

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/22

63_WLAN5GHz_802.11a 6Mbps_Back_15mm_Ch48

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1.024

Medium: HSL_5250 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.577$ S/m; $\epsilon_r = 35.777$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(6.15, 6.08, 6.01); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (121x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.483 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.721 V/m; Power Drift = 0.01 dB

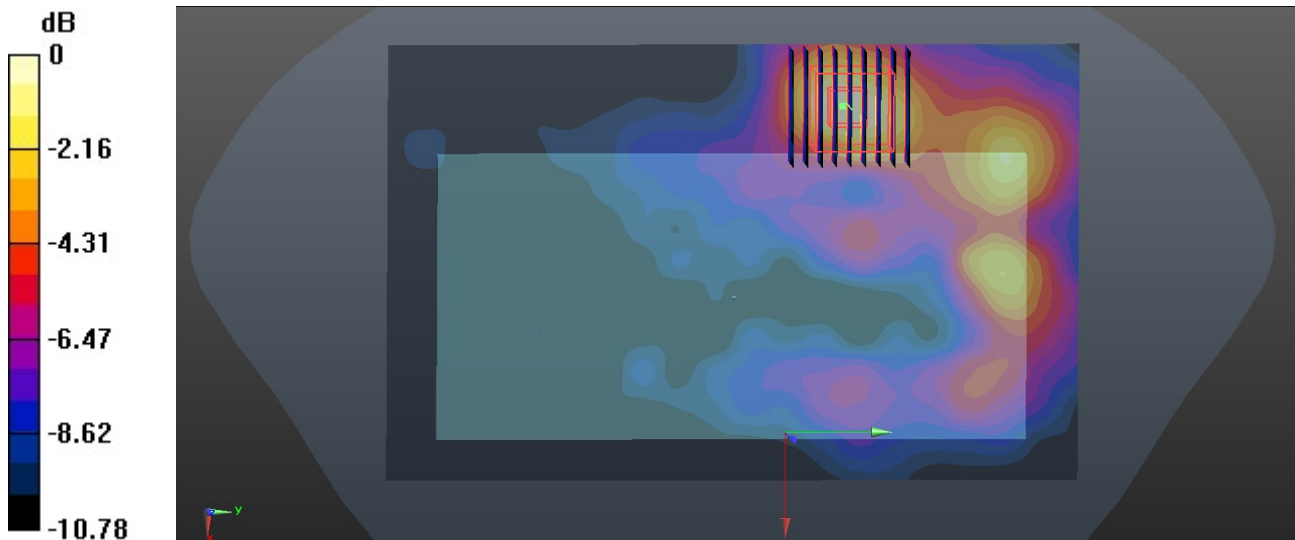
Peak SAR (extrapolated) = 0.650 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.123 W/kg

Smallest distance from peaks to all points 3 dB below = 11.5 mm

Ratio of SAR at M2 to SAR at M1 = 72.4%

Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.460 W/kg = -3.37 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/23

64_WLAN5GHz_802.11ax-HE80 MCS0_Back_15mm_Ch122

Communication System: UID 0, WIFI (0); Frequency: 5610 MHz; Duty Cycle: 1:1.152

Medium: HSL_5600 Medium parameters used: $f = 5610$ MHz; $\sigma = 4.964$ S/m; $\epsilon_r = 35.266$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(5.5, 5.44, 5.37); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (101x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.608 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.184 V/m; Power Drift = -0.03 dB

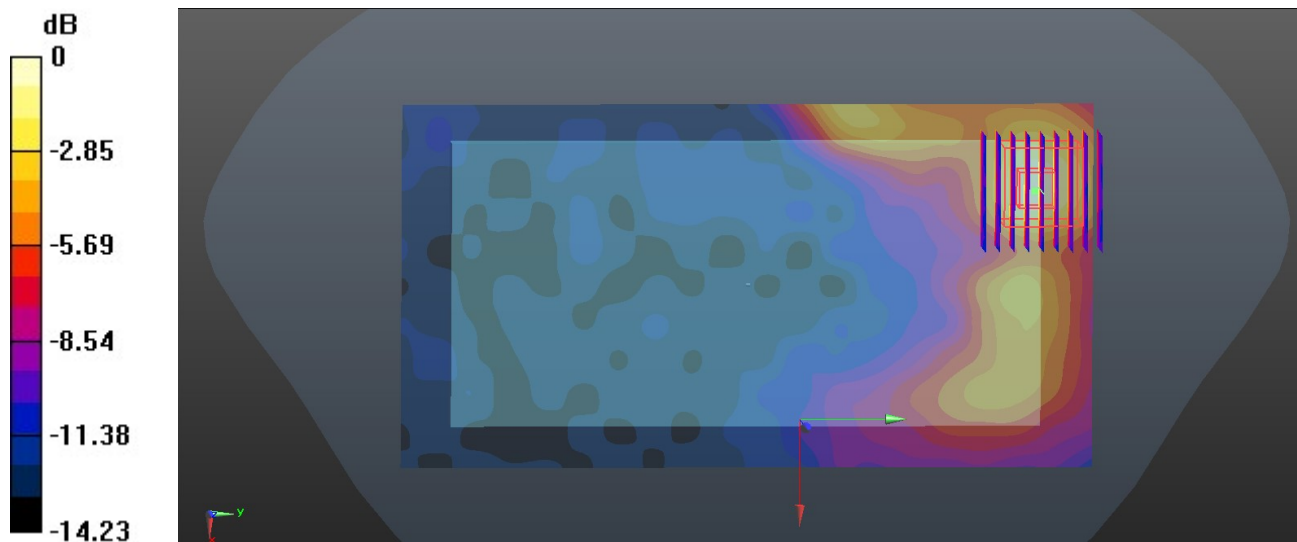
Peak SAR (extrapolated) = 0.958 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.147 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 68%

Maximum value of SAR (measured) = 0.608 W/kg



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/24

65_WLAN5GHz_802.11a 6Mbps_Back_15mm_Ch149

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1.024

Medium: HSL_5750 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.106$ S/m; $\epsilon_r = 35.077$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(5.47, 5.41, 5.34); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (101x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.740 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.698 V/m; Power Drift = 0.03 dB

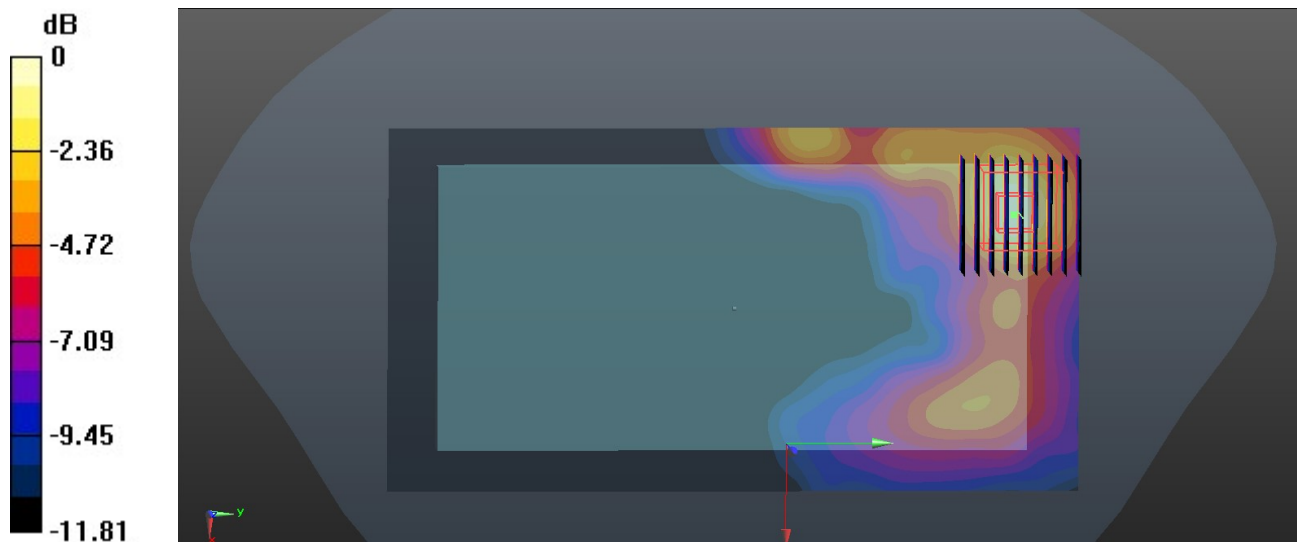
Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.171 W/kg

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 66%

Maximum value of SAR (measured) = 0.742 W/kg



0 dB = 0.742 W/kg = -1.30 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/13

66_LTE Band 13_10M_QPSK_1RB_0Offset_Left Side_0mm_Ch23230

Communication System: UID 0, LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL_750 Medium parameters used: $f = 782$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 42.152$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(10.48, 10.36, 10.24); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (41x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 7.09 W/kg

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

Reference Value = 1.575 V/m; Power Drift = -0.10 dB

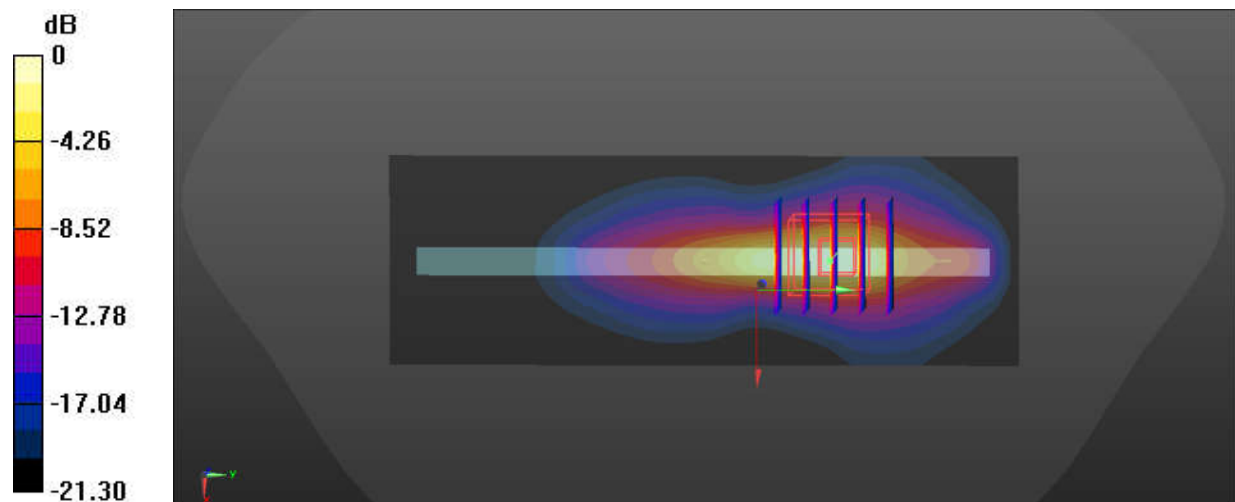
Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 2.99 W/kg; SAR(10 g) = 1.16 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 35.2%

Maximum value of SAR (measured) = 7.54 W/kg



0 dB = 7.54 W/kg = 8.77 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/14

67_GSM850_GPRS(4 Tx slots)_Left Side_0mm_Ch189

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 836.4 MHz; Duty Cycle: 1:2.08
 Medium: HSL_835 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.942$ S/m; $\epsilon_r = 41.848$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(10.19, 10.07, 9.95); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (41x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 4.27 W/kg

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

Reference Value = 37.40 V/m; Power Drift = -0.08 dB

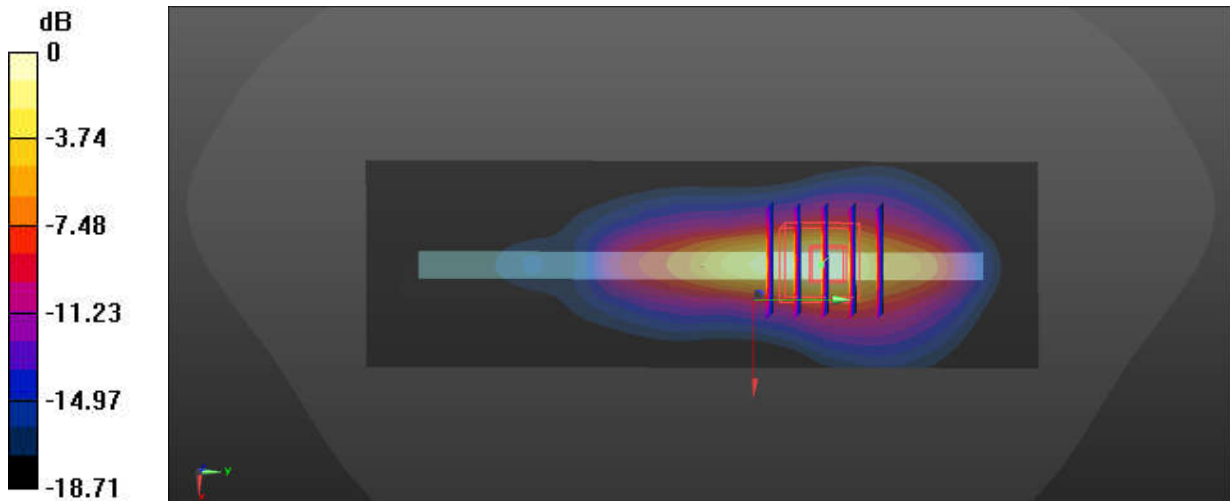
Peak SAR (extrapolated) = 8.52 W/kg

SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.03 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 32.8%

Maximum value of SAR (measured) = 4.09 W/kg



0 dB = 4.09 W/kg = 6.12 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/14

68_WCDMA V_RMC 12.2Kbps_Left Side_0mm_Ch4182

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL_835 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.942$ S/m; $\epsilon_r = 41.848$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(10.19, 10.07, 9.95); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (41x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.43 W/kg

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

Reference Value = 33.99 V/m; Power Drift = -0.10 dB

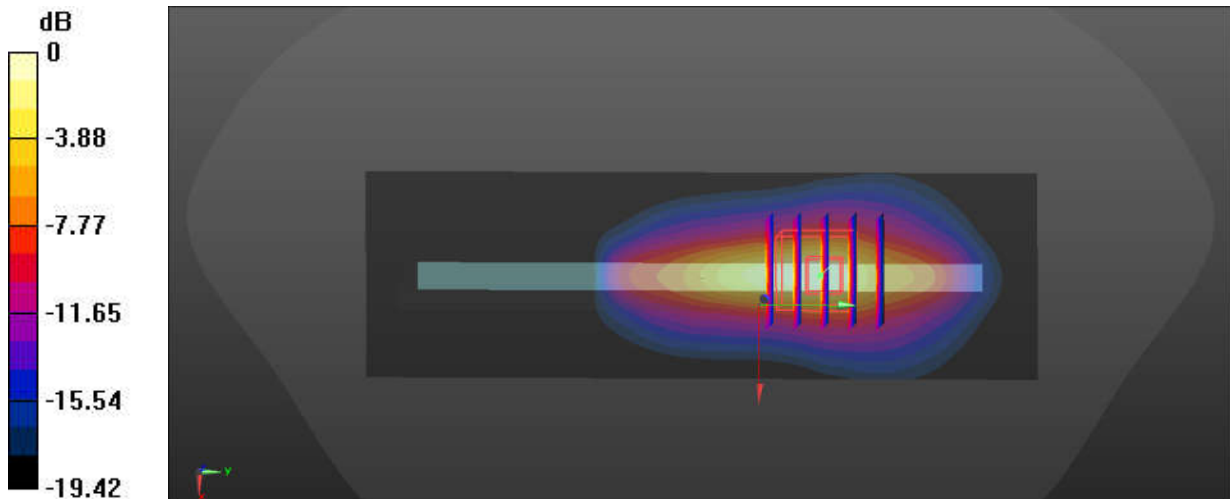
Peak SAR (extrapolated) = 6.75 W/kg

SAR(1 g) = 2.04 W/kg; SAR(10 g) = 0.816 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 32.8%

Maximum value of SAR (measured) = 3.27 W/kg



0 dB = 3.27 W/kg = 5.15 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/14

69_LTE Band 26_15M_QPSK_1RB_0Offset_Left Side_0mm_Ch26865

Communication System: UID 0, LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: HSL_835 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.861$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(10.19, 10.07, 9.95); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.41 W/kg

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

Reference Value = 1.635 V/m; Power Drift = -0.18 dB

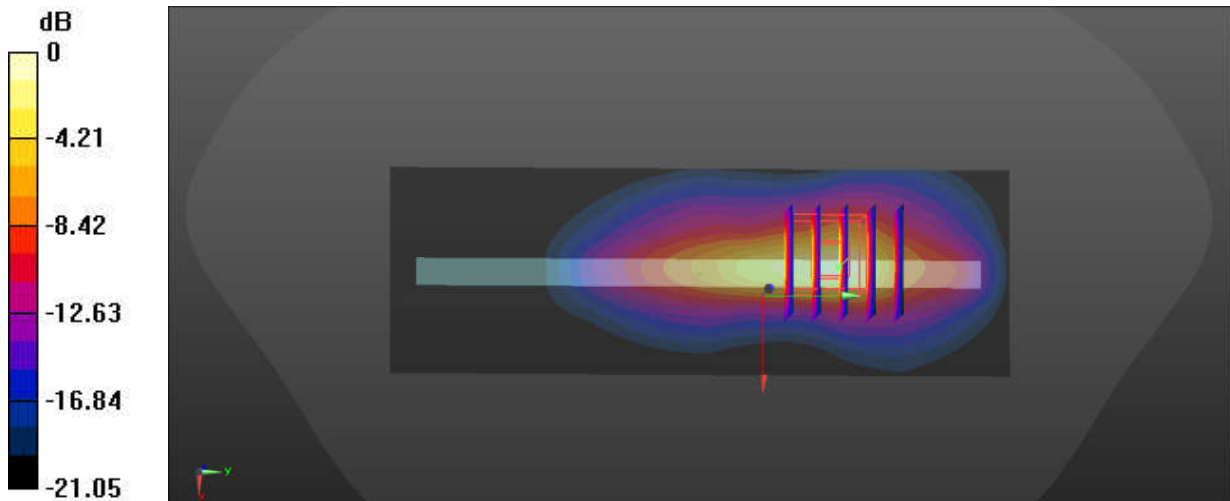
Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 3.5 W/kg; SAR(10 g) = 1.42 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 38.6%

Maximum value of SAR (measured) = 7.74 W/kg



0 dB = 7.74 W/kg = 8.89 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/17

70_WCDMA IV_RMC 12.2Kbps_Top Side_0mm_Ch1513

Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL_1750 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 39.735$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(8.74, 8.64, 8.54); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 5.90 W/kg

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

Reference Value = 66.99 V/m; Power Drift = -0.07 dB

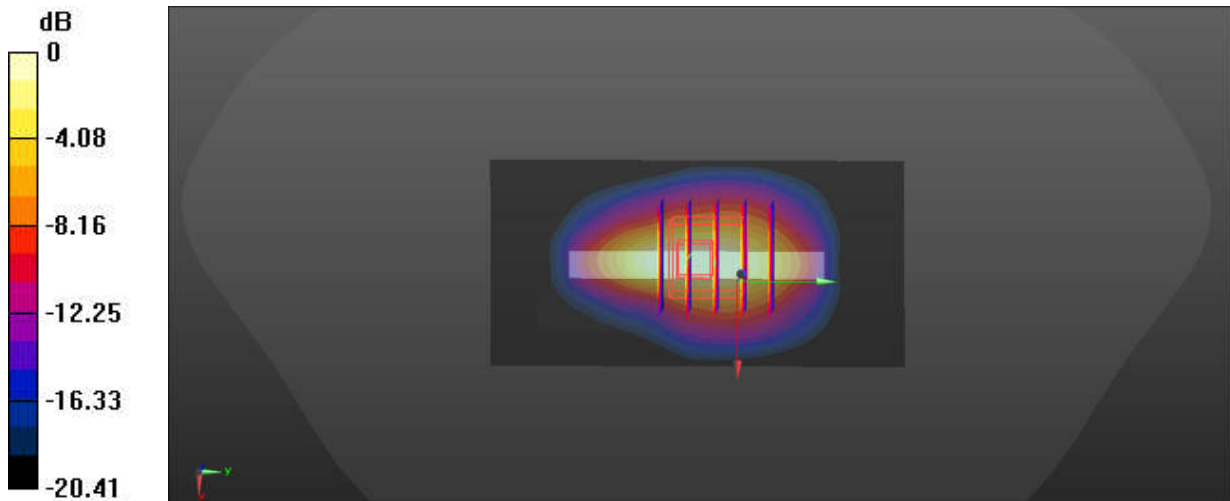
Peak SAR (extrapolated) = 9.31 W/kg

SAR(1 g) = 4.18 W/kg; SAR(10 g) = 1.96 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 43.9%

Maximum value of SAR (measured) = 6.02 W/kg



0 dB = 6.02 W/kg = 7.80 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/17

71_LTE Band 4_20M_QPSK_1RB_0Offset_Top Side_0mm_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1
 Medium: HSL_1750 Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.339 \text{ S/m}$; $\epsilon_r = 39.782$; $\rho = 1000 \text{ kg/m}^3$
 Ambient Temperature : $23.4 \text{ }^\circ\text{C}$; Liquid Temperature : $22.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(8.74, 8.64, 8.54); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (41x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 5.71 W/kg

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

Reference Value = 0.4240 V/m ; Power Drift = 0.11 dB

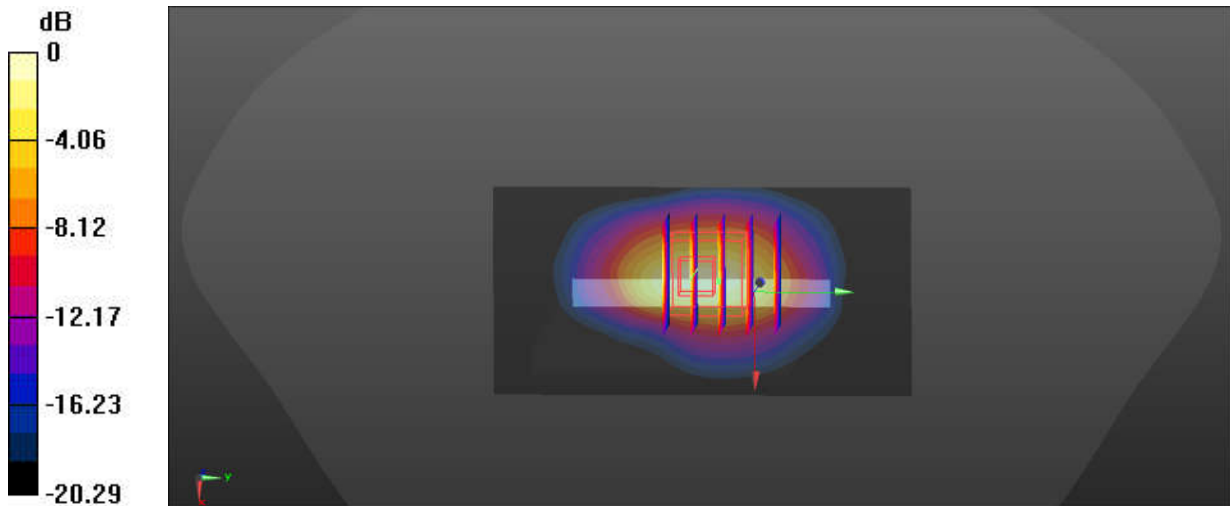
Peak SAR (extrapolated) = 8.79 W/kg

SAR(1 g) = 3.87 W/kg ; SAR(10 g) = 1.84 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 47.7%

Maximum value of SAR (measured) = 6.76 W/kg



0 dB = 6.76 W/kg = 8.30 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/16

72_LTE Band 2_20M_QPSK_1RB_0Offset_Right Side_0mm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL_1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.425$ S/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(8.33, 8.23, 8.13); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (41x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 4.16 W/kg

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

Reference Value = 0 V/m; Power Drift = -0.17 dB

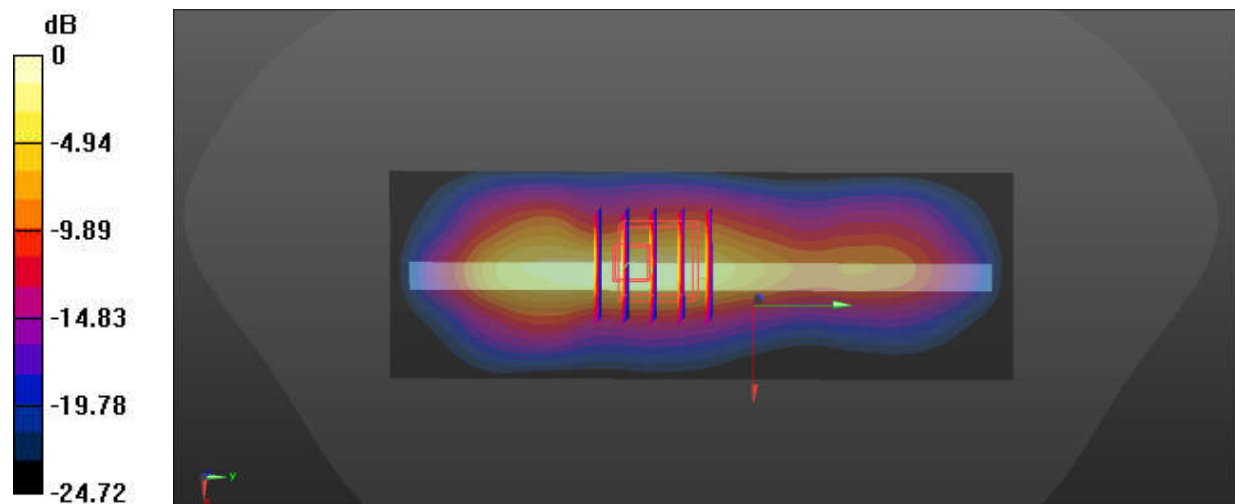
Peak SAR (extrapolated) = 8.07 W/kg

SAR(1 g) = 2.72 W/kg; SAR(10 g) = 1.12 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 31.5%

Maximum value of SAR (measured) = 6.14 W/kg



0 dB = 6.14 W/kg = 7.88 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/18

73_LTE Band 7_20M_QPSK_1RB_0Offset_Top Side_0mm_Ch21100

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1
 Medium: HSL_2600 Medium parameters used: $f = 2535$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 37.753$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.5 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(7.7, 7.61, 7.52); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (41x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 9.81 W/kg

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

Reference Value = 0.6280 V/m; Power Drift = -0.10 dB

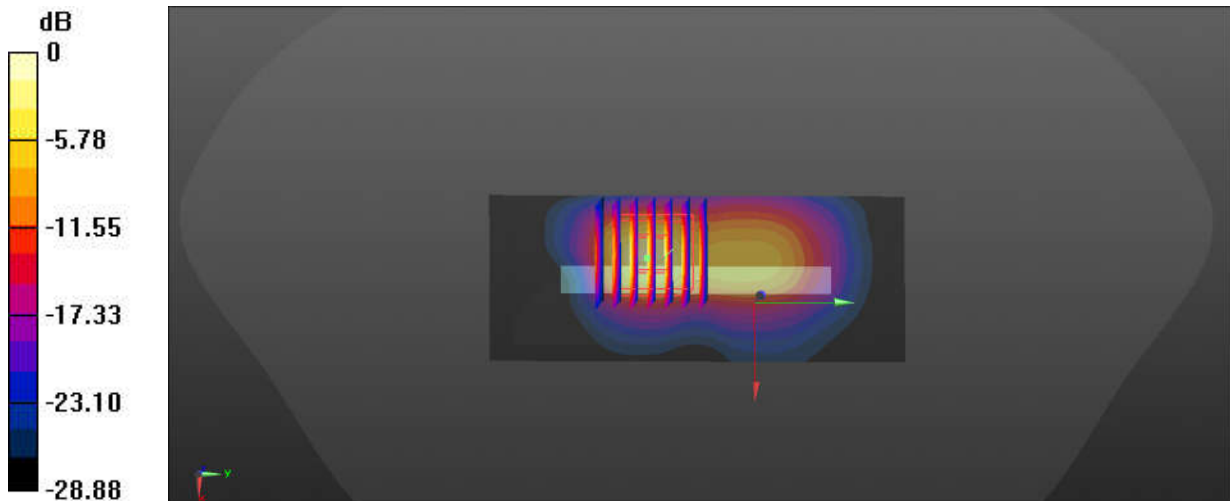
Peak SAR (extrapolated) = 19.0 W/kg

SAR(1 g) = 6.5 W/kg; SAR(10 g) = 2.08 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 34.2%

Maximum value of SAR (measured) = 13.9 W/kg



0 dB = 13.9 W/kg = 11.43 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/18

74_LTE Band 38_20M_QPSK_1RB_0Offset_Top Side_0mm_Ch38000

Communication System: UID 0, LTE (0); Frequency: 2595 MHz; Duty Cycle: 1:1.59

Medium: HSL_2600 Medium parameters used: $f = 2595$ MHz; $\sigma = 1.893$ S/m; $\epsilon_r = 37.67$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(7.7, 7.61, 7.52); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (51x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 4.05 W/kg

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

Reference Value = 35.23 V/m; Power Drift = 0.19 dB

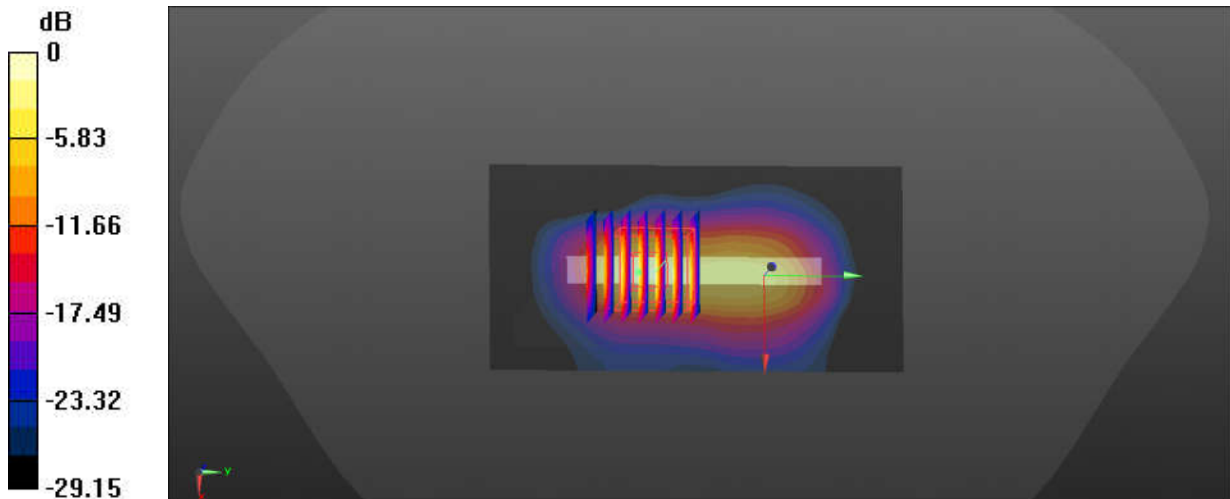
Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 3.49 W/kg; SAR(10 g) = 1.09 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 35.8%

Maximum value of SAR (measured) = 5.68 W/kg



0 dB = 5.68 W/kg = 7.54 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/18

75_LTE Band 41_20M_QPSK_1RB_0Offset_Back_0mm_Ch40185

Communication System: UID 0, LTE (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

Medium: HSL_2600 Medium parameters used: $f = 2549.5$ MHz; $\sigma = 1.857$ S/m; $\epsilon_r = 37.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(7.7, 7.61, 7.52); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (91x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 4.52 W/kg

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

Reference Value = 1.234 V/m; Power Drift = -0.11 dB

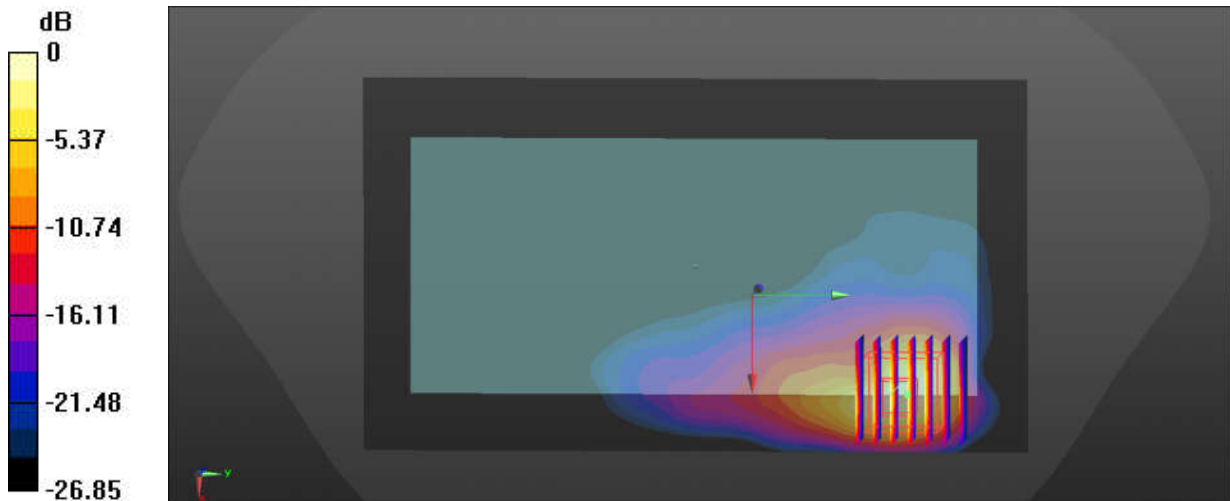
Peak SAR (extrapolated) = 7.90 W/kg

SAR(1 g) = 3.03 W/kg; SAR(10 g) = 1.11 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 41.9%

Maximum value of SAR (measured) = 4.37 W/kg



0 dB = 4.37 W/kg = 6.40 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/18

76_FR1 n41_50M_QPSK_1RB_1Offset_DFT-30_Back_0mm_Ch518598

Communication System: UID 0, 5G NR (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1
 Medium: HSL_2600 Medium parameters used: $f = 2593$ MHz; $\sigma = 1.891$ S/m; $\epsilon_r = 37.673$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.5 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(7.7, 7.61, 7.52); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (81x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 10.8 W/kg

Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.495 V/m; Power Drift = -0.19 dB

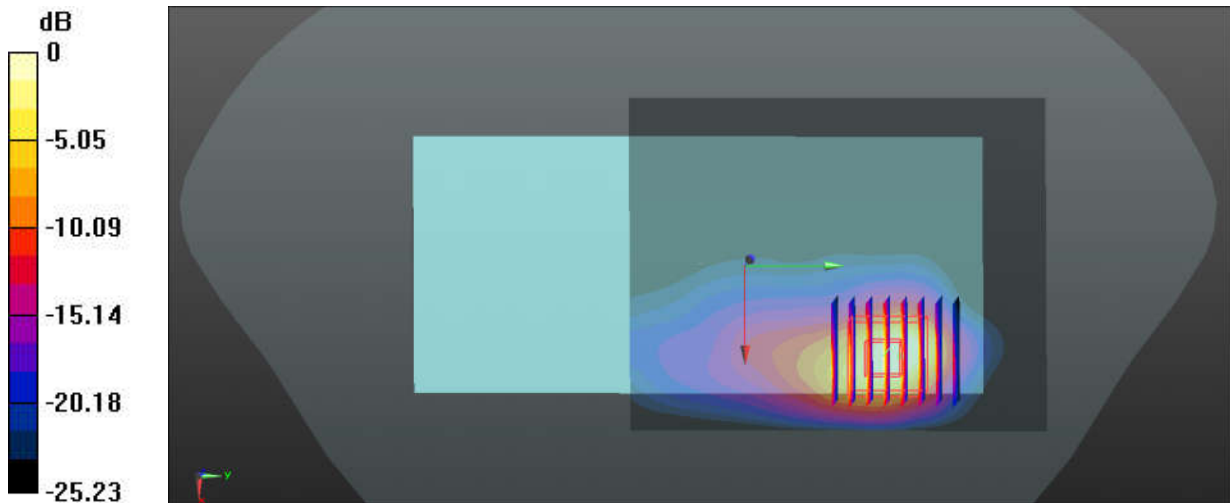
Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 4.99 W/kg; SAR(10 g) = 1.84 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 44.6%

Maximum value of SAR (measured) = 9.08 W/kg



0 dB = 9.08 W/kg = 9.58 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/19

77_LTE Band 42_20M_QPSK_1RB_0Offset_Back_5mm_Ch42590

Communication System: UID 0, LTE (0); Frequency: 3500 MHz; Duty Cycle: 1:1.59

Medium: HSL_3500 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.849$ S/m; $\epsilon_r = 37.166$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(6.99, 6.9, 6.82); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (91x91x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 9.35 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=1.4$ mm

Reference Value = 5.233 V/m; Power Drift = 0.03 dB

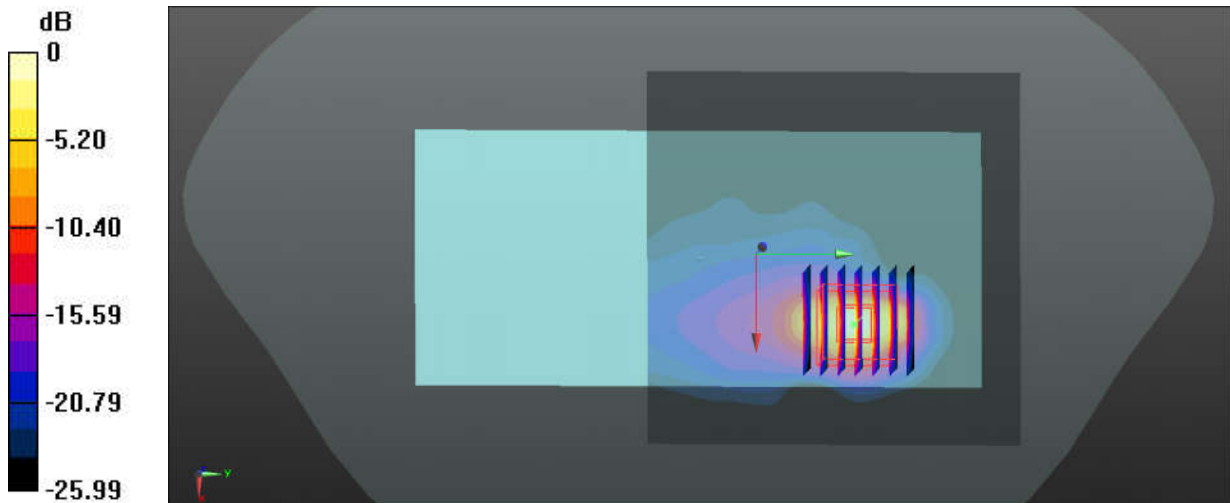
Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 4.33 W/kg; SAR(10 g) = 1.26 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 75%

Maximum value of SAR (measured) = 9.64 W/kg



0 dB = 9.64 W/kg = 9.84 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/21

78_FR1 n77_100M_QPSK_135RB_69Offset_DFT-30_TopSide_0mm_Ch656000

Communication System: UID 0, 5G NR (0); Frequency: 3840 MHz; Duty Cycle: 1:1
 Medium: HSL_3900 Medium parameters used: $f = 3840$ MHz; $\sigma = 3.117$ S/m; $\epsilon_r = 36.763$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(6.96, 6.88, 6.79); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (51x91x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 17.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=1.4$ mm

Reference Value = 37.76 V/m; Power Drift = -0.01 dB

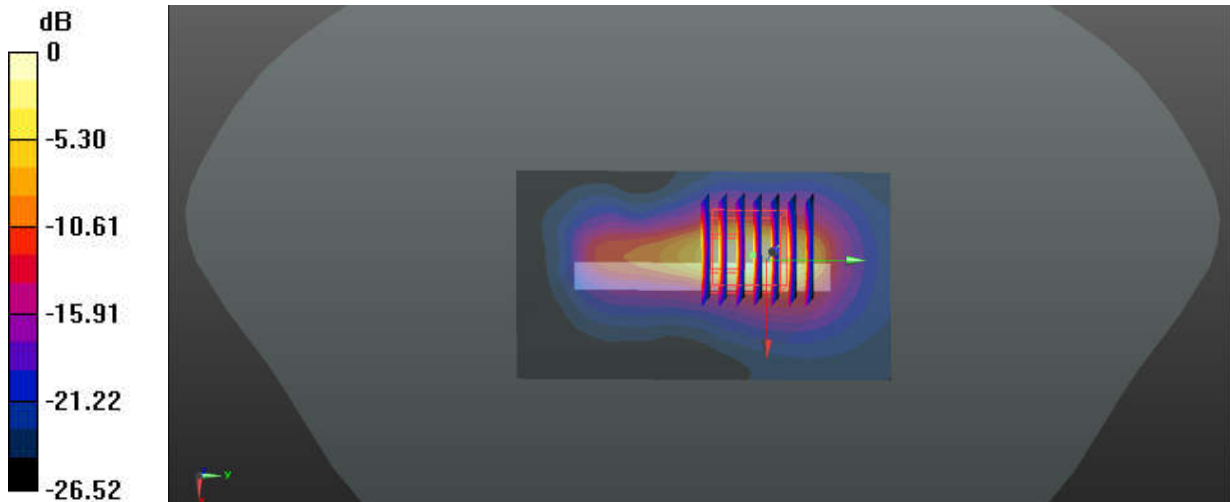
Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 6.25 W/kg; SAR(10 g) = 2.06 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 63.6%

Maximum value of SAR (measured) = 16.8 W/kg



0 dB = 16.8 W/kg = 12.25 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/19

79_FR1 n78_100M_QPSK_135RB_69Offset_DFT-30_TopSide_0mm_Ch633332

Communication System: UID 0, 5G NR (0); Frequency: 3499.98 MHz; Duty Cycle: 1:1
 Medium: HSL_3500 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.849$ S/m; $\epsilon_r = 37.166$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(6.99, 6.9, 6.82); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (51x91x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 16.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=1.4$ mm

Reference Value = 48.22 V/m; Power Drift = -0.02 dB

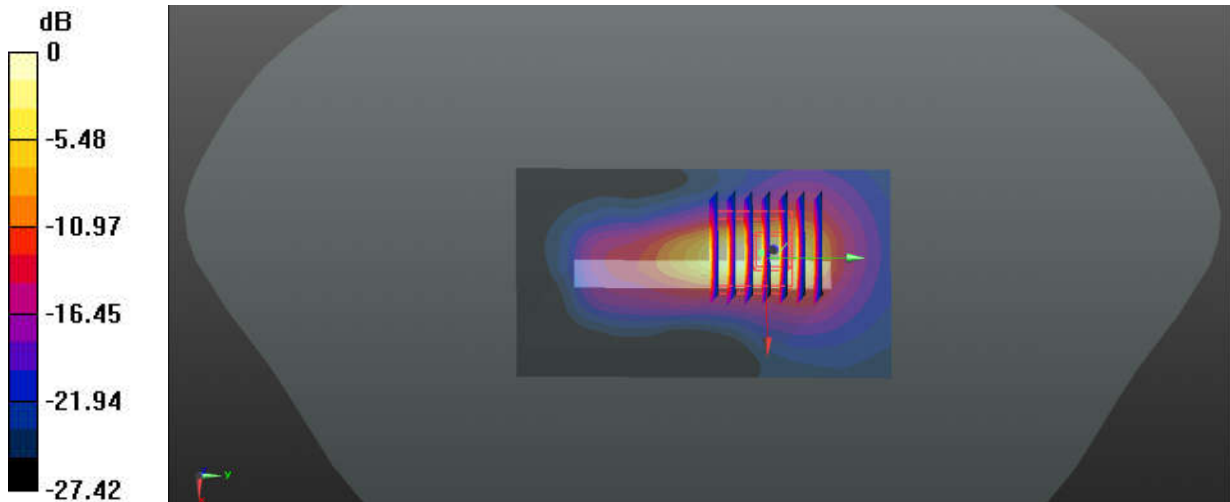
Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 6.03 W/kg; SAR(10 g) = 2.01 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 64.2%

Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 16.9 W/kg = 12.28 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/22

80_WLAN5GHz_802.11ax-HE40 MCS0_Top Side_0mm_Ch54

Communication System: UID 0, WIFI (0); Frequency: 5270 MHz; Duty Cycle: 1:1.081

Medium: HSL_5250 Medium parameters used: $f = 5270$ MHz; $\sigma = 4.611$ S/m; $\epsilon_r = 35.741$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(6.15, 6.08, 6.01); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 15.2 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.826 V/m; Power Drift = 0.12 dB

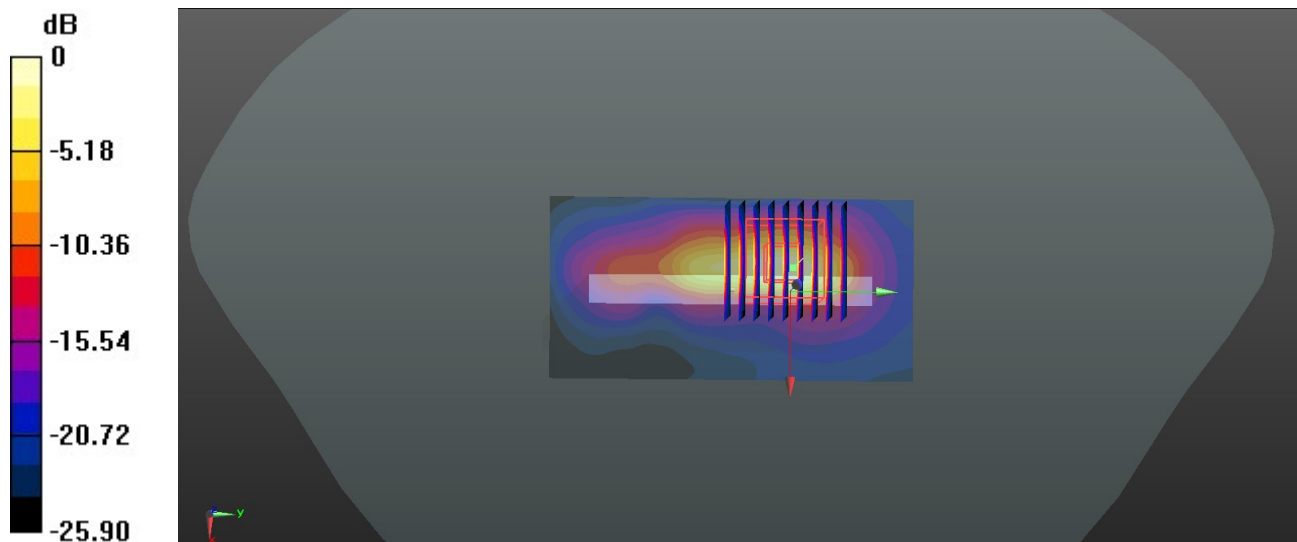
Peak SAR (extrapolated) = 35.9 W/kg

SAR(1 g) = 5.77 W/kg; SAR(10 g) = 1.58 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 56%

Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 15.2 W/kg = 11.82 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/23

81_WLAN5GHz_802.11ax-HE80 MCS0_Top Side_0mm_Ch122

Communication System: UID 0, WIFI (0); Frequency: 5610 MHz; Duty Cycle: 1:1.152

Medium: HSL_5600 Medium parameters used: $f = 5610$ MHz; $\sigma = 4.964$ S/m; $\epsilon_r = 35.266$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(5.5, 5.44, 5.37); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 17.3 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.208 V/m; Power Drift = 0.17 dB

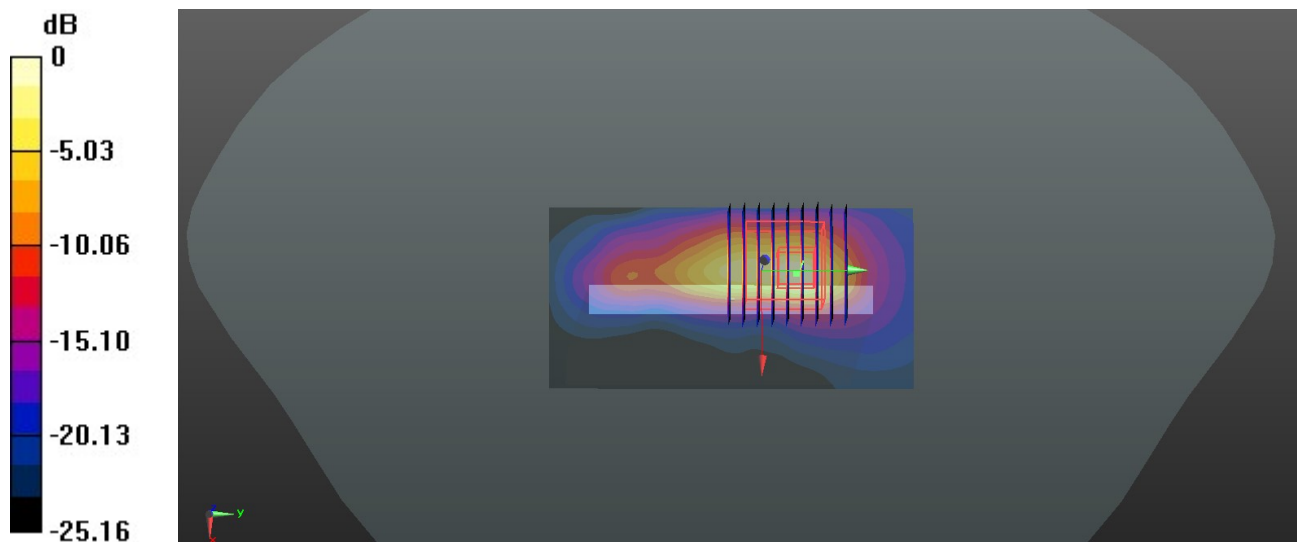
Peak SAR (extrapolated) = 48.5 W/kg

SAR(1 g) = 7.3 W/kg; SAR(10 g) = 1.88 W/kg

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 23.8 W/kg



0 dB = 17.3 W/kg = 12.38 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/7/24

82_WLAN5GHz_802.11a 6Mbps_Top Side_0mm_Ch157

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1.024

Medium: HSL_5750 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.151$ S/m; $\epsilon_r = 35.011$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(5.47, 5.41, 5.34); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2024/3/14
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 23.6 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 32.01 V/m; Power Drift = -0.01 dB

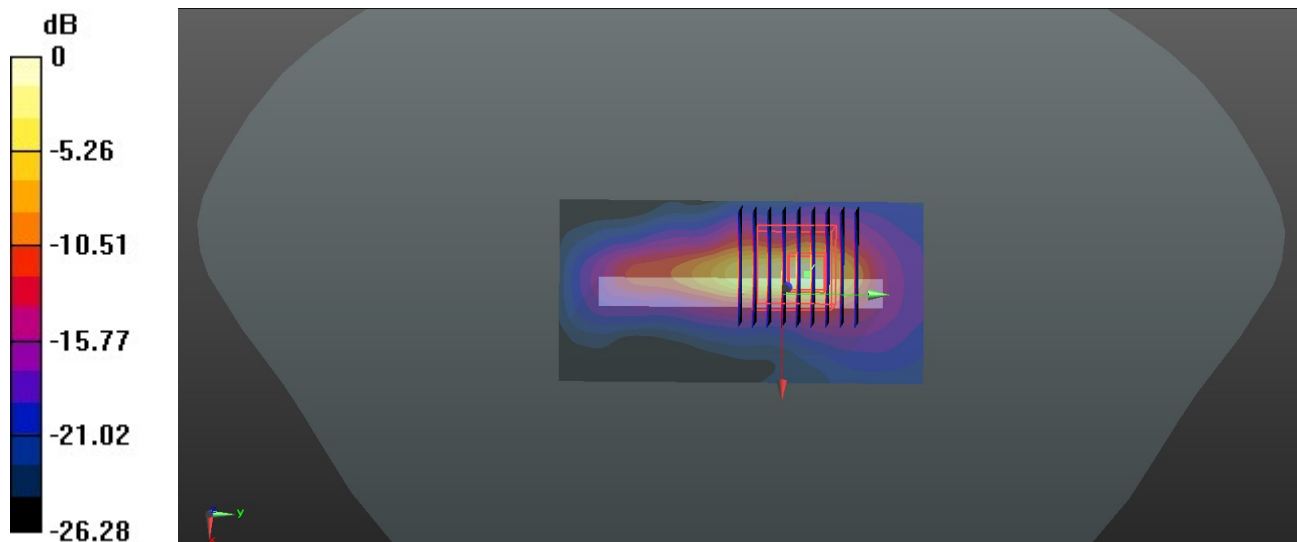
Peak SAR (extrapolated) = 49.7 W/kg

SAR(1 g) = 6.87 W/kg; SAR(10 g) = 1.7 W/kg

Smallest distance from peaks to all points 3 dB below = 5 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 22.7 W/kg



0 dB = 23.6 W/kg = 13.73 dBW/kg