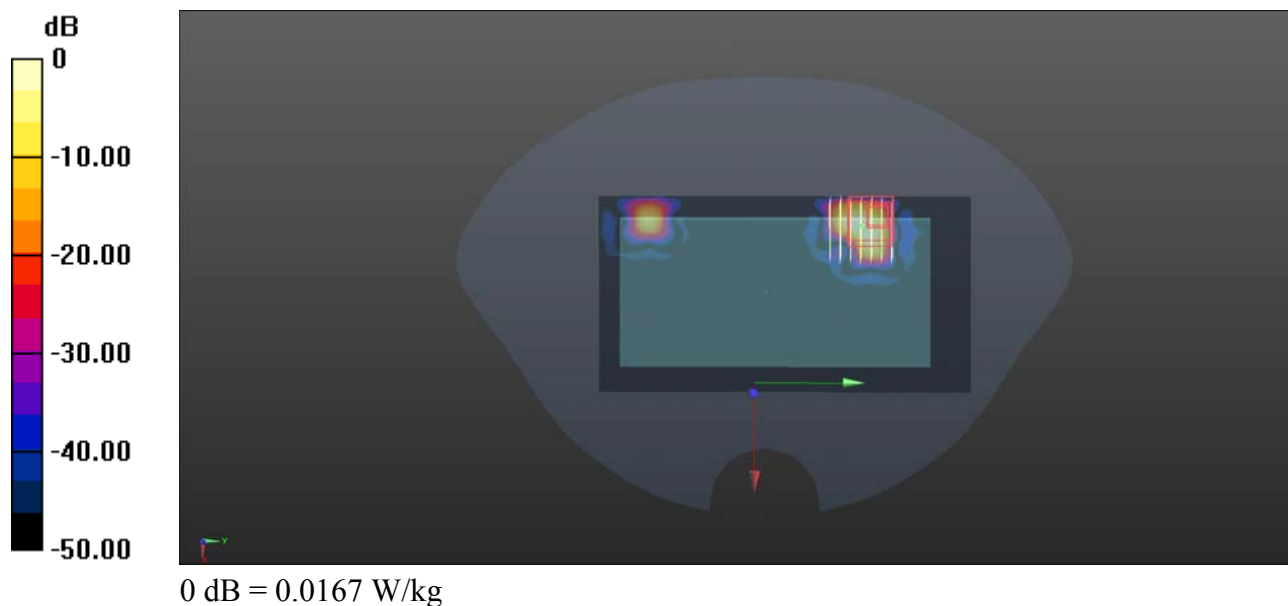
Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0730 W/kg

SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.0221 W/kg



WLAN 5GHz Band 2_802.11a 6Mbps_Back Side_10mm_Ch52

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium: MSL_5250_181219 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.431$ S/m; $\epsilon_r = 48.172$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.73, 4.73, 4.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0224 W/kg

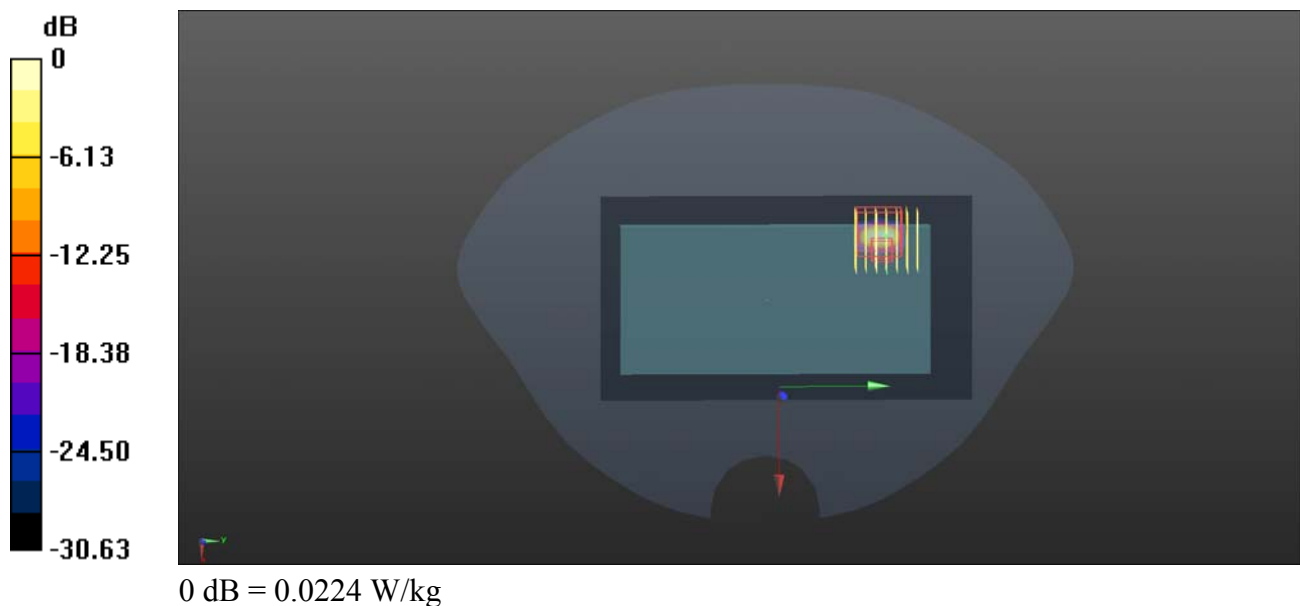
Ch52/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0740 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.0242 W/kg



WLAN 5GHz Band 3_802.11n-HT20MCS0_Back Side_10mm_Ch100

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium: MSL_5600_181219 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.679$ S/m; $\epsilon_r = 47.843$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(3.96, 3.96, 3.96); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.00841 W/kg

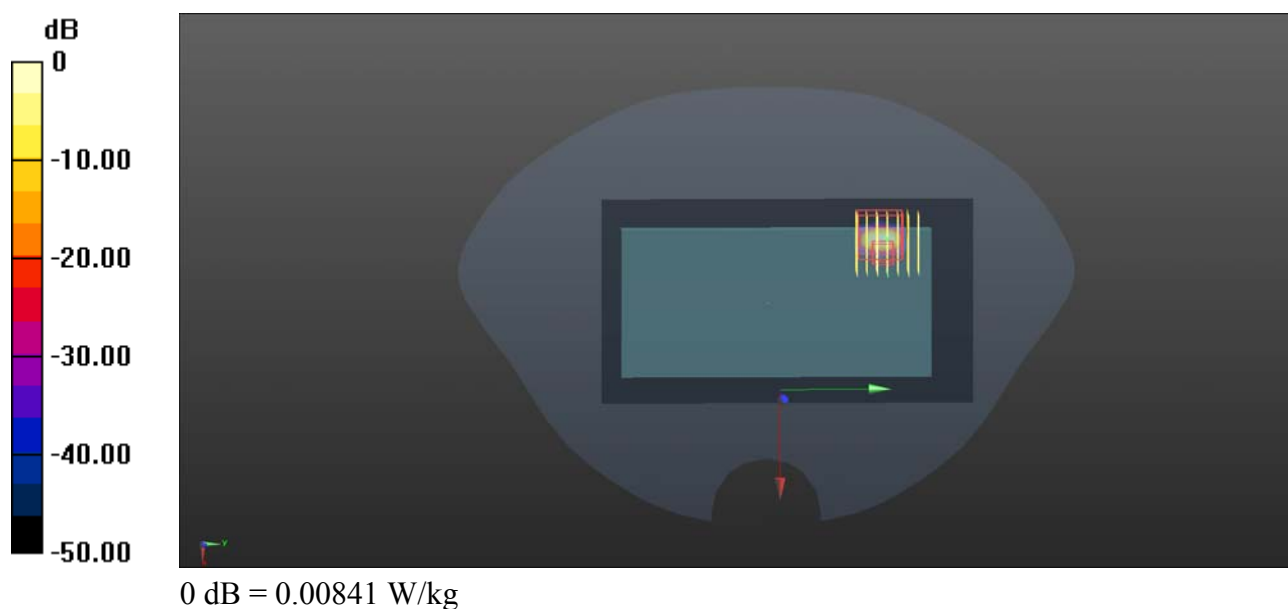
Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0630 W/kg

SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00736 W/kg

Maximum value of SAR (measured) = 0.0221 W/kg



WLAN 5GHz Band 4_802.11a 6Mbps_Back Side_10mm_Ch149

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium: MSL_5750_181219 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.051$ S/m; $\epsilon_r = 47.338$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(3.98, 3.98, 3.98); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.00731 W/kg

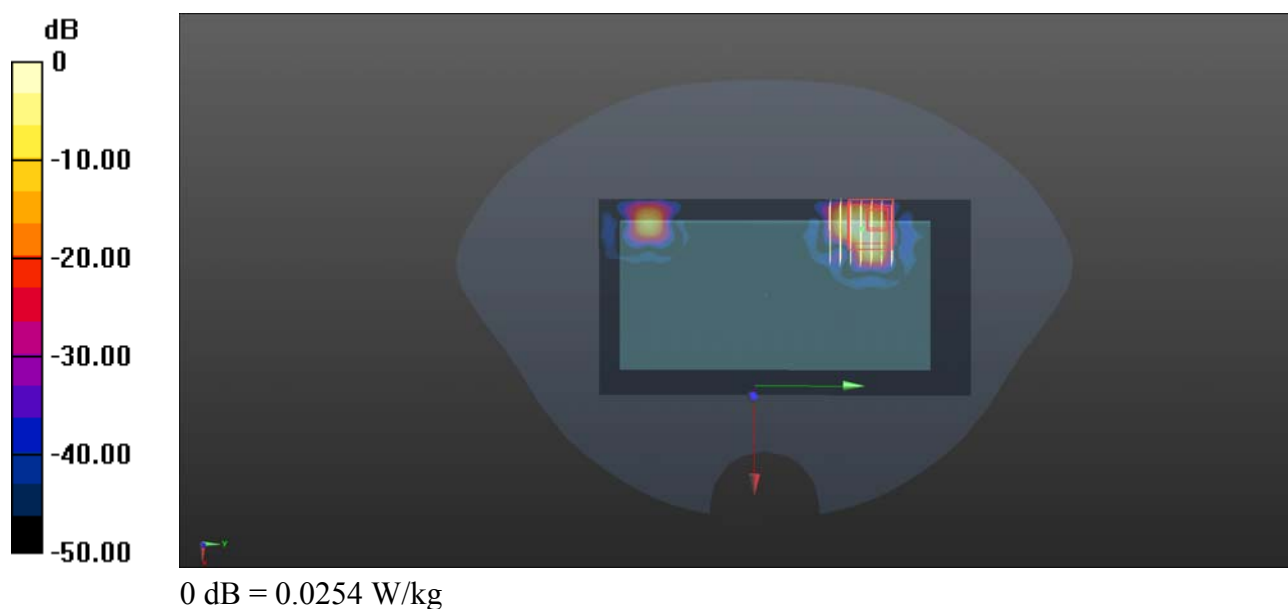
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.7400 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0 W/kg

SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.01 W/kg

Maximum value of SAR (measured) = 0.0254 W/kg



GSM850_GPRS(3 TX slots)_Front Side_10mm_Ch251

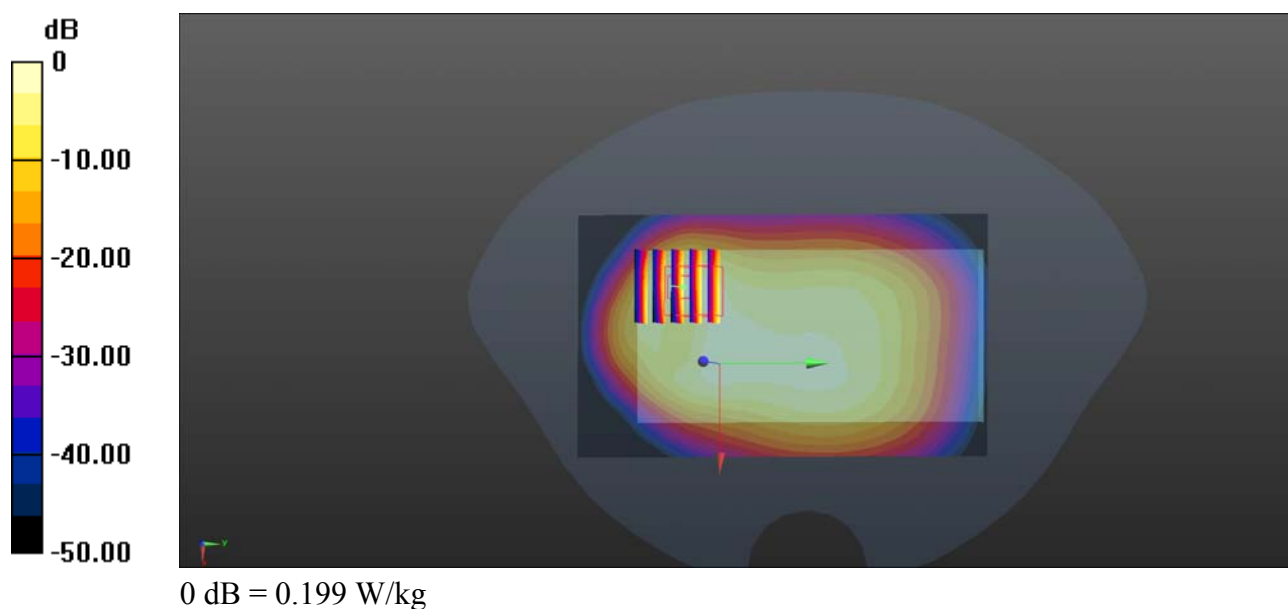
Communication System: UID 0, GSM850(class 11) (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.77
Medium: MSL_835_181024 Medium parameters used: $f = 849$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 53.946$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.69, 9.69, 9.69); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.199 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.60 V/m; Power Drift = 0.02
Peak SAR (extrapolated) = 0.231 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.125 W/kg
Maximum value of SAR (measured) = 0.139 W/kg



GSM1900_GPRS(3 TX slots)_Bottom Side_10mm_Ch661

Communication System: UID 0, PCS1900(class 11) (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium: MSL_1900_181024 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ S/m; $\epsilon_r = 52.468$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.56, 7.56, 7.56); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.15 W/kg

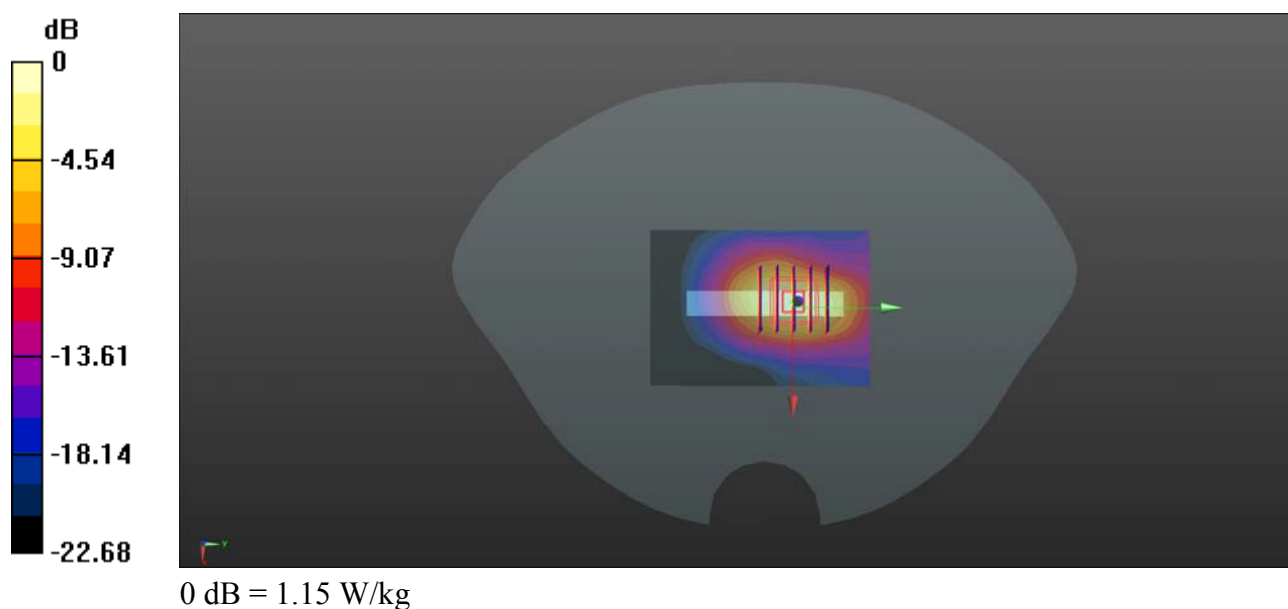
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.48 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.432 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



WCDMA Band II_RMC 12.2Kbps_Bottom Side_10mm_Ch9400

Communication System: UID 0, UMTS-FDD (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_181024 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ S/m; $\epsilon_r = 52.468$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.56, 7.56, 7.56); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

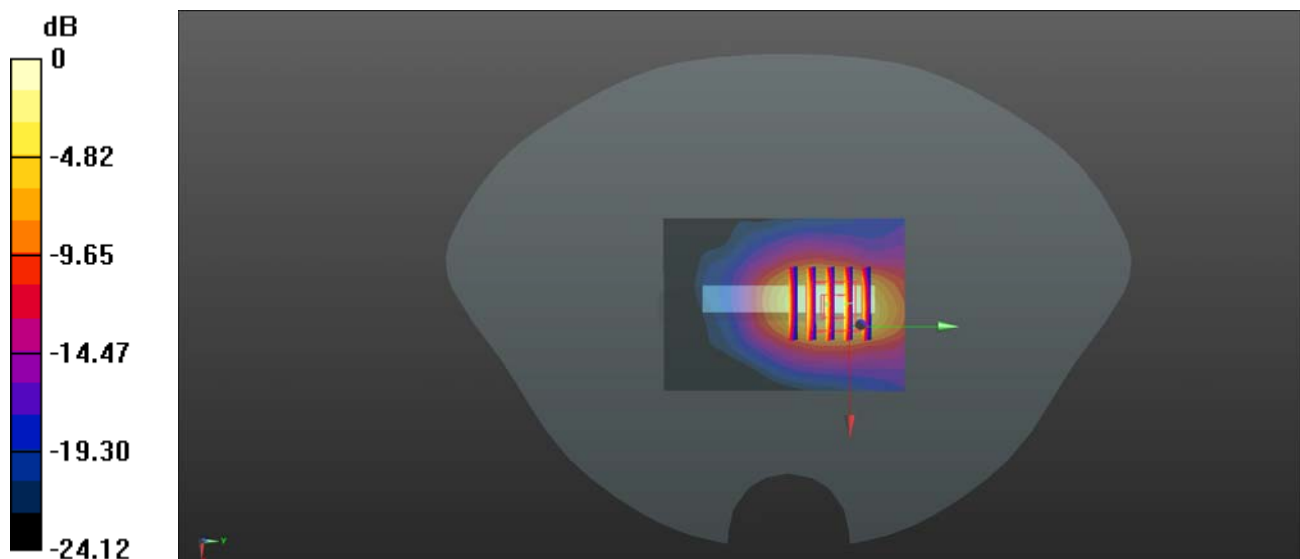
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.22 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.955 W/kg; SAR(10 g) = 0.420 W/kg

Maximum value of SAR (measured) = 0.992 W/kg



0 dB = 1.13 W/kg

WCDMA Band V_RMC 12.2Kbps_Front Side_10mm_Ch4233

Communication System: UID 0, UMTS-FDD (0); Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: MSL_835_181024 Medium parameters used: $f = 847$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 54.02$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.69, 9.69, 9.69); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.308 W/kg

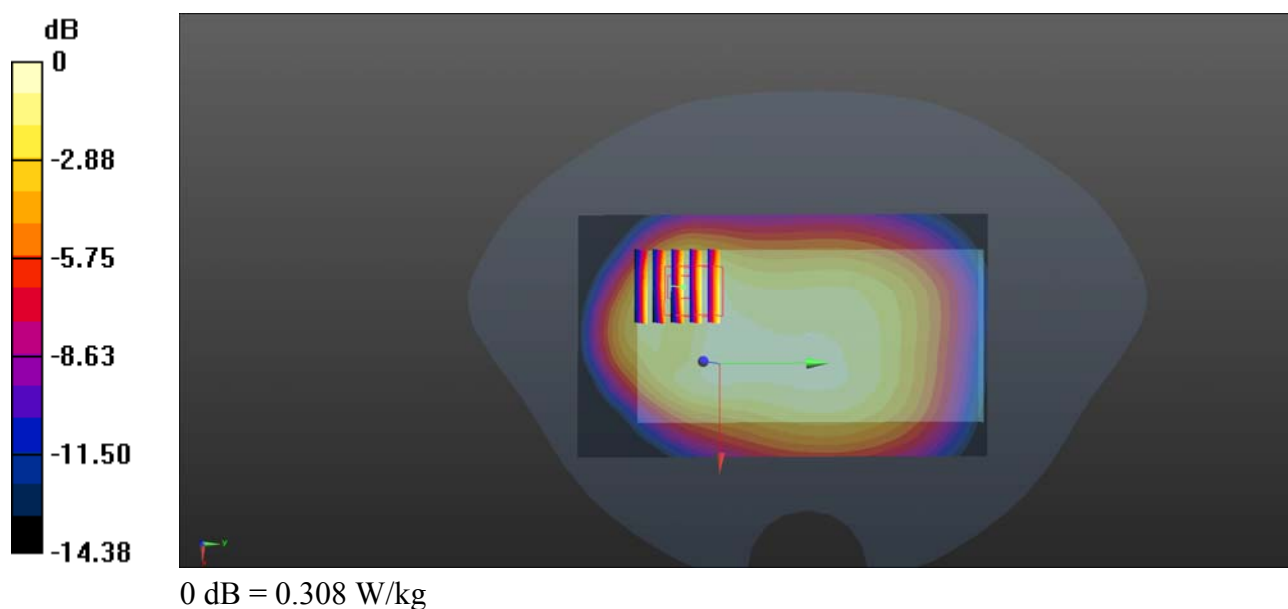
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.28 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.302 W/kg



LTE Band 2_20MHz_QPSK_1RB_0Offset_Bottom Side_10mm_Ch18900

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

Medium: MSL_1900_181024 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ S/m; $\epsilon_r = 52.468$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.56, 7.56, 7.56); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.02 W/kg

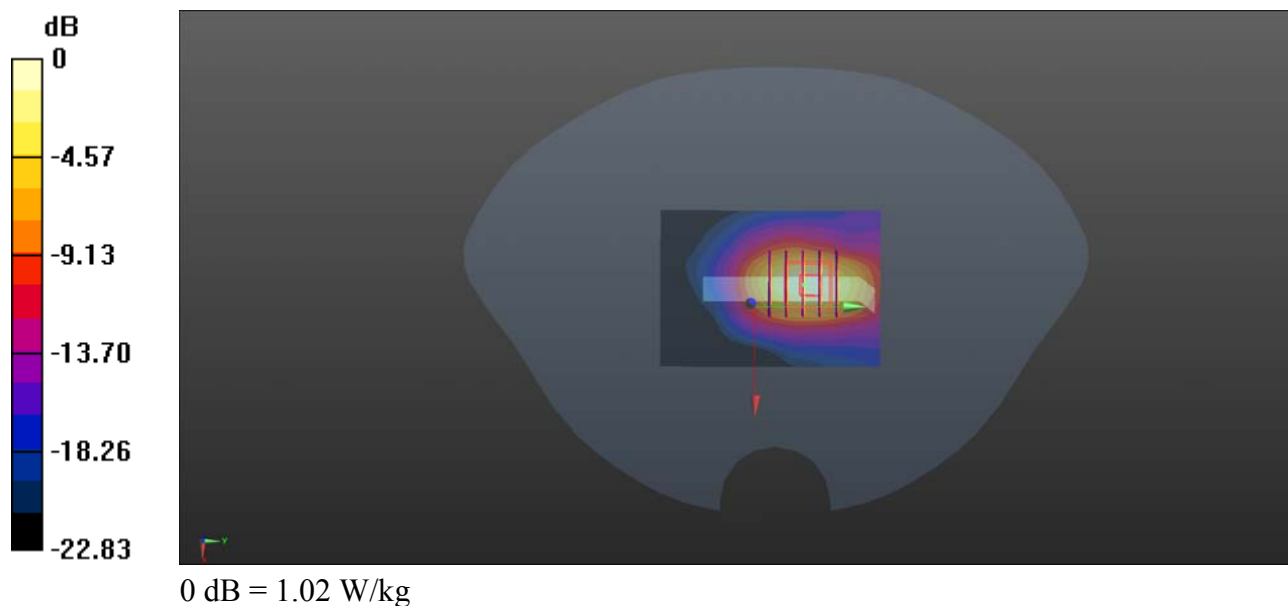
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.22 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.390 W/kg

Maximum value of SAR (measured) = 0.923 W/kg



LTE Band 4_20MHz_QPSK_1RB_0Offset_Bottom Side_10mm_Ch20300

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

Medium: MSL_1800_181023 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.483$ S/m; $\epsilon_r = 54.095$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(7.93, 7.93, 7.93); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.29 W/kg

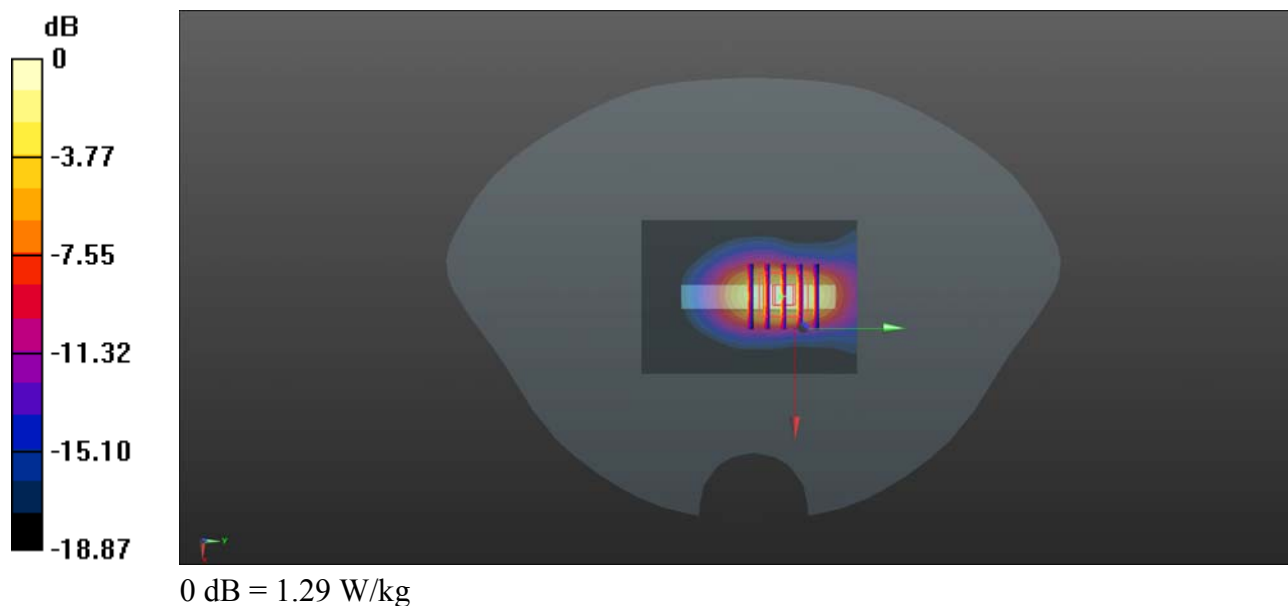
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.87 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.469 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



LTE Band 5_10MHz_QPSK_1RB_0Offset_Front Side_10mm_Ch20600

Communication System: UID 0, LTE (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_835_181024 Medium parameters used: $f = 844$ MHz; $\sigma = 0.946$ S/m; $\epsilon_r = 54.12$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(9.69, 9.69, 9.69); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

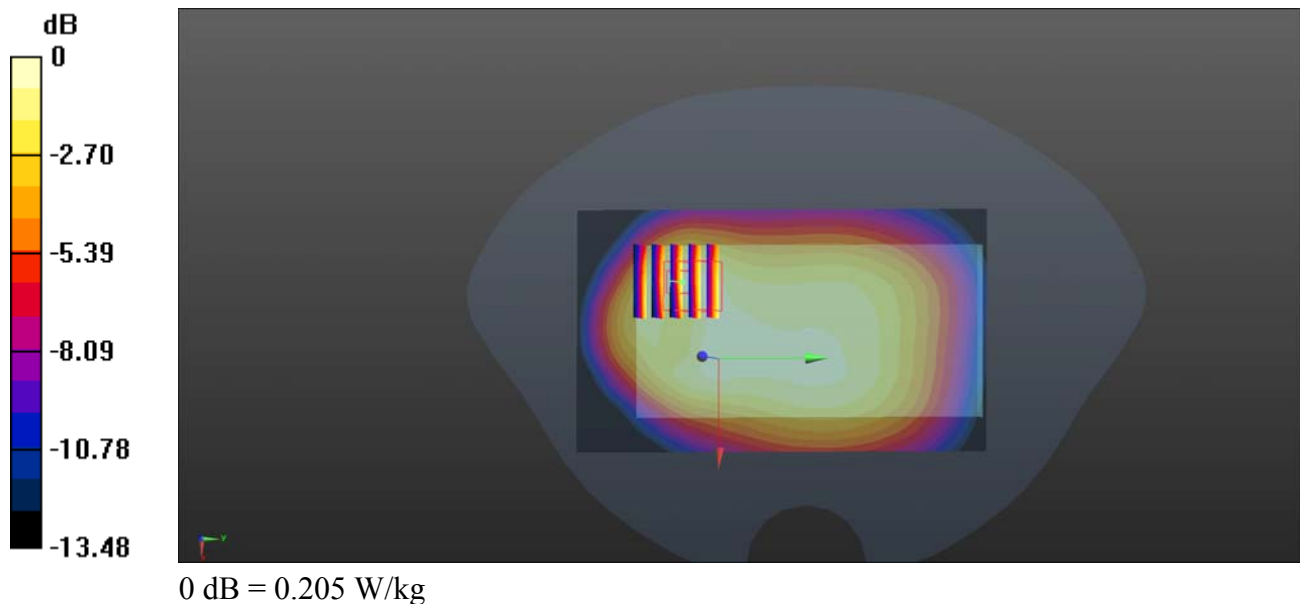
Ch20600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.55 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.203 W/kg



LTE Band 7_20MHz_QPSK_1RB_0Offset_Back Side_10mm_Ch20850

Communication System: UID 0, LTE (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: MSL_2600_181022 Medium parameters used: $f = 2510$ MHz; $\sigma = 2.078$ S/m; $\epsilon_r = 51.267$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(6.96, 6.96, 6.96); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.422 W/kg

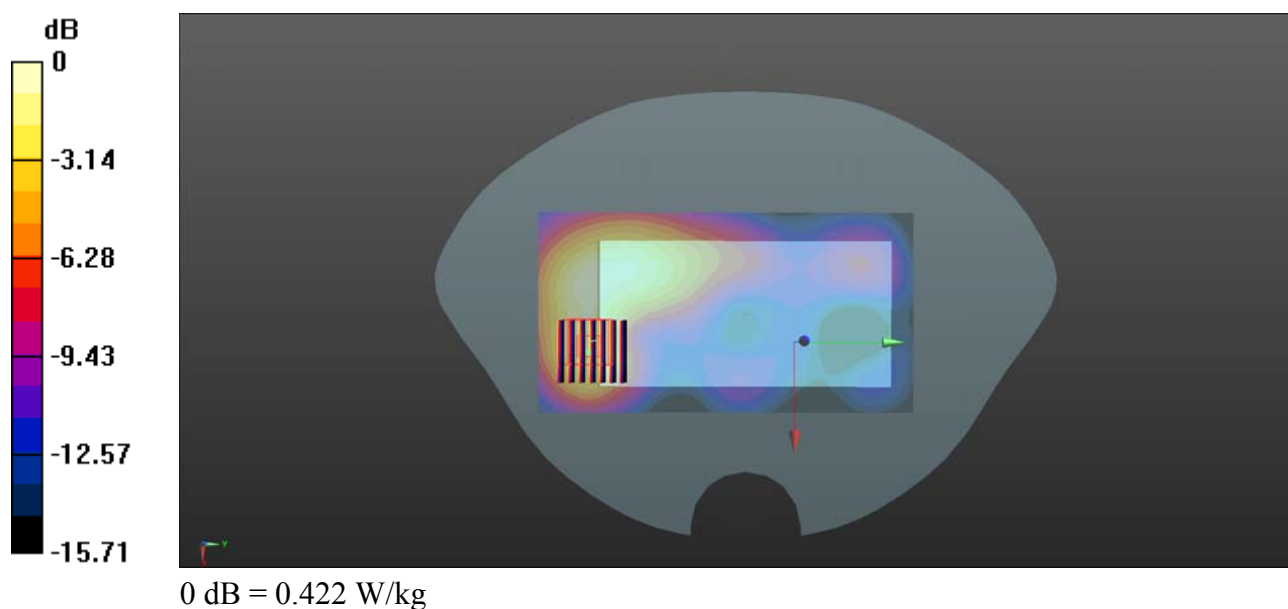
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.717 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.861 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.407 W/kg



WLAN 2.4GHz_802.11b 1Mbps_Back Side_10mm_Ch6

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: MSL_2450_181219 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.019$ S/m; $\epsilon_r = 50.692$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.15, 7.15, 7.15); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0515 W/kg

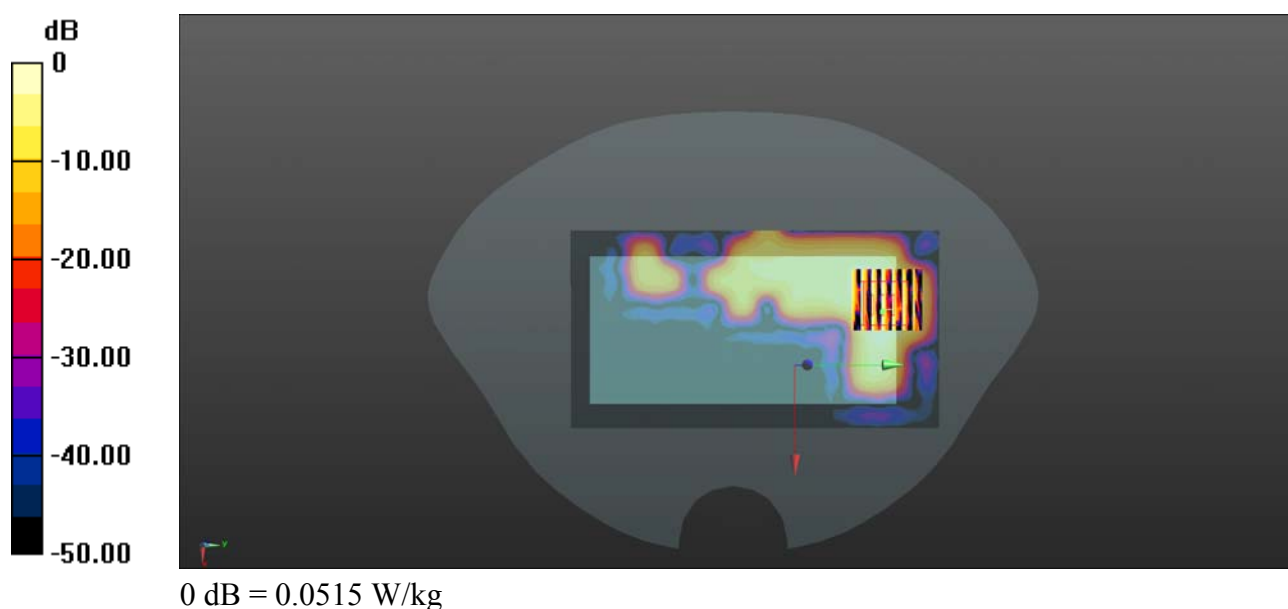
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.6350 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.0730 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0464 W/kg



WLAN 5GHz Band 1_802.11a 6Mbps_Top Side_10mm_Ch36

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5180 MHz; Duty Cycle: 1:1
Medium: MSL_5250_181219 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.347$ S/m; $\epsilon_r = 48.468$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.73, 4.73, 4.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch36/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0389 W/kg

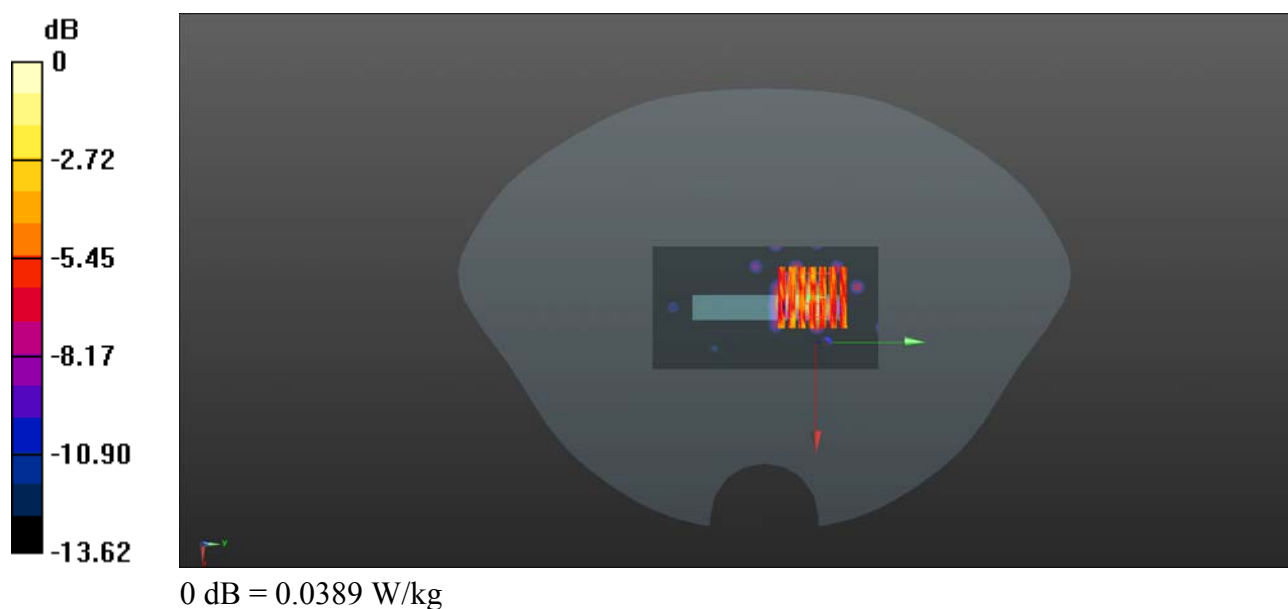
Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9730 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0650 W/kg

SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0239 W/kg



WLAN 5GHz Band 2_802.11a 6Mbps_Top Side_10mm_Ch52

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium: MSL_5200_181219 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.431$ S/m; $\epsilon_r = 48.172$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.73, 4.73, 4.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0404 W/kg

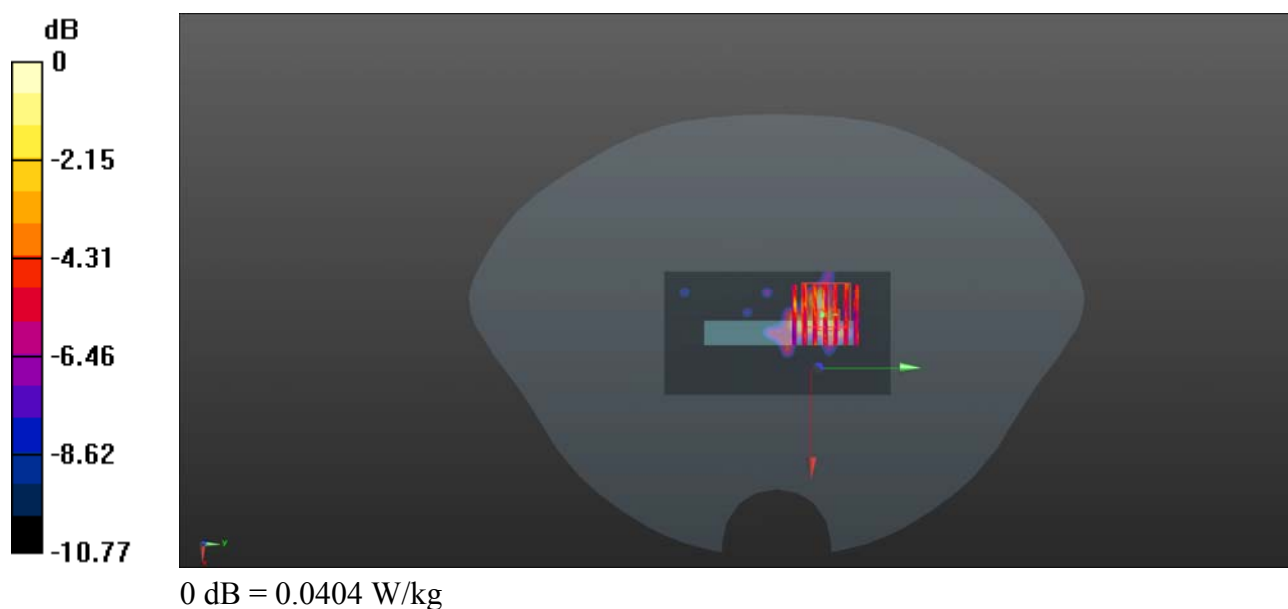
Ch52/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.318 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.131 W/kg

SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.0266 W/kg



WLAN 5GHz Band 3_802.11n-HT20MCS0_Top Side_10mm_Ch100

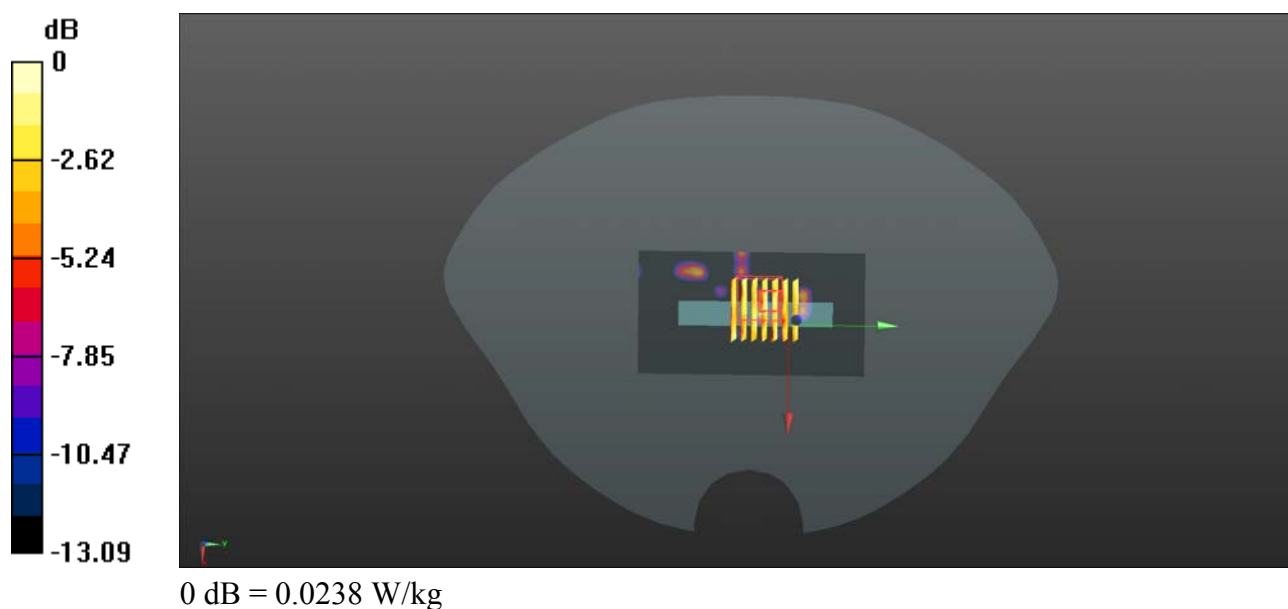
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium: MSL_5600_181219 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.679$ S/m; $\epsilon_r = 47.843$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(3.96, 3.96, 3.96); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0147 W/kg

Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.8280 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0400 W/kg
SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0238 W/kg



WLAN 5GHz Band 4_802.11a 6Mbps_Top Side_10mm_Ch149

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium: MSL_5750_181219 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.051$ S/m; $\epsilon_r = 47.338$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(3.98, 3.98, 3.98); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.00924 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.9170 V/m; Power Drift = 6.98 dB

Peak SAR (extrapolated) = 0.0500 W/kg

SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0312 W/kg

