

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

Date: 2024/8/23

#01_WLAN2.4GHz_802.11b 1Mbps_Bottom Face_0mm_Ch1

Communication System: UID 10415 - AAA, 802.11b; Frequency: 2412 MHz

Medium: HSL_2450_240823 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.71$ S/m; $\epsilon_r = 39.828$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(7.51, 6.73, 8.77) @ 2412 MHz; Calibrated: 2024/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2024/7/15
- Phantom: ELI V4.0_Right; Type: QD OVA 001 BB; Serial: TP:1025
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.52 W/kg

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

Reference Value = 31.49 V/m; Power Drift = -0.03 dB

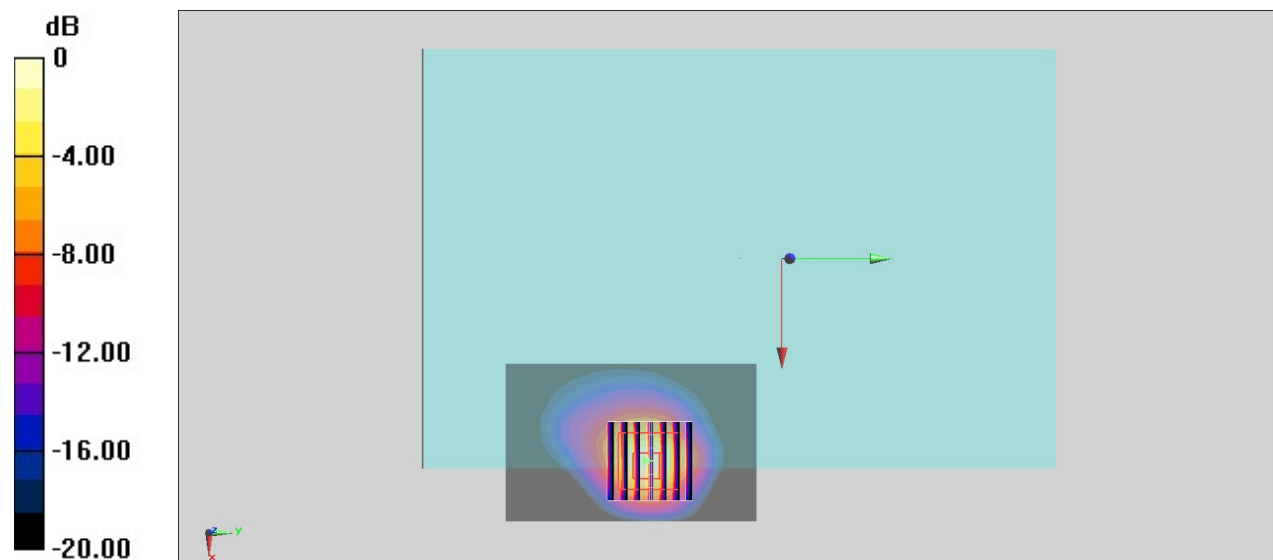
Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.888 W/kg; SAR(10 g) = 0.357 W/kg

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 37.5%

Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.70 dBW/kg

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#02_WLAN5GHz_802.11n-HT40 MCS0_Bottom Face_0mm_Ch62

Communication System: UID 10599 - AAD, IEEE 802.11n; Frequency: 5310 MHz

Medium: HSL_5250_240823 Medium parameters used: $f = 5310$ MHz; $\sigma = 4.782$ S/m; $\epsilon_r = 36.754$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(4.46, 4.11, 5.36) @ 5310 MHz; Calibrated: 2024/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2024/7/15
- Phantom: ELI V4.0_Right; Type: QD OVA 001 BB; Serial: TP:1025
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.35 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 24.50 V/m; Power Drift = -0.03 dB

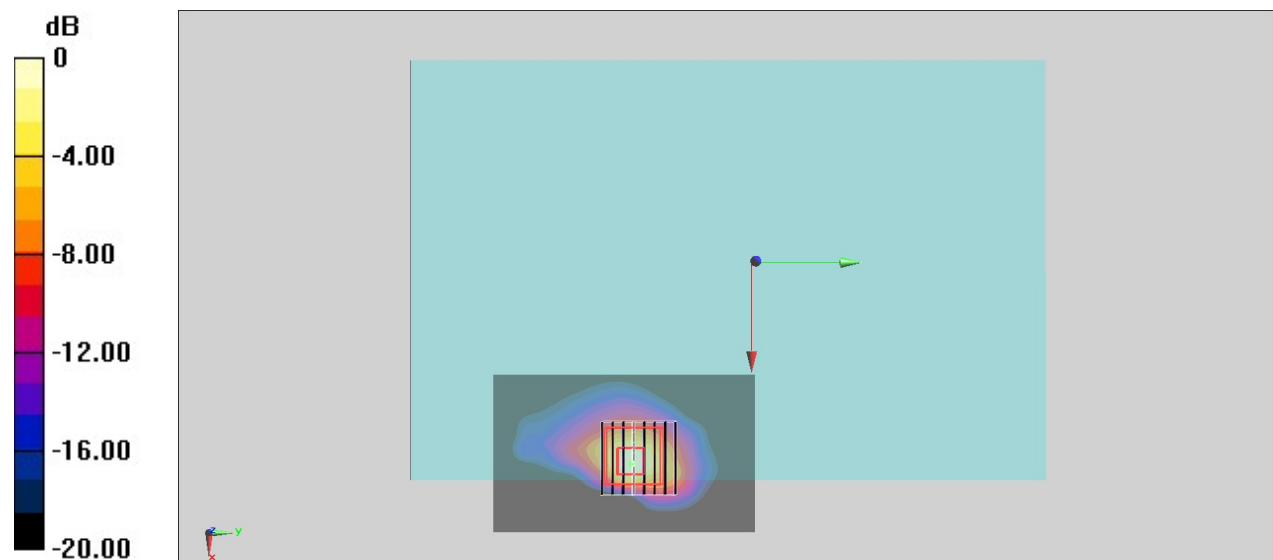
Peak SAR (extrapolated) = 4.67 W/kg

SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.242 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 2.37 W/kg



0 dB = 2.37 W/kg = 3.75 dBW/kg

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#03_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom Face_0mm_Ch106

Communication System: UID 10544 - AAD, 802.11ac; Frequency: 5530 MHz

Medium: HSL_5600_240823 Medium parameters used: $f = 5530$ MHz; $\sigma = 4.924$ S/m; $\epsilon_r = 36.431$;
 $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(3.96, 3.67, 4.73) @ 5530 MHz; Calibrated: 2024/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2024/7/15
- Phantom: ELI V4.0_Right; Type: QD OVA 001 BB; Serial: TP:1025
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.42 W/kg

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

Reference Value = 24.46 V/m; Power Drift = -0.17 dB

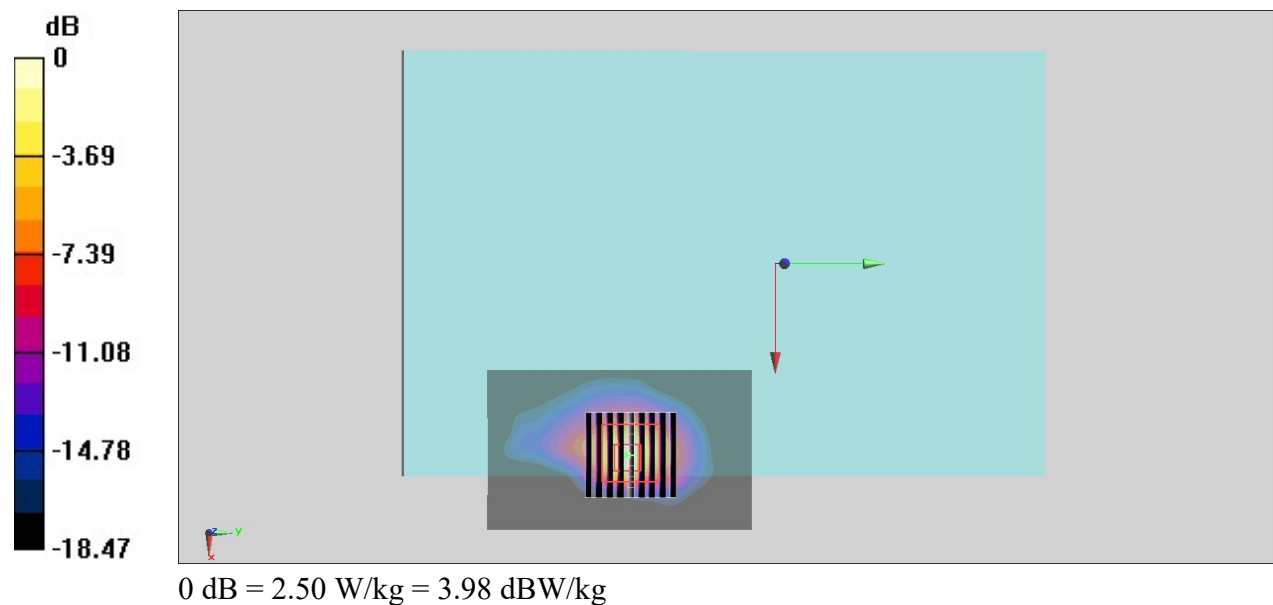
Peak SAR (extrapolated) = 5.12 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.246 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 58.7%

Maximum value of SAR (measured) = 2.50 W/kg



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#04_WLAN5GHz_802.11ac-VHT80 MCS0_Edge 1_0mm_Ch155

Communication System: UID 10544 - AAD, 802.11ac; Frequency: 5775 MHz

Medium: HSL_5800_240823 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.288$ S/m; $\epsilon_r = 36.137$;
 $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(4.03, 3.72, 4.8) @ 5775 MHz; Calibrated: 2024/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2024/7/15
- Phantom: ELI V4.0_Right; Type: QD OVA 001 BB; Serial: TP:1025
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.96 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 24.71 V/m; Power Drift = 0.08 dB

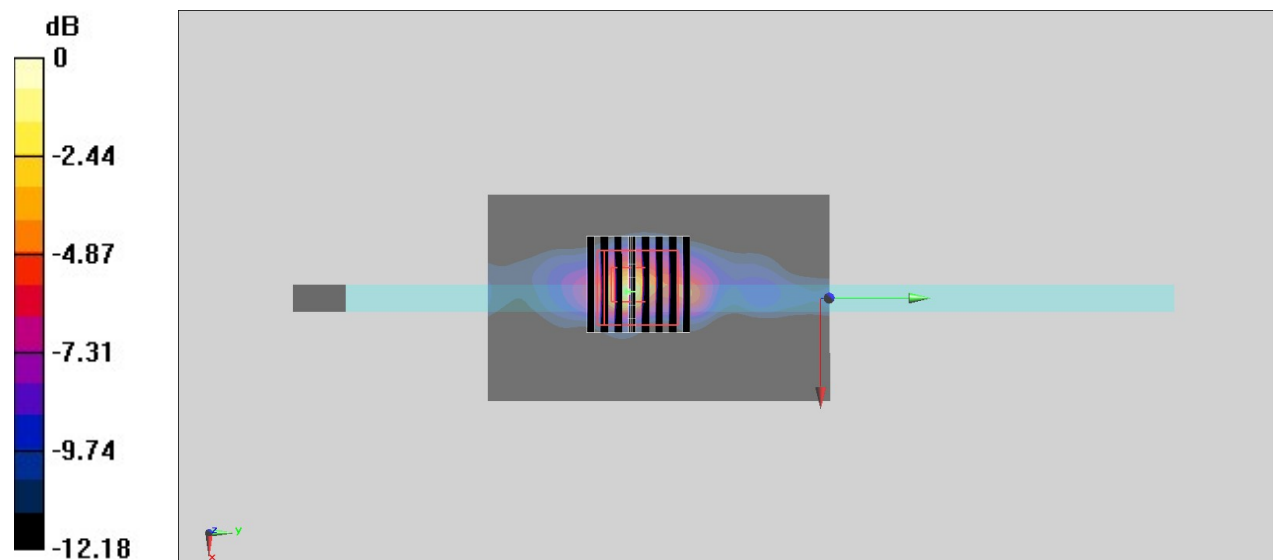
Peak SAR (extrapolated) = 6.09 W/kg

SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.274 W/kg

Smallest distance from peaks to all points 3 dB below = 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.8%

Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 2.61 W/kg = 4.17 dBW/kg

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#05_Bluetooth_1Mbps_Bottom Face_0mm_Ch0

Communication System: UID 10032 - CAA, 802.15.1 Bluetooth; Frequency: 2402 MHz

Medium: HSL_2450_240823 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.7$ S/m; $\epsilon_r = 39.874$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(7.51, 6.73, 8.77) @ 2402 MHz; Calibrated: 2024/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2024/7/15
- Phantom: ELI V4.0_Right; Type: QD OVA 001 BB; Serial: TP:1025
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (51x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

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

Reference Value = 19.39 V/m; Power Drift = -0.05 dB

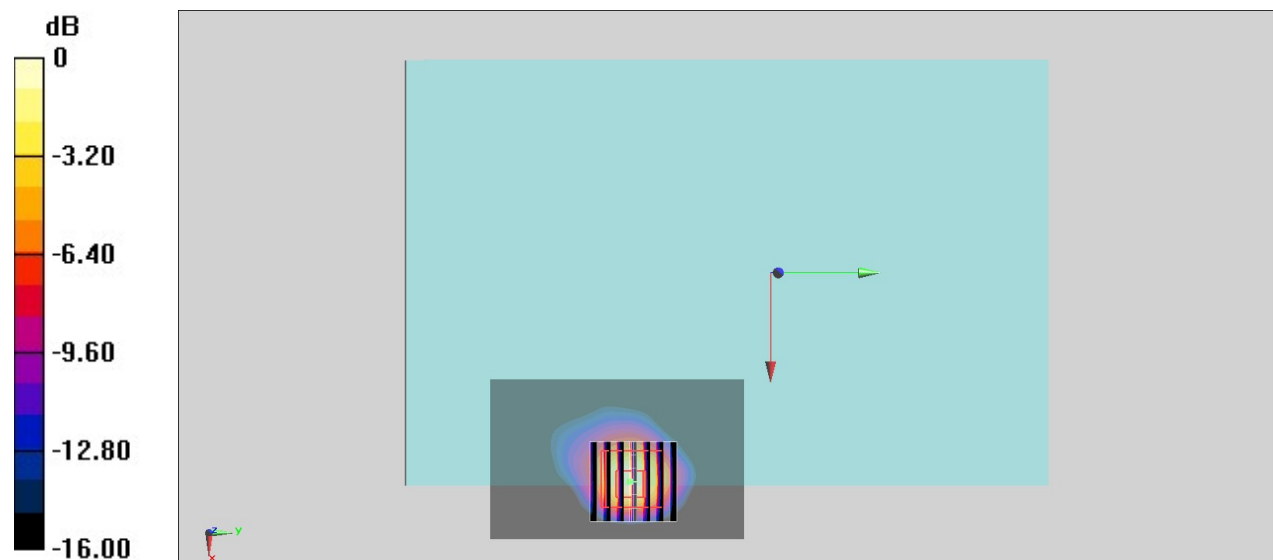
Peak SAR (extrapolated) = 0.747 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.113 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 38.8%

Maximum value of SAR (measured) = 0.571 W/kg



0 dB = 0.571 W/kg = -2.43 dBW/kg