

#01_GSM850_GPRS (4 Tx slots)_Right Cheek_Ch128

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL_850_190606 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 43.307$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.146 W/kg

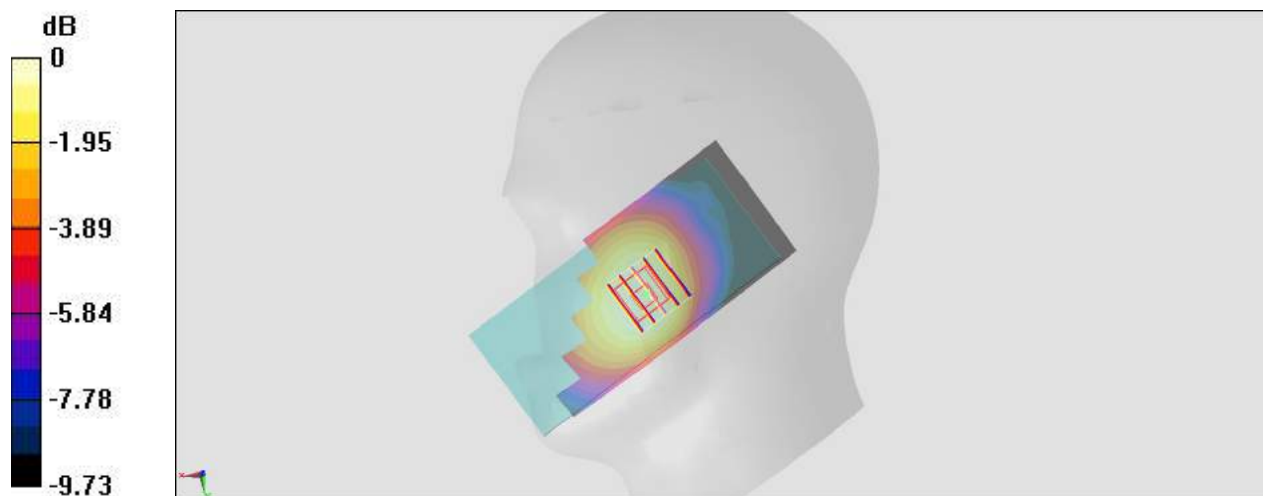
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.11 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.086 W/kg

Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg = -8.66 dBW/kg

#02_GSM1900_GPRS (4 Tx slots)_Left Cheek_Ch661

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: HSL_1900_190607 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 38.944$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.54, 8.54, 8.54) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0449 W/kg

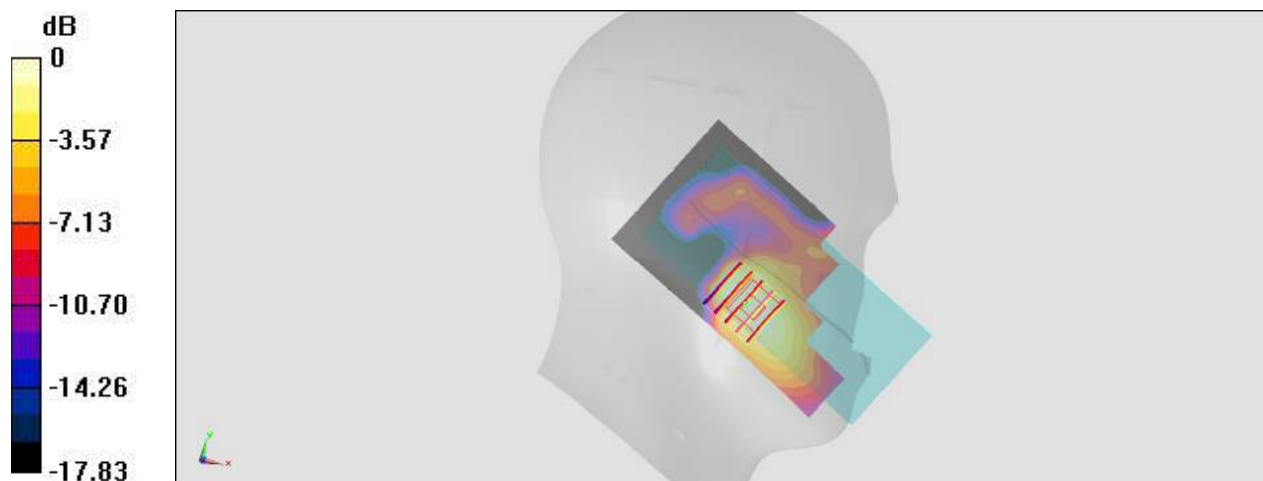
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.586 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.0500 W/kg

SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0421 W/kg



0 dB = 0.0421 W/kg = -13.76 dBW/kg

#03_WCDMA IV_RMC 12.2Kbps_Right Cheek_Ch1312

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: HSL_1750_190607 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 40.788$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.73, 8.73, 8.73) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.110 W/kg

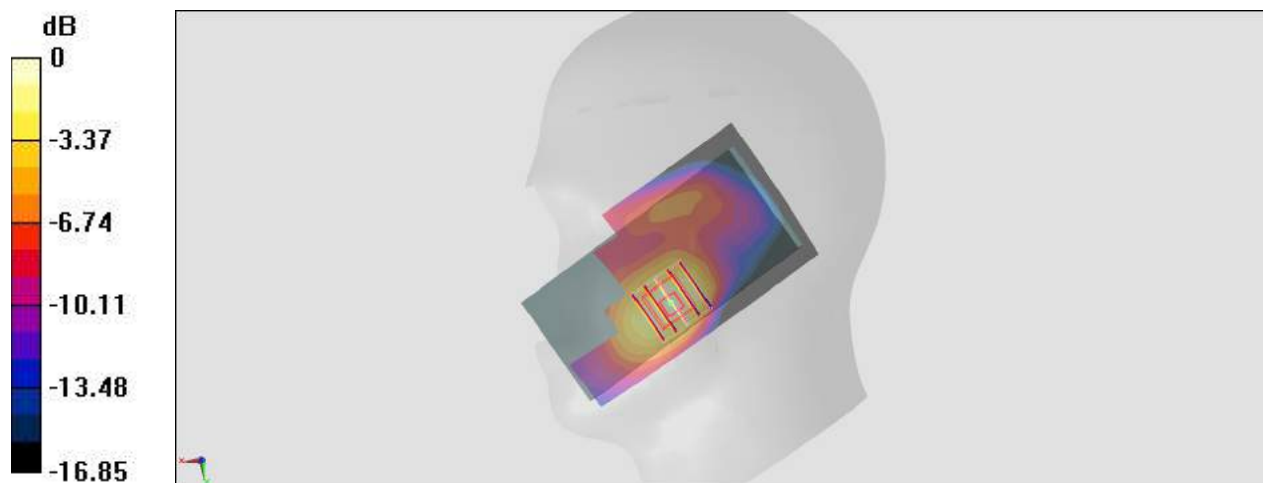
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.205 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

#04_WCDMA V_RMC 12.2Kbps_Right Cheek_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL_850_190606 Medium parameters used: $f = 847$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 43.028$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.296 W/kg

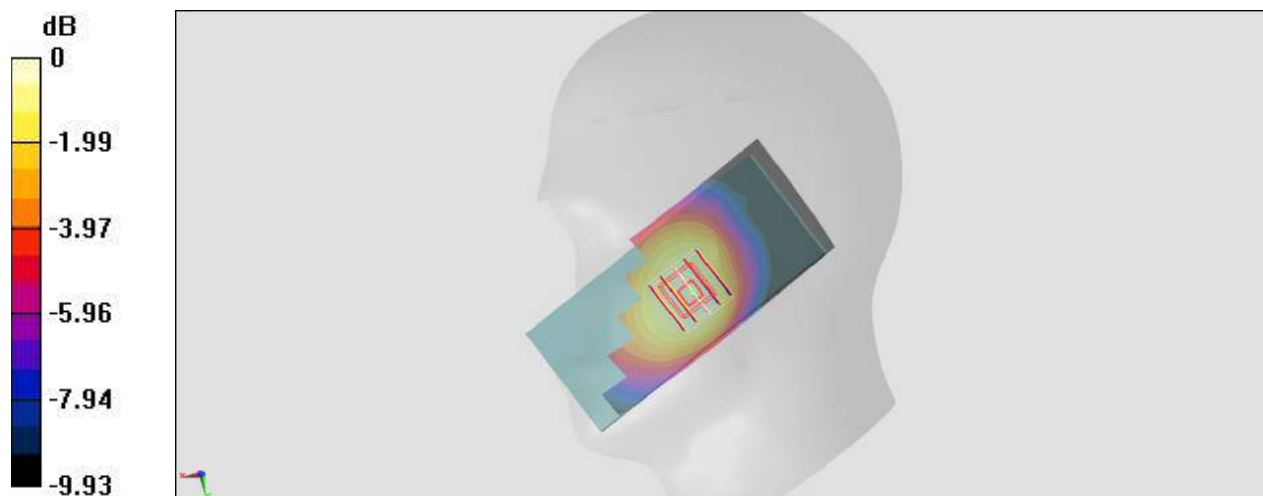
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.081 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg = -5.47 dBW/kg

#05_LTE Band 4_20M_QPSK_1_0_Right Cheek_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_190607 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.348$ S/m; $\epsilon_r = 40.738$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.73, 8.73, 8.73) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0841 W/kg

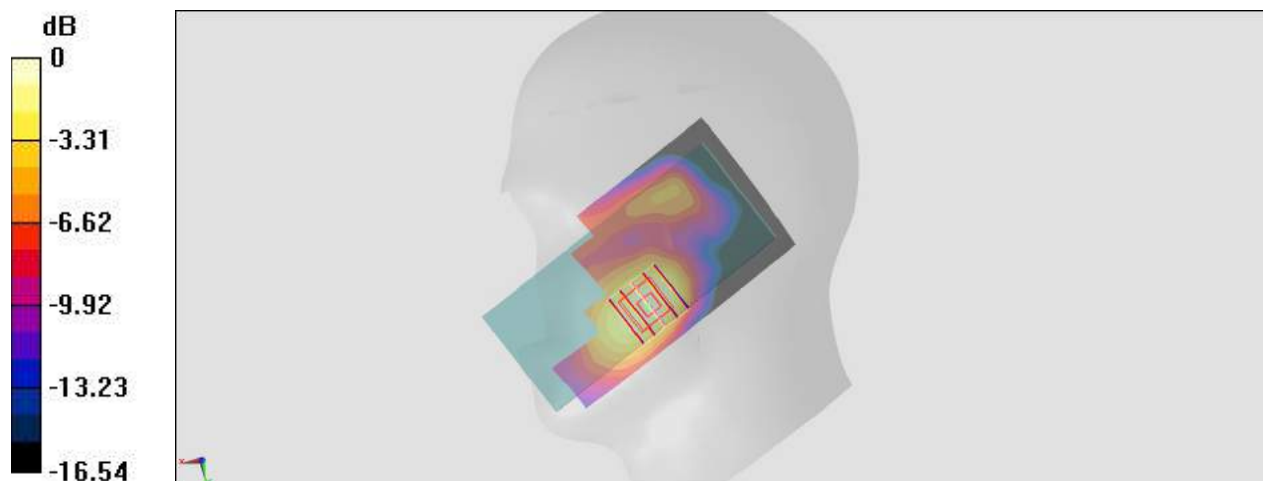
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.469 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.0886 W/kg



0 dB = 0.0886 W/kg = -10.53 dBW/kg

#06_LTE Band 5_10M_QPSK_25_12_Right Cheek_Ch20525

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_850_190606 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 43.159$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.291 W/kg

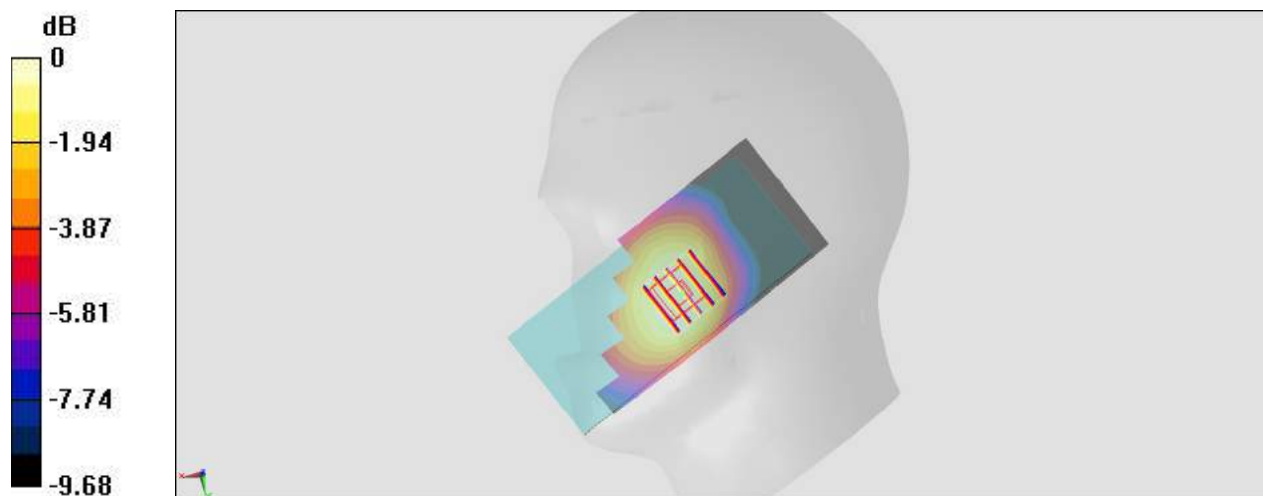
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.240 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg = -5.47 dBW/kg

#07_LTE Band 17_10M_QPSK_1_25_Right Cheek_Ch23790

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_190607 Medium parameters used: $f = 710$ MHz; $\sigma = 0.854$ S/m; $\epsilon_r = 42.533$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.4, 10.4, 10.4) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.270 W/kg

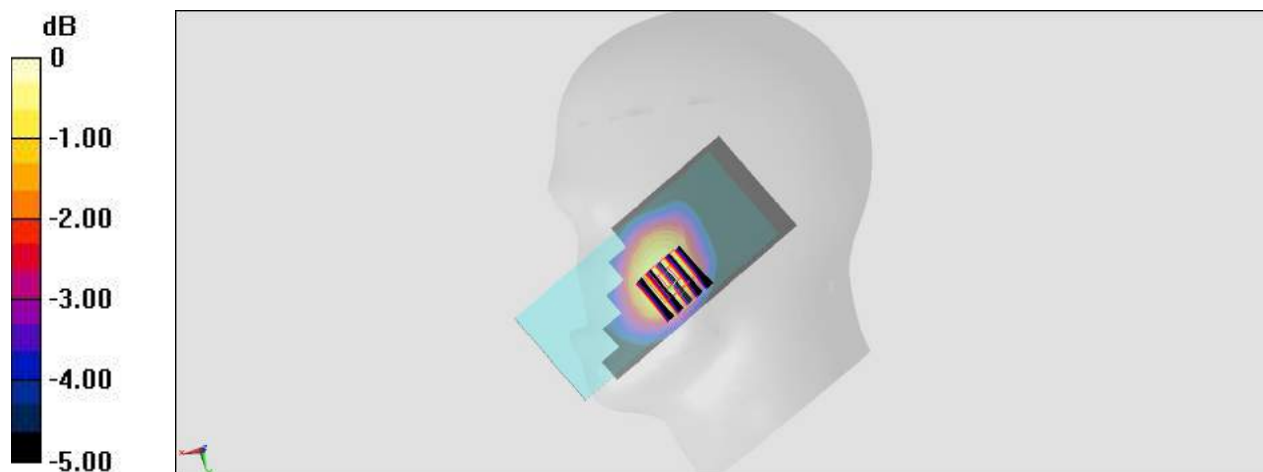
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.65 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.280 W/kg = -5.53 dBW/kg

#08_LTE Band 41_20M_QPSK_50_0_Left Cheek_Ch40185

Communication System: LTE; Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

Medium: HSL_2600_190609 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 39.09$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.54, 7.54, 7.54) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.224 W/kg

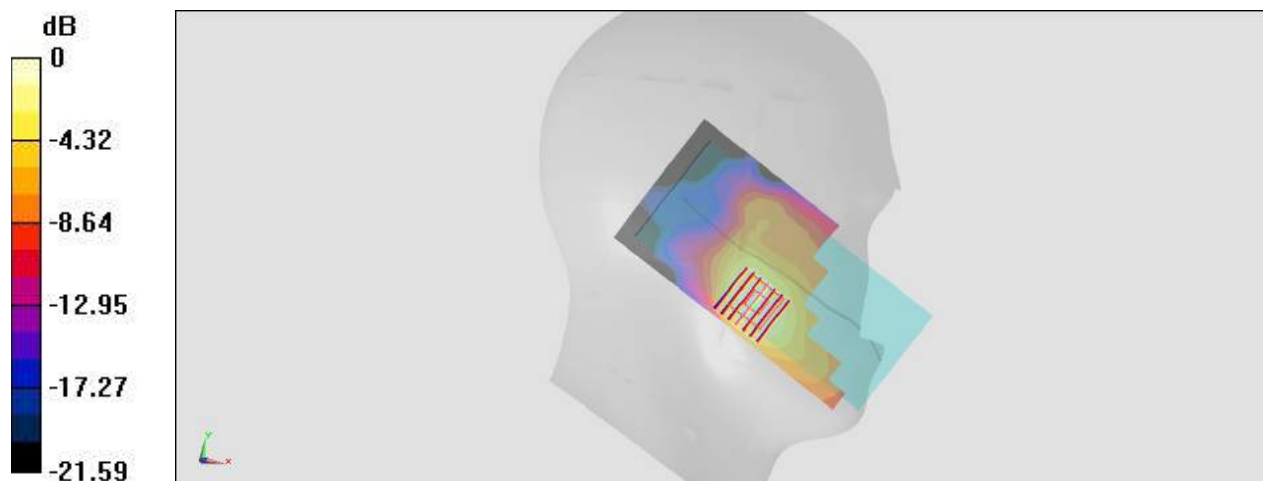
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.978 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg = -6.52 dBW/kg

#09_WLAN2.4GHz_802.11b 1Mbps_Left Cheek_Ch12

Communication System: 802.11b; Frequency: 2467 MHz; Duty Cycle: 1:1.015

Medium: HSL_2450_190609 Medium parameters used: $f = 2467$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 39.228$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.7, 7.7, 7.7) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.615 W/kg

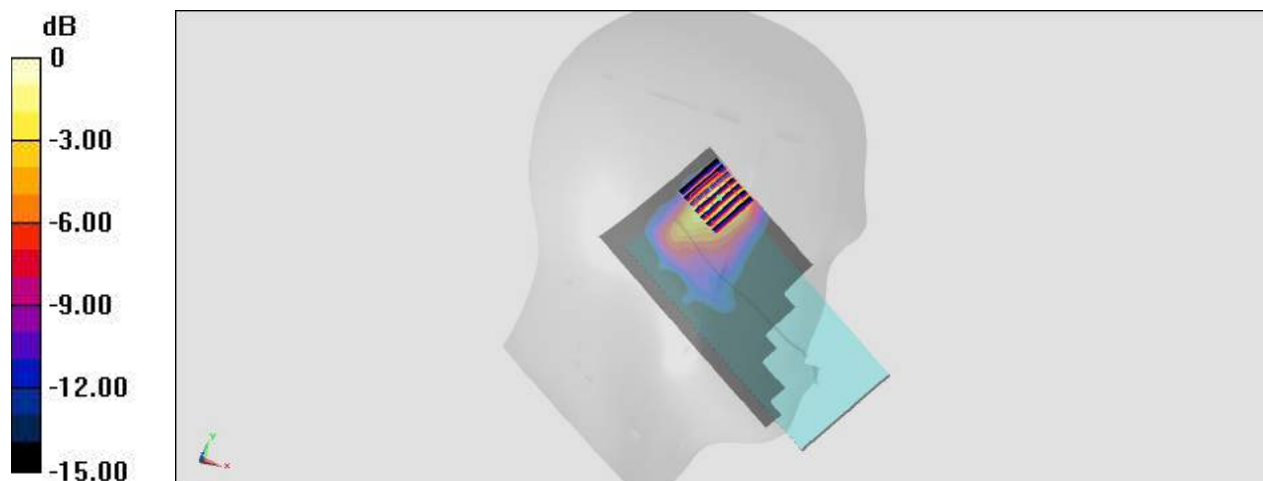
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.933 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.751 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.582 W/kg



0 dB = 0.582 W/kg = -2.35 dBW/kg

#10_WLAN5GHz_802.11n-HT40 MCS0_Left Cheek_Ch54

Communication System: 802.11n; Frequency: 5270 MHz; Duty Cycle: 1:1.055

Medium: HSL_5G_190620 Medium parameters used: $f = 5270$ MHz; $\sigma = 4.696$ S/m; $\epsilon_r = 36.638$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (91x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

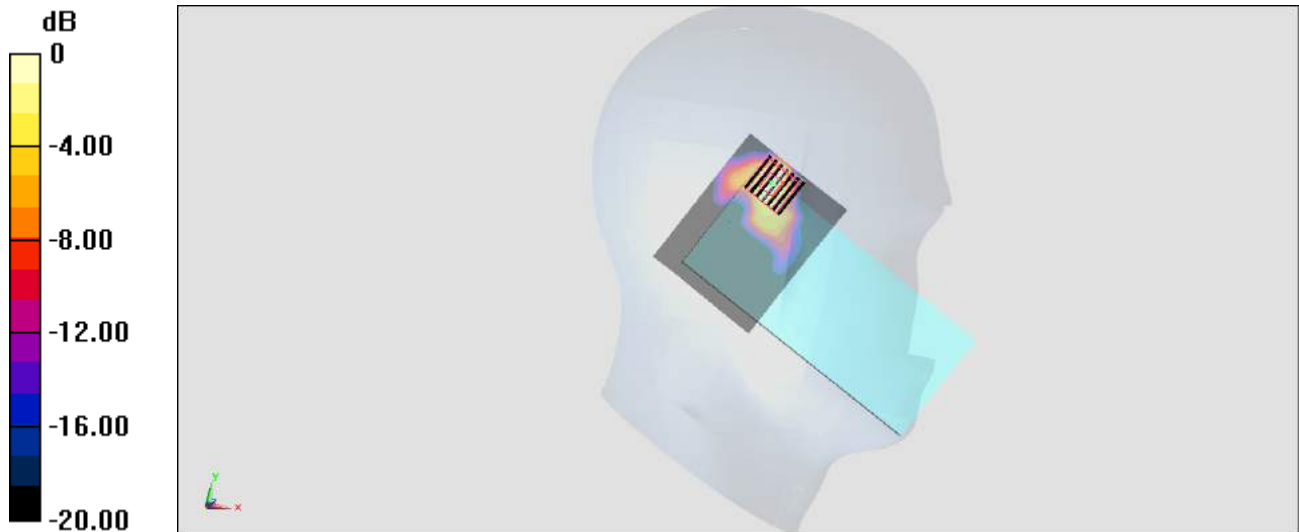
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.515 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.099 W/kg

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



0 dB = 1.05 W/kg = 0.21 dBW/kg

#11_WLAN5GHz_802.11ac-VHT80 MCS0_Left Cheek_Ch122

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.092

Medium: HSL_5G_190606 Medium parameters used : $f = 5610$ MHz; $\sigma = 5.044$ S/m; $\epsilon_r = 35.67$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration

- Probe: EX3DV4 - SN3642; ConvF(4.28, 4.28, 4.28) ; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (91x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.789 W/kg

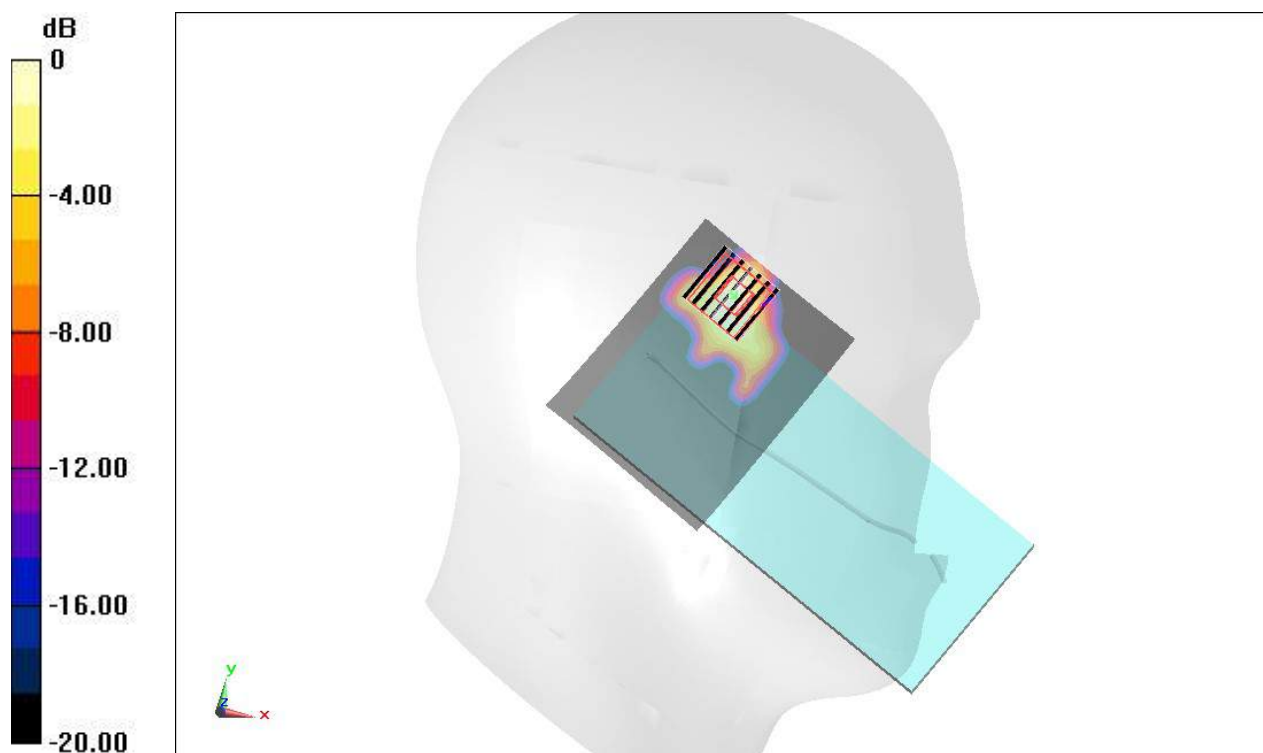
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.150 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.581 W/kg = -2.36 dBW/kg

#12_WLAN5GHz_802.11n-HT40 MCS0_Left Cheek_Ch159

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1.055

Medium: HSL_5G_190606 Medium parameters used : $f = 5795$ MHz; $\sigma = 5.241$ S/m; $\epsilon_r = 35.422$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration

- Probe: EX3DV4 - SN3642; ConvF(4.36, 4.36, 4.36) ; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (91x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.778 W/kg

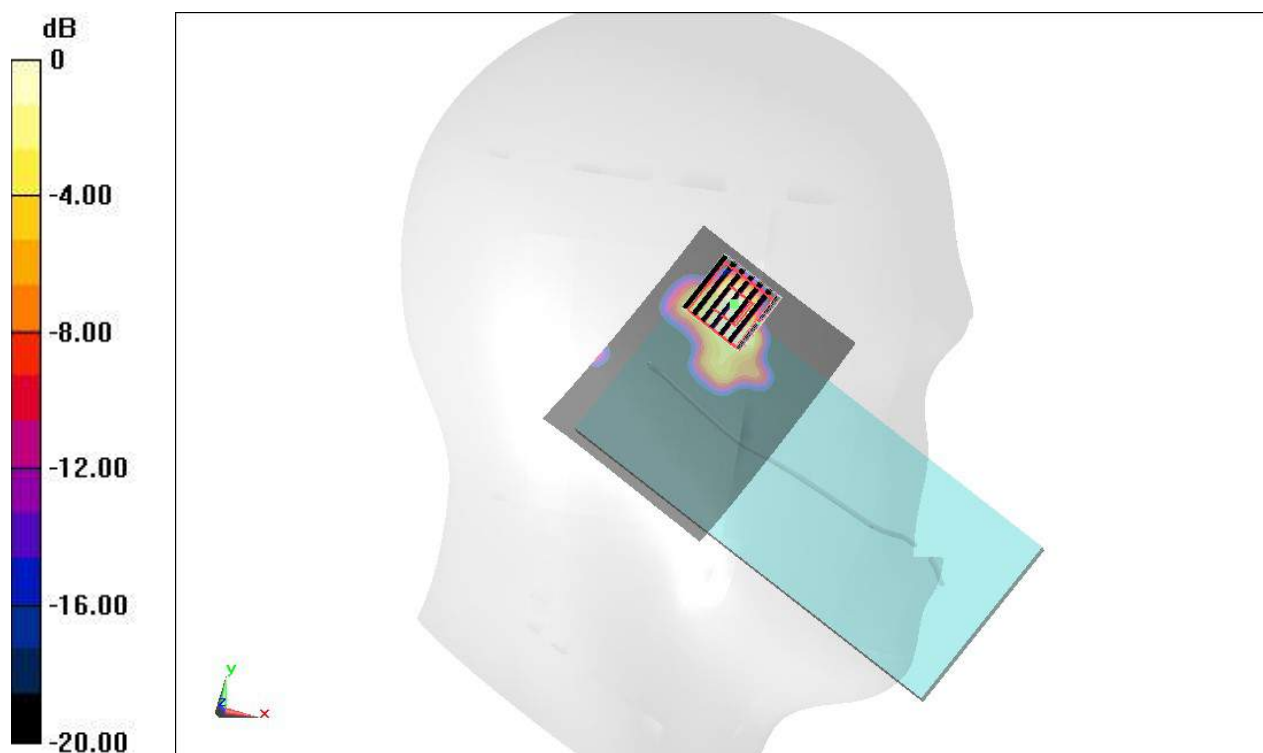
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 2.954 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.426 W/kg



0 dB = 0.426 W/kg = -3.71 dBW/kg

#13_Bluetooth_1Mbps_Left Cheek_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.305

Medium: HSL_2450_190610 Medium parameters used : $f = 2441$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 38.694$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3728; ConvF(7.11, 7.11, 7.11) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.323 W/kg

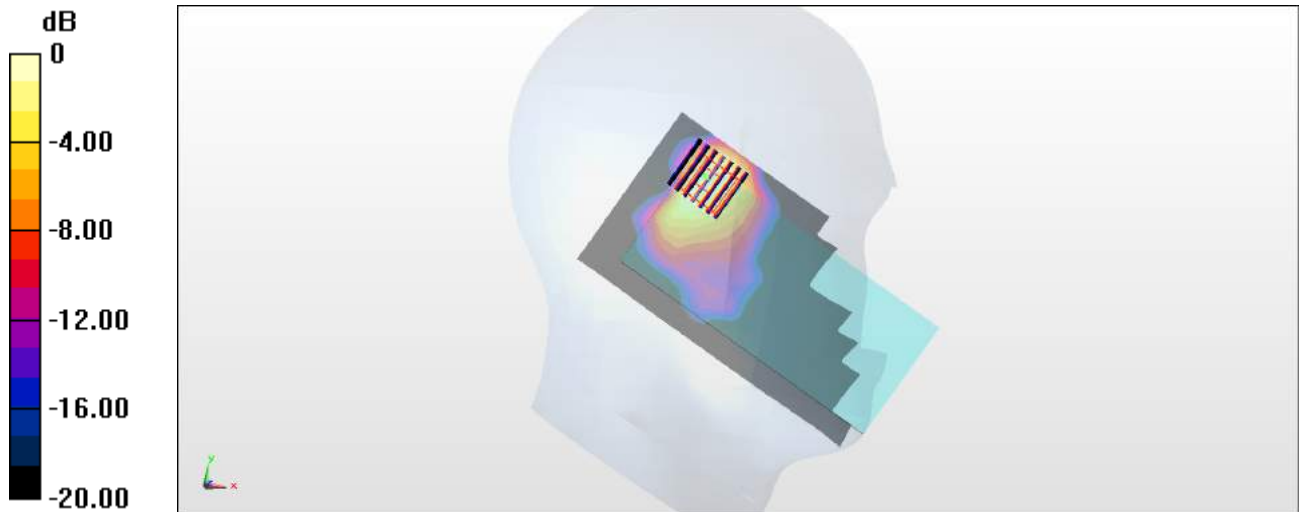
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.20 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.289 W/kg



0 dB = 0.289 W/kg = -5.39 dBW/kg

#14_GSM850_GPRS (4 Tx slots)_Back_10mm_Ch128

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL_850_190606 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 43.307$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.140 W/kg

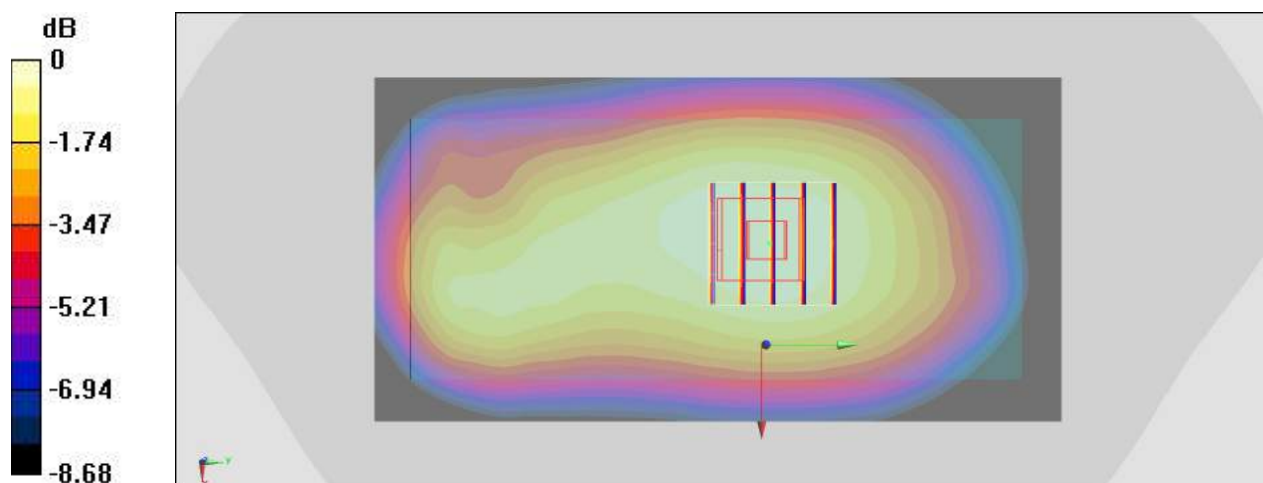
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.96 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.084 W/kg

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg = -8.54 dBW/kg

#15_GSM1900_GPRS (4 Tx slots)_Bottom Side_10mm_Ch661

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: HSL_1900_190607 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 38.944$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.54, 8.54, 8.54) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.266 W/kg

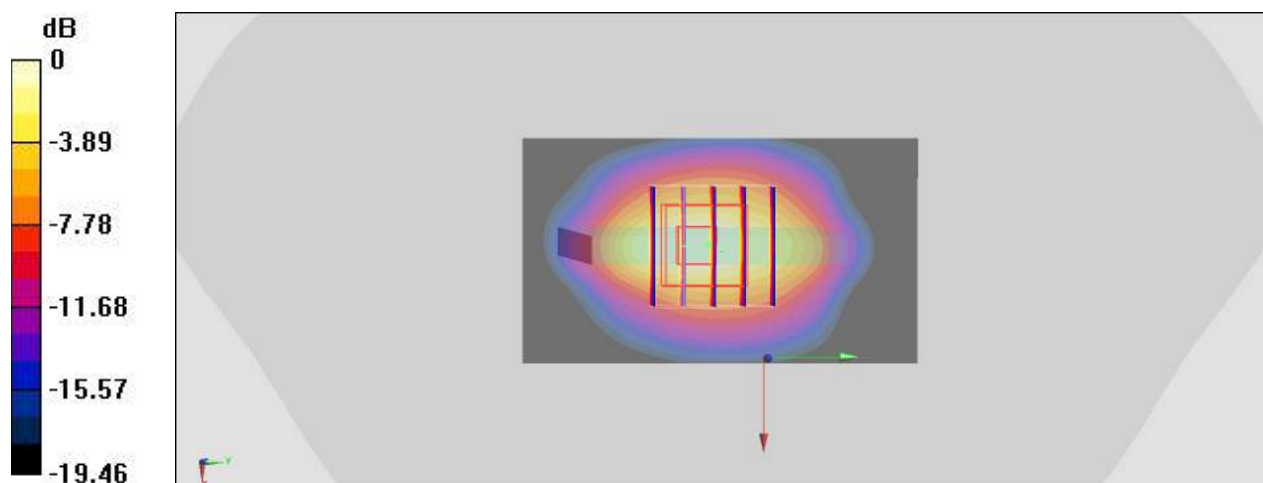
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.52 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg

#16_WCDMA IV_RMC 12.2Kbps_Bottom Side_10mm_Ch1312

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: HSL_1750_190607 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 40.788$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.73, 8.73, 8.73) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.979 W/kg

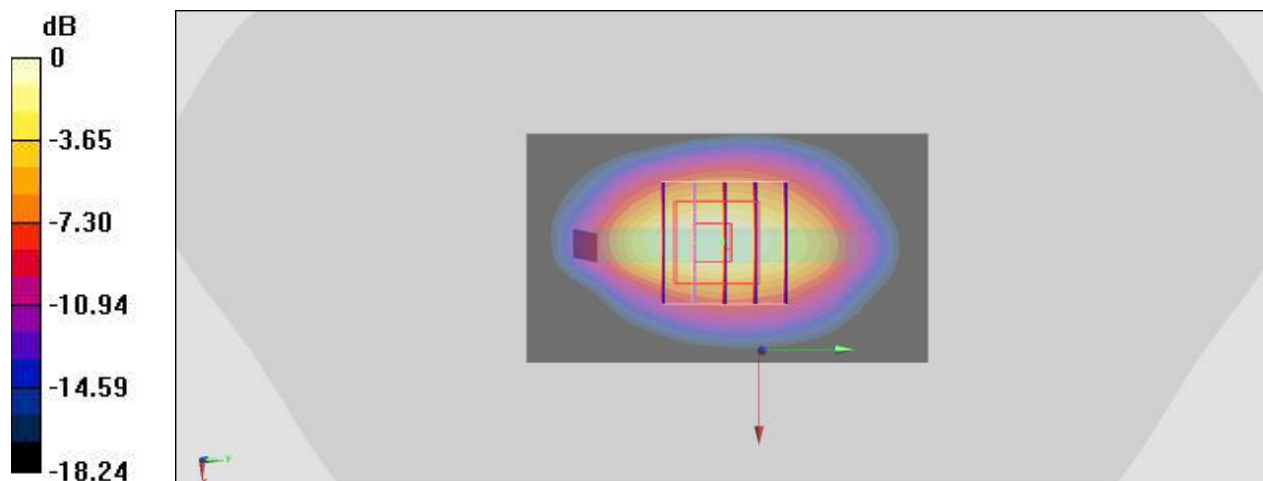
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.51 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.302 W/kg

Maximum value of SAR (measured) = 0.881 W/kg



0 dB = 0.881 W/kg = -0.55 dBW/kg

#17_WCDMA V_RMC 12.2Kbps_Back_10mm_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL_850_190606 Medium parameters used: $f = 847$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 43.028$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.257 W/kg

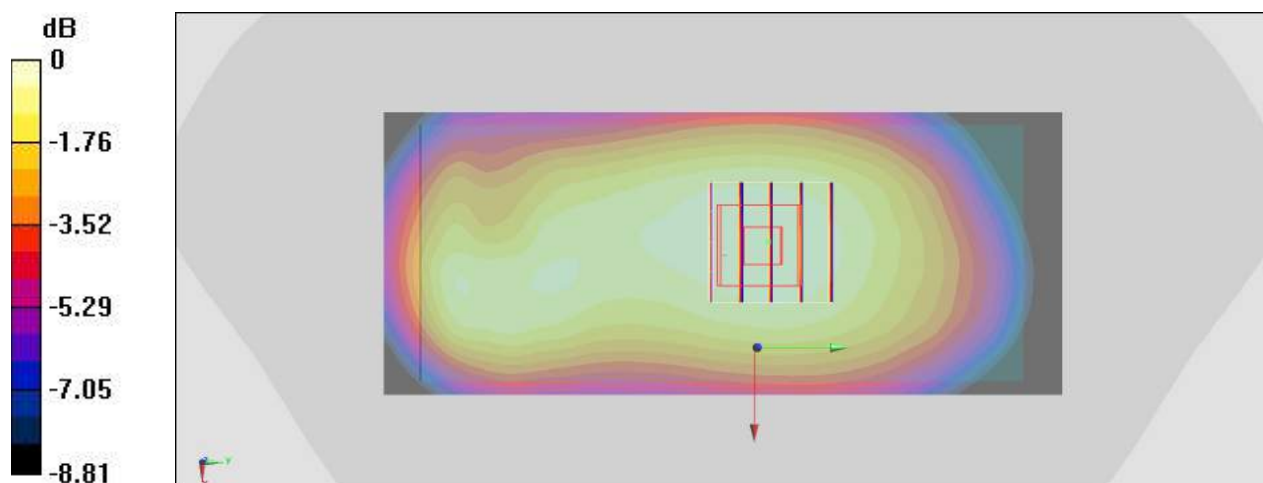
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.62 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.256 W/kg



#18_LTE Band 4_20M_QPSK_100_0_Bottom Side_10mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_190607 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.348$ S/m; $\epsilon_r = 40.738$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.73, 8.73, 8.73) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

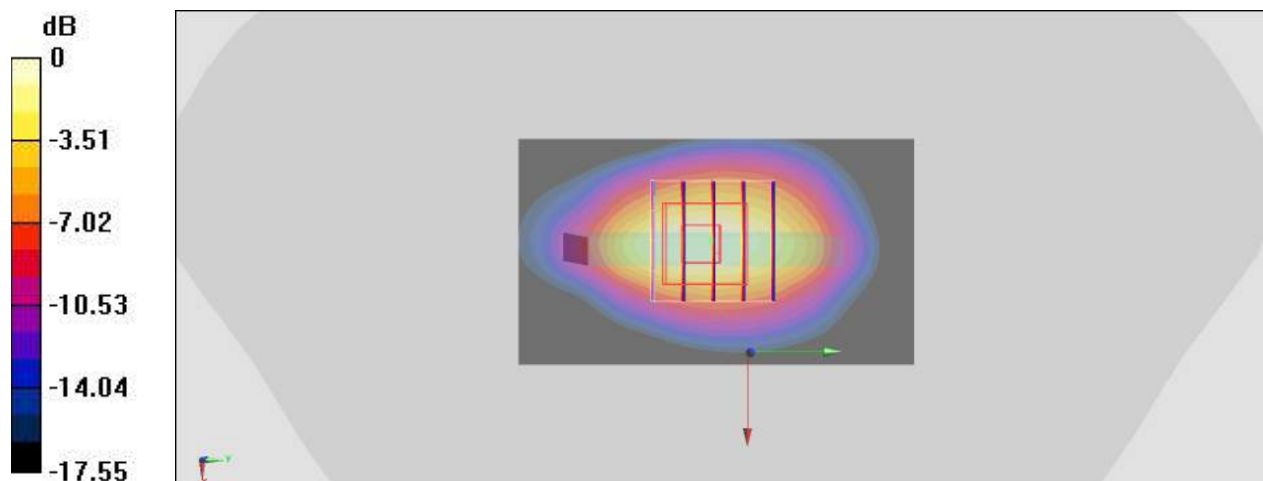
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.91 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.327 W/kg

Maximum value of SAR (measured) = 0.939 W/kg



0 dB = 0.939 W/kg = -0.27 dBW/kg

#19_LTE Band 5_10M_QPSK_25_12_Back_10mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_850_190606 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 43.159$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.313 W/kg

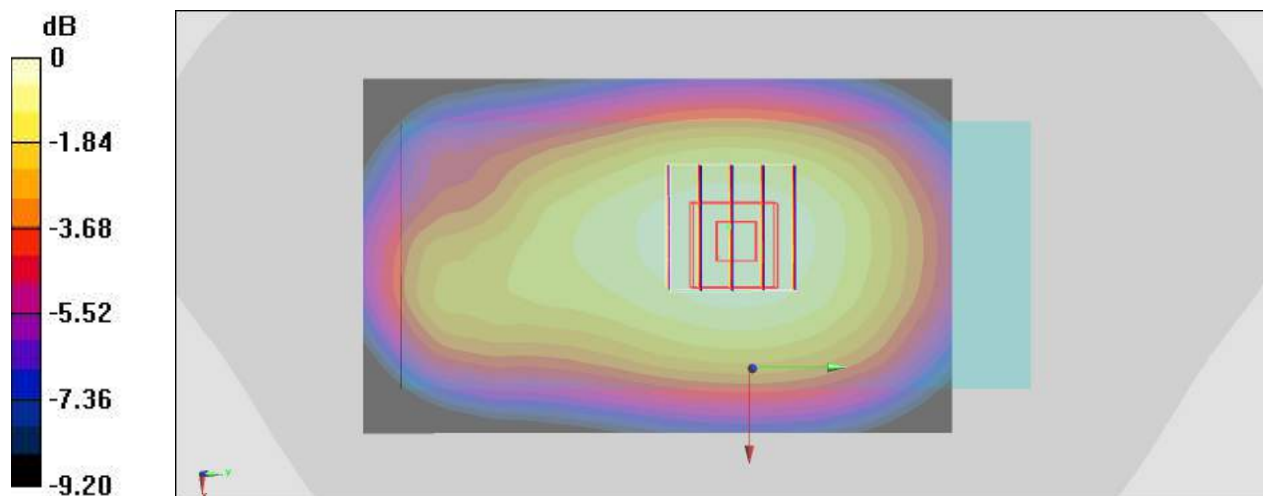
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.32 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg = -5.04 dBW/kg

#20_LTE Band 17_10M_QPSK_1_25_Back_10mm_Ch23790

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_190607 Medium parameters used: $f = 710$ MHz; $\sigma = 0.854$ S/m; $\epsilon_r = 42.533$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.4, 10.4, 10.4) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.396 W/kg

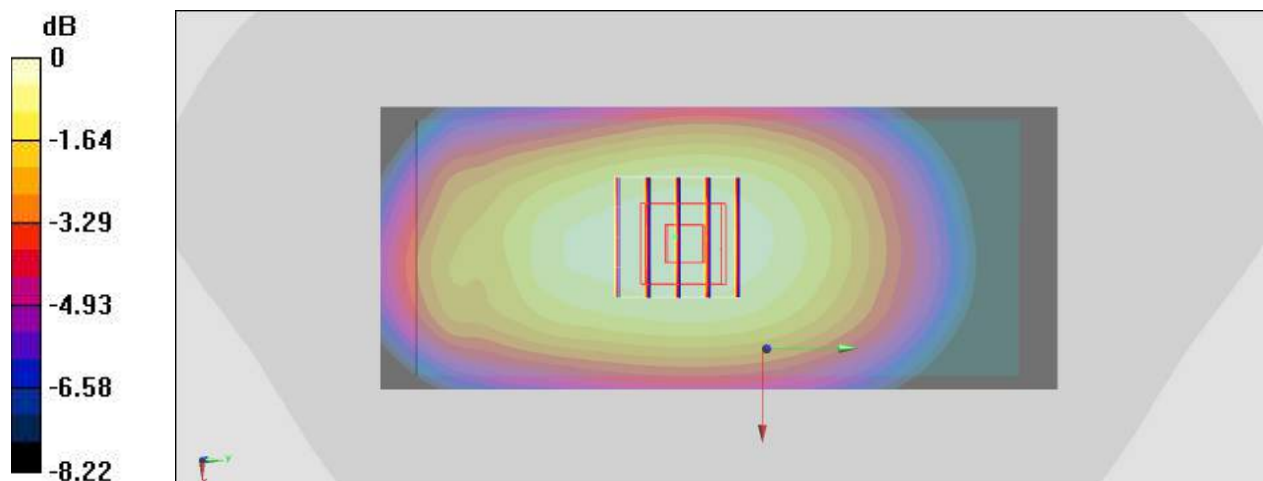
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.48 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.247 W/kg

Maximum value of SAR (measured) = 0.398 W/kg



0 dB = 0.398 W/kg = -4.00 dBW/kg

#21_LTE Band 41_20M_QPSK_50_0_Front_10mm_Ch40185

Communication System: LTE; Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

Medium: HSL_2600_190609 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 39.09$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.54, 7.54, 7.54) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.272 W/kg

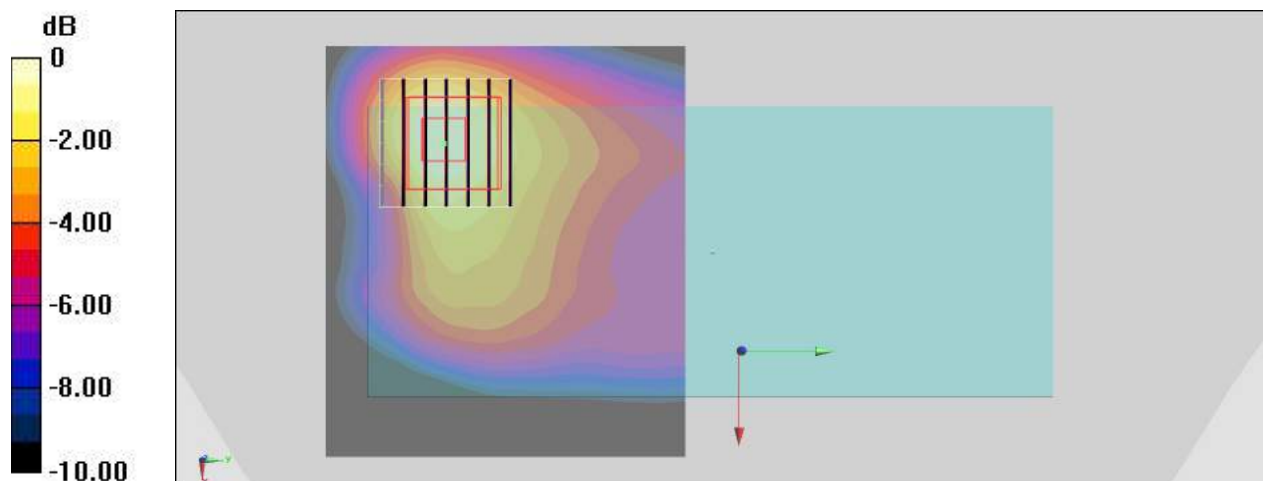
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.163 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.267 W/kg



0 dB = 0.267 W/kg = -5.73 dBW/kg

#22_WLAN2.4GHz_802.11b 1Mbps_Back_10mm_Ch12

Communication System: 802.11b; Frequency: 2467 MHz; Duty Cycle: 1:1.015

Medium: HSL_2450_190609 Medium parameters used: $f = 2467$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 39.228$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.7, 7.7, 7.7) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.156 W/kg

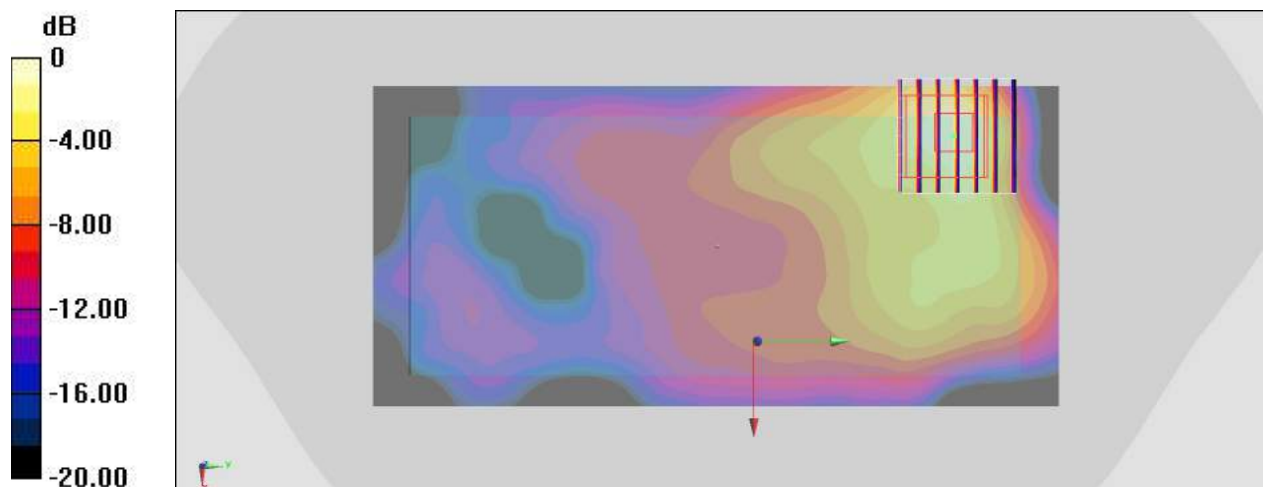
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.669 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.038 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg = -8.48 dBW/kg

#23_Bluetooth_1Mbps_Back_10mm_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.305

Medium: HSL_2450_190610 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 38.694$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3728; ConvF(7.11, 7.11, 7.11) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0692 W/kg

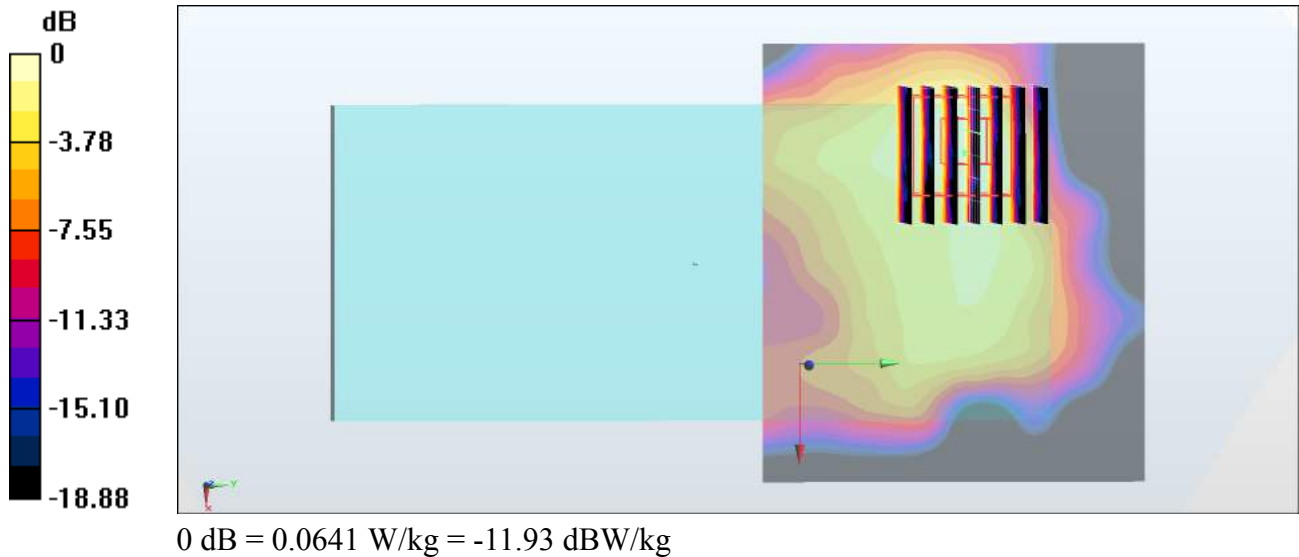
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.275 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0830 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0641 W/kg



#24_GSM850_GPRS (4 Tx slots)_Back_15mm_Ch128

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL_850_190606 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 43.307$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.120 W/kg

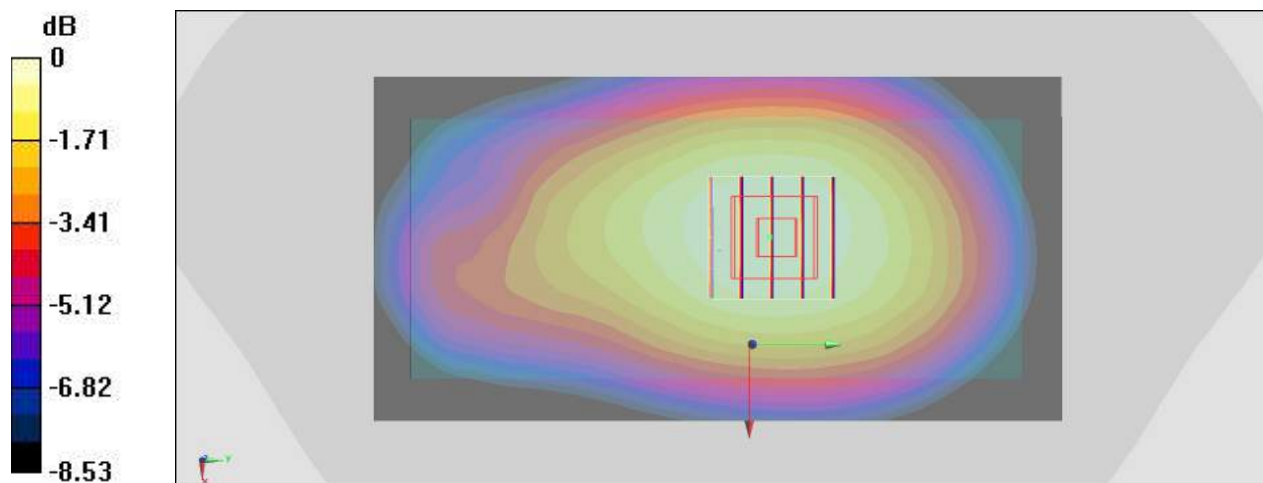
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.03 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.131 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

#25_GSM1900_GPRS (4 Tx slots)_Back_15mm_Ch661

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: HSL_1900_190607 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 38.944$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.54, 8.54, 8.54) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0675 W/kg

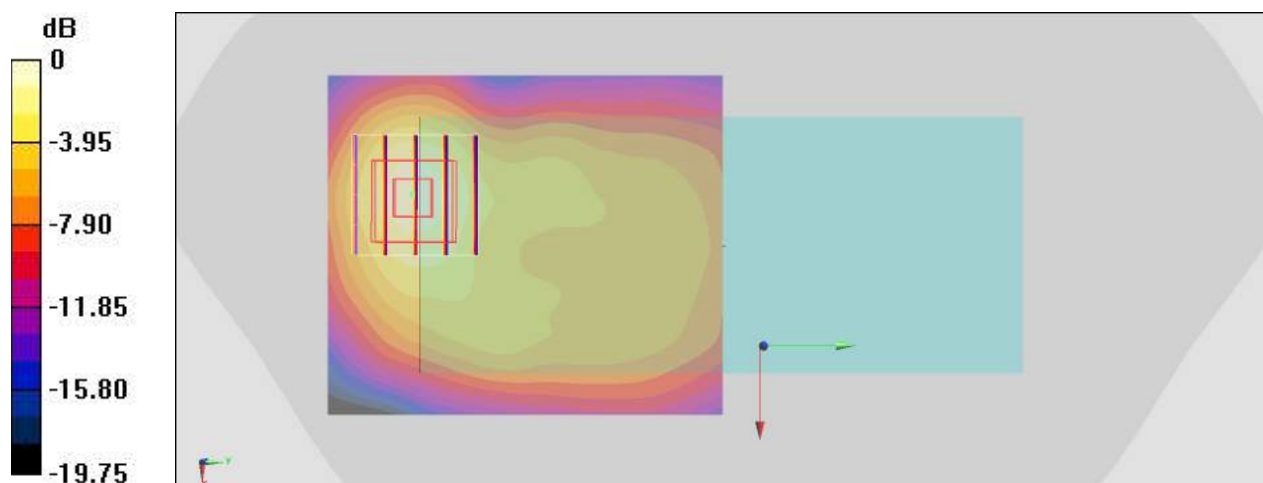
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.553 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0890 W/kg

SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.0735 W/kg



0 dB = 0.0735 W/kg = -11.34 dBW/kg

#26_WCDMA IV_RMC 12.2Kbps_Back_15mm_Ch1312

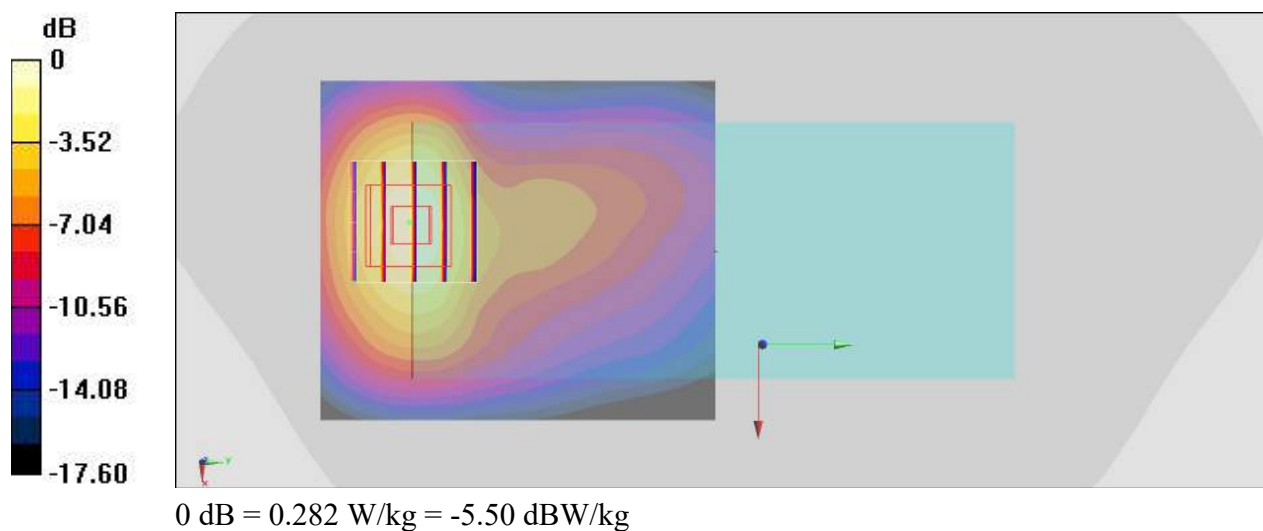
Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1
Medium: HSL_1750_190607 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 40.788$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.73, 8.73, 8.73) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.273 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.51 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.332 W/kg
SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.105 W/kg
Maximum value of SAR (measured) = 0.282 W/kg



#27_WCDMA V_RMC 12.2Kbps_Back_15mm_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL_850_190606 Medium parameters used: $f = 847$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 43.028$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.220 W/kg

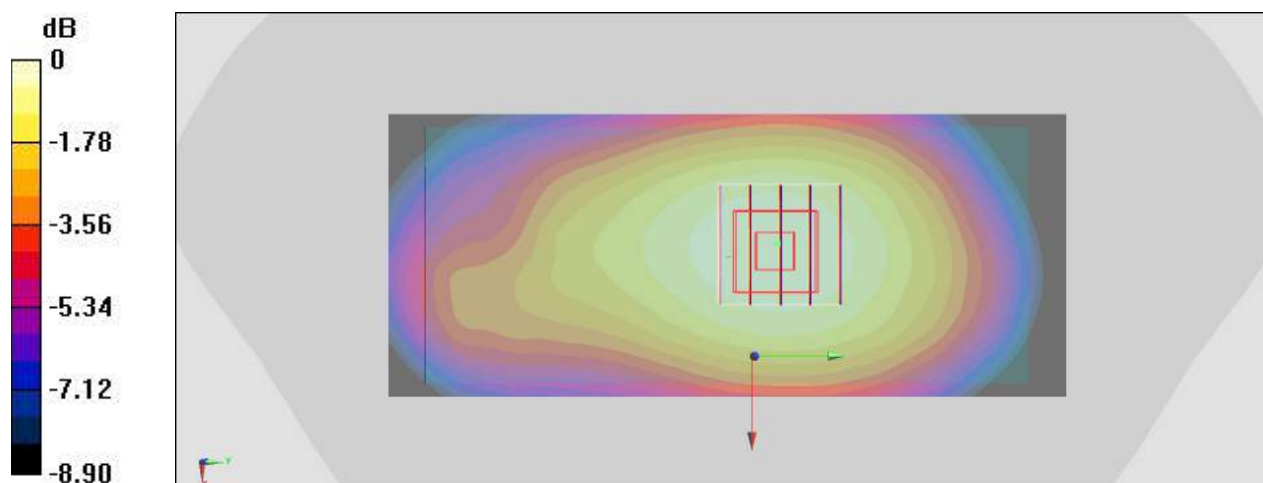
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.95 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.220 W/kg



0 dB = 0.220 W/kg = -6.58 dBW/kg

#28_LTE Band 4_20M_QPSK_1_0_Back_15mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_190607 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.348$ S/m; $\epsilon_r = 40.738$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.73, 8.73, 8.73) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.255 W/kg

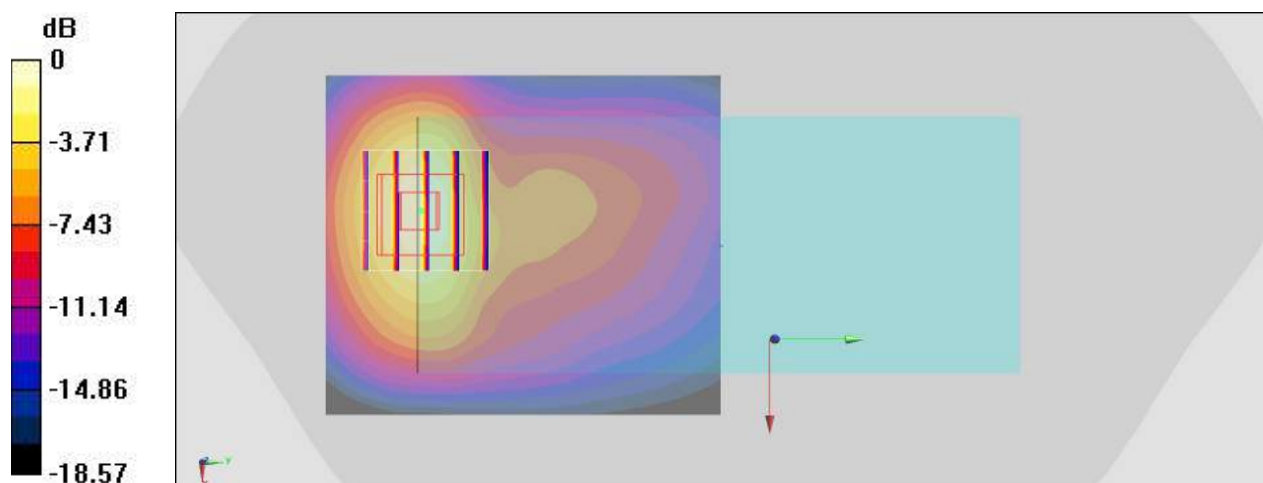
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.29 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.261 W/kg



0 dB = 0.261 W/kg = -5.83 dBW/kg

#29_LTE Band 5_10M_QPSK_25_12_Back_15mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_850_190606 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 43.159$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.269 W/kg

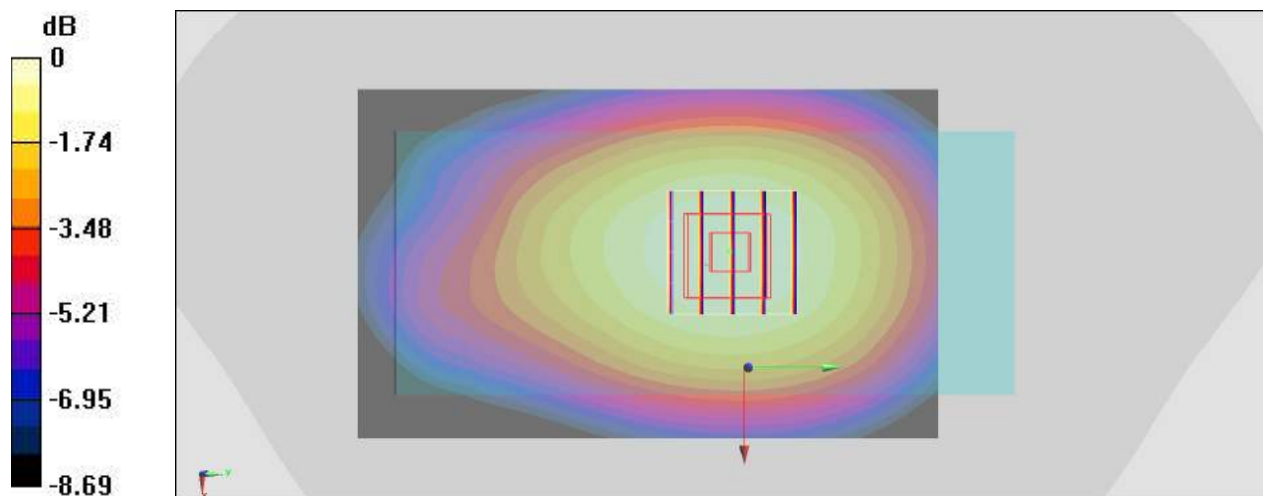
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.90 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.269 W/kg



0 dB = 0.269 W/kg = -5.70 dBW/kg

#30_LTE Band 17_10M_QPSK_1_25_Back_15mm_Ch23790

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_190607 Medium parameters used: $f = 710$ MHz; $\sigma = 0.854$ S/m; $\epsilon_r = 42.533$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.4, 10.4, 10.4) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.365 W/kg

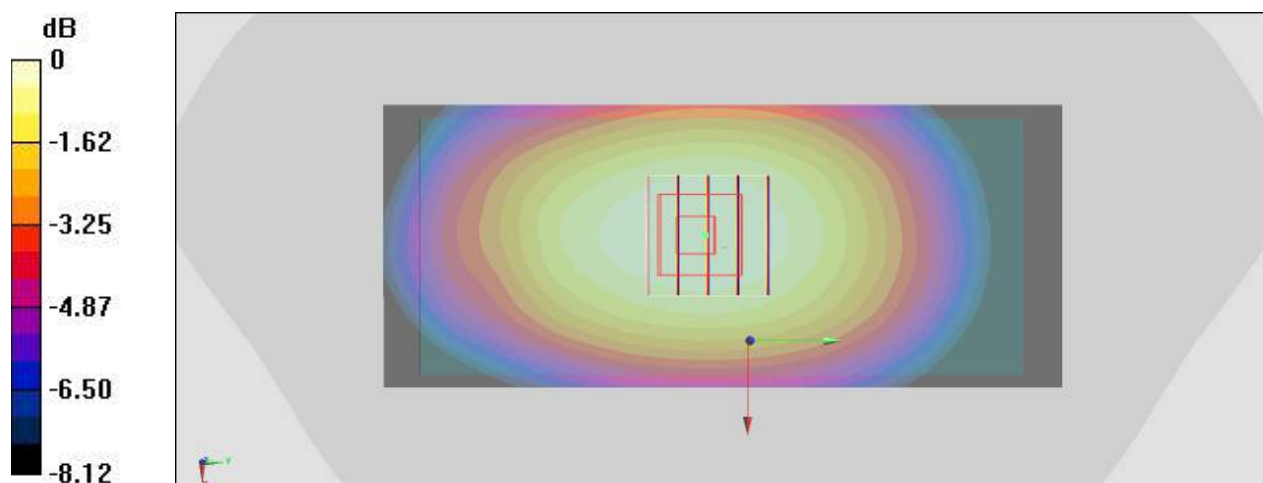
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.58 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.363 W/kg



0 dB = 0.363 W/kg = -4.40 dBW/kg

#31_LTE Band 41_20M_QPSK_50_0_Front_15mm_Ch40185

Communication System: LTE; Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

Medium: HSL_2600_190609 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 39.09$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.54, 7.54, 7.54) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.130 W/kg

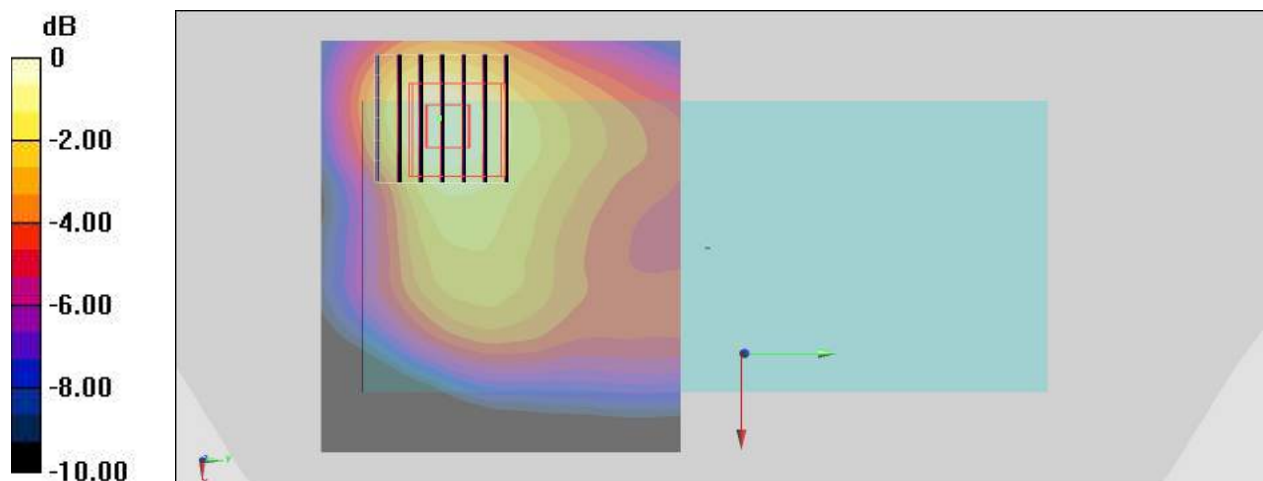
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.119 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.046 W/kg

Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.129 W/kg = -8.89 dBW/kg

#32_WLAN2.4GHz_802.11b 1Mbps_Back_15mm_Ch12

Communication System: 802.11b; Frequency: 2467 MHz; Duty Cycle: 1:1.015

Medium: HSL_2450_190609 Medium parameters used: $f = 2467$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 39.228$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.7, 7.7, 7.7) ; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: Twin-SAM_Right; Type: QD 000 P40 CB; Serial: 1489
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0562 W/kg

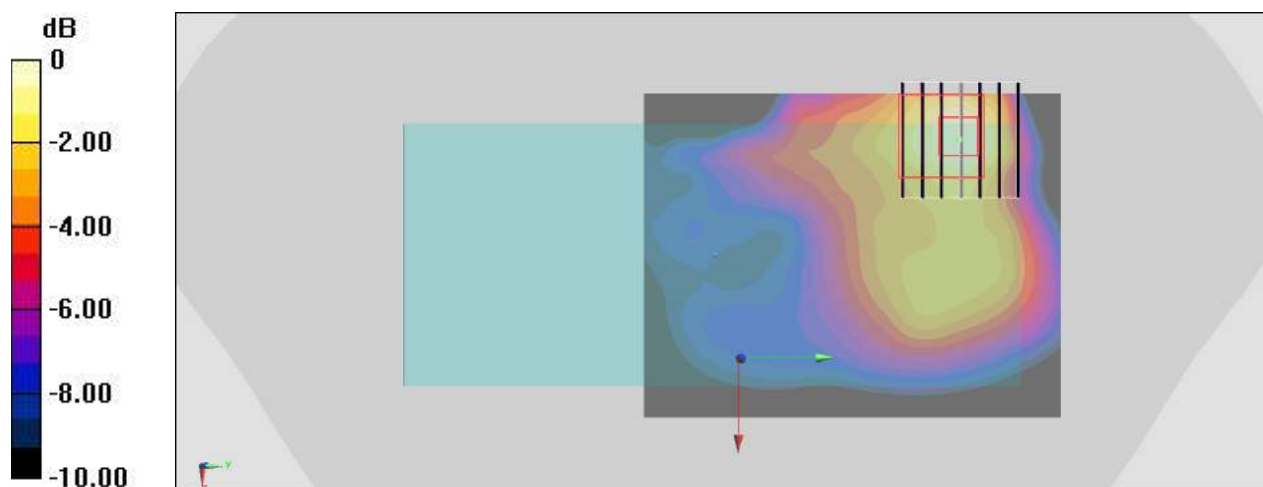
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.651 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0690 W/kg

SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0529 W/kg



0 dB = 0.0529 W/kg = -12.77 dBW/kg

#33_WLAN5GHz_802.11n-HT40 MCS0_Back_15mm_Ch54

Communication System: 802.11n; Frequency: 5270 MHz; Duty Cycle: 1:1.055

Medium: HSL_5G_190620 Medium parameters used: $f = 5270$ MHz; $\sigma = 4.696$ S/m; $\epsilon_r = 36.638$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (91x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.307 W/kg

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

Reference Value = 5.251 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.041 W/kg

Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg = -5.16 dBW/kg

#34_WLAN5GHz_802.11ac-VHT80 MCS0_Back_15mm_Ch122

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.092

Medium: HSL_5G_190607 Medium parameters used : $f = 5610$ MHz; $\sigma = 4.853$ S/m; $\epsilon_r = 36.576$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration

- Probe: EX3DV4 - SN3728; ConvF(4.2, 4.2, 4.2) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (91x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.148 W/kg

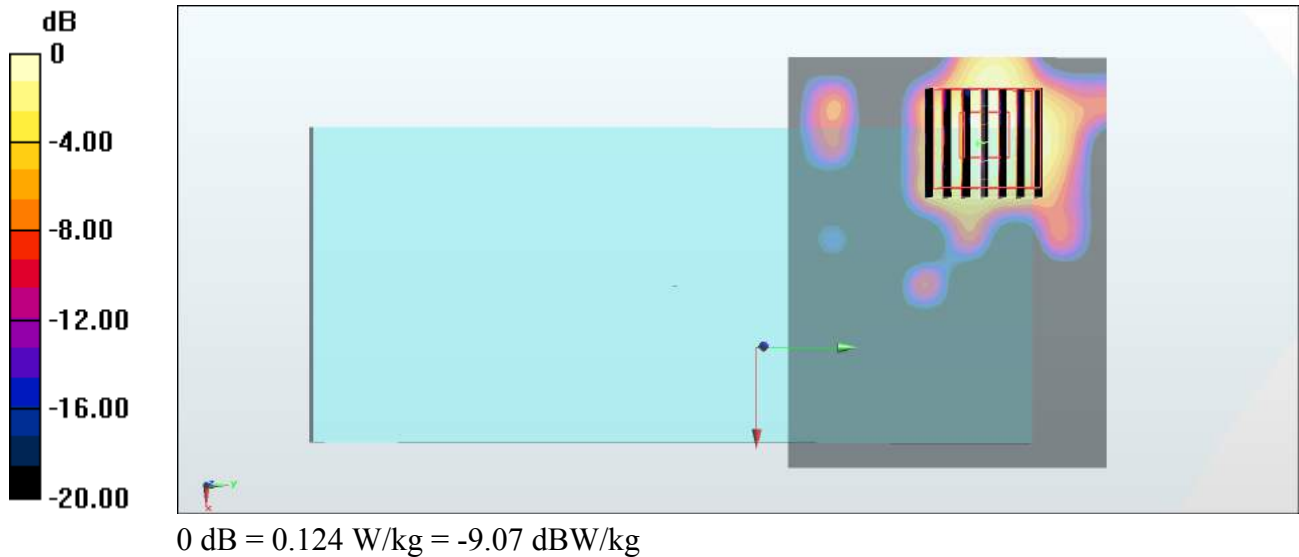
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.701 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.00961 W/kg

Maximum value of SAR (measured) = 0.124 W/kg



#35_WLAN5GHz_802.11n-HT40 MCS0_Front_15mm_Ch159

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1.055

Medium: HSL_5G_190606 Medium parameters used: $f = 5795$ MHz; $\sigma = 5.241$ S/m; $\epsilon_r = 35.422$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration

- Probe: EX3DV4 - SN3642; ConvF(4.36, 4.36, 4.36) ; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (91x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0557 W/kg

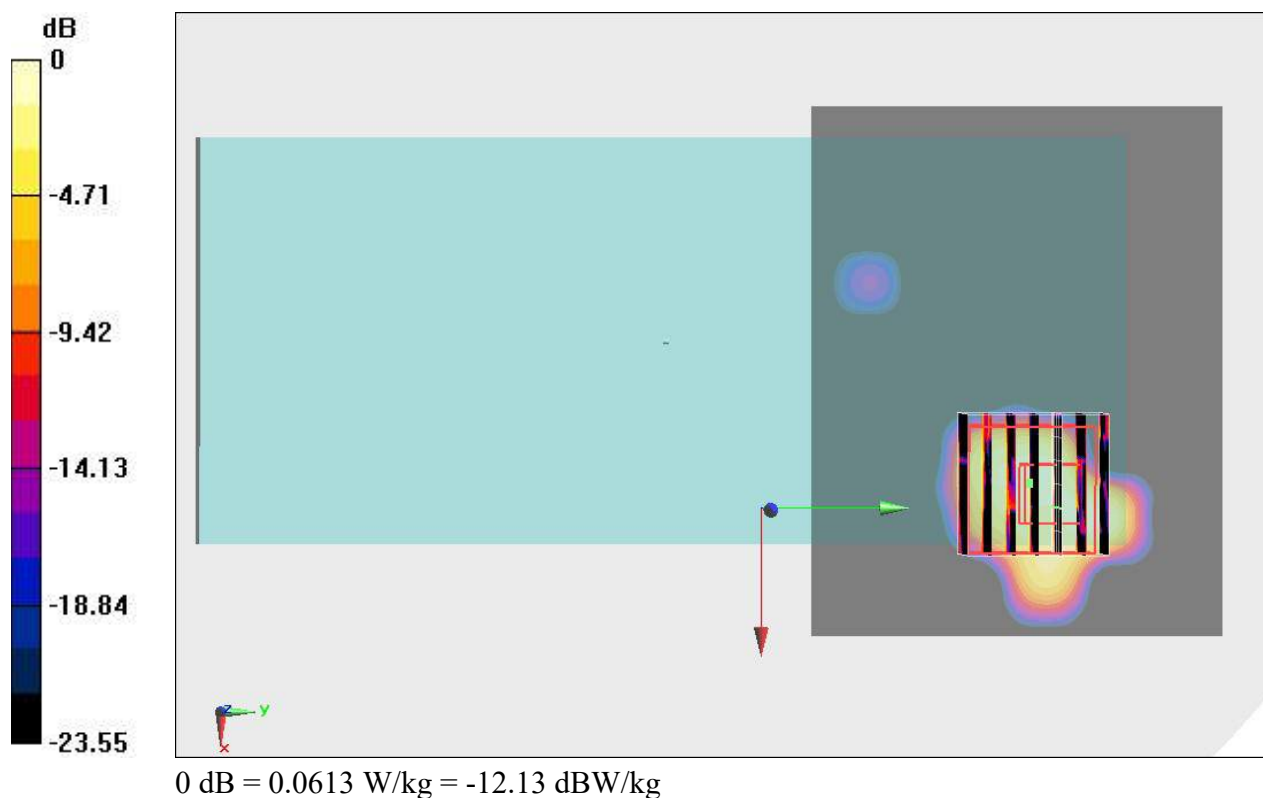
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.196 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00667 W/kg

Maximum value of SAR (measured) = 0.0613 W/kg



#36_Bluetooth_1Mbps_Back_15mm_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.305

Medium: HSL_2450_190610 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 38.694$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3728; ConvF(7.11, 7.11, 7.11) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0270 W/kg

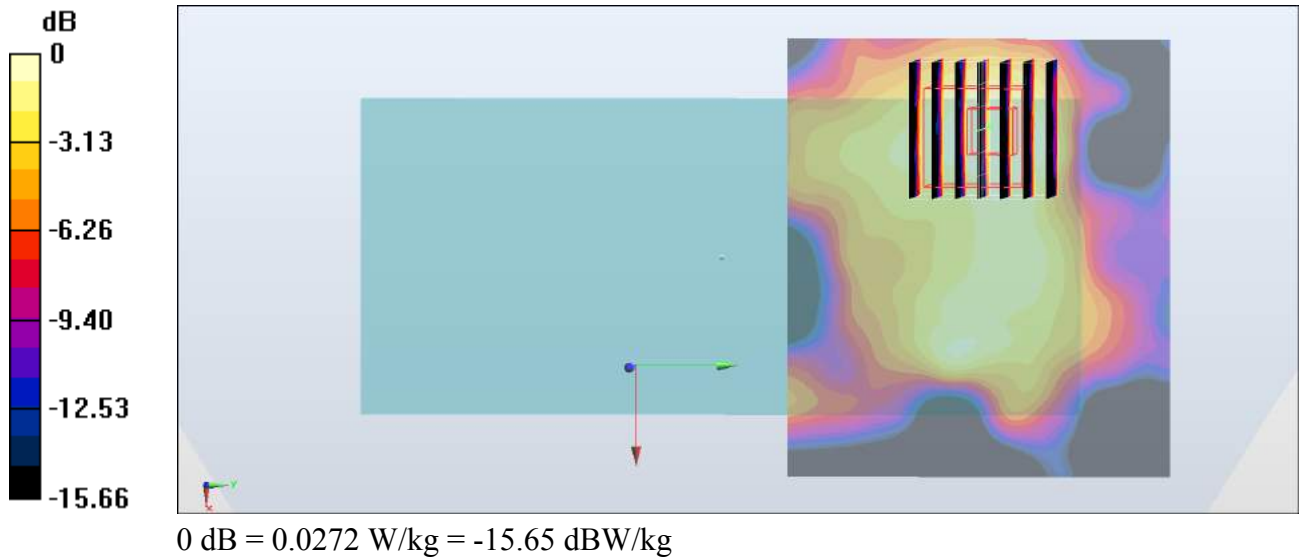
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.521 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0500 W/kg

SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00629 W/kg

Maximum value of SAR (measured) = 0.0272 W/kg



#37_WLAN5GHz_802.11n-HT40 MCS0_Right Side_0mm_Ch54

Communication System: 802.11n ; Frequency: 5270 MHz;Duty Cycle: 1:1.055

Medium: HSL_5G_190620 Medium parameters used: $f = 5270$ MHz; $\sigma = 4.696$ S/m; $\epsilon_r = 36.638$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.69 W/kg

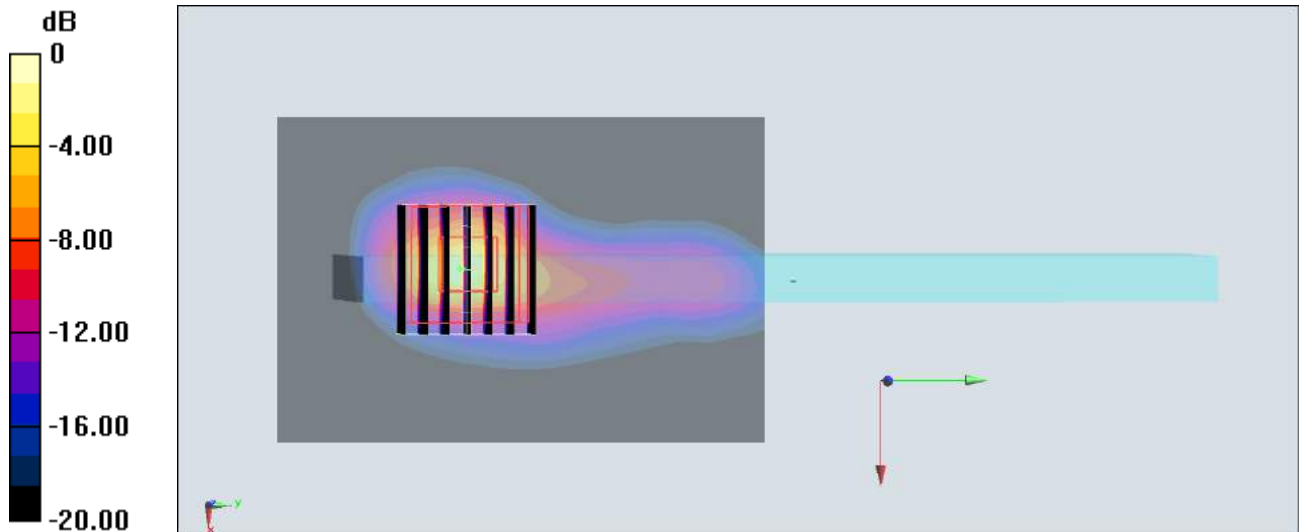
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.77 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 2.37 W/kg; SAR(10 g) = 0.497 W/kg

Maximum value of SAR (measured) = 6.81 W/kg



0 dB = 6.81 W/kg = 8.33 dBW/kg

#38_WLAN5GHz_802.11ac-VHT80 MCS0_Right Side_0mm_Ch122

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.092

Medium: HSL_5G_190607 Medium parameters used : $f = 5610$ MHz; $\sigma = 4.853$ S/m; $\epsilon_r = 36.576$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration

- Probe: EX3DV4 - SN3728; ConvF(4.2, 4.2, 4.2) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (51x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.15 W/kg

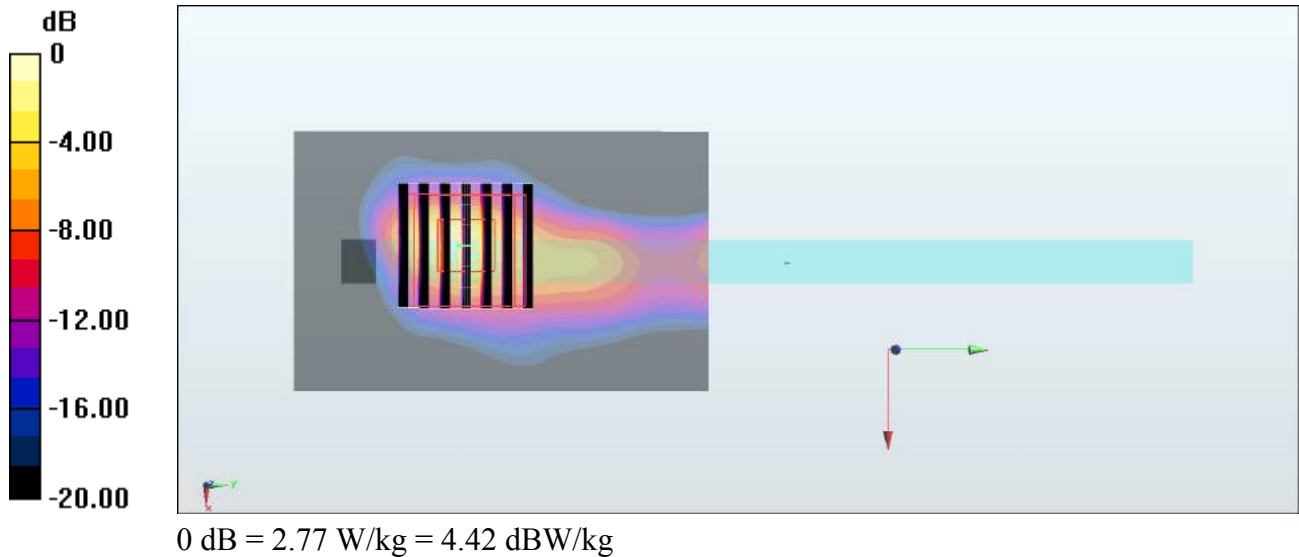
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 21.57 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 5.08 W/kg

SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 2.77 W/kg



#39_WLAN5GHz_802.11n-HT40 MCS0_Right Side_0mm_Ch159

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1.055

Medium: HSL_5G_190607 Medium parameters used : $f = 5795$ MHz; $\sigma = 5.044$ S/m; $\epsilon_r = 36.402$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration

- Probe: EX3DV4 - SN3728; ConvF(4.26, 4.26, 4.26) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.37 W/kg

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

Reference Value = 12.55 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 1.60 W/kg

