



REPORT No. : SZ18100025S01

Annex D Plots of Maximum SAR Test Results

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WLAN2.4GHz_802.11b 1Mbps_Front Side_10mm_Ch11

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL_2450_181018 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 40.042$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3154; ConvF(4.61, 4.61, 4.61); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0976 W/kg

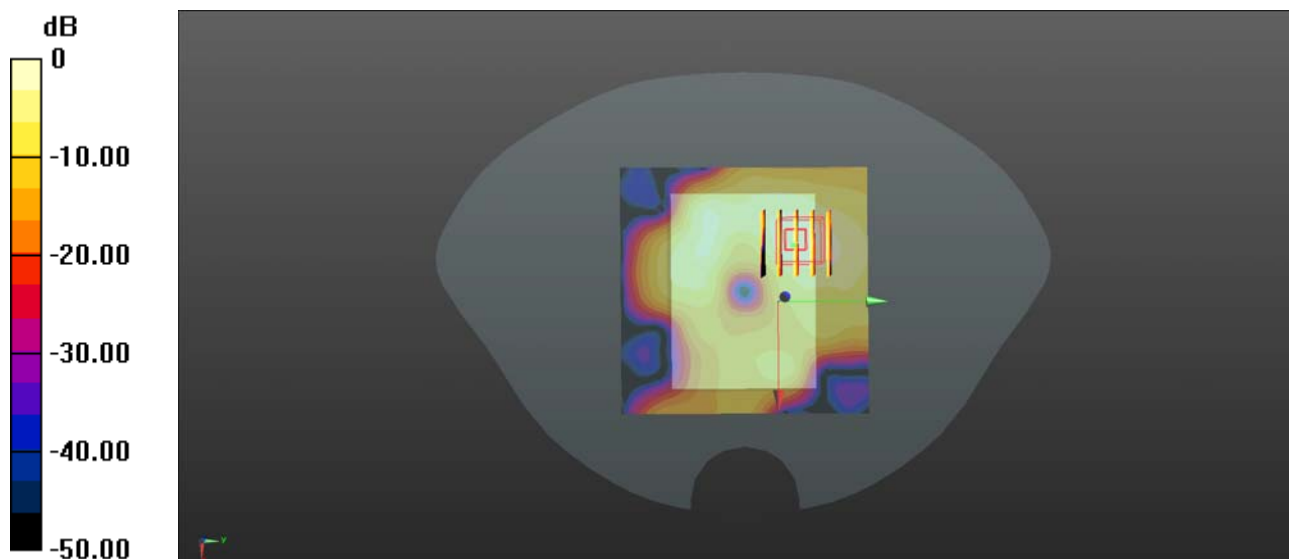
Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.35 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.052 W/kg

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



0 dB = 0.112 W/kg

WLAN 5GHz Band 1_802.11n-HT20 6.5Mbps_Front Side_10mm_Ch36

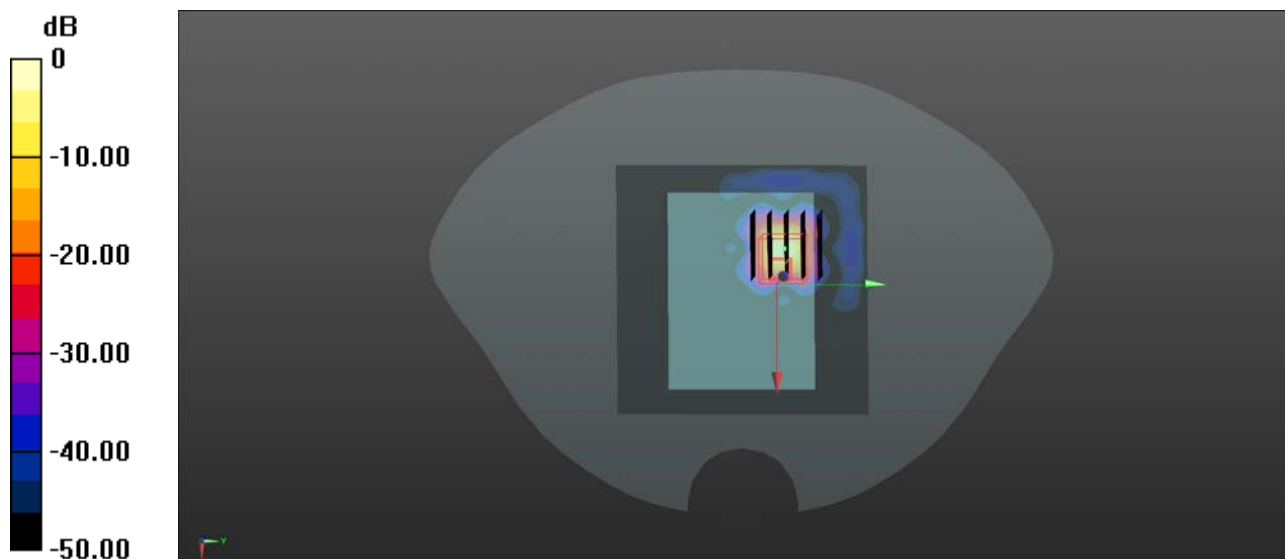
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5180 MHz;Duty Cycle: 1:1
 Medium: HSL_5200_181115 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.597 \text{ S/m}$; $\epsilon_r = 37.051$; $\rho = 1000 \text{ kg/m}^3$
 Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(5.28, 5.28, 5.28); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch36/Area Scan (61x61x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
 Maximum value of SAR (interpolated) = 0.0443 W/kg

Ch36/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
 Reference Value = 0.451 V/m; Power Drift = -0.11 dB
 Peak SAR (extrapolated) = 0.340 W/kg
SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.022 W/kg
 Maximum value of SAR (measured) = 0.0616 W/kg



0 dB = 0.0616 W/kg

WLAN 5GHz Band 2_802.11a 6Mbps_Front Side_10mm_Ch52

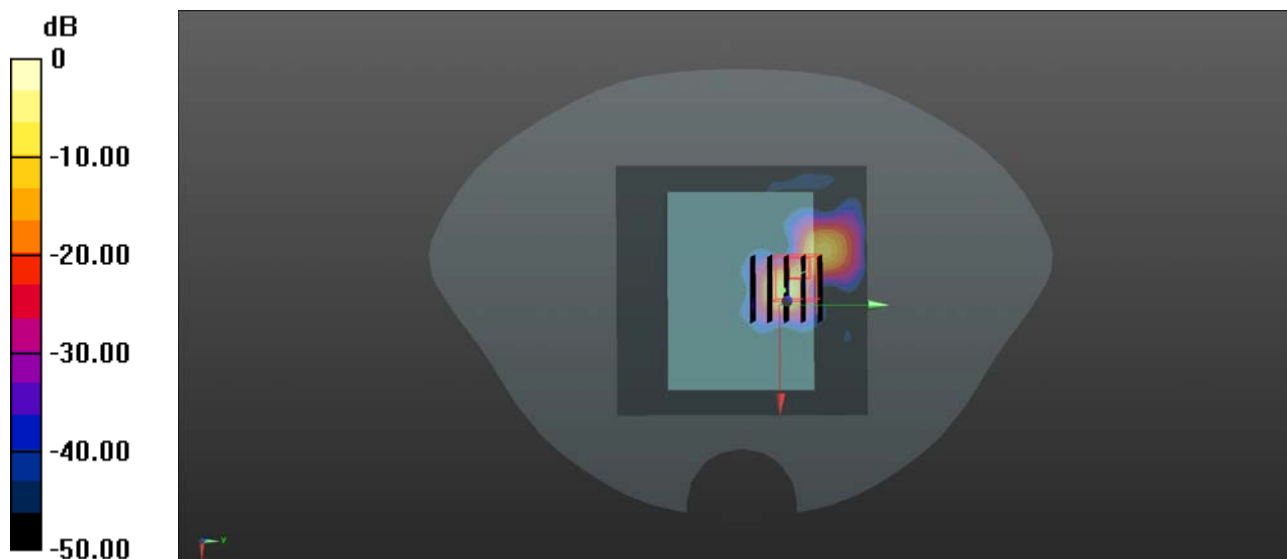
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5260 MHz;Duty Cycle: 1:1
 Medium: HSL_5200_181115 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.191 \text{ S/m}$; $\epsilon_r = 47.427$; $\rho = 1000 \text{ kg/m}^3$
 Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(5.28, 5.28, 5.28); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (61x61x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
 Maximum value of SAR (interpolated) = 0.0149 W/kg

Ch52/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
 Reference Value = 0.456 V/m; Power Drift = -0.09 dB
 Peak SAR (extrapolated) = 0.323 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.019 W/kg
 Maximum value of SAR (measured) = 0.0652 W/kg



0 dB = 0.0652 W/kg

WLAN 5GHz Band 4_802.11a 6Mbps_Front Side_10mm_Ch149

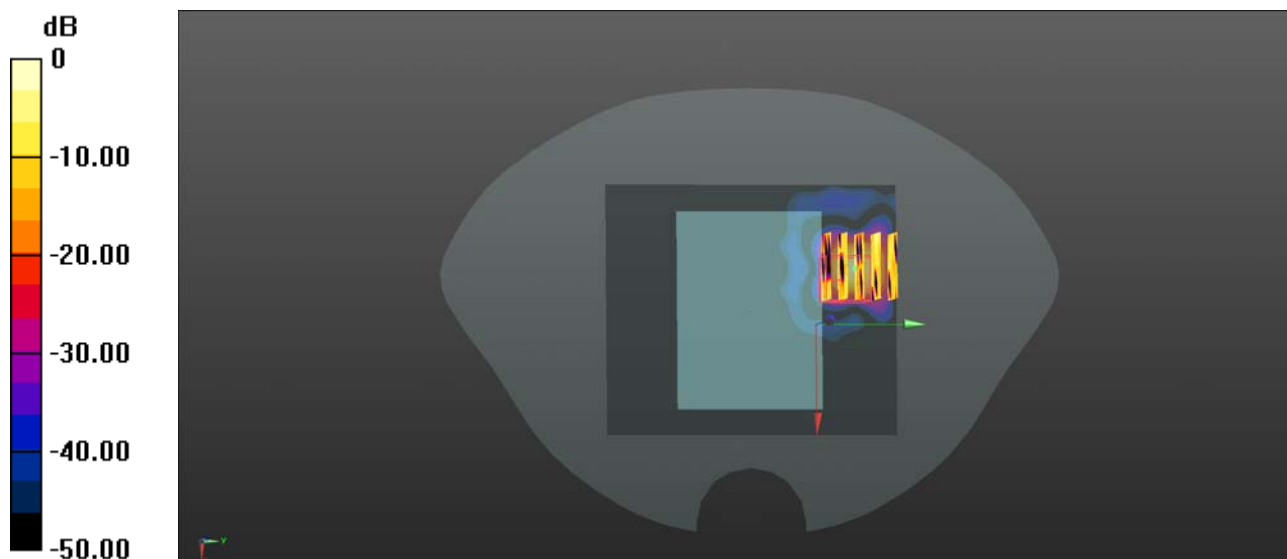
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: HSL_5200_181115 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.451$ S/m; $\epsilon_r = 35.785$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.60, 4.60, 4.60); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (61x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0211 W/kg

Ch149/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.145 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.188 W/kg
SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.00952 W/kg
Maximum value of SAR (measured) = 0.0324 W/kg



0 dB = 0.0324 W/kg

WLAN2.4GHz_802.11b 1Mbps_Back Side_0mm_Ch11

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: MSL_2450_181018 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.058$ S/m; $\epsilon_r = 50.542$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3154; ConvF(4.28, 4.28, 4.28); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.44 W/kg

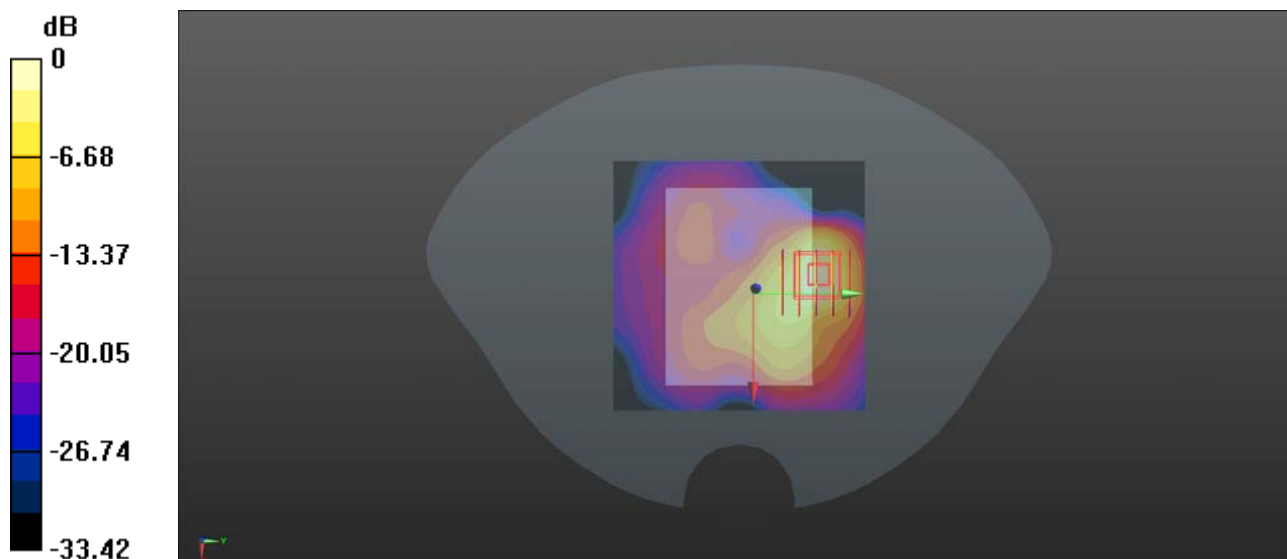
Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.873 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.531 W/kg

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



0 dB = 1.59 W/kg

WLAN 5GHz Band 1_802.11n-HT20 6.5Mbps_Back Side_0mm_Ch36

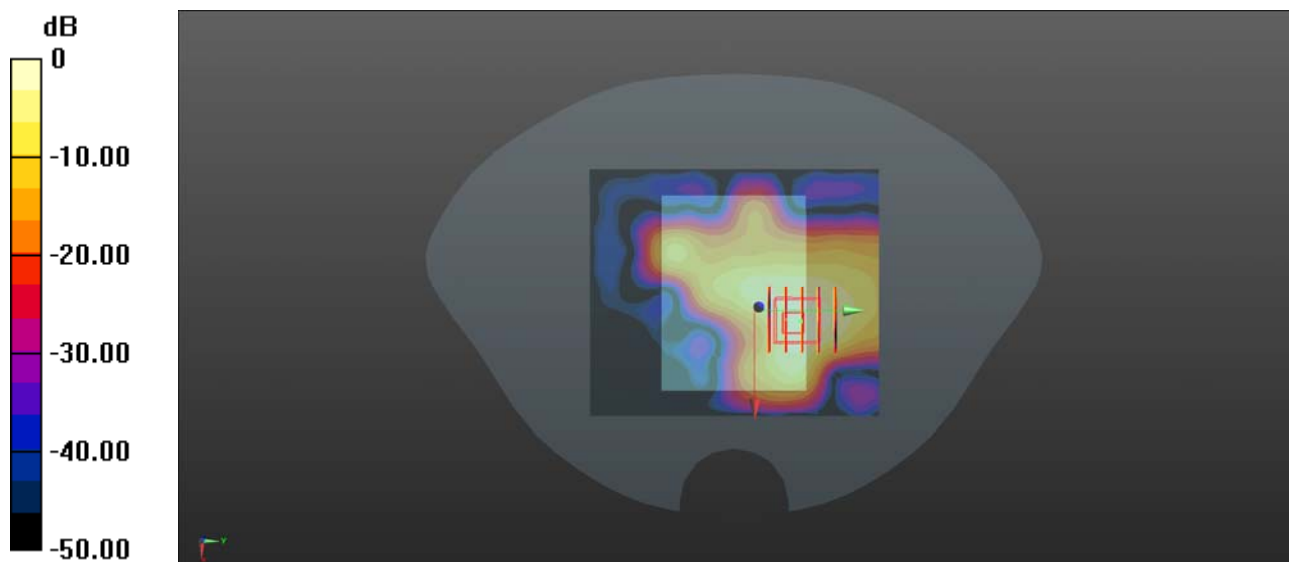
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5180 MHz; Duty Cycle: 1:1
 Medium: MSL_5200_181115 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.357 \text{ S/m}$; $\epsilon_r = 48.461$; $\rho = 1000 \text{ kg/m}^3$
 Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.73, 4.73, 4.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch36/Area Scan (61x71x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
 Maximum value of SAR (interpolated) = 0.755 W/kg

Ch36/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
 Reference Value = 2.560 V/m; Power Drift = 2.58 dB
 Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.221 W/kg
 Maximum value of SAR (measured) = 0.703 W/kg



0 dB = 0.703 W/kg

WLAN 5GHz Band 2_802.11a 6Mbps_Back Side_0mm_Ch52

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium: MSL_5200_181115 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.501 \text{ S/m}$; $\epsilon_r = 47.727$; $\rho = 1000 \text{ kg/m}^3$

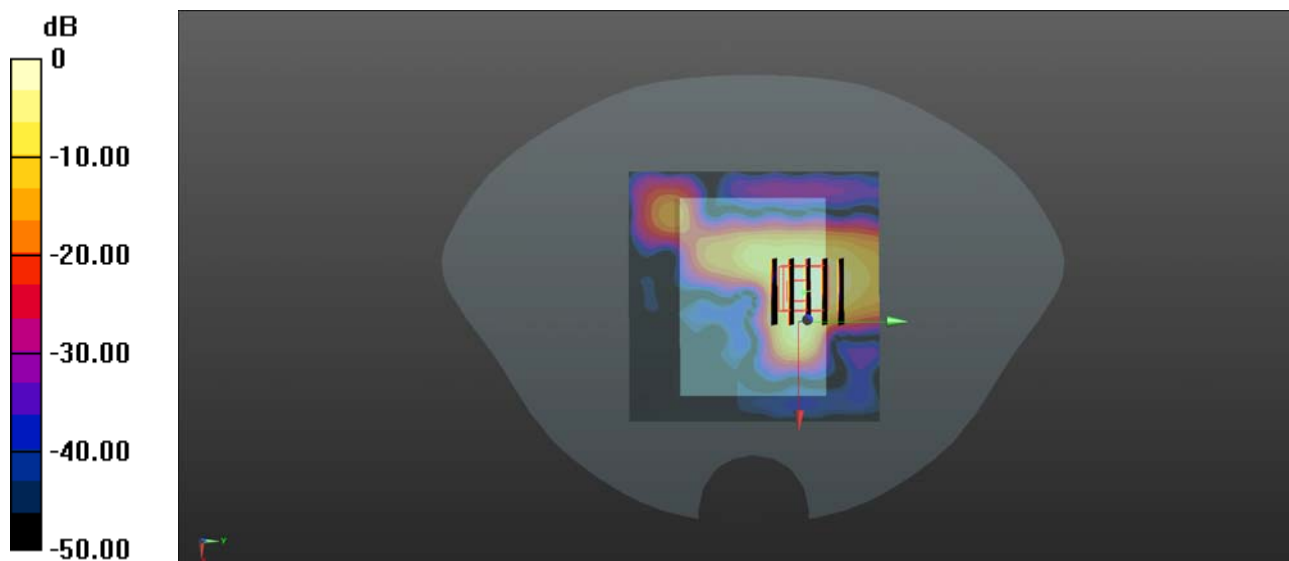
Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.73, 4.73, 4.73); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (61x61x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 1.12 W/kg

Ch52/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
Reference Value = 2.487 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 0.737 W/kg; SAR(10 g) = 0.236 W/kg
Maximum value of SAR (measured) = 0.911 W/kg



0 dB = 0.911 W/kg

WLAN 5GHz Band 4_802.11a 6Mbps_Back Side_0mm_Ch149

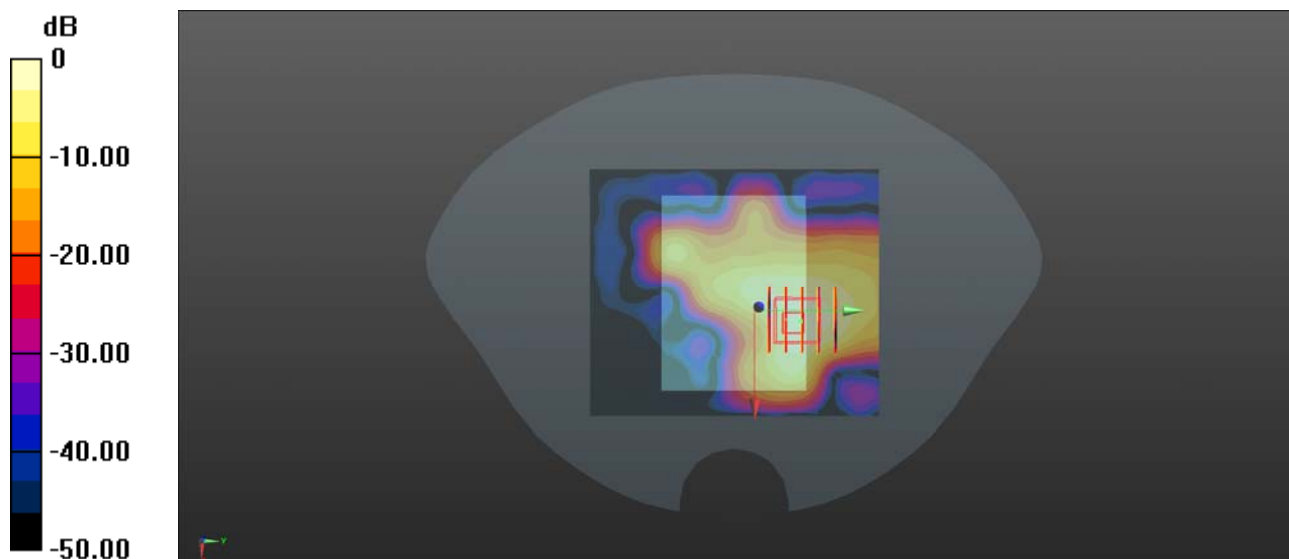
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: MSL_5200_181115 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.151$ S/m; $\epsilon_r = 46.888$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(3.98, 3.98, 3.98); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (61x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.563 W/kg

Ch149/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.076 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.142 W/kg
Maximum value of SAR (measured) = 0.426 W/kg



0 dB = 0.563 W/kg