

11_LTE Band 7_20M_QPSK_1RB_0Offset_Right Cheek_0mm_Ch20850

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

Medium: HSL_2600 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.892$ S/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(7.31, 7.31, 7.31); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (91x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.920 W/kg

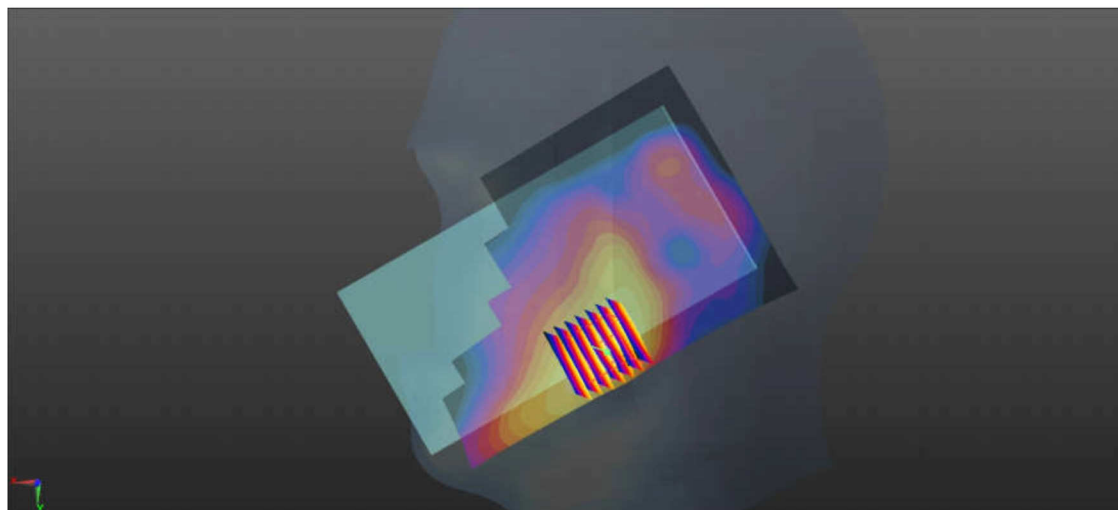
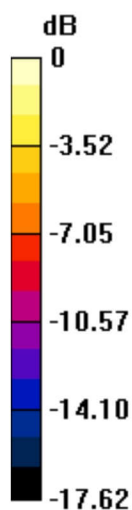
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.304 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.843 W/kg



0 dB = 0.920 W/kg = -0.36 dBW/kg

12_WLAN2.4GHz_802.11b 1Mbps_Right Cheek_0mm_Ch11

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.837$ S/m; $\epsilon_r = 38.289$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(7.49, 7.49, 7.49); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.889 W/kg

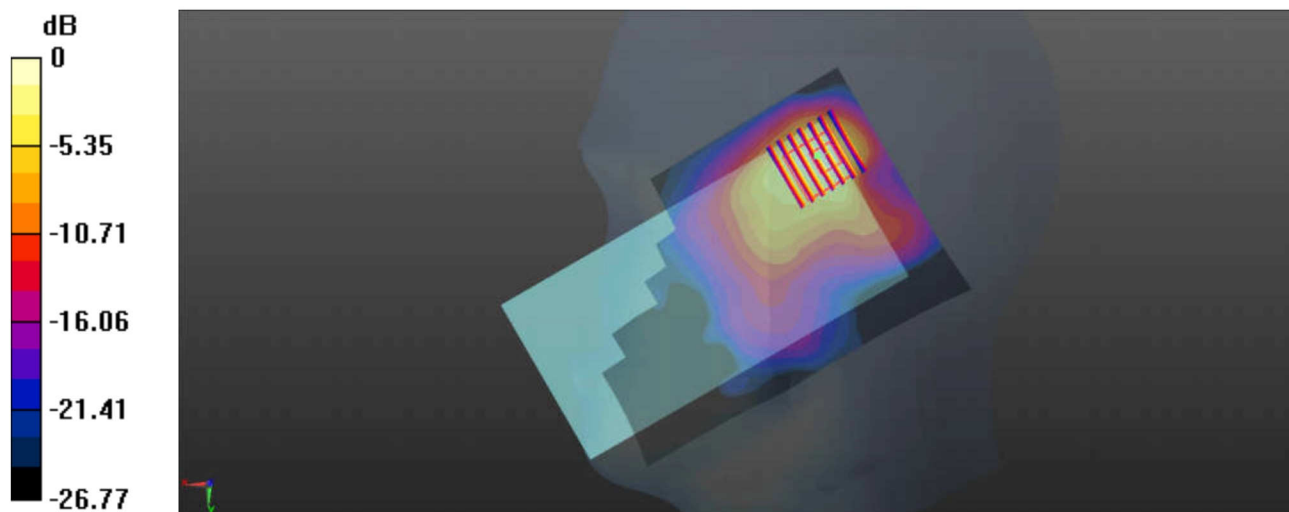
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.438 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.946 W/kg

SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.666 W/kg



0 dB = 0.889 W/kg = -0.51 dBW/kg

13_WLAN5.3GHz_802.11a 6Mbps_Right Cheek_0mm_Ch64

Communication System: UID 0, WIFI (0); Frequency: 5320 MHz; Duty Cycle: 1:1.018

Medium: HSL_5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.926$ S/m; $\epsilon_r = 37$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(5.2, 5.2, 5.2); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch64/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.07 W/kg

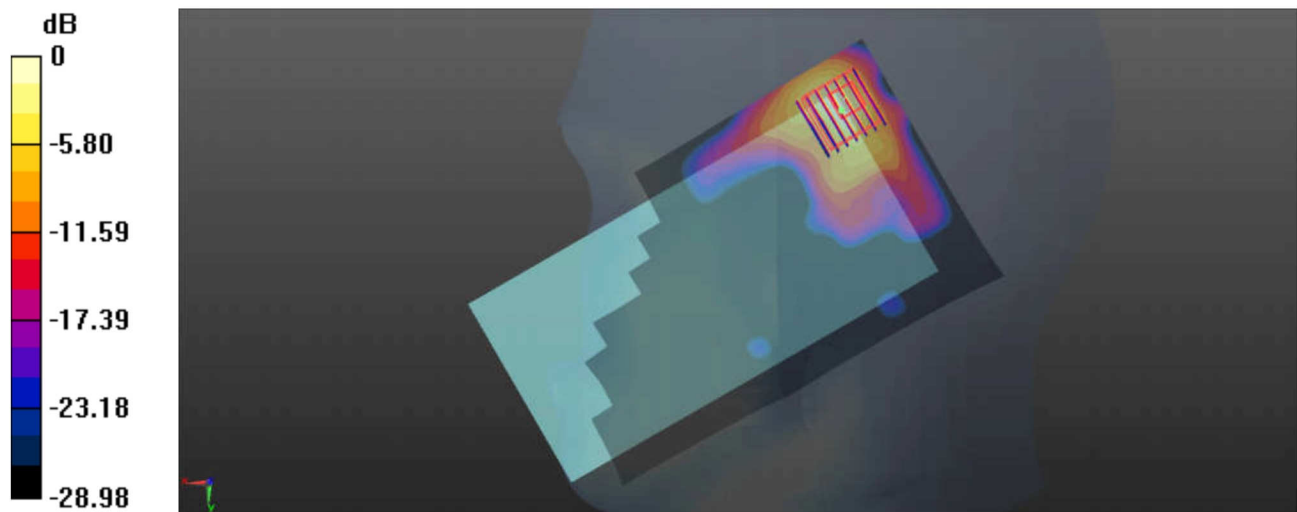
Ch64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.954 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.70 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 2.66 W/kg



0 dB = 2.07 W/kg = 3.16 dBW/kg

14_WLAN5.5GHz_802.11a 6Mbps_Right Cheek_0mm_Ch100

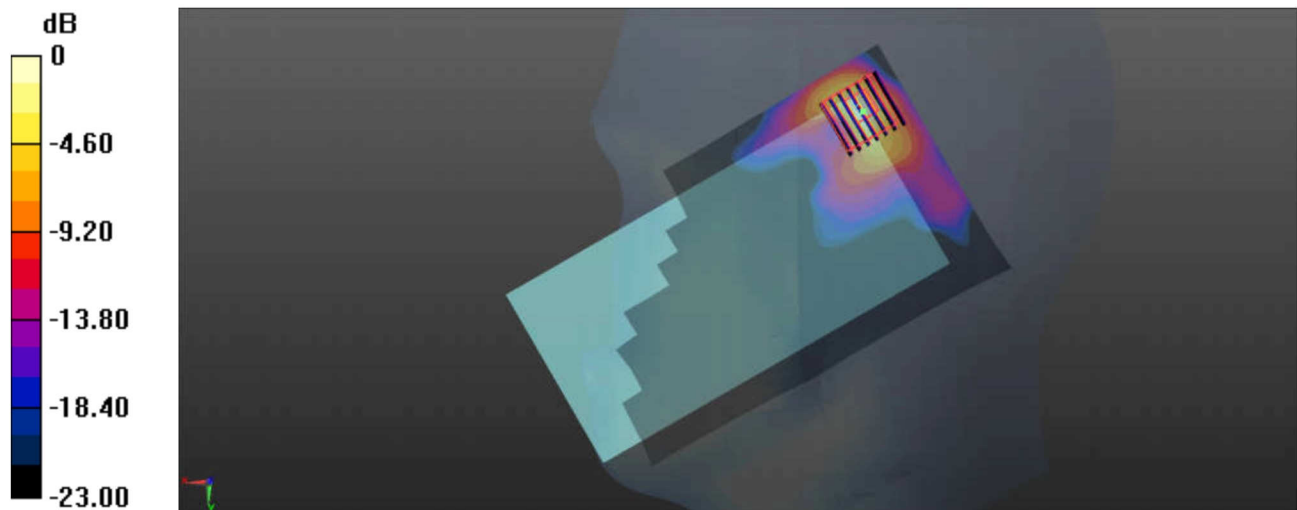
Communication System: UID 0, WIFI (0); Frequency: 5500 MHz; Duty Cycle: 1:1.018
Medium: HSL_5000 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.104$ S/m; $\epsilon_r = 36.731$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(4.59, 4.59, 4.59); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- 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) = 2.72 W/kg

Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
Reference Value = 4.055 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 4.27 W/kg
SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.282 W/kg
Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 2.72 W/kg = 4.35 dBW/kg

15_WLAN5.8GHz_802.11a 6Mbps_Right Cheek_0mm_Ch157

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1.018
Medium: HSL_5000 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 36.329$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(4.74, 4.74, 4.74); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.61 W/kg

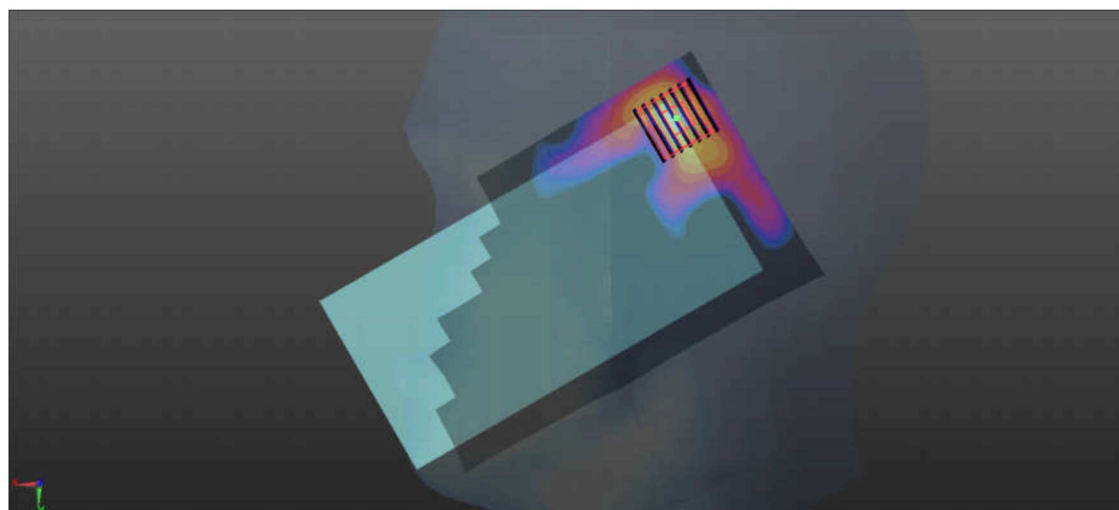
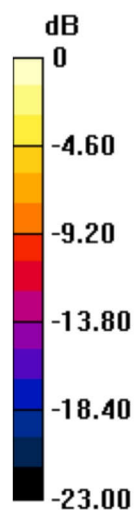
Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.731 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 1.61 W/kg



0 dB = 1.61 W/kg = 2.07 dBW/kg

16_Bluetooth_1Mbps_Right Cheek_0mm_Ch0

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.298

Medium: HSL_2450 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.768$ S/m; $\epsilon_r = 38.517$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(7.49, 7.49, 7.49); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.631 W/kg

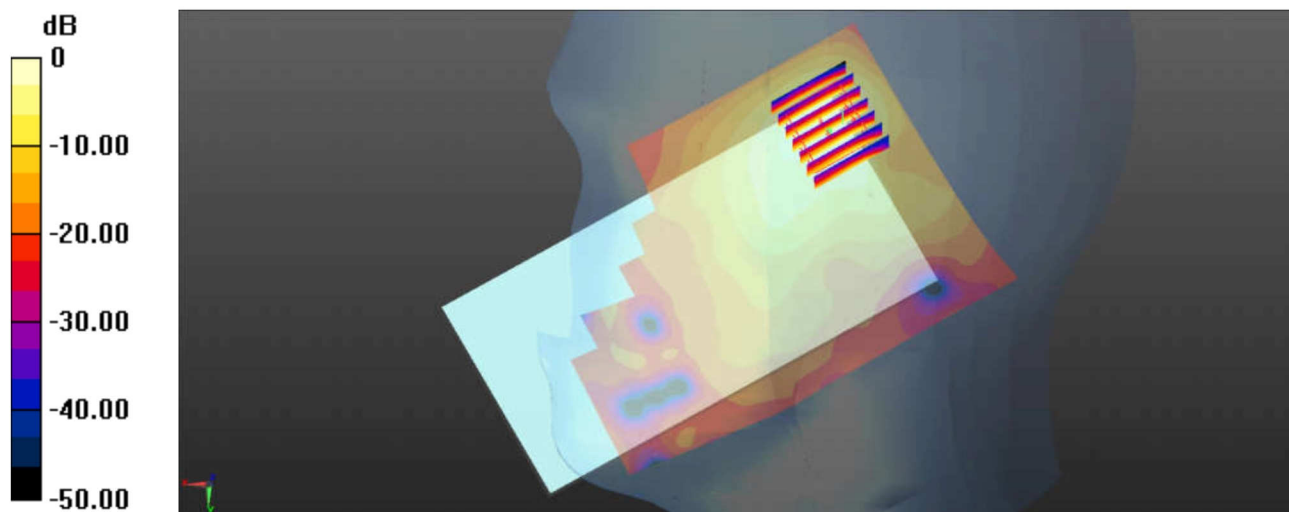
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.261 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.741 W/kg

SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.555 W/kg



0 dB = 0.631 W/kg = -2.00 dBW/kg

17_GSM850_GPRS 3 Tx slots_Back_5mm_Ch251

Communication System: UID 0, GPRS/EDGE (3 Tx slots) (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.77

Medium: MSL_835 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.986$ S/m; $\epsilon_r = 55.026$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.02, 10.02, 10.02); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.938 W/kg

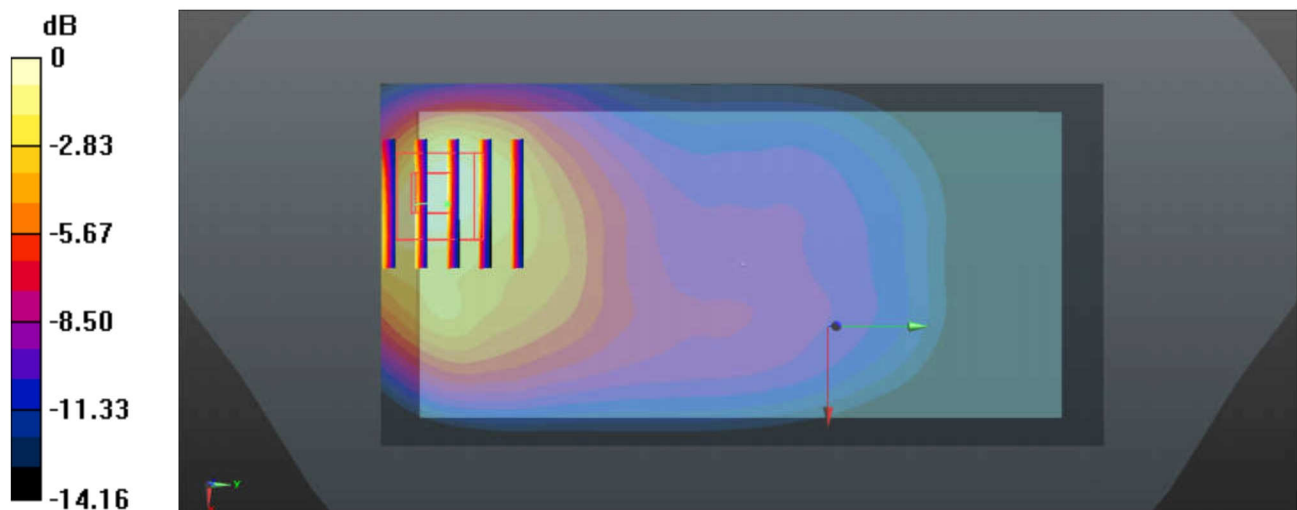
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.11 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.375 W/kg

Maximum value of SAR (measured) = 0.986 W/kg



0 dB = 0.938 W/kg = -0.28 dBW/kg

18_GSM1900_GPRS 4 Tx slots_Bottom Side_5mm_Ch661

Communication System: UID 0, GPRS/EDGE (4 Tx slots) (0); Frequency: 1880 MHz; Duty Cycle: 1:2.08
Medium: MSL_1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.486$ S/m; $\epsilon_r = 52.848$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.03, 8.03, 8.03); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (41x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.933 W/kg

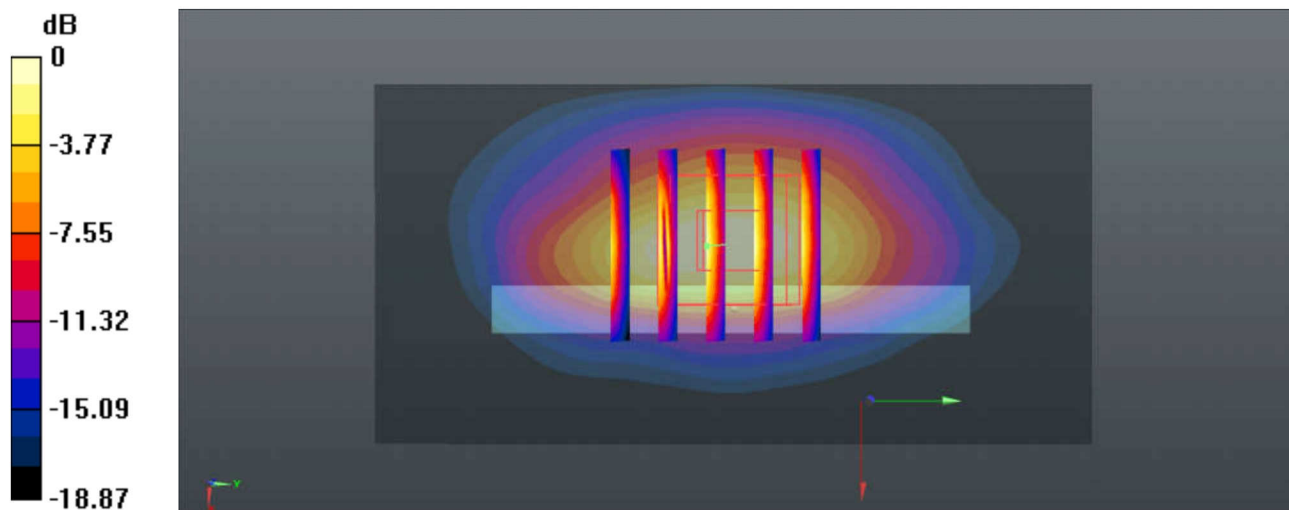
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.97 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.330 W/kg

Maximum value of SAR (measured) = 0.894 W/kg



19_WCDMA Band V_RMC12.2Kbps_Back_5mm_Ch4233

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

Medium: MSL_835 Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.984$ S/m; $\epsilon_r = 55.04$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.02, 10.02, 10.02); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.41 W/kg

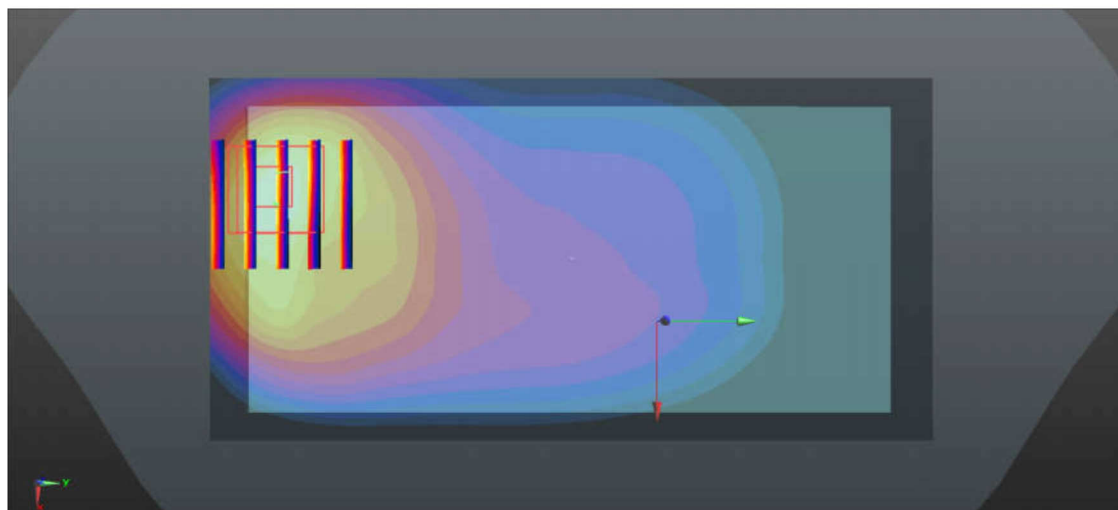
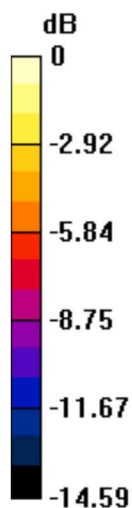
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.98 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.493 W/kg

Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

20_WCDMA Band II_RMC12.2Kbps_Bottom Side_5mm_Ch9538

Communication System: UID 0, UMTS (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: MSL_1900 Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.524$ S/m; $\epsilon_r = 52.799$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.03, 8.03, 8.03); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (31x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.978 W/kg

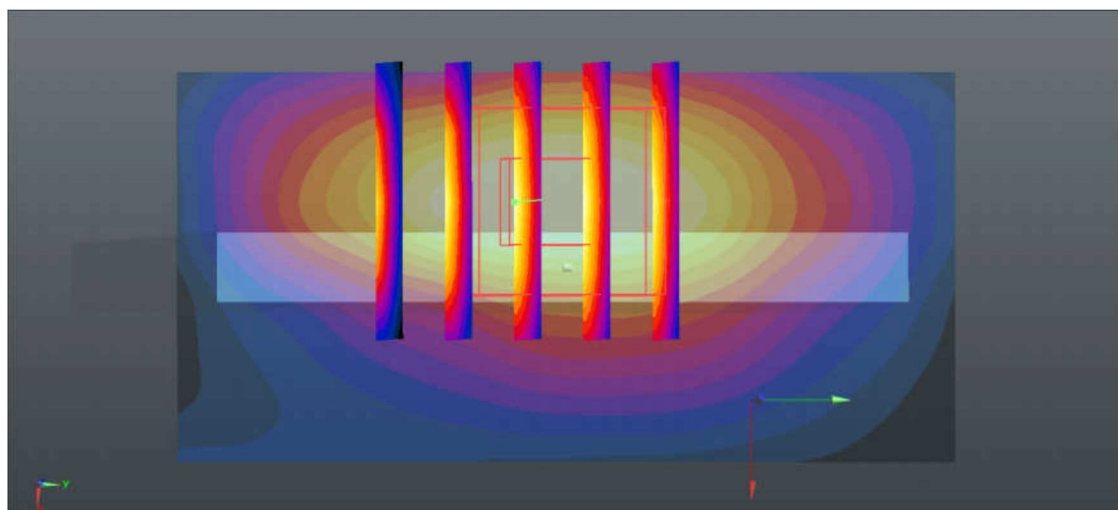
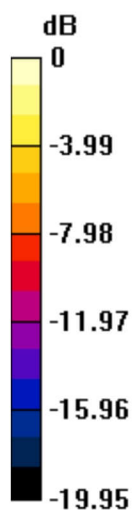
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.62 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.347 W/kg

Maximum value of SAR (measured) = 0.951 W/kg



0 dB = 0.978 W/kg = -0.10 dBW/kg