Test Laboratory: BV 7LAYERS SAR/HAC Testing Lab Date: 2022/12/15

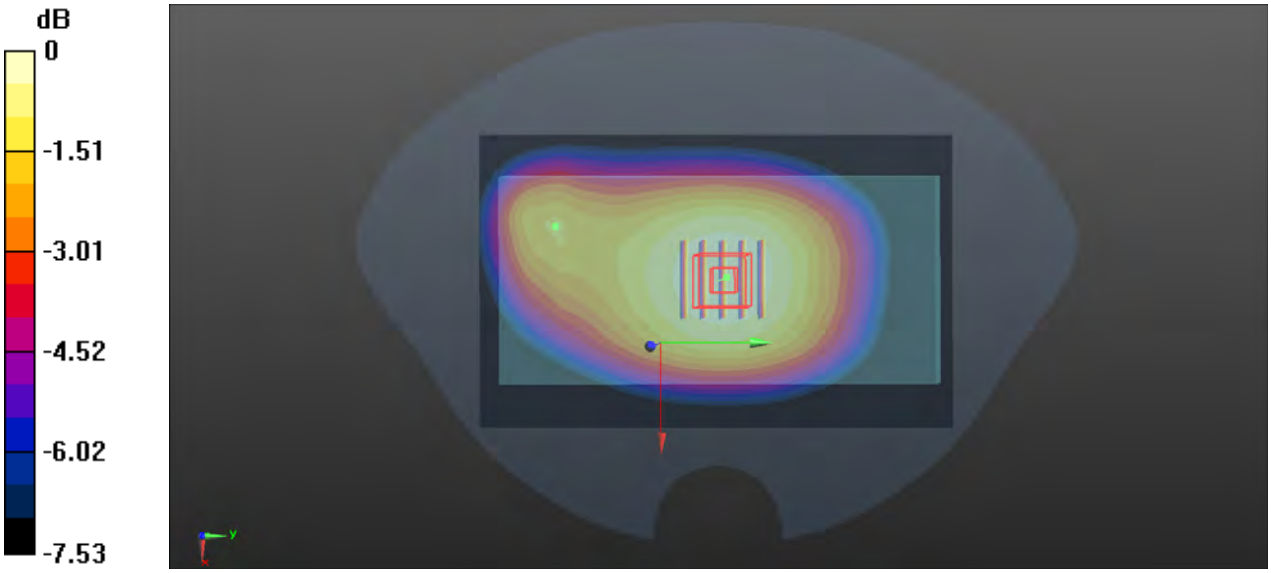
P97 n71_DFT-s-OFDM_QPSK15M_Front Face_1cm_Ch136100_36RB_OS19_Ant2

Communication System: NR; Frequency: 680.5 MHz;Duty Cycle: 1:1
Medium: HSL750_1215 Medium parameters used: f = 680.5 MHz; σ = 0.861 S/m; ε_r = 41.111; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃； Liquid Temperature：22.7℃

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=8mm, dy=8mm, dz=5mm
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



0 dB = 0.211 W/kg

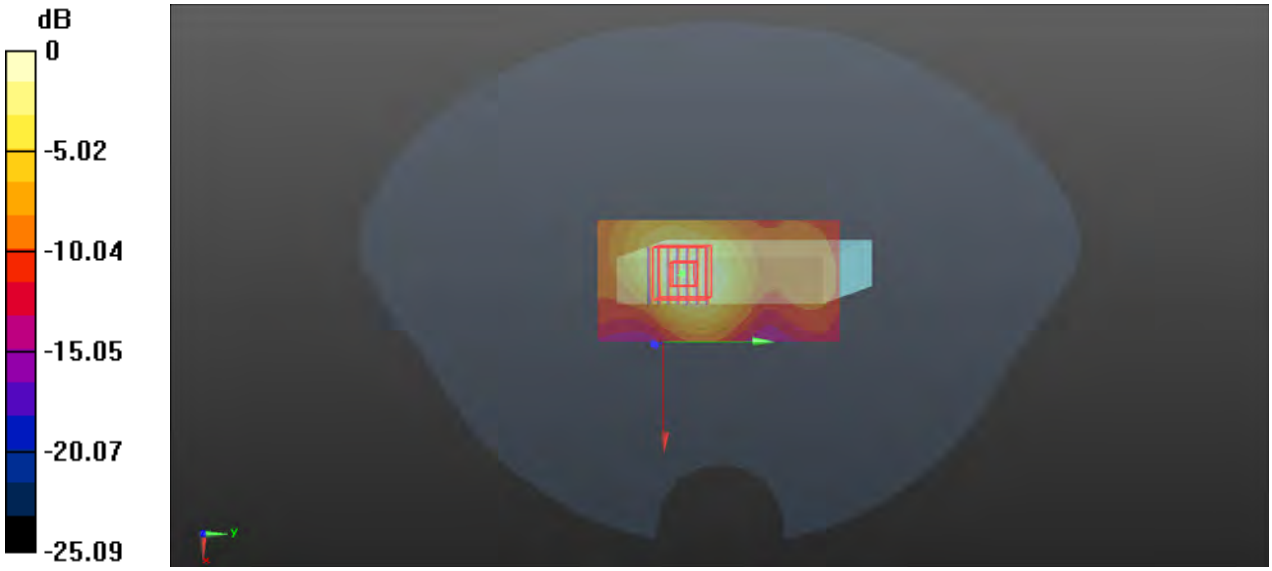
P98 n77_DFT-s-OFDM_QPSK100M_Top Side_1cm_Ch633334_1RB_OS1_Ant7

Communication System: NR TDD; Frequency: 3500.01 MHz;Duty Cycle: 1:2.5
Medium: HSL3500_1219 Medium parameters used: f = 3500.01 MHz; σ = 3.013 S/m; ε_r = 39.686; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃； Liquid Temperature：22.3℃

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=4mm, dy=4mm, dz=2mm
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

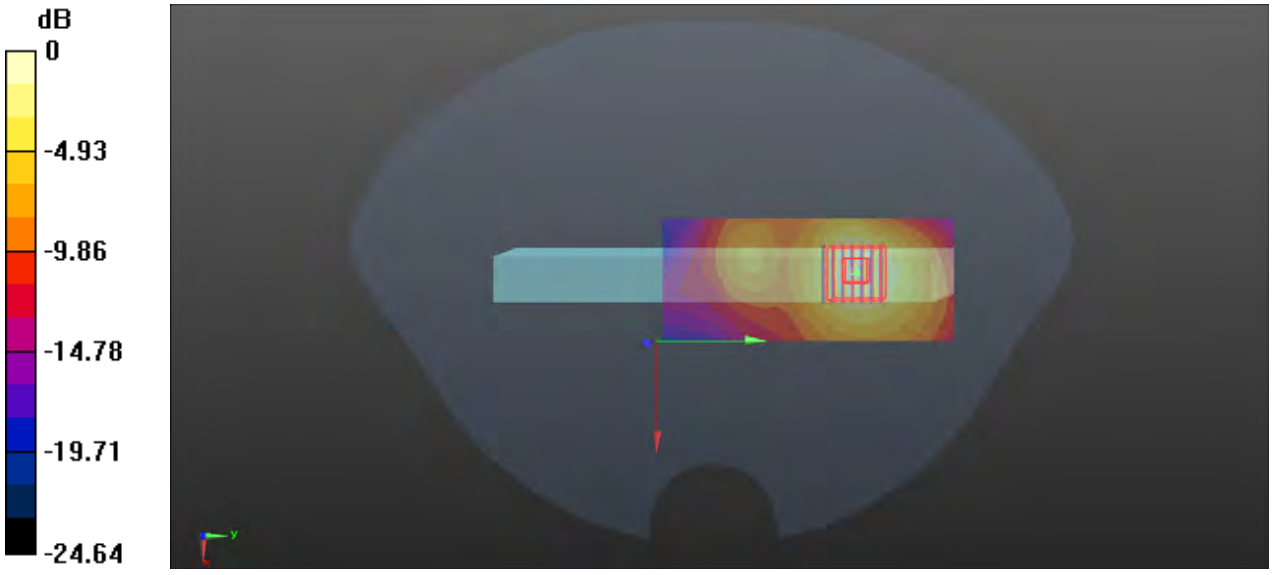
P99 n77_DFT-s-OFDM_QPSK100M_Left Side_1cm_Ch650000_1RB_OS1_Ant7

Communication System: NR TDD; Frequency: 3750 MHz;Duty Cycle: 1:2.5
Medium: HSL3700_1219 Medium parameters used: f = 3750 MHz; σ = 3.054 S/m; ε_r = 39.198; ρ = 1000 kg/m^3
Ambient Temperature：23.4℃； Liquid Temperature：22.5℃

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=4mm, dy=4mm, dz=2mm
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



0 dB = 0.550 W/kg

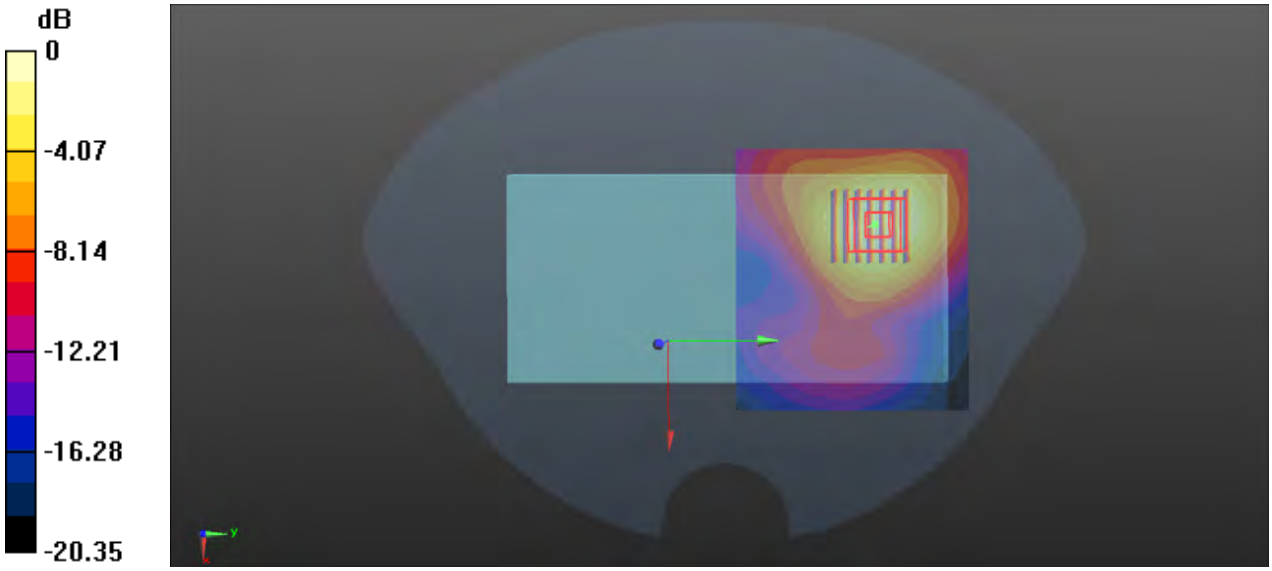
P100 WLAN2.4G_802.11b_Rear Face_1cm_Ch6_Ant8+9

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1.02
Medium: HSL2450_1218 Medium parameters used: f = 2437 MHz; σ = 1.808 S/m; ε_r = 37.666; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃； Liquid Temperature：22.1℃

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



0 dB = 0.547 W/kg

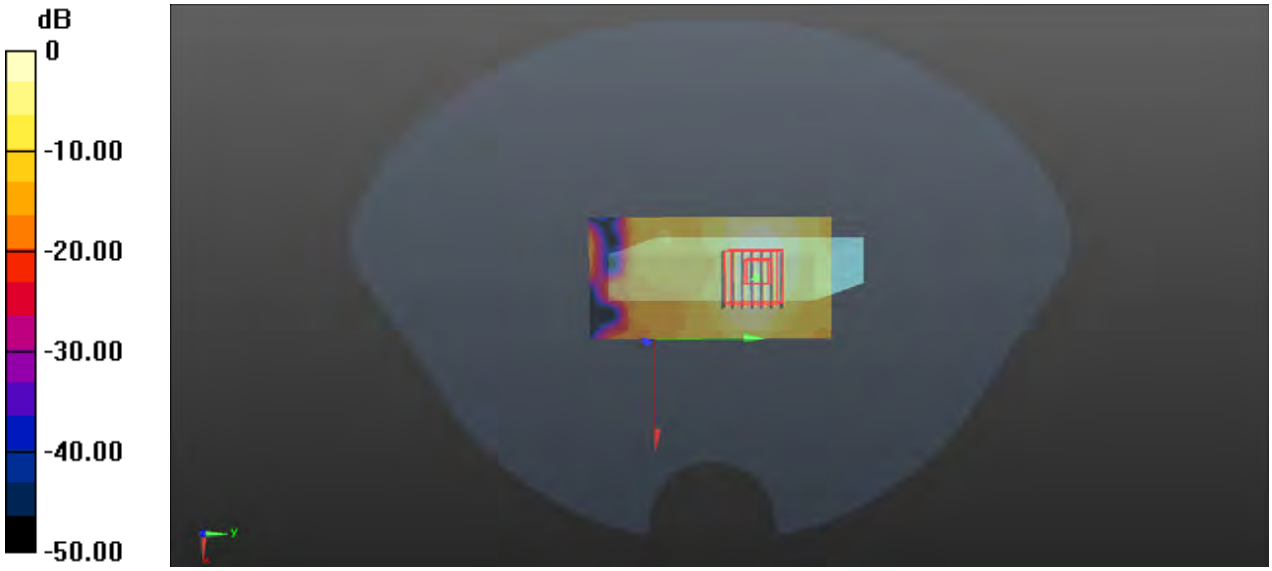
P101 WLAN5G_802.11a_Top Side_1cm_Ch40_Ant8

Communication System: 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1.03
Medium: HSL5G_1220 Medium parameters used: f = 5200 MHz; σ = 4.647 S/m; ε_r = 36.202; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃； Liquid Temperature：22.6℃

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=4mm, dy=4mm, dz=2mm
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

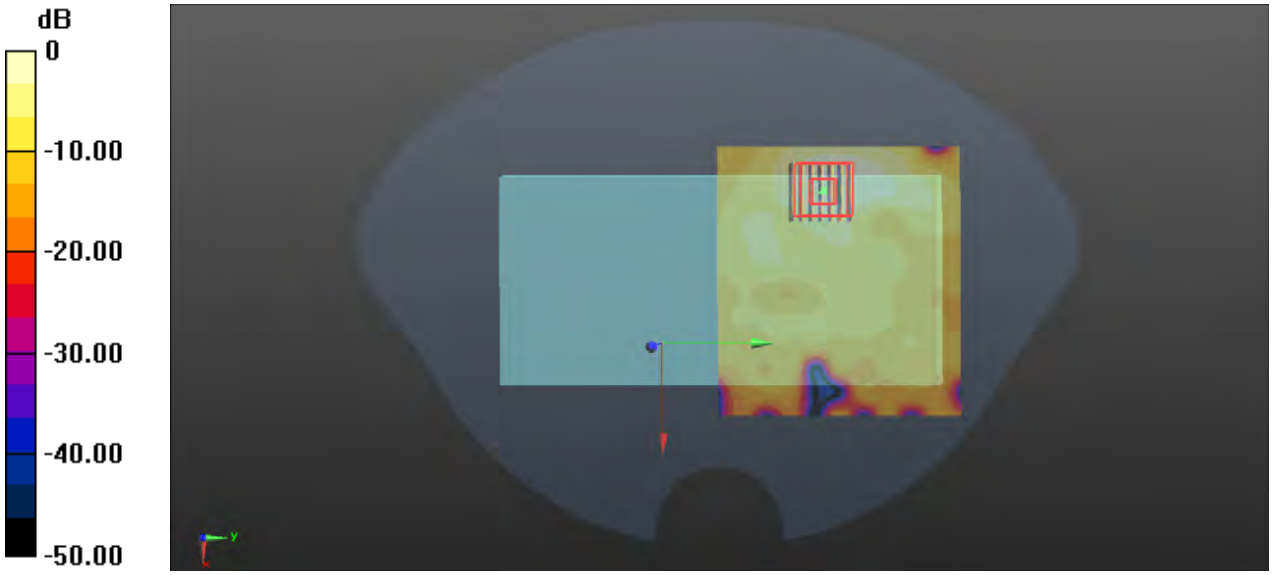
P102 WLAN5G_802.11a_Rear Face_1cm_Ch149_Ant8+9

Communication System: 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1.02
Medium: HSL5G_1222 Medium parameters used: f = 5745 MHz; σ = 5.296 S/m; ε_r = 35.227; ρ = 1000 kg/m^3
Ambient Temperature：23.6℃； Liquid Temperature：22.2℃

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=4mm, dy=4mm, dz=2mm
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



0 dB = 0.260 W/kg

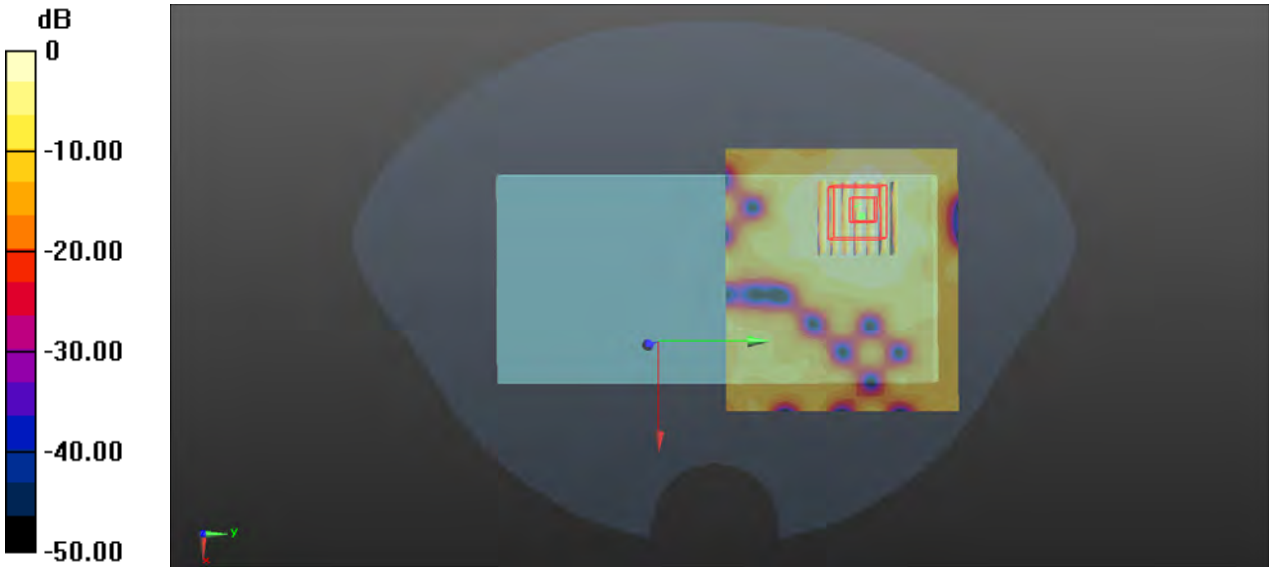
P103 BT_GFSK_Rear Face_1cm_Ch39_Ant8

Communication System: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.31
Medium: HSL2450_1218 Medium parameters used: f = 2441 MHz; σ = 1.812 S/m; ε_r = 37.644; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃； Liquid Temperature：22.1℃

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=5mm, dy=5mm, dz=5mm
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

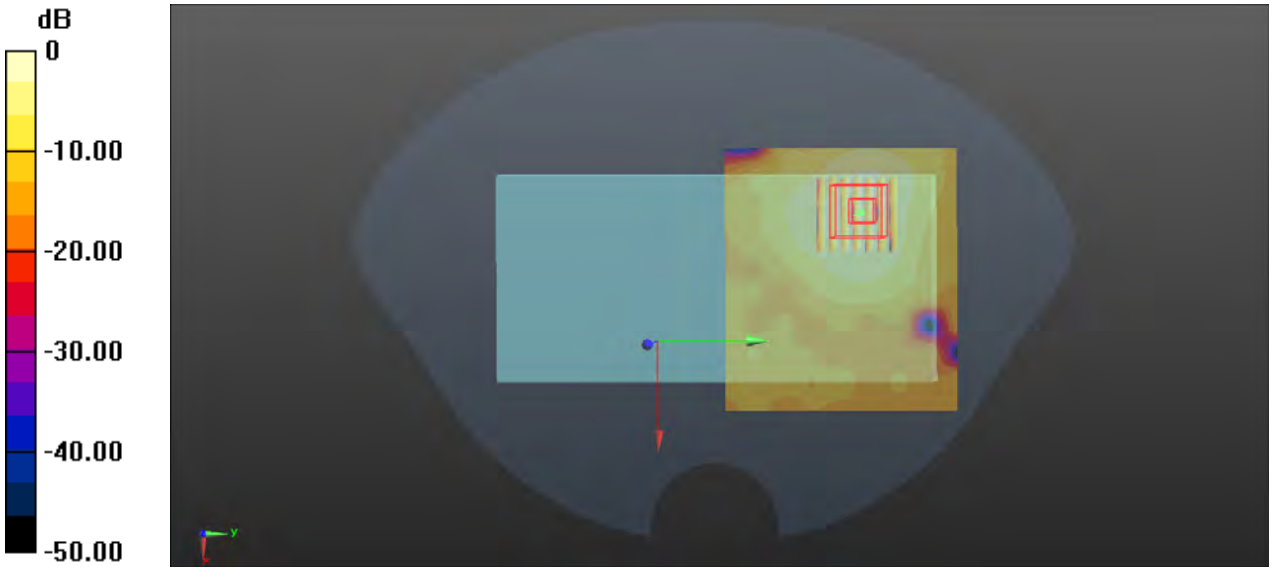
P104 BLE_S8_Rear Face_1cm_Ch19_Ant8

Communication System: BT; Frequency: 2440 MHz;Duty Cycle: 1:1.21
Medium: HSL2450_1218 Medium parameters used: f = 2440 MHz; σ = 1.811 S/m; ε_r = 37.65; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃； Liquid Temperature：22.1℃

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

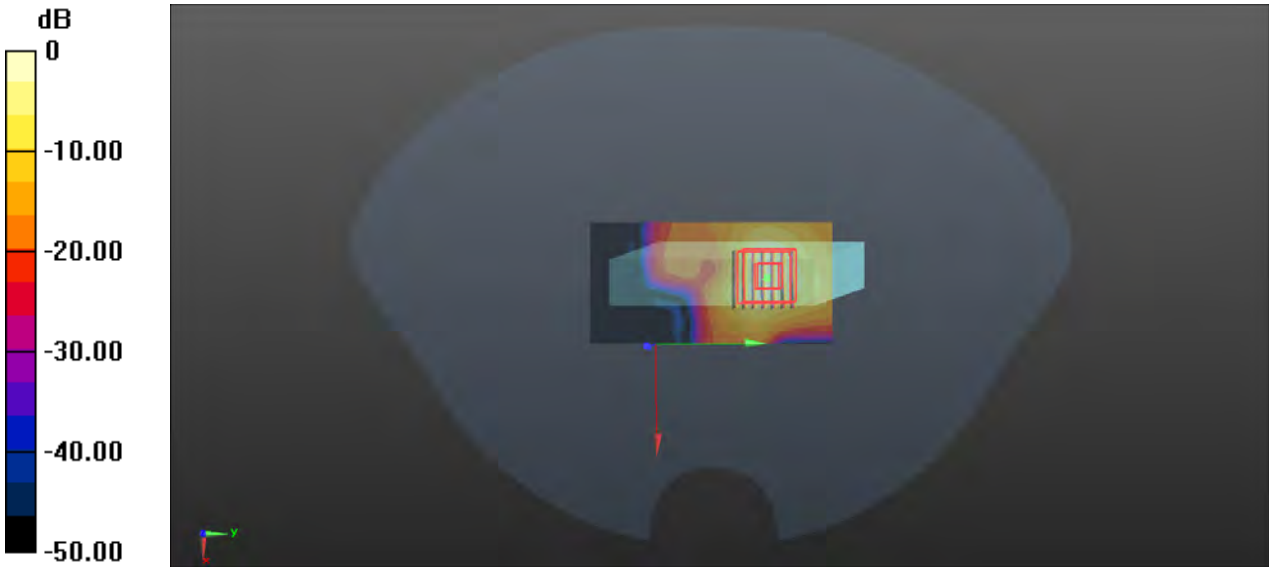
P105 WLAN5G_802.11a_Top Side_0cm_Ch52_Ant8

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1.03
Medium: HSL5G_1220 Medium parameters used: f = 5260 MHz; σ = 4.718 S/m; ε_r = 36.099; ρ = 1000 kg/m^3
Ambient Temperature：23.5℃； Liquid Temperature：22.6℃

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=4mm, dy=4mm, dz=2mm
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



0 dB = 1.49 W/kg

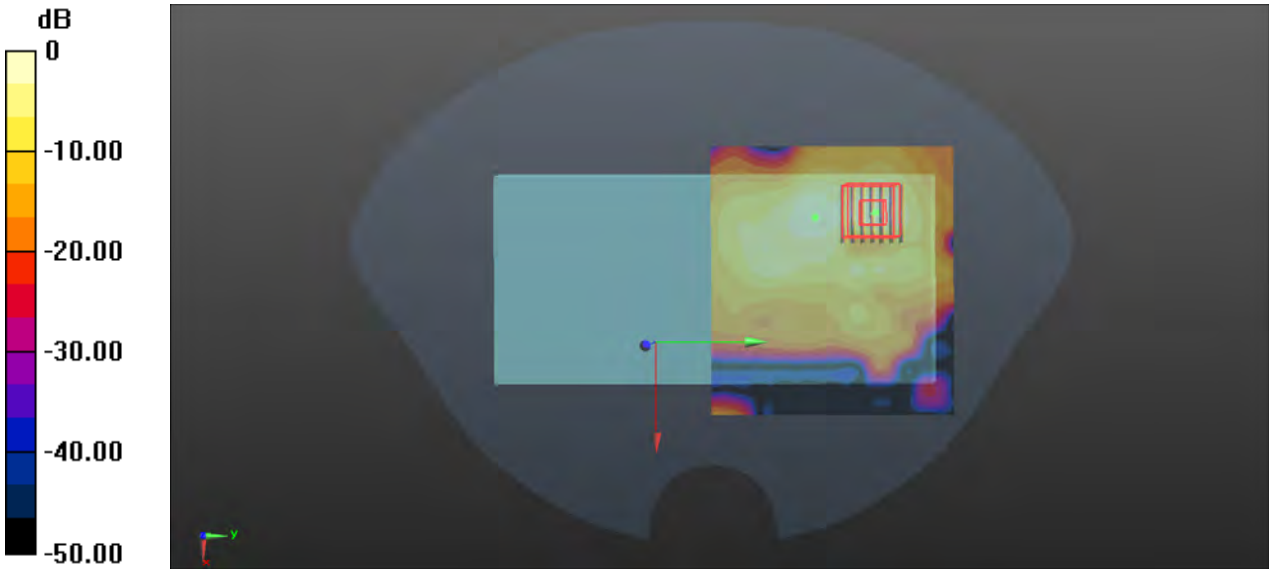
P106 WLAN5G_802.11a_Rear Face_0cm_Ch132_Ant8+9

Communication System: 802.11a; Frequency: 5660 MHz;Duty Cycle: 1:1.03
Medium: HSL5G_1221 Medium parameters used: f = 5660 MHz; σ = 5.197 S/m; ε_r = 35.405; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃； Liquid Temperature：22.4℃

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=4mm, dy=4mm, dz=2mm
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



0 dB = 1.65 W/kg

Appendix C. Calibration Certificate for Probe and Dipole

The SPEAG calibration certificates are shown as follows.