

P97 n71_DFT-s-OFDM_QPSK15M_Front Face_1cm_Ch136100_36RB_OS19_Ant2

Communication System: NR; Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium: HSL750_1215 Medium parameters used: $f = 680.5$ MHz; $\sigma = 0.861$ S/m; $\epsilon_r = 41.111$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.59, 9.59, 9.59) @ 680.5 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x131x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.210 W/kg

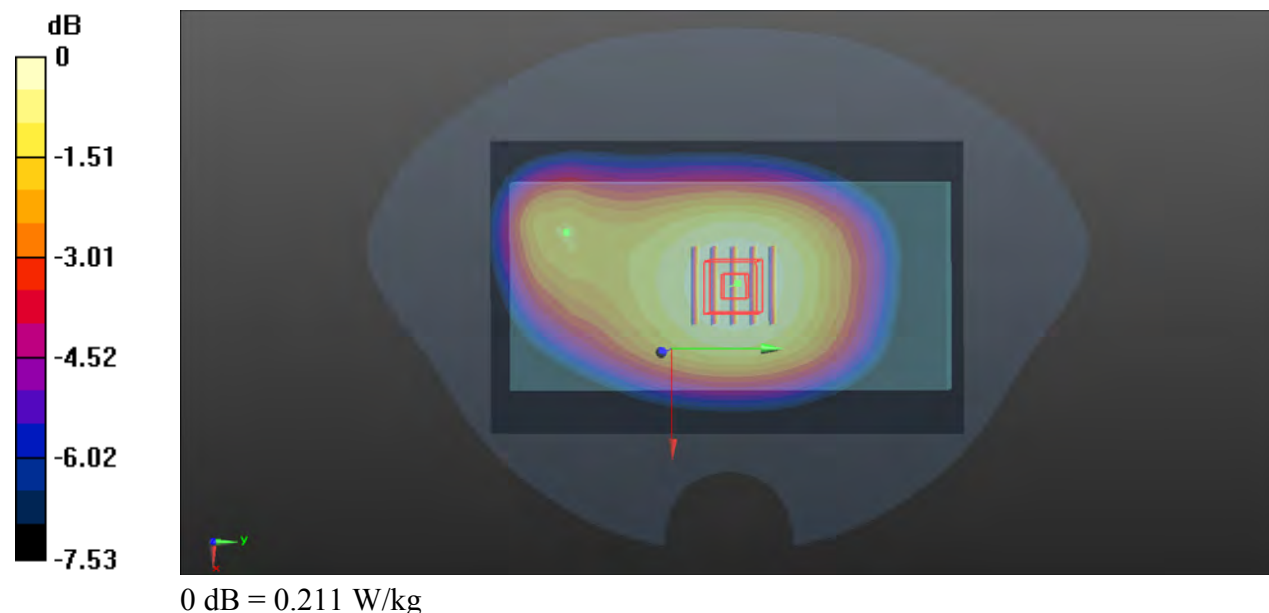
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.11 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.211 W/kg



P98 n77_DFT-s-OFDM_QPSK100M_Top Side_1cm_Ch633334_1RB_OS1_Ant7

Communication System: NR TDD; Frequency: 3500.01 MHz; Duty Cycle: 1:2.5

Medium: HSL3500_1219 Medium parameters used: $f = 3500.01$ MHz; $\sigma = 3.013$ S/m; $\epsilon_r = 39.686$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(6.77, 6.77, 6.77) @ 3500.01 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (51x101x1)**: Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.564 W/kg

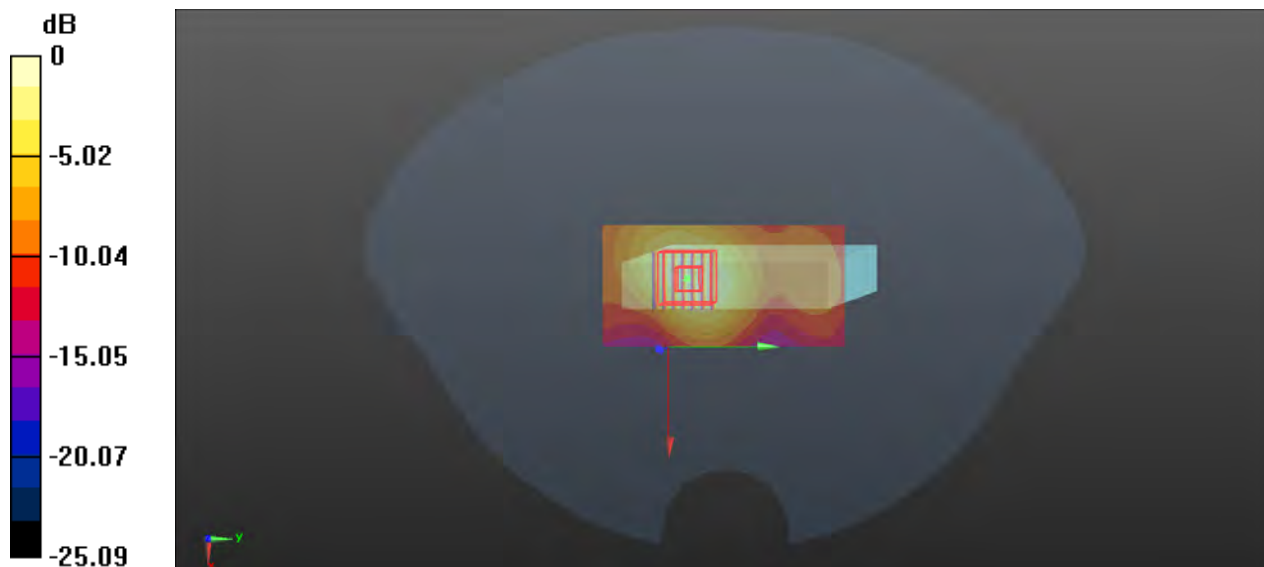
- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 8.926 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.780 W/kg

SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.557 W/kg



0 dB = 0.557 W/kg

P99 n77_DFT-s-OFDM_QPSK100M_Left Side_1cm_Ch650000_1RB_OS1_Ant7

Communication System: NR TDD; Frequency: 3750 MHz; Duty Cycle: 1:2.5

Medium: HSL3700_1219 Medium parameters used: $f = 3750$ MHz; $\sigma = 3.054$ S/m; $\epsilon_r = 39.198$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(6.61, 6.61, 6.61) @ 3750 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (51x121x1)**: Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.556 W/kg

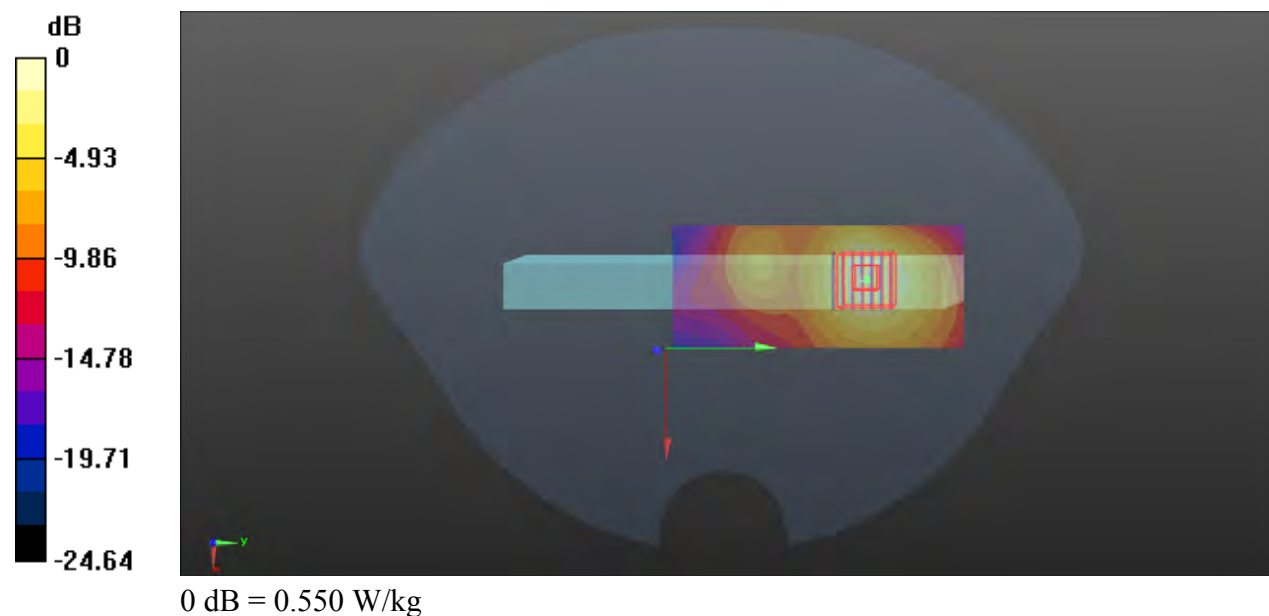
- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.016 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.825 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.154 W/kg

Maximum value of SAR (measured) = 0.550 W/kg



P100 WLAN2.4G_802.11b_Rear Face_1cm_Ch6_Ant8+9

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1.02

Medium: HSL2450_1218 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 37.666$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2437 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.565 W/kg

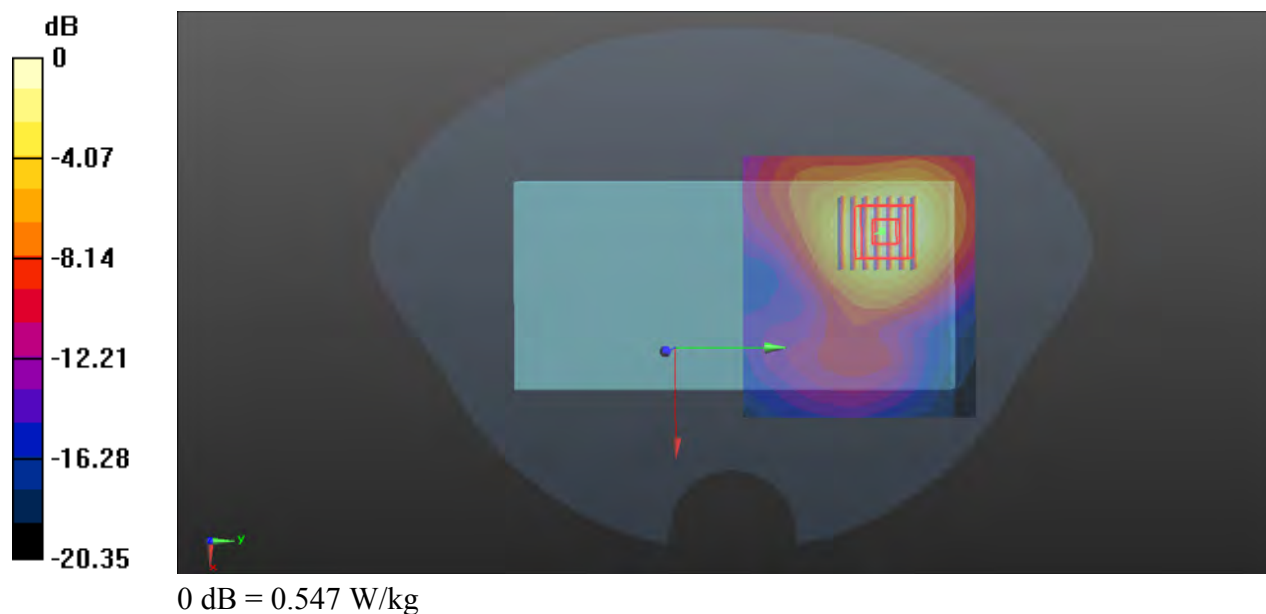
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.214 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.706 W/kg

SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.214 W/kg

Maximum value of SAR (measured) = 0.547 W/kg



P101 WLAN5G_802.11a_Top Side_1cm_Ch40_Ant8

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1.03

Medium: HSL5G_1220 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.647$ S/m; $\epsilon_r = 36.202$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5200 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- Area Scan (51x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.330 W/kg

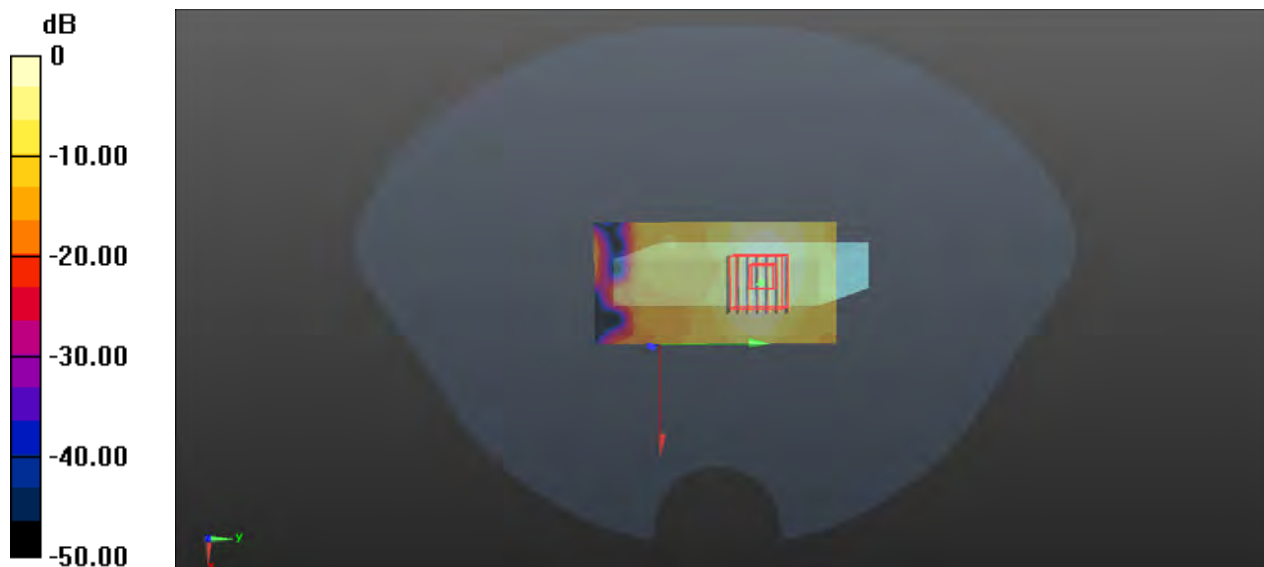
- Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 2.109 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.060 W/kg

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



0 dB = 0.315 W/kg

P102 WLAN5G_802.11a_Rear Face_1cm_Ch149_Ant8+9

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.02

Medium: HSL5G_1222 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.296$ S/m; $\epsilon_r = 35.227$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5745 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- Area Scan (111x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.283 W/kg

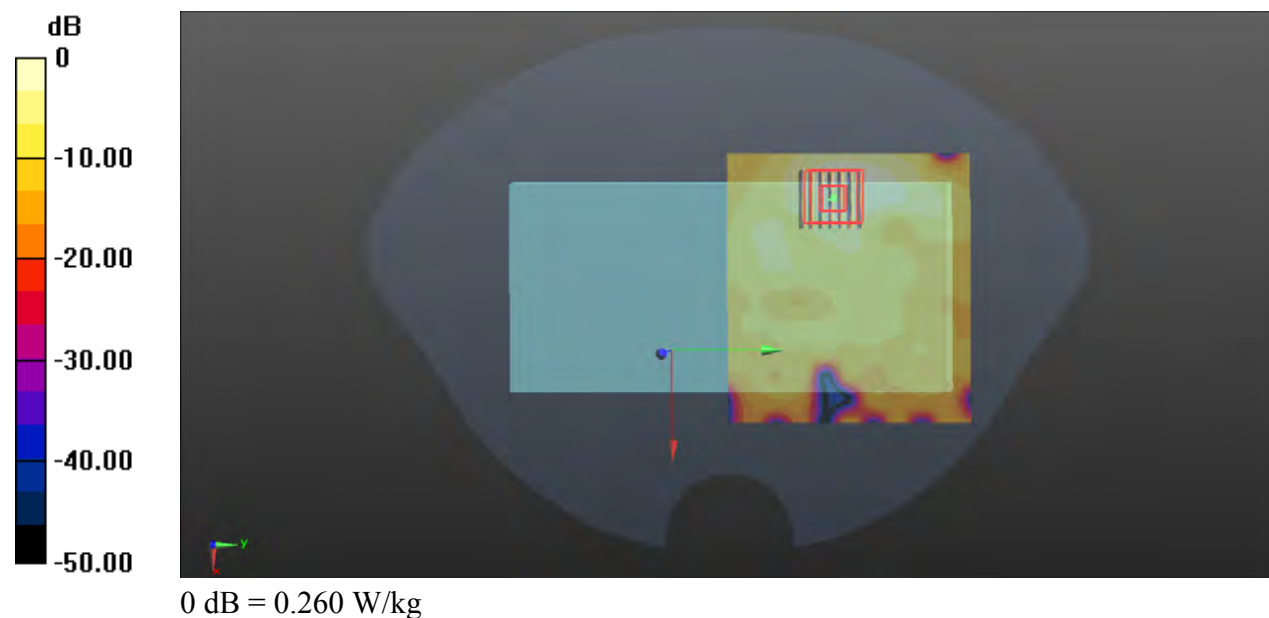
- Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.660 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.480 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.260 W/kg



P103 BT_GFSK_Rear Face_1cm_Ch39_Ant8

Communication System: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.31

Medium: HSL2450_1218 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.812$ S/m; $\epsilon_r = 37.644$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1):** Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

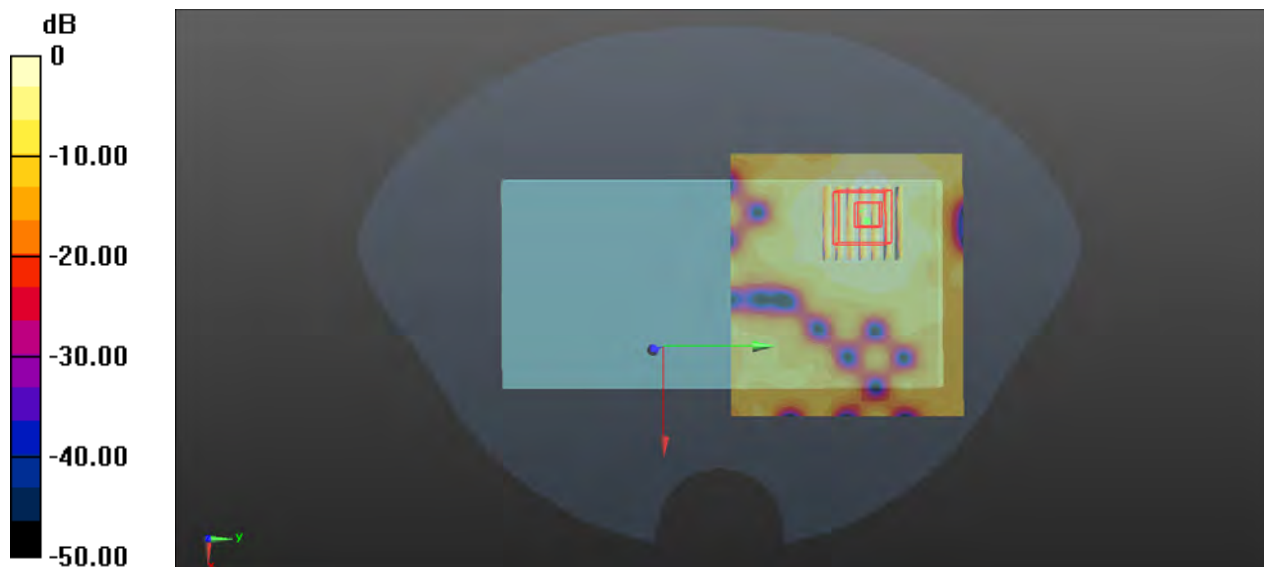
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.152 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0320 W/kg

SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00789 W/kg

Maximum value of SAR (measured) = 0.0243 W/kg



0 dB = 0.0243 W/kg

P104 BLE_S8_Rear Face_1cm_Ch19_Ant8

Communication System: BT; Frequency: 2440 MHz; Duty Cycle: 1:1.21

Medium: HSL2450_1218 Medium parameters used: $f = 2440$ MHz; $\sigma = 1.811$ S/m; $\epsilon_r = 37.65$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1°C; Liquid Temperature : 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2440 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0607 W/kg

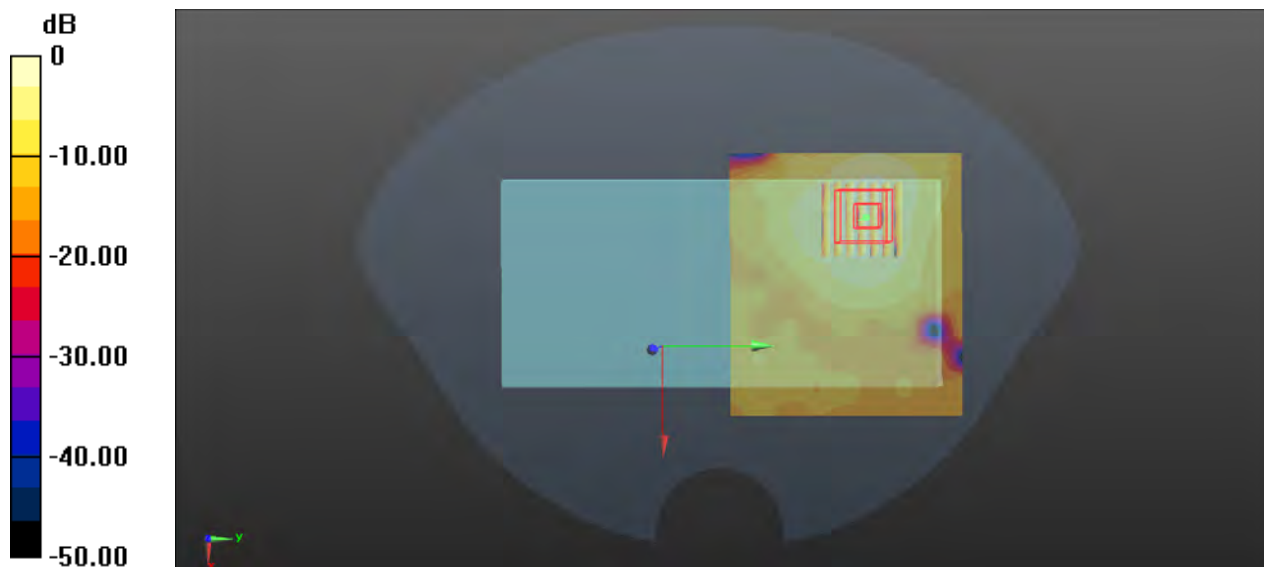
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.438 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0750 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0578 W/kg



0 dB = 0.0578 W/kg

P105 WLAN5G_802.11a_Top Side_0cm_Ch52_Ant8

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1.03

Medium: HSL5G_1220 Medium parameters used: $f = 5260$ MHz; $\sigma = 4.718$ S/m; $\epsilon_r = 36.099$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5260 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (51x101x1):** Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.34 W/kg

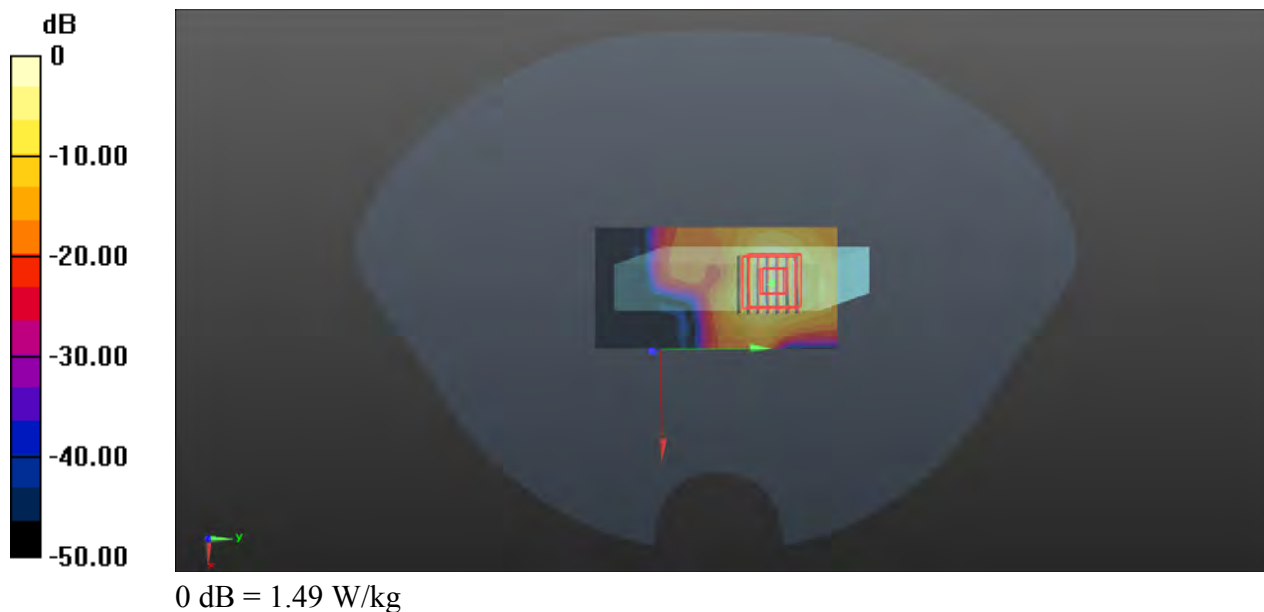
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.566 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.84 W/kg

SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 1.49 W/kg



P106 WLAN5G_802.11a_Rear Face_0cm_Ch132_Ant8+9

Communication System: 802.11a; Frequency: 5660 MHz; Duty Cycle: 1:1.03

Medium: HSL5G_1221 Medium parameters used: $f = 5660$ MHz; $\sigma = 5.197$ S/m; $\epsilon_r = 35.405$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.47, 4.47, 4.47) @ 5660 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (111x101x1)**: Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.78 W/kg

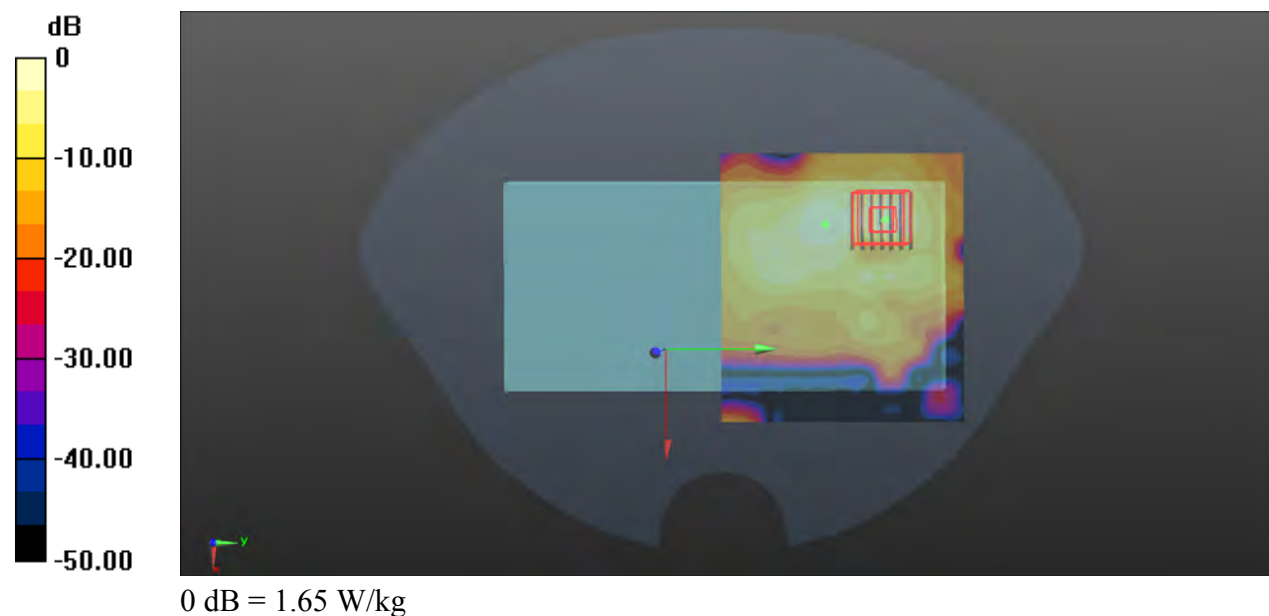
- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 7.084 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.32 W/kg

SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 1.65 W/kg





Appendix C. Calibration Certificate for Probe and Dipole

The SPEAG calibration certificates are shown as follows.