



REPORT No.: SZ22090213S01

## Annex D Plots of Maximum SAR Test Results

## WLAN 2.4GHz\_802.11b 1Mbps\_Bottom Surface 0mm\_Ch7

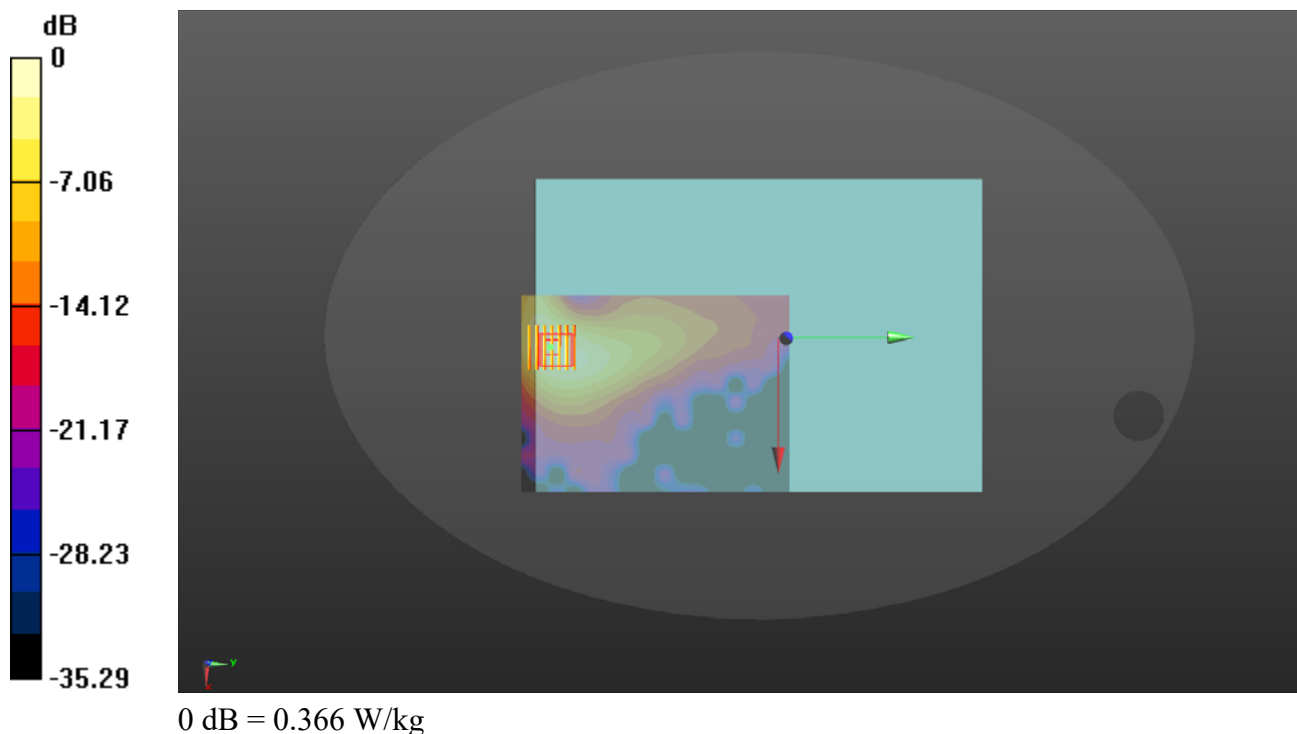
Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2442 MHz; Duty Cycle: 1:1.006  
Medium: HSL\_2450 Medium parameters used (interpolated):  $f = 2442$  MHz;  $\sigma = 1.808$  S/m;  $\epsilon_r = 38.829$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.28, 7.28, 7.28) @ 2442 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch7/Area Scan (111x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.428 W/kg

**Ch7/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 1.912 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.539 W/kg  
**SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.170 W/kg**  
Maximum value of SAR (measured) = 0.366 W/kg



## WLAN 5.2GHz\_802.11ax-HEW20 MCS 0\_Bottom Surface 0mm\_Ch44

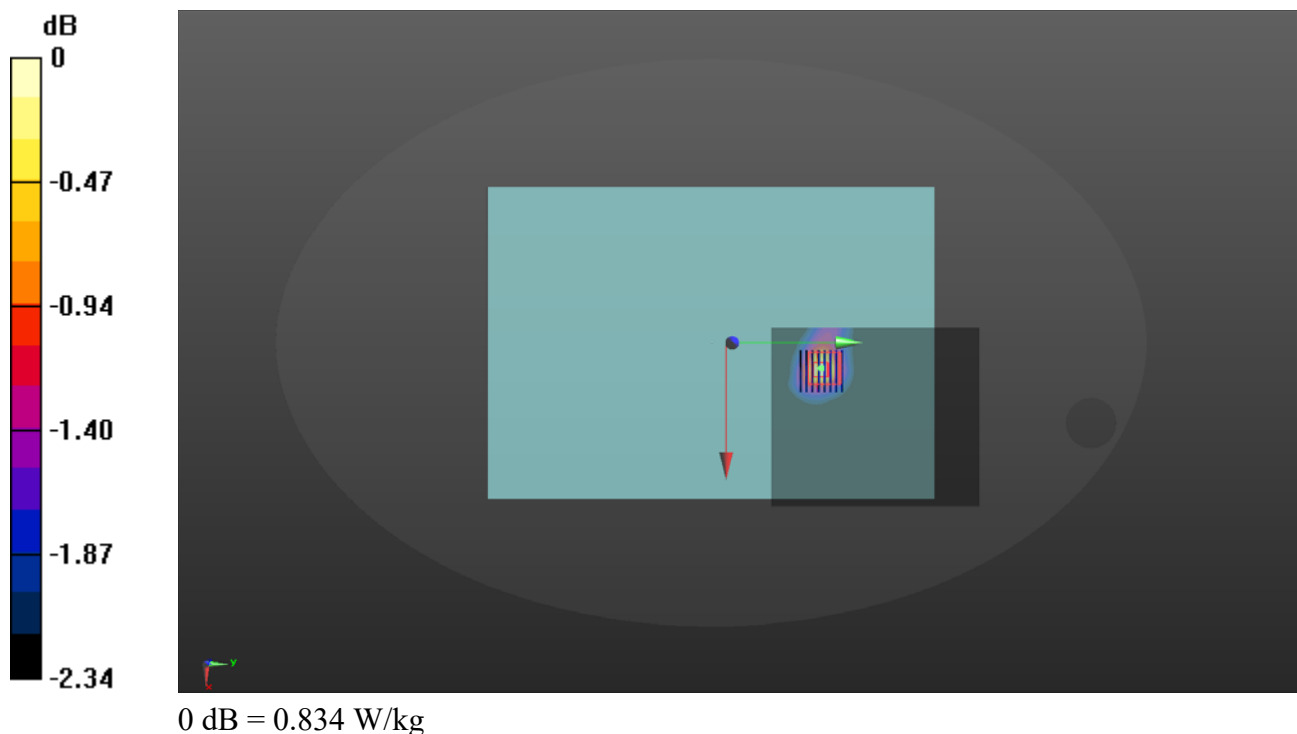
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5220 MHz; Duty Cycle: 1:1.176  
Medium: HSL\_5250 Medium parameters used:  $f = 5220$  MHz;  $\sigma = 4.667$  S/m;  $\epsilon_r = 36.107$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.16, 5.16, 5.16) @ 5220 MHz; Calibrated: 2022.01.12
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch44/Area Scan (121x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.834 W/kg

**Ch44/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 10.11 V/m; Power Drift = -0.19 dB  
Peak SAR (extrapolated) = 0.952 W/kg  
**SAR(1 g) = 0.666 W/kg; SAR(10 g) = 0.559 W/kg**  
Maximum value of SAR (measured) = 0.815 W/kg



## WLAN 5.3GHz\_802.11ax-HEW20 MCS 0\_Bottom Surface 0mm\_Ch64

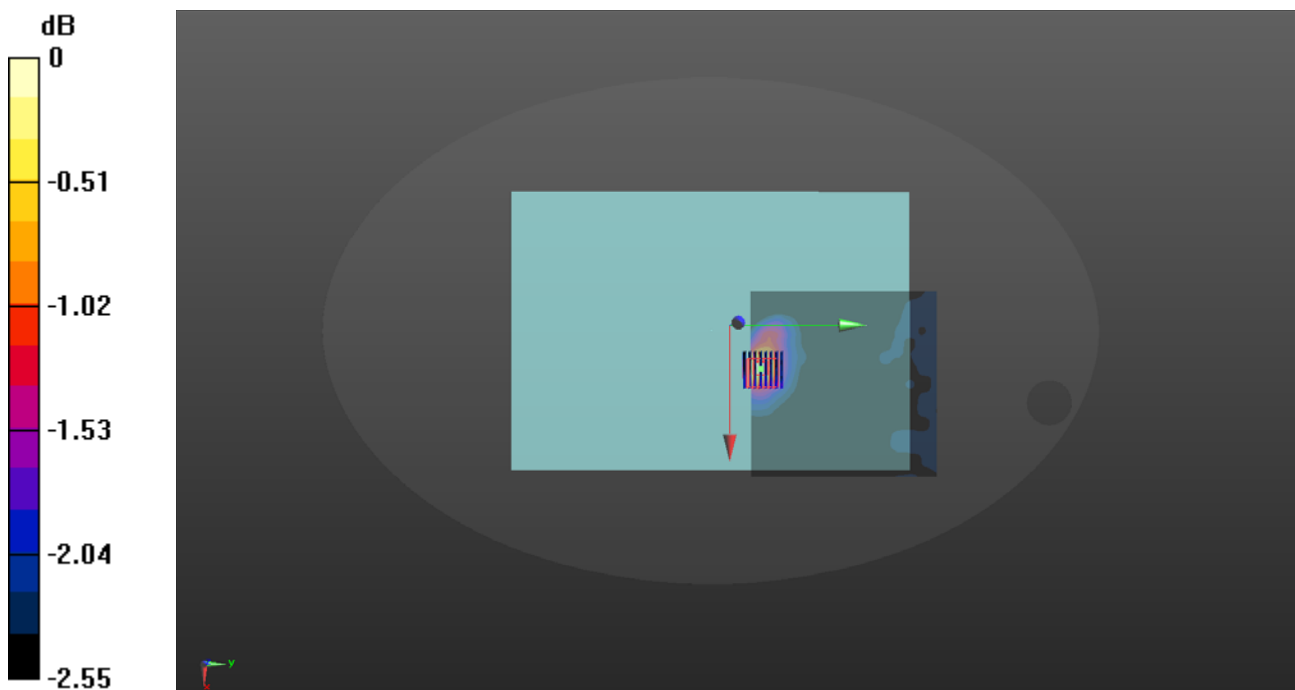
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5320 MHz; Duty Cycle: 1:1.176  
Medium: HSL\_5250 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.787$  S/m;  $\epsilon_r = 35.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.16, 5.16, 5.16) @ 5320 MHz; Calibrated: 2022.01.12
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch64/Area Scan (141x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.828 W/kg

**Ch64/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 9.901 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 0.979 W/kg  
**SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.581 W/kg**  
Maximum value of SAR (measured) = 0.811 W/kg



0 dB = 0.828 W/kg

## WLAN 5.5GHz\_802.11ax-HEW20 MCS 0\_Bottom Surface 0mm\_Ch144\_A

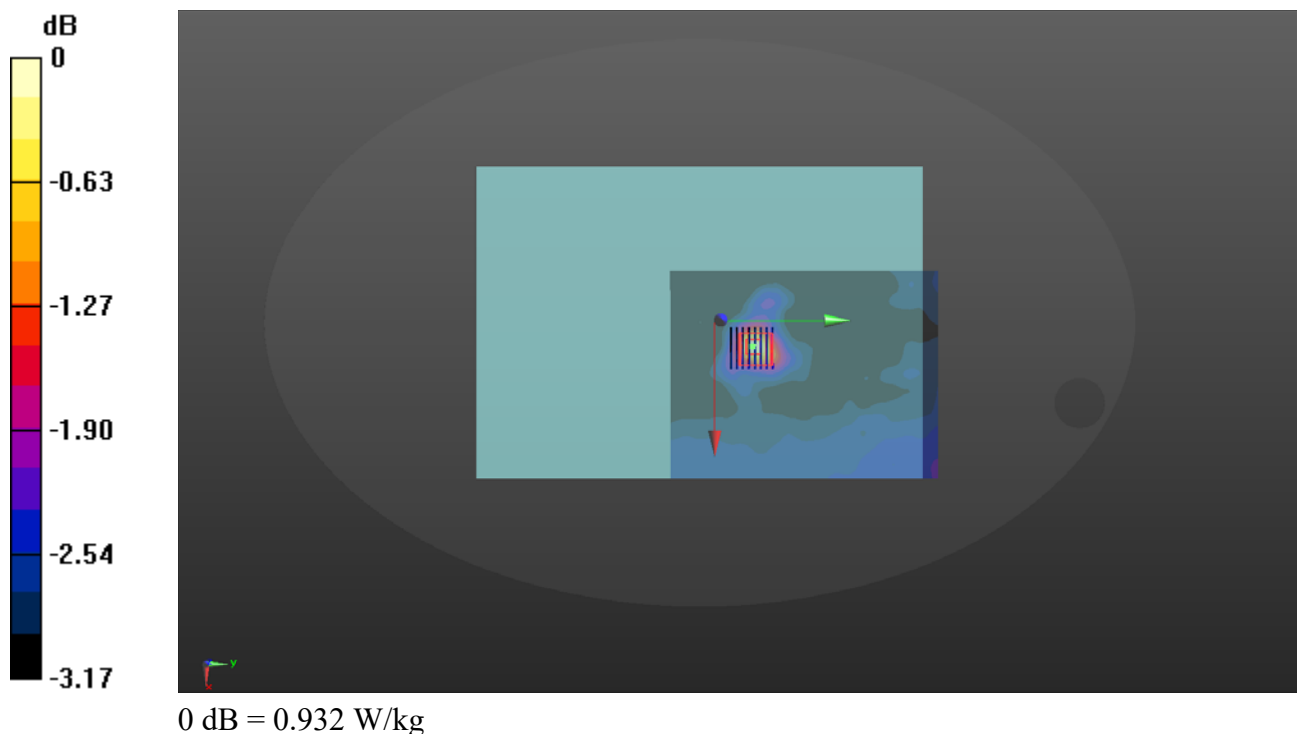
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5720 MHz; Duty Cycle: 1:1.176  
Medium: HSL\_5750 Medium parameters used:  $f = 5720$  MHz;  $\sigma = 5.266$  S/m;  $\epsilon_r = 35.22$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: GZ5F X6"/UP 982: =EqpxH\*9064.'9064.'9064+@ 5720 MHz; Ecrkdtcvgf <#4244023084
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch144/Area Scan (141x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.932 W/kg

**Ch144/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 9.273 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 1.17 W/kg  
**SAR(1 g) = 0.718 W/kg; SAR(10 g) = 0.571 W/kg**  
Maximum value of SAR (measured) = 0.900 W/kg



## WLAN 5.8GHz\_802.11ax-HEW20 MCS 0\_Bottom Surface 0mm\_Ch157

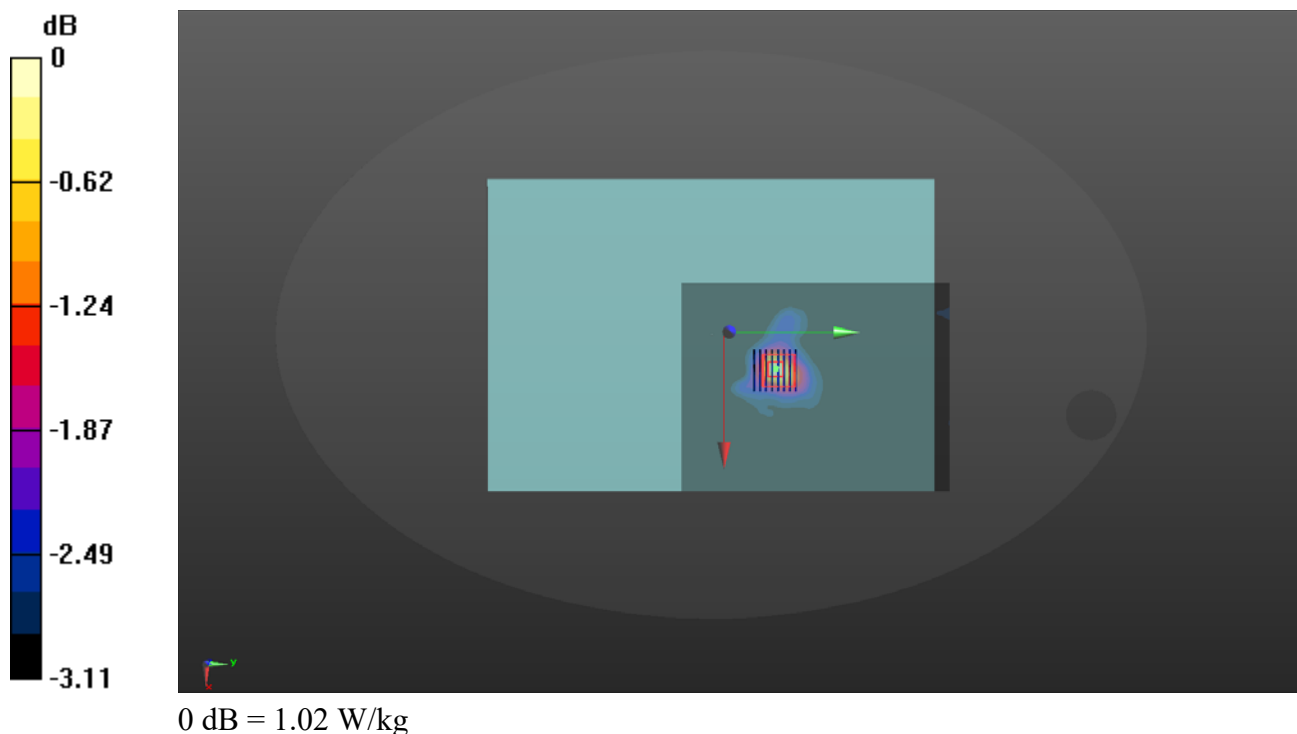
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5785 MHz; Duty Cycle: 1:1.176  
Medium: HSL\_5750 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.333$  S/m;  $\epsilon_r = 35.097$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.61, 4.61, 4.61) @ 5785 MHz; Calibrated: 2022.03.04
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch157/Area Scan (141x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.02 W/kg

**Ch157/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 8.751 V/m; Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 1.20 W/kg  
**SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.624 W/kg**  
Maximum value of SAR (measured) = 0.984 W/kg



## WLAN 2.4GHz\_802.11b 1Mbps\_Front of Keyboard 0mm\_Ch13

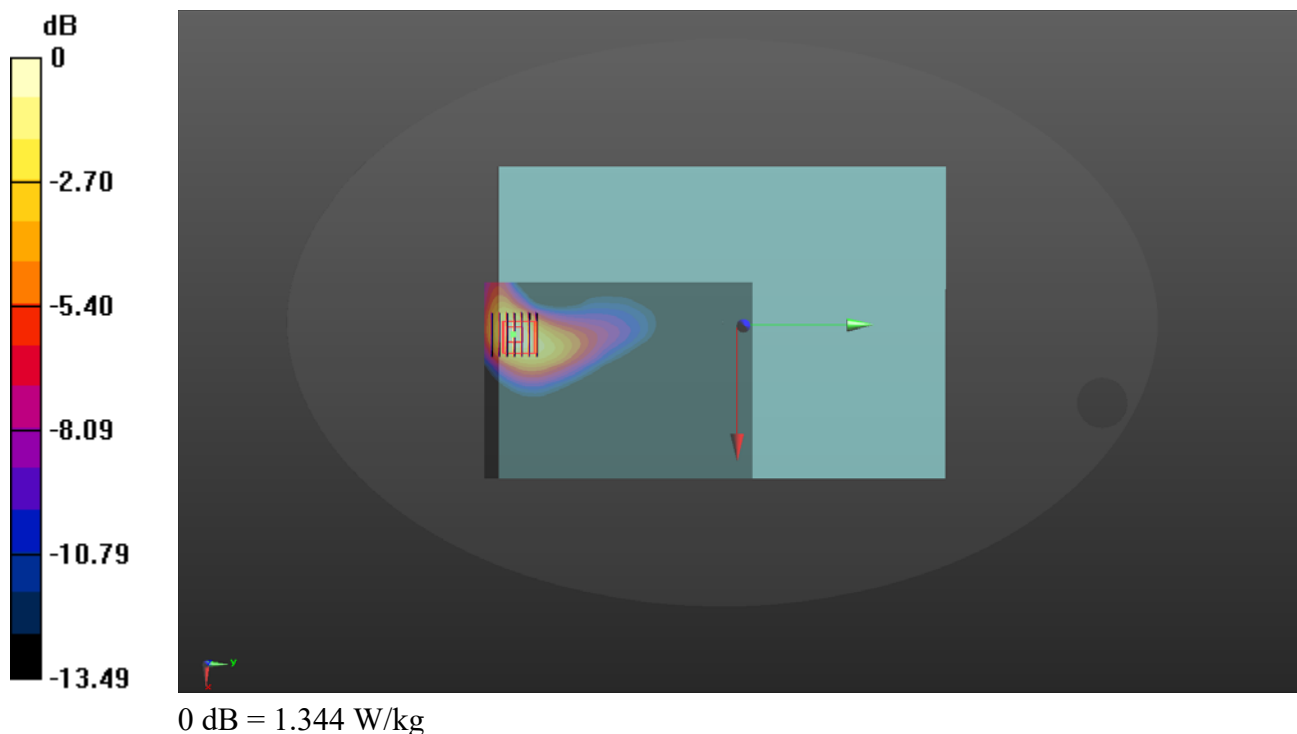
Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2472 MHz; Duty Cycle: 1:1.006  
Medium: HSL\_2450 Medium parameters used:  $f = 2472$  MHz;  $\sigma = 1.834$  S/m;  $\epsilon_r = 38.696$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.42, 7.42, 7.42) @ 2450 MHz; Calibrated: 2022.01.12
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch13/Area Scan (111x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.344 W/kg

**Ch13/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 1.921 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 0.553 W/kg  
**SAR(1 g) = 3.985 W/kg; SAR(10 g) = 1.392 W/kg**  
Maximum value of SAR (measured) = 0.442 W/kg



## WLAN 5.2GHz\_802.11ax-HEW20 MCS 0\_Front of Keyboard 0mm\_Ch44\_A

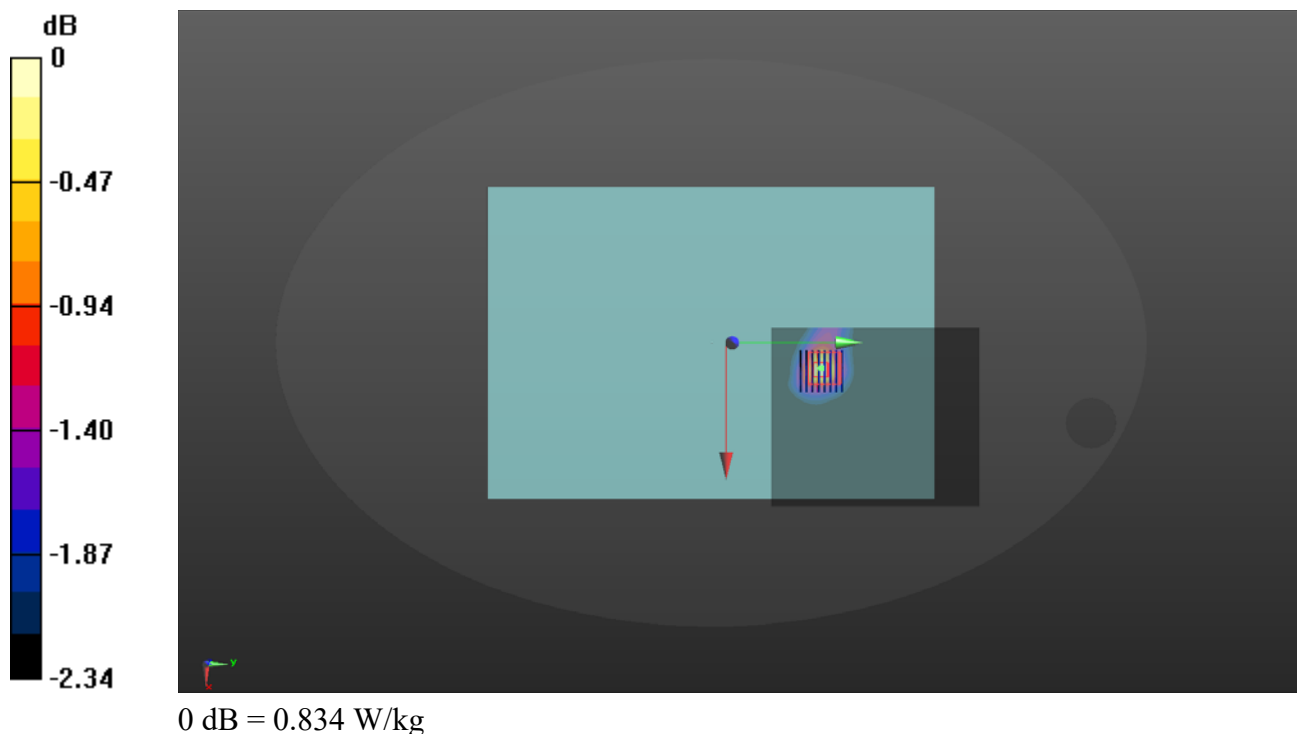
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5220 MHz; Duty Cycle: 1:1.176  
Medium: HSL\_5250 Medium parameters used:  $f = 5220$  MHz;  $\sigma = 4.667$  S/m;  $\epsilon_r = 36.107$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: GZ5FX6/UP982: =EqpxH\*9064.'9064.'9064+'@ 5220 MHz; Ecrkdtcvgf <4244023084
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch44/Area Scan (121x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.834 W/kg

**Ch44/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 10.11 V/m; Power Drift = -0.19 dB  
Peak SAR (extrapolated) = 0.952 W/kg  
**SAR(1 g) = 1.405 W/kg; SAR(10 g) = 0.497 W/kg**  
Maximum value of SAR (measured) = 0.815 W/kg





## WLAN 5.3GHz\_802.11ax-HEW20 MCS 0\_Front of Keyboard 0mm\_Ch64

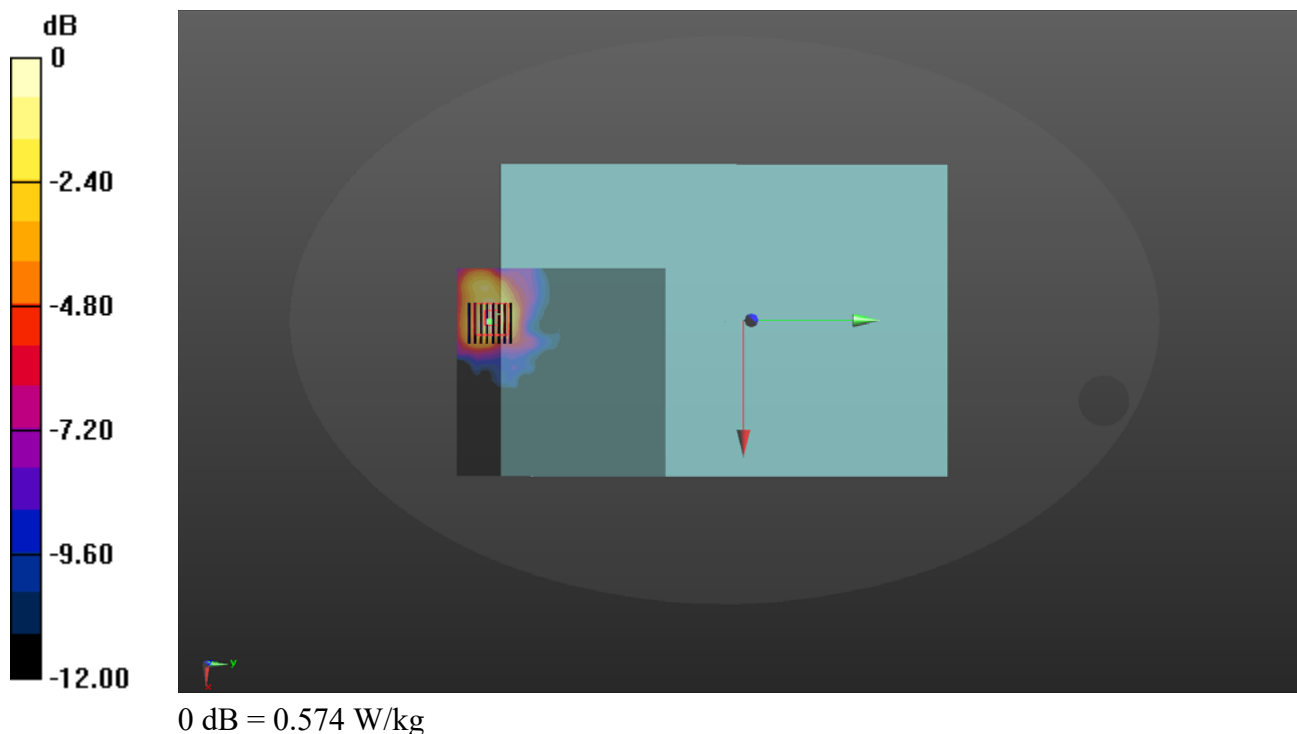
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5320 MHz; Duty Cycle: 1:1.176  
Medium: HSL\_5250 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.76$  S/m;  $\epsilon_r = 35.987$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.42, 7.42, 7.42) @ 5320 MHz; Calibrated: 2022.01.12
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch64/Area Scan (141x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.574 W/kg

**Ch64/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 0 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 0.477 W/kg  
**SAR(1 g) = 1.766 W/kg; SAR(10 g) = 0.604 W/kg**  
Maximum value of SAR (measured) = 0.285 W/kg



## WLAN 5.5GHz\_802.11ax-HEW20 MCS 0\_Front of Keyboard 0mm\_Ch100

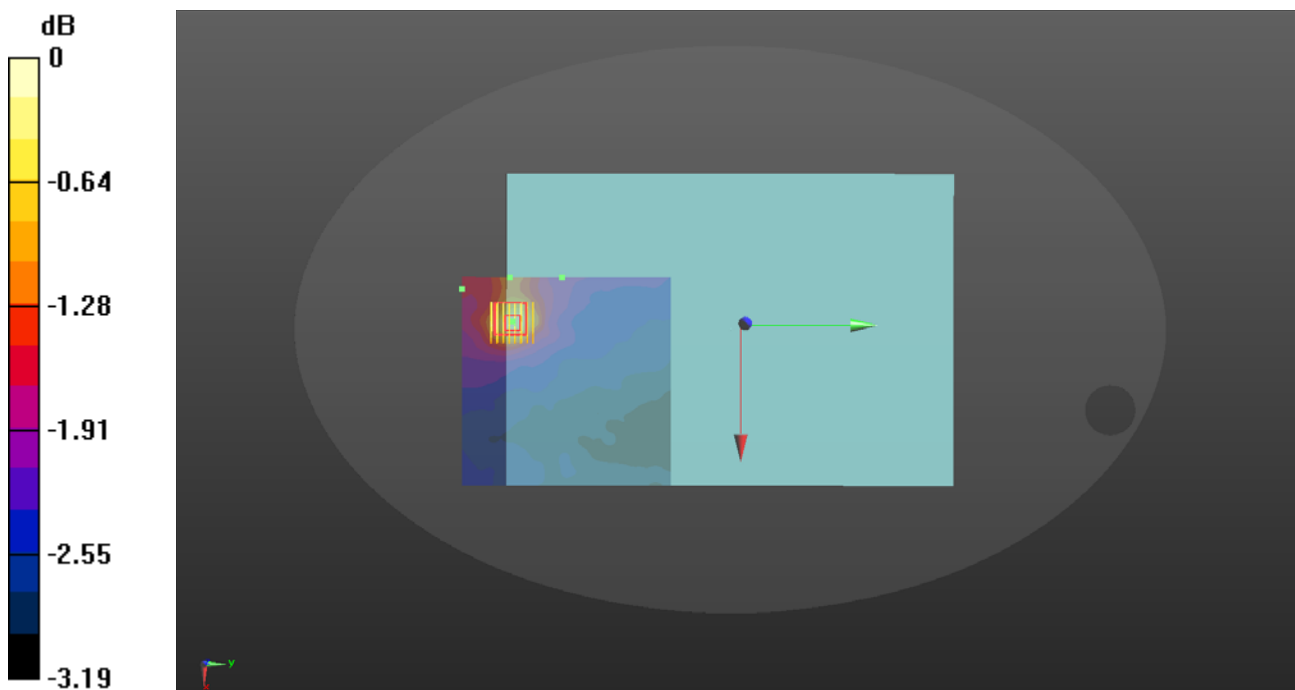
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5500 MHz;Duty Cycle: 1:1  
Medium: HSL\_5600 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.007$  S/m;  $\epsilon_r = 35.63$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.74, 4.74, 4.74) @ 5500 MHz; Calibrated: 2022.01.12
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch100/Area Scan (141x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.69 W/kg

**Ch100/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 12.11 V/m; Power Drift = 0.17 dB  
Peak SAR (extrapolated) = 1.57 W/kg  
**SAR(1 g) = 2.30 W/kg; SAR(10 g) = 0.745 W/kg**  
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.69 W/kg

## WLAN 5.8GHz\_802.11ax-HEW20 MCS 0\_Front of Keyboard 0mm\_Ch165

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5825 MHz; Duty Cycle: 1:1.176  
Medium: HSL\_5750 Medium parameters used:  $f = 5825$  MHz;  $\sigma = 5.388$  S/m;  $\epsilon_r = 35.018$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.61, 4.61, 4.61) @ 5825 MHz; Calibrated: 2022.03.04
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch165/Area Scan (141x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.797 W/kg

**Ch165/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 0 V/m; Power Drift = 0.16 dB  
Peak SAR (extrapolated) = 1.30 W/kg  
**SAR(1 g) = 3.460 W/kg; SAR(10 g) = 1.040 W/kg**  
Maximum value of SAR (measured) = 0.778 W/kg

