

28_LTE Band 13_10M_QPSK_1RB_49Offset_Front_5mm_Ch23230

Communication System: UID 0, LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_180418 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ S/m; $\epsilon_r = 53.964$;
 $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(10.52, 10.52, 10.52); Calibrated: 2018.01.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2017.12.19
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 W/kg

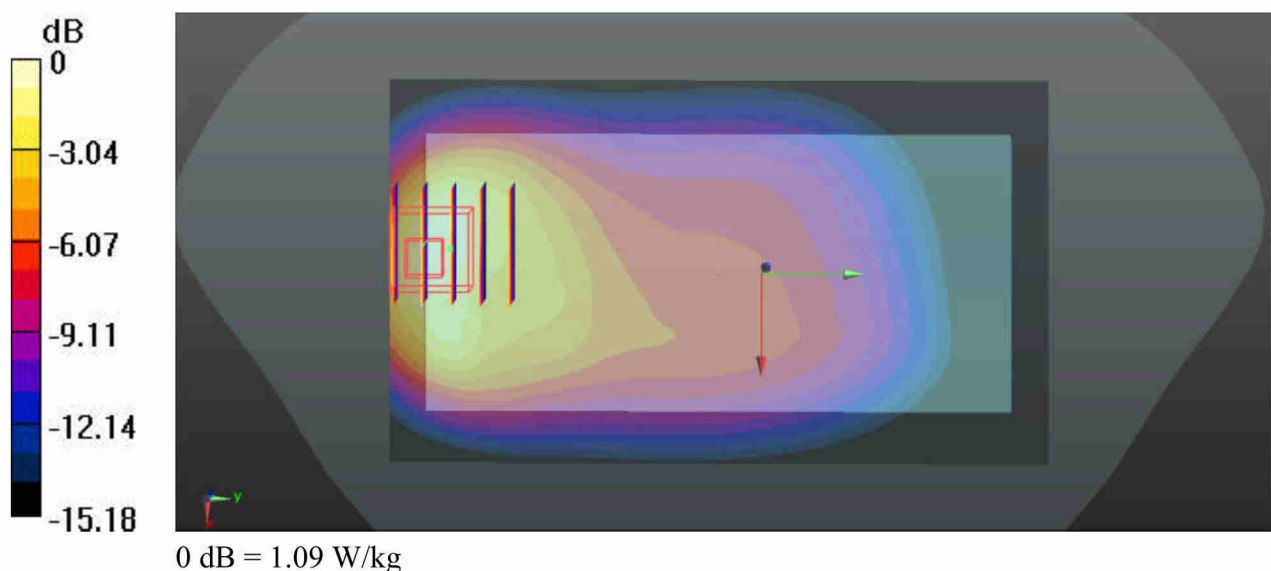
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.064 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.405 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



29_LTE Band 66_20M_QPSK_1RB_99Offset_Bottom Side_5mm_Ch132572

Communication System: UID 0, LTE (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: MSL_1750_180426 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.553$ S/m; $\epsilon_r = 51.943$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(8.61, 8.61, 8.61); Calibrated: 2018.01.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2017.12.19
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (41x71x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.57 W/kg

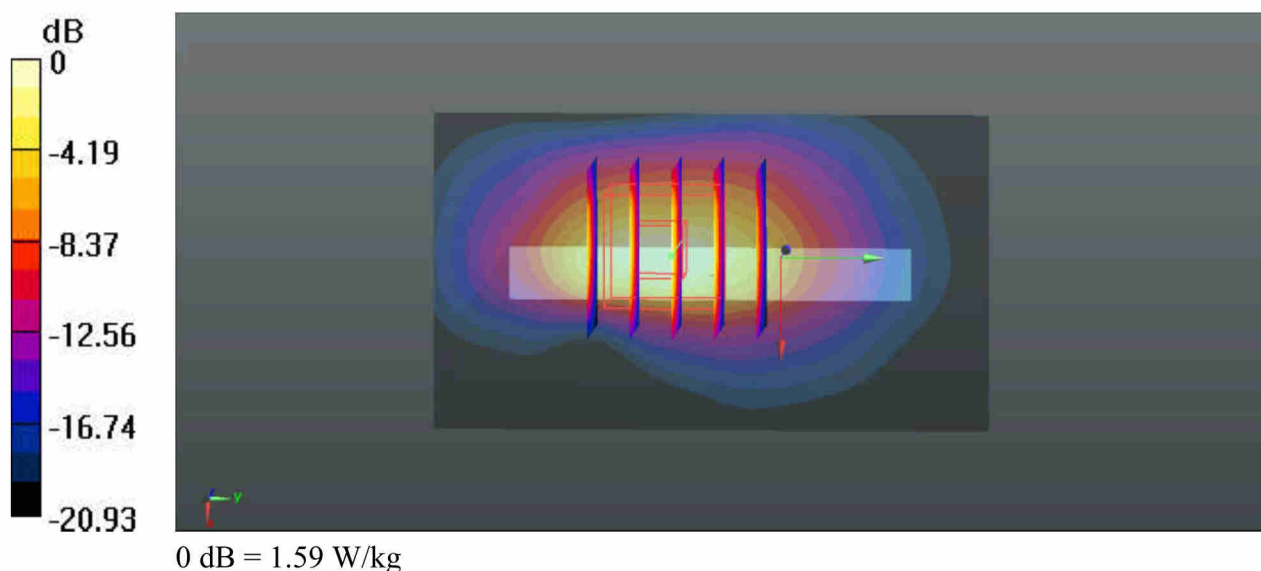
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.391 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.487 W/kg

Maximum value of SAR (measured) = 1.59 W/kg



30_LTE Band 2_20M_QPSK_1RB_99Offset_Bottom Side_5mm_Ch19100

Communication System: UID 0, LTE (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_180426 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.512$ S/m; $\epsilon_r = 53.903$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(8.27, 8.27, 8.27); Calibrated: 2018.01.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2017.12.19
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (41x71x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.50 W/kg

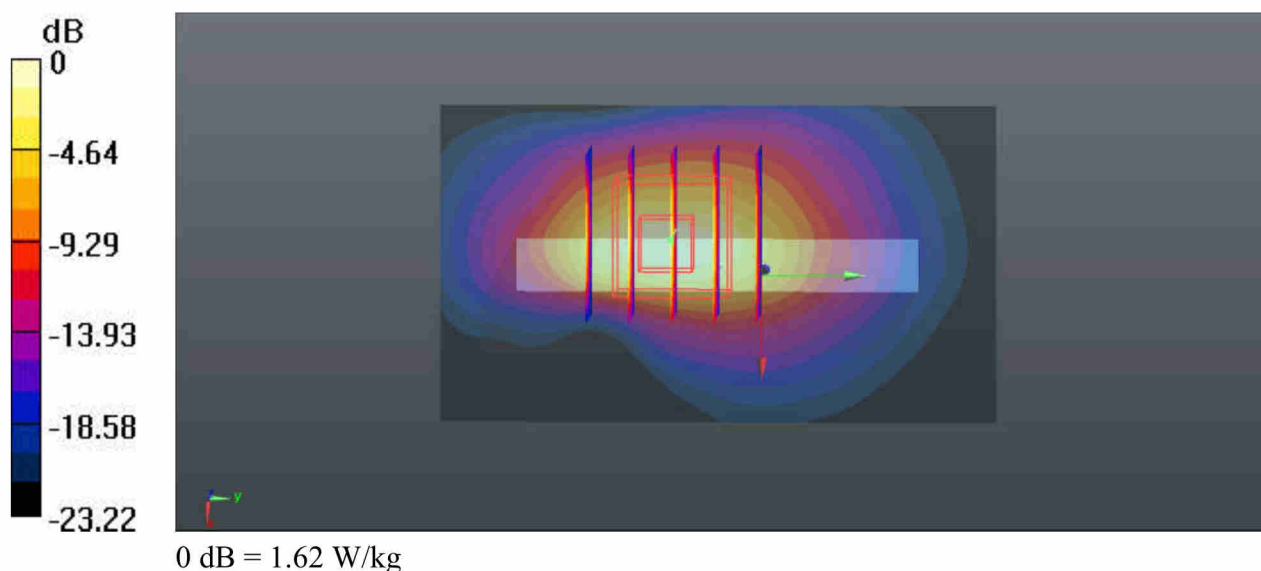
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.969 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.470 W/kg

Maximum value of SAR (measured) = 1.62 W/kg



31_WLAN2.4GHz_802.11b 1Mbps_Back_5mm_Ch6

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1.022

Medium: MSL_2450_180425 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 52.403$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.68, 7.68, 7.68); Calibrated: 2017.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.981 W/kg

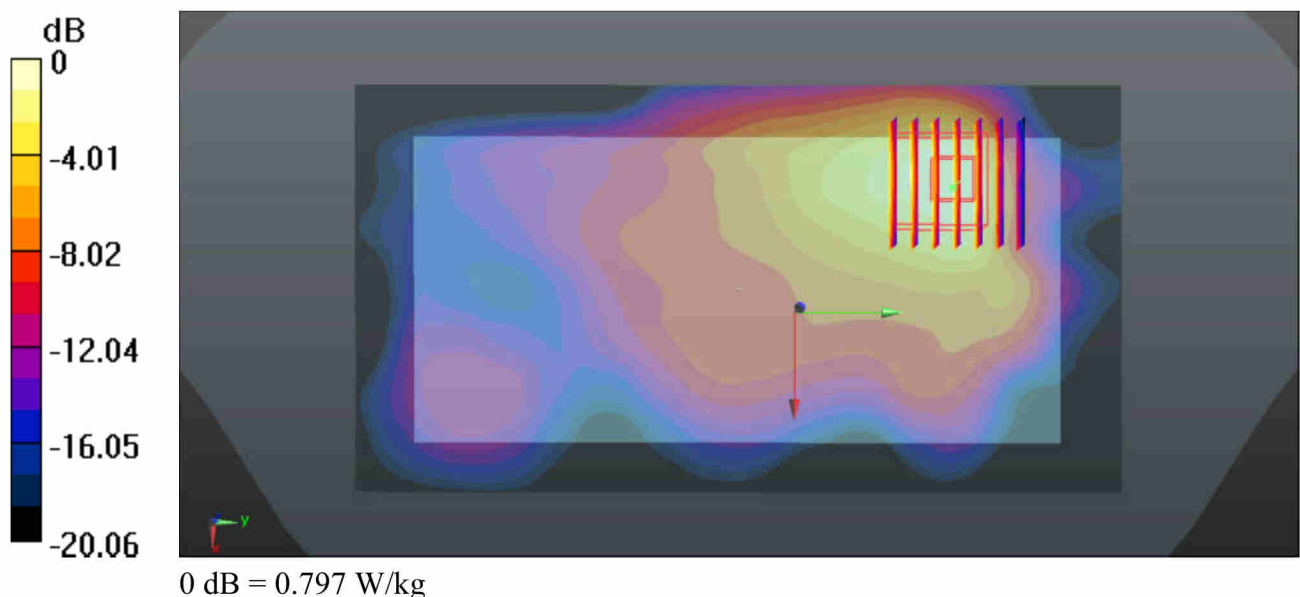
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.119 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.306 W/kg

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



32_WLAN5.2GHz_802.11a_6Mbps_Back_5mm_Ch48

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1.143

Medium: MSL_5250_180425 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.289$ S/m; $\epsilon_r = 50.988$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(4.8, 4.8, 4.8); Calibrated: 2017.11.28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch48/Area Scan (91x181x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.80 W/kg

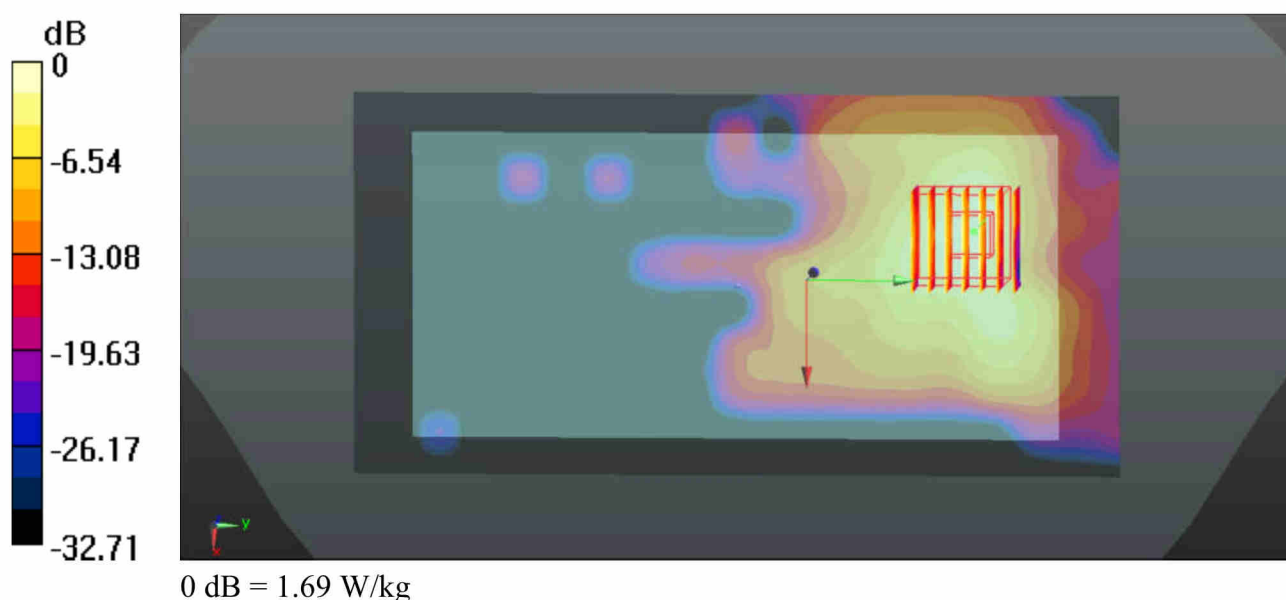
Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.7950 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.65 W/kg

SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.323 W/kg

Maximum value of SAR (measured) = 1.69 W/kg



33_WLAN5.8GHz_802.11a_6Mbps_Back_5mm_Ch157

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1.143

Medium: MSL_5750_180425 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.183$ S/m; $\epsilon_r = 49.883$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(4.23, 4.23, 4.23); Calibrated: 2017.11.28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/Area Scan (91x181x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.77 W/kg

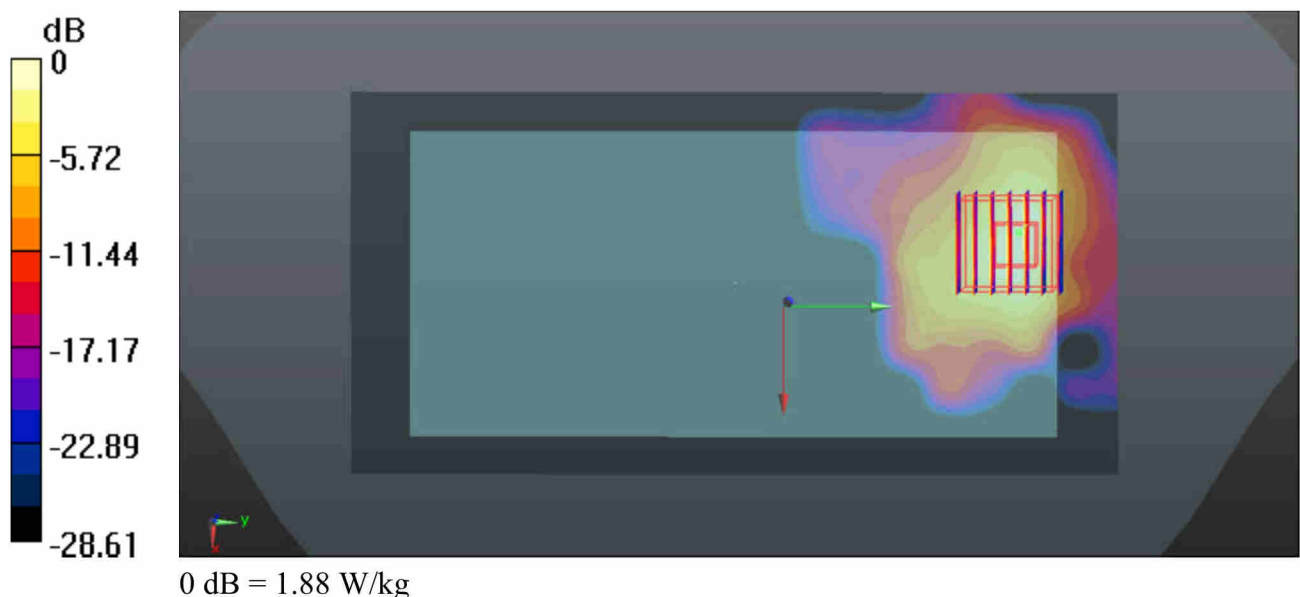
Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.8030 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 0.804 W/kg; SAR(10 g) = 0.257 W/kg

Maximum value of SAR (measured) = 1.88 W/kg



34_Bluetooth_1Mbps_Back_5mm_Ch39

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:303

Medium: MSL_2450_180425 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.978$ S/m; $\epsilon_r = 52.377$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.68, 7.68, 7.68); Calibrated: 2017.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.144 W/kg

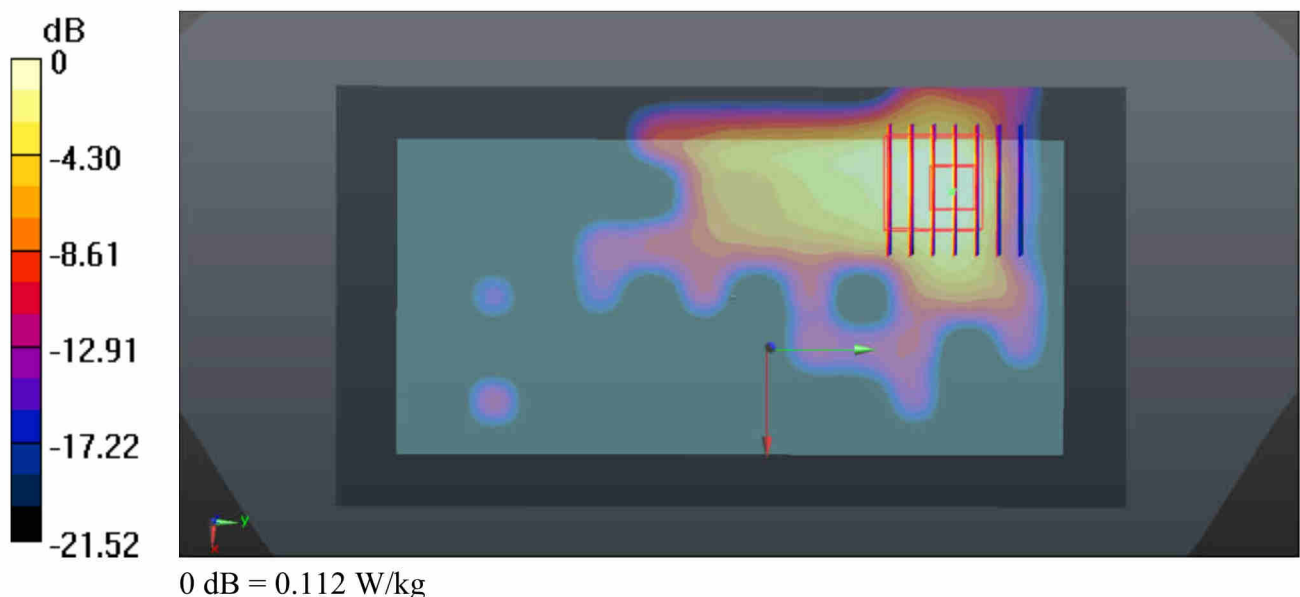
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.129 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.038 W/kg

Maximum value of SAR (measured) = 0.112 W/kg



35_GSM850_GPRS(4 Tx slots)_Front_5mm_Ch251

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.08
Medium: MSL_835_180417 Medium parameters used: $f = 848.8$ MHz; $\sigma = 1.018$ S/m; $\epsilon_r = 53.954$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(10.19, 10.19, 10.19); Calibrated: 2018.01.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2017.12.19
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.08 W/kg

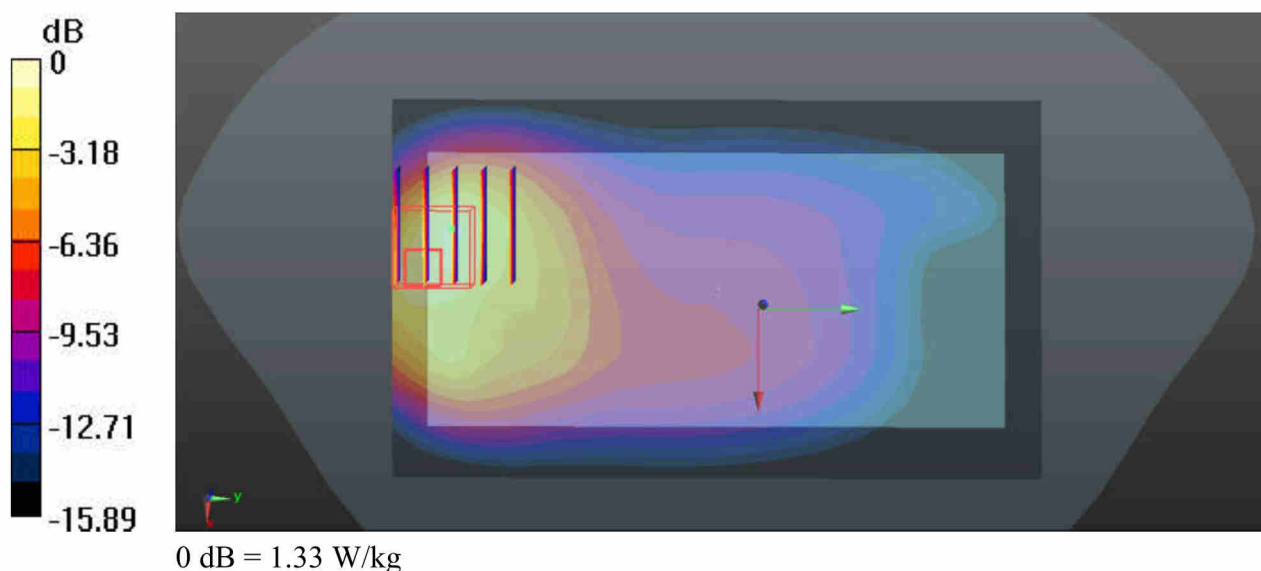
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.158 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.473 W/kg

Maximum value of SAR (measured) = 1.33 W/kg



36_GSM1900_GPRS(1 Tx slot)_Front_5mm_Ch661

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium: MSL_1900_180426 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.525$ S/m; $\epsilon_r = 53.834$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.02, 8.02, 8.02); Calibrated: 2017.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.574 W/kg

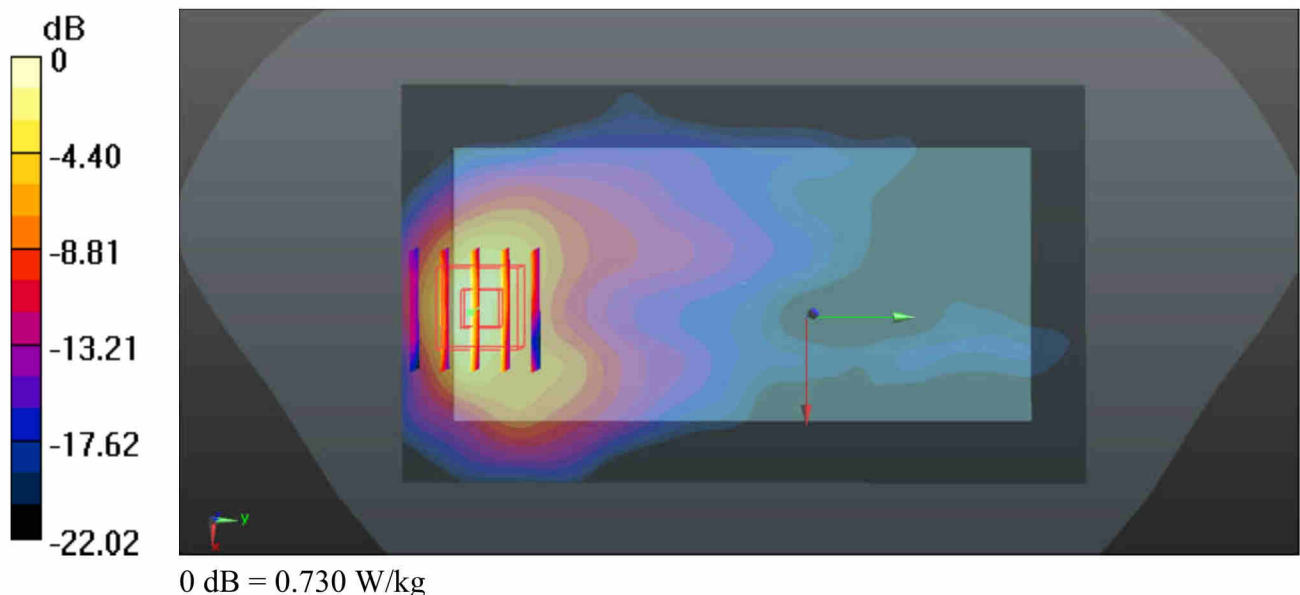
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.9950 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.730 W/kg



37_WCDMA Band V_RMC 12.2Kbps_Front_5mm_Ch4233

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

Medium: MSL_835_180424 Medium parameters used: $f = 846.6$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 54.264$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.09, 10.09, 10.09); Calibrated: 2017.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.27 W/kg

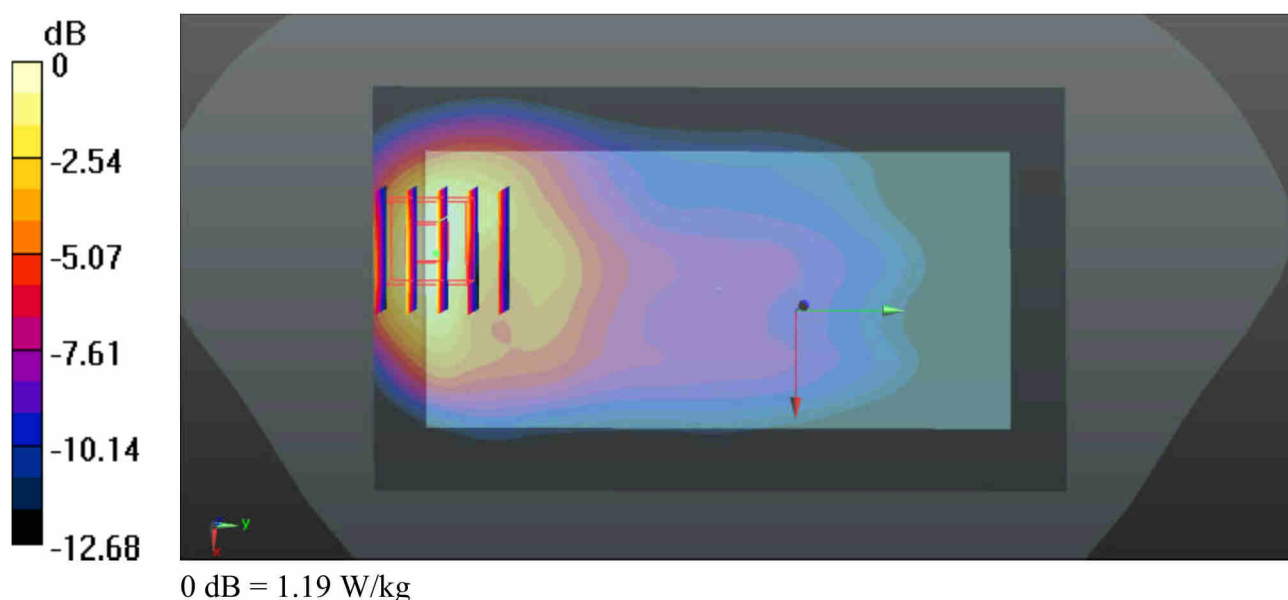
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.680 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.480 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



38_WCDMA Band IV_RMC 12.2Kbps_Front_5mm_Ch1312

Communication System: UID 0, UMTS (0); Frequency: 1712.4 MHz; Duty Cycle: 1:1
Medium: MSL_1750_180426 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.486$ S/m; $\epsilon_r = 52.156$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.28, 8.28, 8.28); Calibrated: 2017.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.681 W/kg

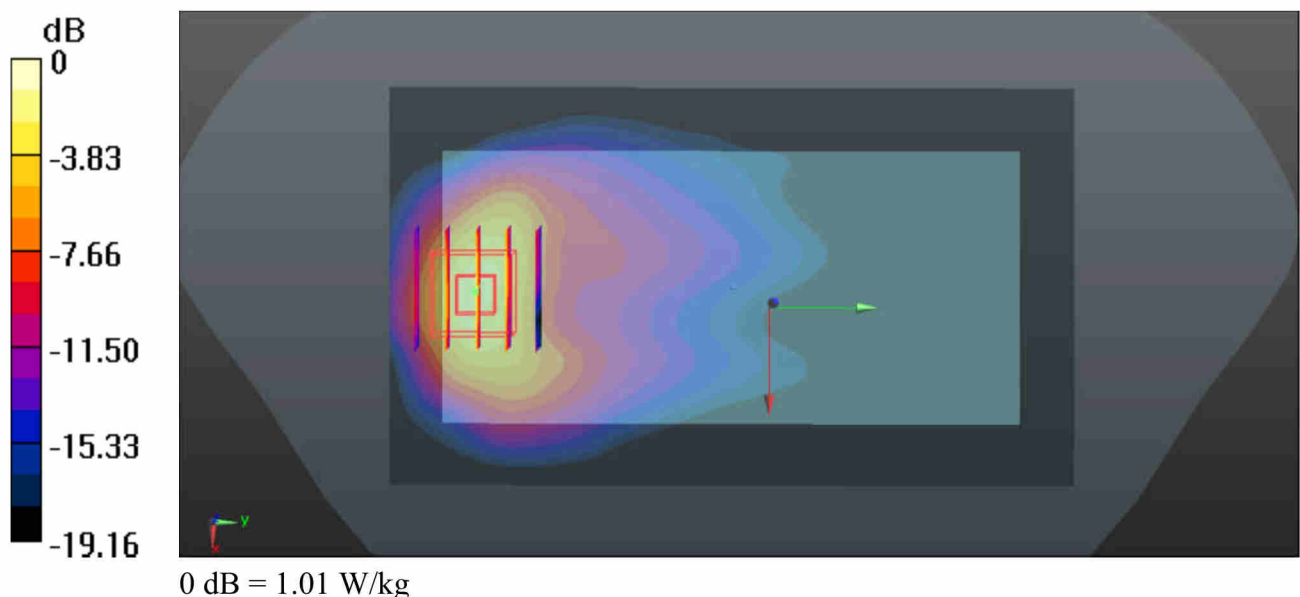
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.103 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



39_WCDMA Band II_RMC 12.2Kbps_Front_5mm_Ch9400

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

Medium: MSL_1900_180426 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.525$ S/m; $\epsilon_r = 53.834$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.02, 8.02, 8.02); Calibrated: 2017.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.623 W/kg

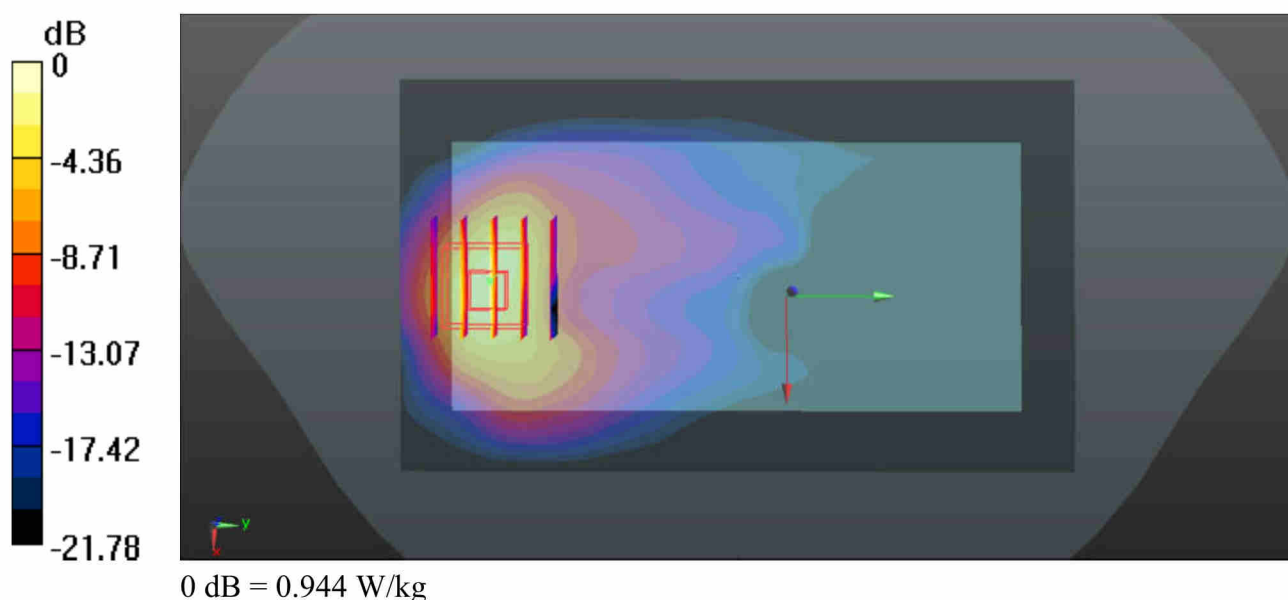
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.8720 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 0.944 W/kg



40_CDMA2000_BC0_RC3 SO32(F+SCH)_Front_5mm_Ch384

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: MSL_835_180424 Medium parameters used: $f = 836.52$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 54.359$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.09, 10.09, 10.09); Calibrated: 2017.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch384/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.847 W/kg

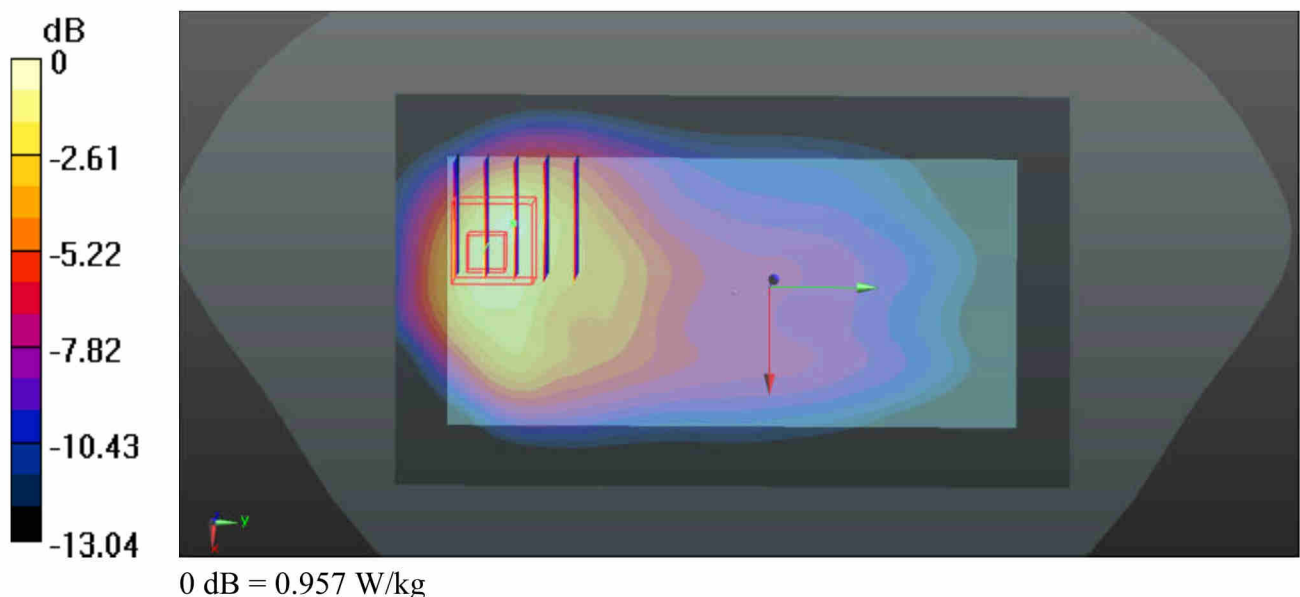
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.204 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.380 W/kg

Maximum value of SAR (measured) = 0.957 W/kg



41_CDMA2000 BC1_RC3 SO32(F+SCH)_Front_5mm_Ch600

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: MSL_1900_180426 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.525$ S/m; $\epsilon_r = 53.834$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.02, 8.02, 8.02); Calibrated: 2017.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch600/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.945 W/kg

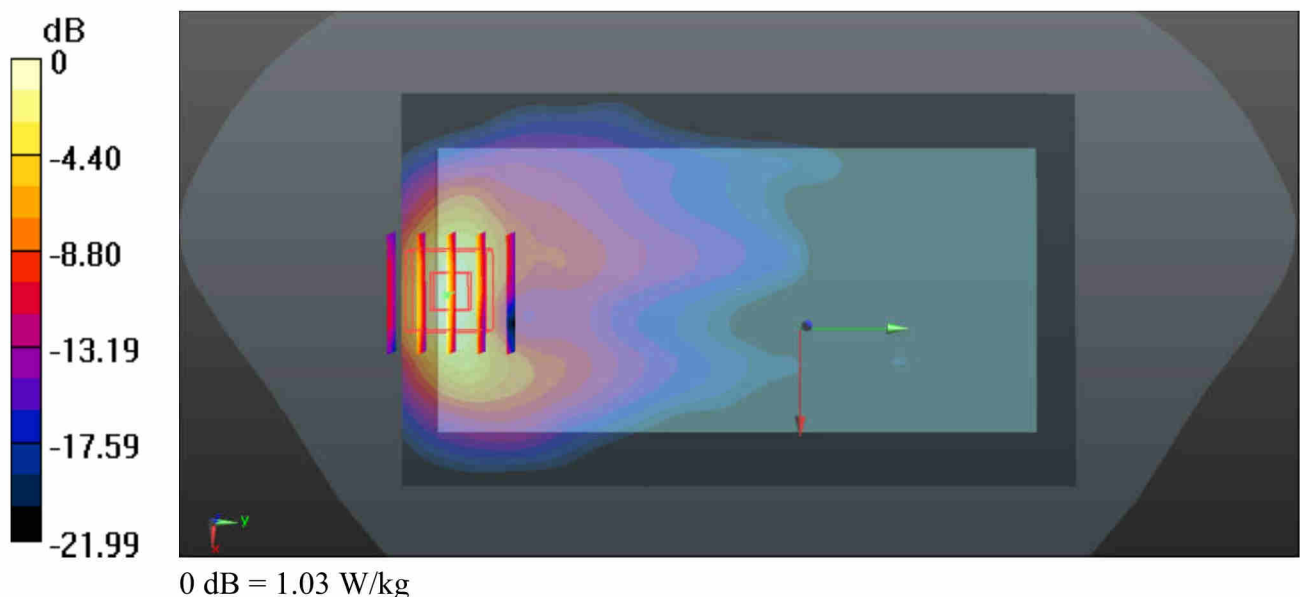
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.9890 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.337 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



42_LTE Band 71_20M_QPSK_1RB_49Offset_Front_5mm_Ch133322

Communication System: UID 0, LTE (0); Frequency: 683 MHz; Duty Cycle: 1:1

Medium: MSL_750_180418 Medium parameters used: $f = 683$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 56.05$;
 $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(10.52, 10.52, 10.52); Calibrated: 2018.01.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2017.12.19
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch133322/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.23 W/kg

Ch133322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.436 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.385 W/kg

Maximum value of SAR (measured) = 1.17 W/kg

