

## Appendix C - Highest Measurement Plots

Date: 2022/12/19

**01\_WLAN 2.4 GHz\_802.11b\_Ch6\_Bottom of laptop\_0 mm\_ANT Main**

**DUT: UX5304V**

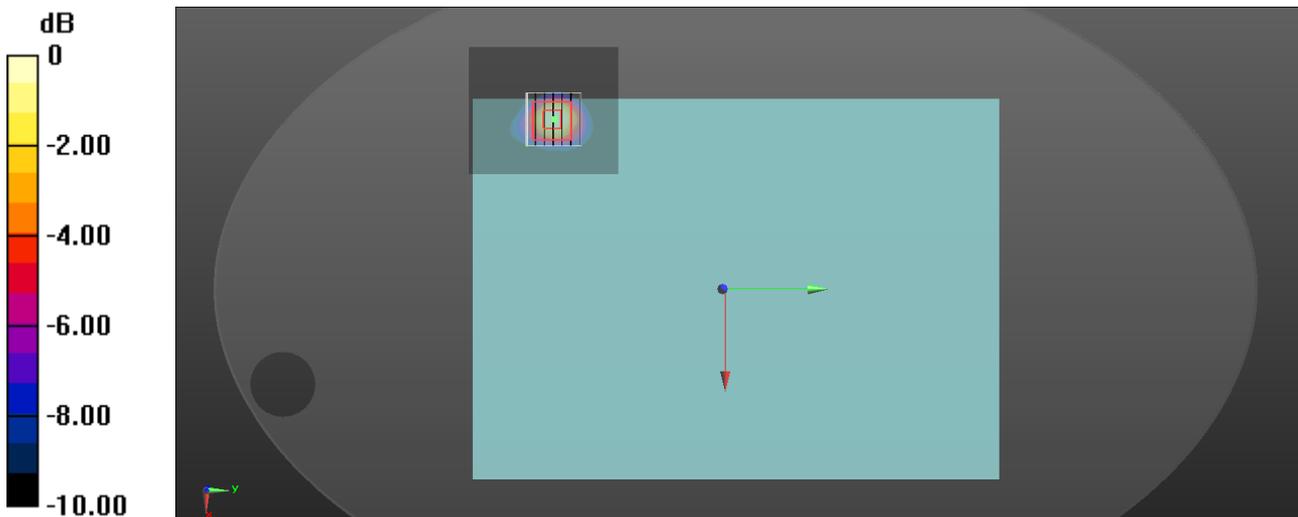
Communication System: UID 0, IEEE 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.005  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.735$  S/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.44, 7.44, 7.44) @ 2437 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 2.02 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 28.78 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 2.44 W/kg  
**SAR(1 g) = 0.976 W/kg; SAR(10 g) = 0.396 W/kg**  
Smallest distance from peaks to all points 3 dB below = 8.1 mm  
Ratio of SAR at M2 to SAR at M1 = 41.2%  
Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg = 2.60 dBW/kg

Date: 2022/12/19

**02\_WLAN 2.4 GHz\_802.11b\_Ch6\_Bottom of laptop\_0 mm\_ANT Aux**

**DUT: UX5304V**

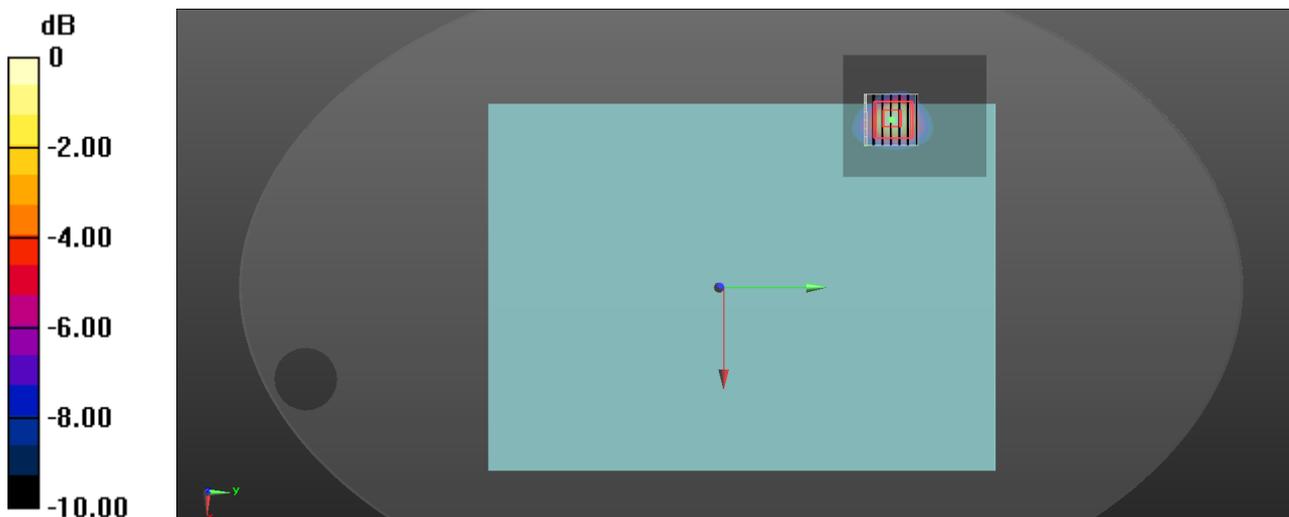
Communication System: UID 0, IEEE 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.005  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.735$  S/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.44, 7.44, 7.44) @ 2437 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x71x1):** 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 = 21.86 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 2.09 W/kg  
**SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.338 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.8 mm  
Ratio of SAR at M2 to SAR at M1 = 40%  
Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

Date: 2022/12/19

**25\_WLAN 2.4 GHz\_802.11n HT40\_Ch9\_Bottom of laptop\_0 mm\_ANT MIMO**

**DUT: UX5304V**

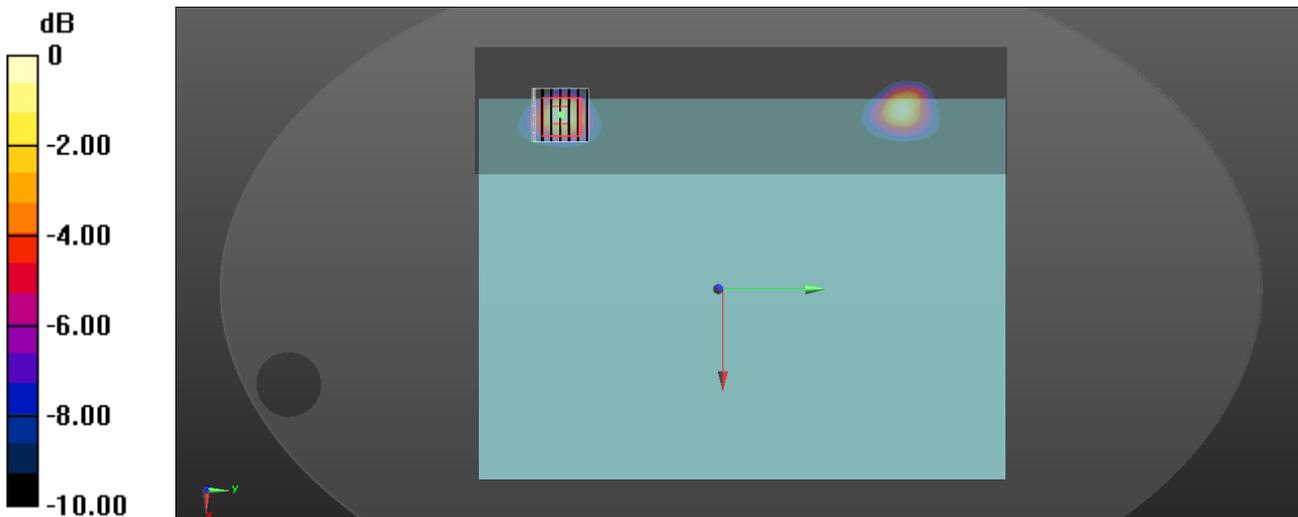
Communication System: UID 0, IEEE 802.11n(2.4GHz) (0); Frequency: 2452 MHz;Duty Cycle: 1:1.013  
Medium parameters used:  $f = 2452$  MHz;  $\sigma = 1.748$  S/m;  $\epsilon_r = 39.374$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.44, 7.44, 7.44) @ 2452 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x251x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.94 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 28.55 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 2.33 W/kg  
**SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.394 W/kg**  
Smallest distance from peaks to all points 3 dB below = 8.1 mm  
Ratio of SAR at M2 to SAR at M1 = 41.8%  
Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.77 W/kg = 2.48 dBW/kg

Date: 2022/12/19

**03\_Bluetooth\_GFSK\_Ch0\_Bottom of laptop\_0 mm\_ANT Aux**

**DUT: UX5304V**

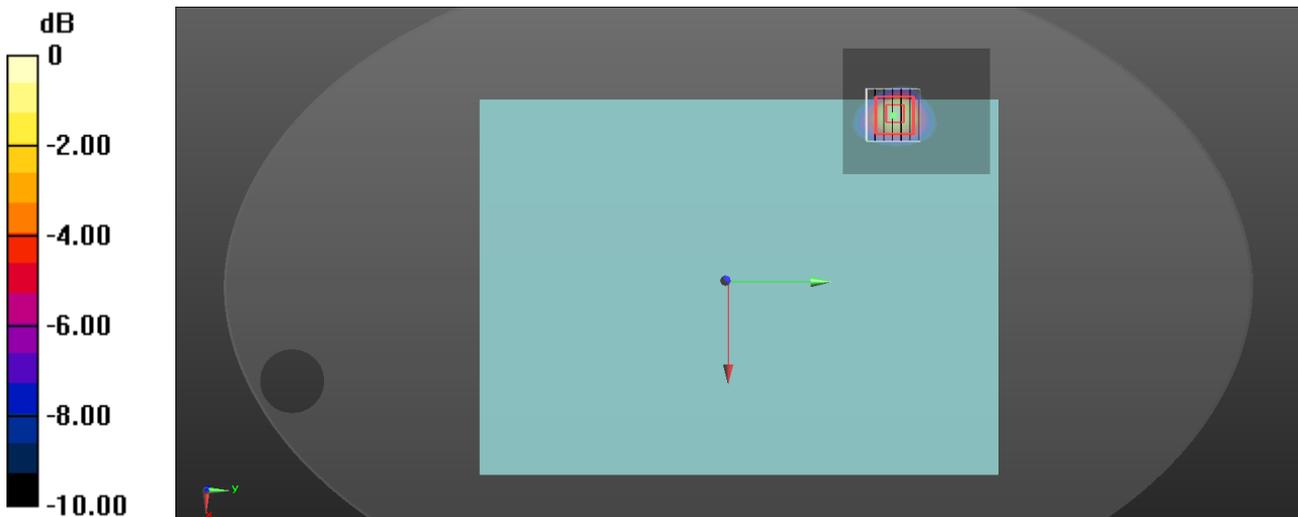
Communication System: UID 0, Bluetooth 3.0 (0); Frequency: 2402 MHz; Duty Cycle: 1:1.296  
 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.706$  S/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(7.44, 7.44, 7.44) @ 2402 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x71x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm  
 Maximum value of SAR (interpolated) = 0.664 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 14.81 V/m; Power Drift = 0.10 dB  
 Peak SAR (extrapolated) = 0.907 W/kg  
**SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.150 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 8.1 mm  
 Ratio of SAR at M2 to SAR at M1 = 40.6%  
 Maximum value of SAR (measured) = 0.689 W/kg



0 dB = 0.689 W/kg = -1.62 dBW/kg

Date: 2022/12/20

**04\_WLAN 5 GHz\_802.11ac\_VHT160\_Ch50\_Bottom of laptop\_0 mm\_ANT Main**

**DUT: UX5304V**

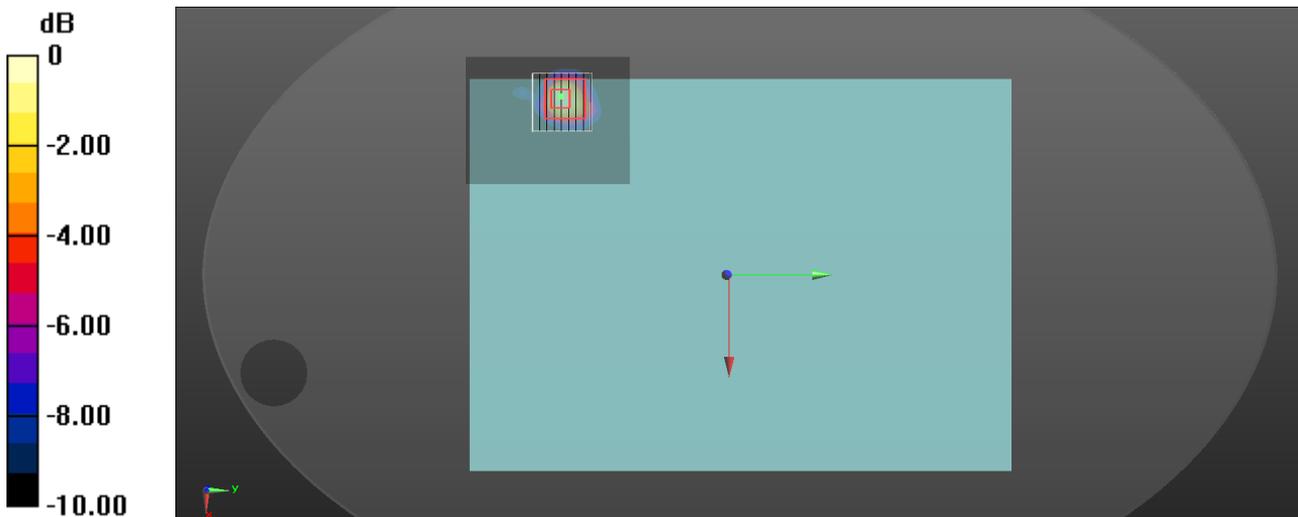
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.015  
Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.825$  S/m;  $\epsilon_r = 36.643$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(5.01, 5.01, 5.01) @ 5250 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.57 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 16.73 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 4.11 W/kg  
**SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.294 W/kg**  
Smallest distance from peaks to all points 3 dB below = 7.2 mm  
Ratio of SAR at M2 to SAR at M1 = 60.2%  
Maximum value of SAR (measured) = 2.21 W/kg



0 dB = 2.21 W/kg = 3.44 dBW/kg

Date: 2022/12/20

**05\_WLAN 5 GHz\_802.11ac\_VHT160\_Ch50\_Bottom of laptop\_0 mm\_ANT Aux**

**DUT: UX5304V**

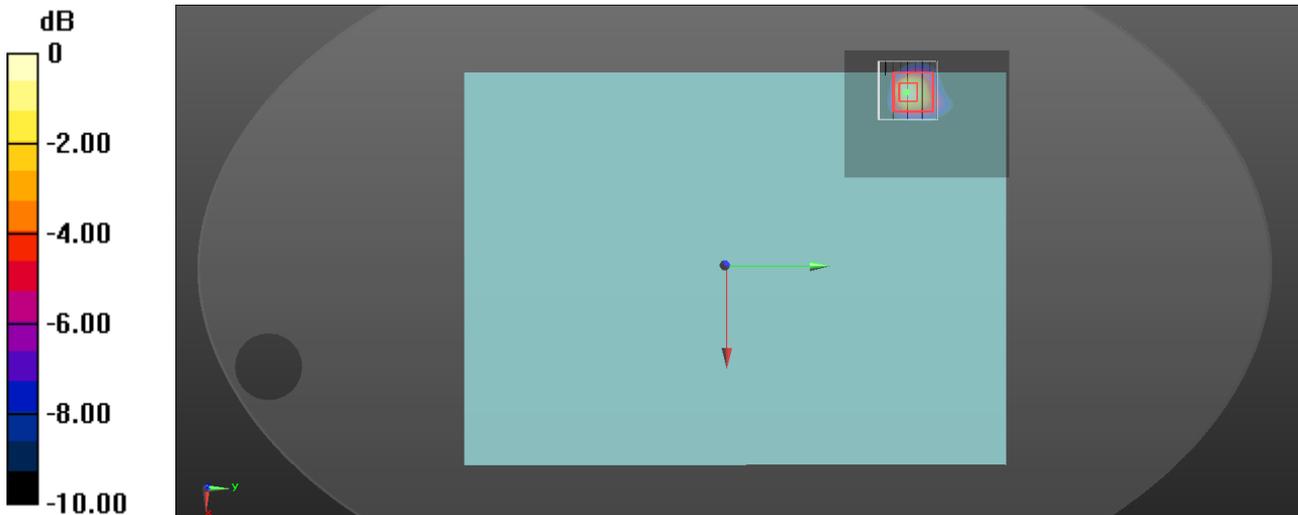
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.015  
Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.825$  S/m;  $\epsilon_r = 36.643$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(5.01, 5.01, 5.01) @ 5250 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.62 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 10.93 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 2.68 W/kg  
**SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.180 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.4 mm  
Ratio of SAR at M2 to SAR at M1 = 60.9%  
Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

Date: 2022/12/28

**26\_WLAN 5 GHz\_802.11ac\_VHT160\_Ch50\_Bottom of laptop\_0 mm\_ANT MIMO**

**DUT: UX5304V**

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.015  
Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.806$  S/m;  $\epsilon_r = 36.541$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(5.01, 5.01, 5.01) @ 5250 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x301x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.83 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 15.06 V/m; Power Drift = -0.06 dB

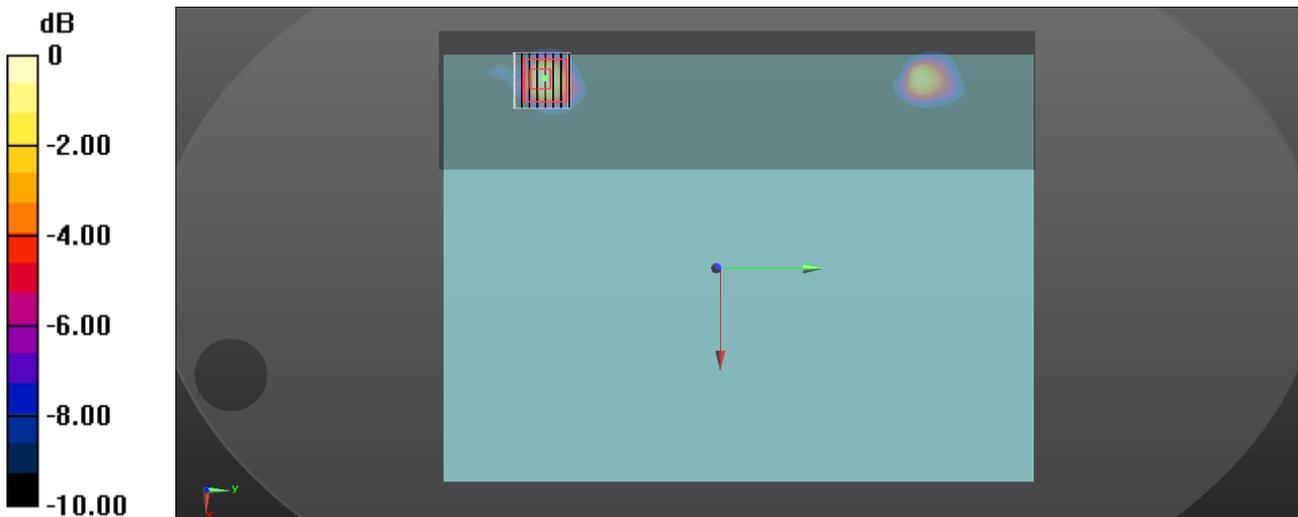
Peak SAR (extrapolated) = 4.56 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.342 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 62.1%

Maximum value of SAR (measured) = 2.62 W/kg



0 dB = 2.62 W/kg = 4.18 dBW/kg

Date: 2022/12/20

**06\_WLAN 5 GHz\_802.11ac\_VHT80\_Ch138\_Bottom of laptop\_0 mm\_ANT Main**

**DUT: UX5304V**

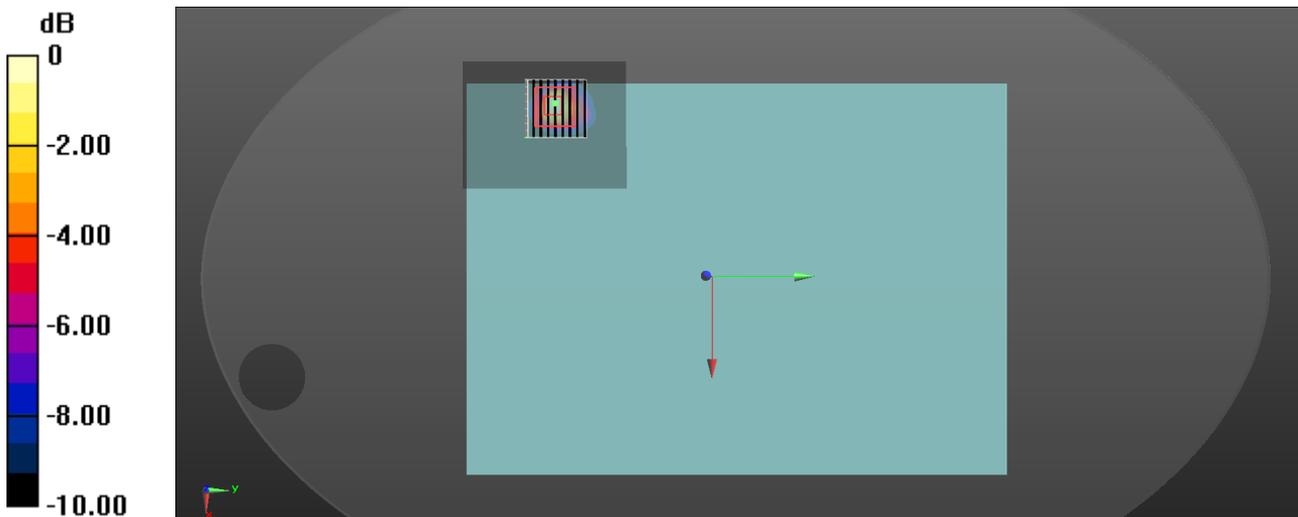
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5690 MHz;Duty Cycle: 1:1.013  
Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.284$  S/m;  $\epsilon_r = 35.796$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(4.65, 4.65, 4.65) @ 5690 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.61 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 16.70 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 5.06 W/kg  
**SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.277 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.4 mm  
Ratio of SAR at M2 to SAR at M1 = 57.7%  
Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 2.50 W/kg = 3.98 dBW/kg

Date: 2022/12/20

**07\_WLAN 5 GHz\_802.11ac\_VHT80\_Ch138\_Bottom of laptop\_0 mm\_ANT Aux**

**DUT: UX5304V**

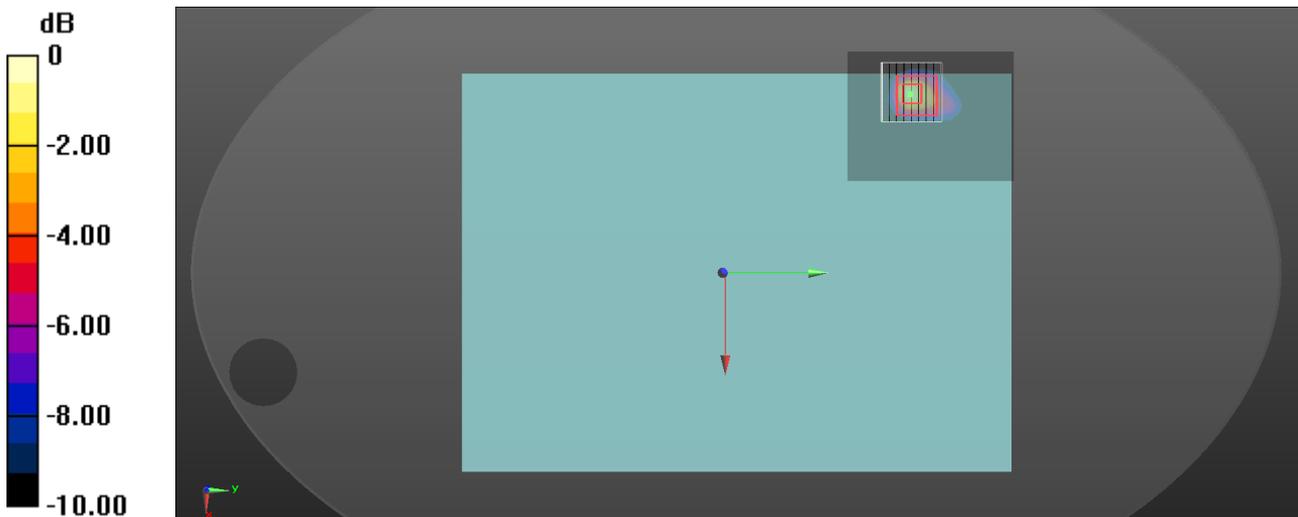
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5690 MHz;Duty Cycle: 1:1.013  
Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.284$  S/m;  $\epsilon_r = 35.796$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(4.65, 4.65, 4.65) @ 5690 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.88 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 16.43 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 3.95 W/kg  
**SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.206 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.1 mm  
Ratio of SAR at M2 to SAR at M1 = 57%  
Maximum value of SAR (measured) = 2.06 W/kg



0 dB = 2.06 W/kg = 3.14 dBW/kg

Date: 2022/12/28

**27\_WLAN 5 GHz\_802.11ac\_VHT80\_Ch138\_Bottom of laptop\_0 mm\_ANT MIMO**

**DUT: UX5304V**

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5690 MHz;Duty Cycle: 1:1.013  
Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.263$  S/m;  $\epsilon_r = 35.693$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(4.65, 4.65, 4.65) @ 5690 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x301x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.69 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 14.11 V/m; Power Drift = -0.01 dB

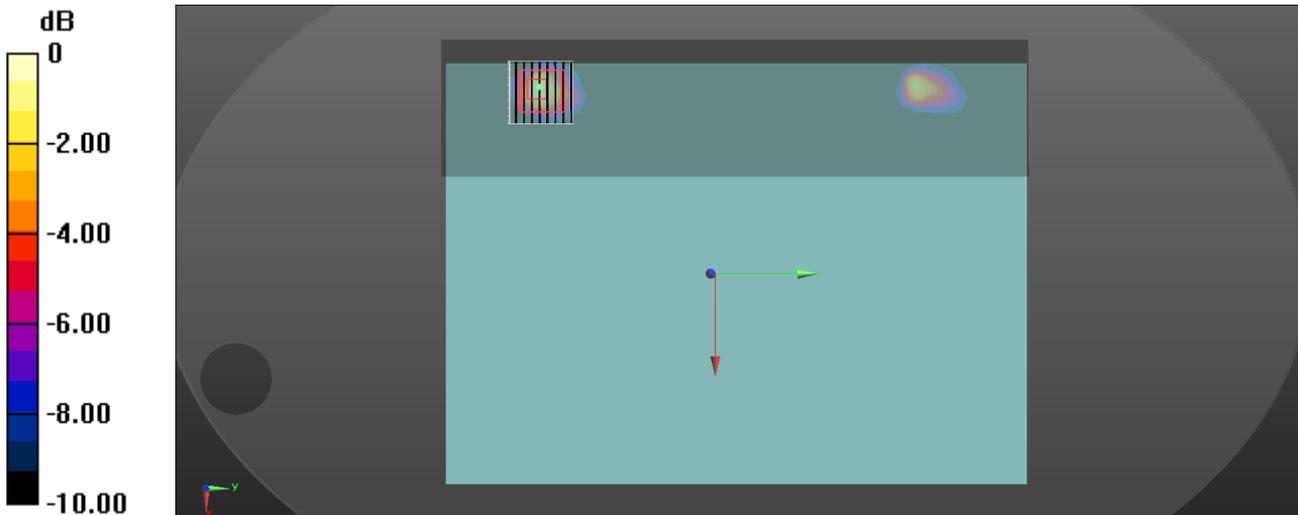
Peak SAR (extrapolated) = 5.13 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.301 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 59.4%

Maximum value of SAR (measured) = 2.62 W/kg



0 dB = 2.62 W/kg = 4.18 dBW/kg

Date: 2022/12/20

**08\_WLAN 5 GHz\_802.11ac\_VHT80\_Ch155\_Bottom of laptop\_0 mm\_ANT Main**

**DUT: UX5304V**

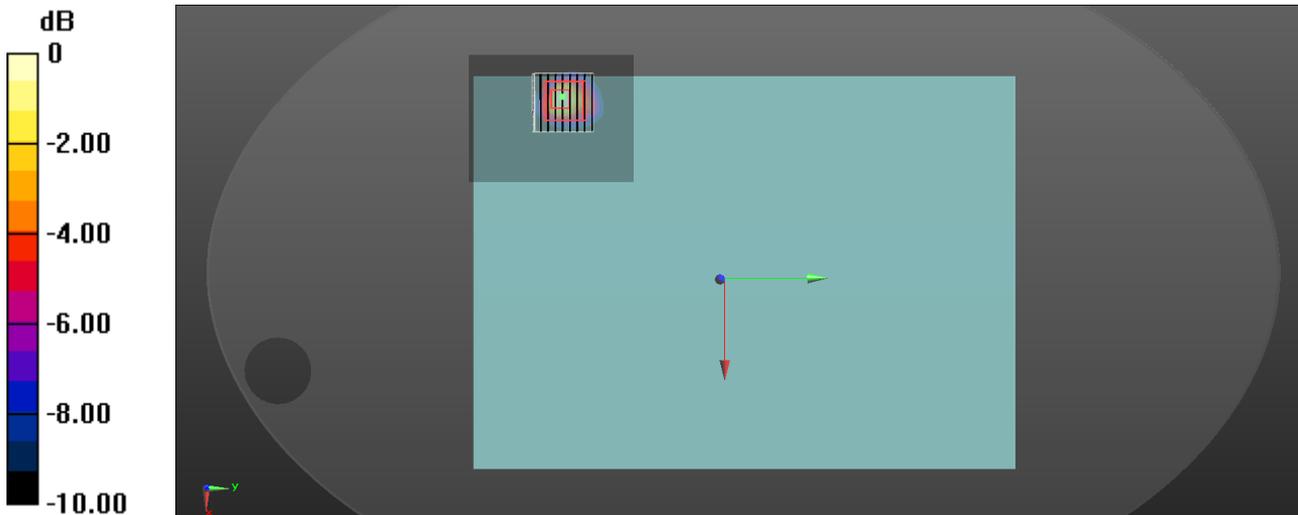
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.013  
Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.364$  S/m;  $\epsilon_r = 35.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(4.65, 4.65, 4.65) @ 5775 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.13 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 12.59 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 4.11 W/kg  
**SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.222 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.1 mm  
Ratio of SAR at M2 to SAR at M1 = 57.4%  
Maximum value of SAR (measured) = 1.98 W/kg



0 dB = 1.98 W/kg = 2.97 dBW/kg

Date: 2022/12/20

**09\_WLAN 5 GHz\_802.11ac\_VHT80\_Ch155\_Bottom of laptop\_0 mm\_ANT Aux**

**DUT: UX5304V**

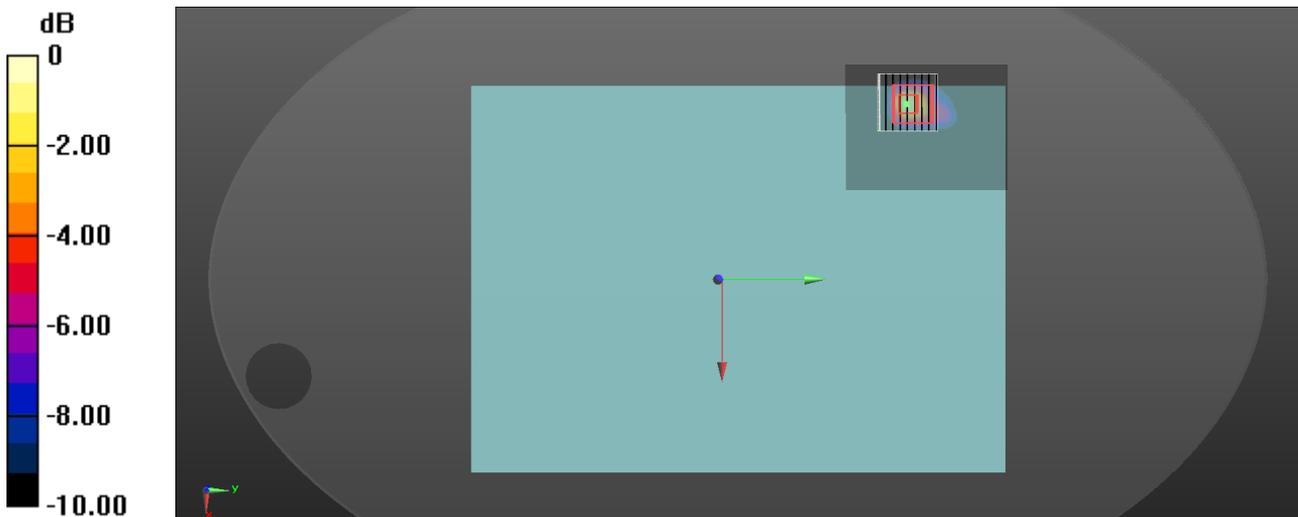
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.013  
Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.364$  S/m;  $\epsilon_r = 35.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(4.65, 4.65, 4.65) @ 5775 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.98 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 16.19 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 4.25 W/kg  
**SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.215 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.4 mm  
Ratio of SAR at M2 to SAR at M1 = 56.4%  
Maximum value of SAR (measured) = 2.21 W/kg



0 dB = 2.21 W/kg = 3.44 dBW/kg

Date: 2022/12/28

**28\_WLAN 5 GHz\_802.11ac\_VHT80\_Ch155\_Bottom of laptop\_0 mm\_ANT MIMO**

**DUT: UX5304V**

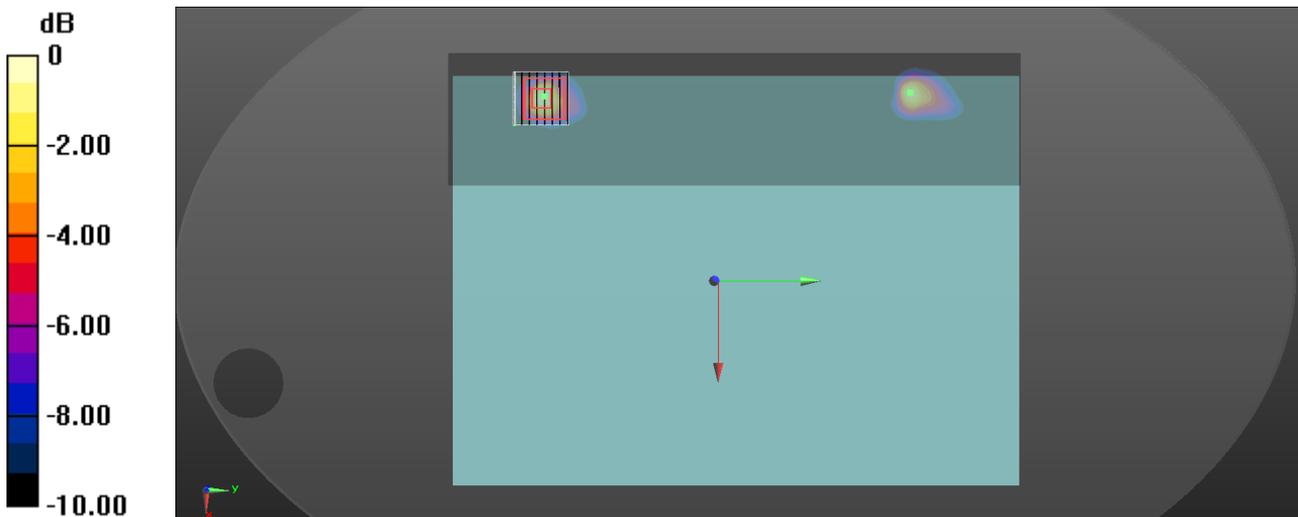
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.013  
Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.343$  S/m;  $\epsilon_r = 35.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3977; ConvF(4.65, 4.65, 4.65) @ 5775 MHz; Calibrated: 2022/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2022/7/19
- Phantom: ELI; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASYS2, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (71x301x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.39 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 18.43 V/m; Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 4.81 W/kg  
**SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.265 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.2 mm  
Ratio of SAR at M2 to SAR at M1 = 58.3%  
Maximum value of SAR (measured) = 2.46 W/kg



0 dB = 2.46 W/kg = 3.91 dBW/kg

10\_WLAN 6 GHz\_802.11ax HE160\_Ch15\_Bottom of laptop\_0 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	5.5	5.38	34.6

Hardware Setup

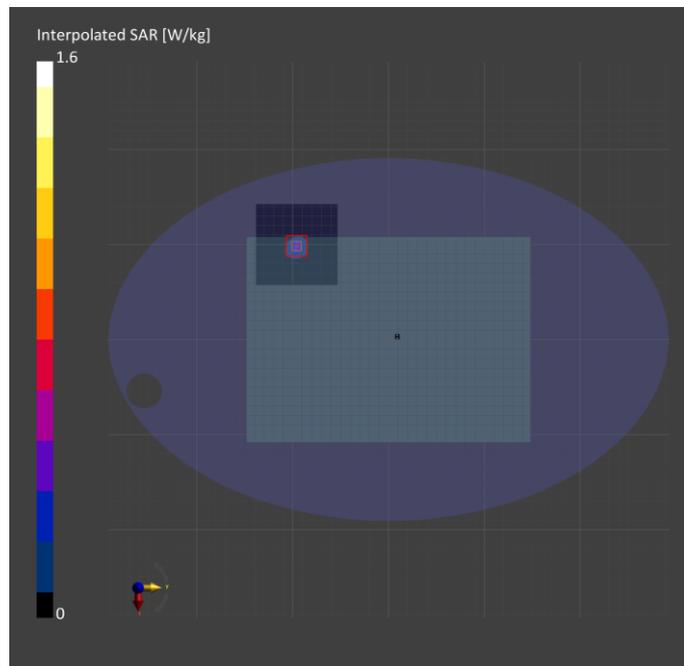
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.359	0.331
psSAR10g [W/Kg]	0.102	0.091
psPDab (1.0cm2, sq) [W/m2]		3.31
psPDab (4.0cm2, sq) [W/m2]		2.14
Power Drift [dB]	-0.13	-0.16
TSL Correction	Positive only	Positive only
M2/M1 [%]		51.1
Dist 3dB Peak [mm]		6.7



11\_WLAN 6 GHz\_802.11ax HE160\_Ch47\_Bottom of laptop\_0 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	5.5	5.49	34.6

Hardware Setup

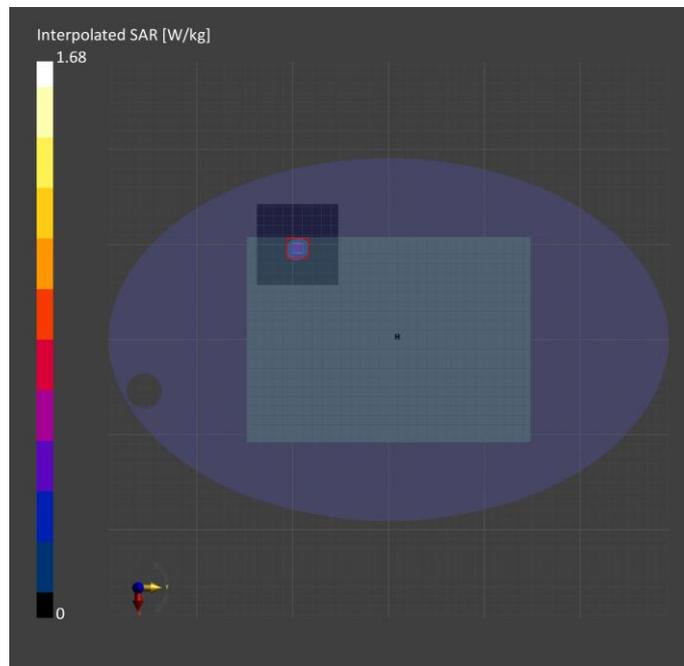
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.364	0.338
psSAR10g [W/Kg]	0.105	0.091
psPDab (1.0cm2, sq) [W/m2]		3.38
psPDab (4.0cm2, sq) [W/m2]		2.17
Power Drift [dB]	-0.10	0.08
TSL Correction	Positive only	Positive only
M2/M1 [%]		49.4
Dist 3dB Peak [mm]		6.7



12\_WLAN 6 GHz\_802.11ax HE160\_Ch111\_Bottom of laptop\_0 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	5.5	5.95	33.8

Hardware Setup

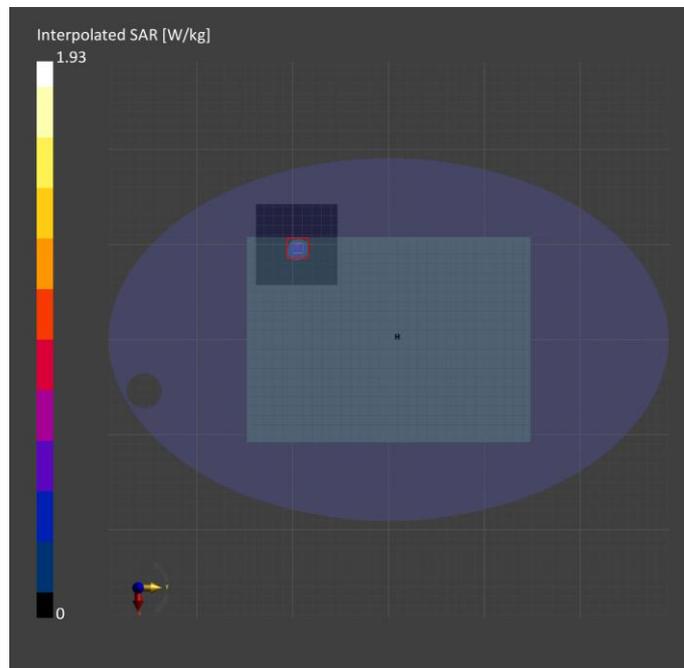
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.382	0.362
psSAR10g [W/Kg]	0.111	0.099
psPDab (1.0cm2, sq) [W/m2]		3.62
psPDab (4.0cm2, sq) [W/m2]		2.34
Power Drift [dB]	0.08	-0.02
TSL Correction	Positive only	Positive only
M2/M1 [%]		46.9
Dist 3dB Peak [mm]		6.7



13\_WLAN 6 GHz\_802.11ax HE160\_Ch143\_Bottom of laptop\_0 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	5.5	6.16	33.3

Hardware Setup

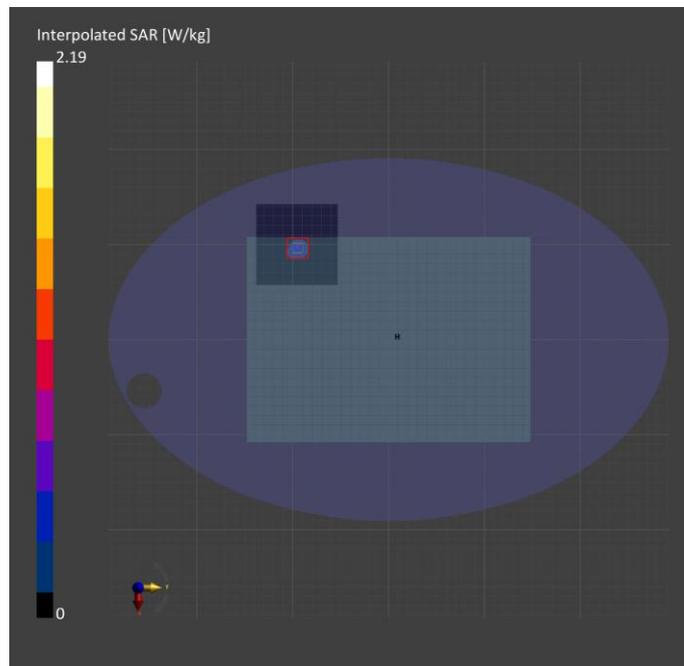
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.425	0.398
psSAR10g [W/Kg]	0.121	0.106
psPDab (1.0cm2, sq) [W/m2]		3.98
psPDab (4.0cm2, sq) [W/m2]		2.52
Power Drift [dB]	0.10	-0.07
TSL Correction	Positive only	Positive only
M2/M1 [%]		46.2
Dist 3dB Peak [mm]		6.1



14\_WLAN 6 GHz\_802.11ax HE160\_Ch207\_Bottom of laptop\_0 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	5.5	6.49	32.8

Hardware Setup

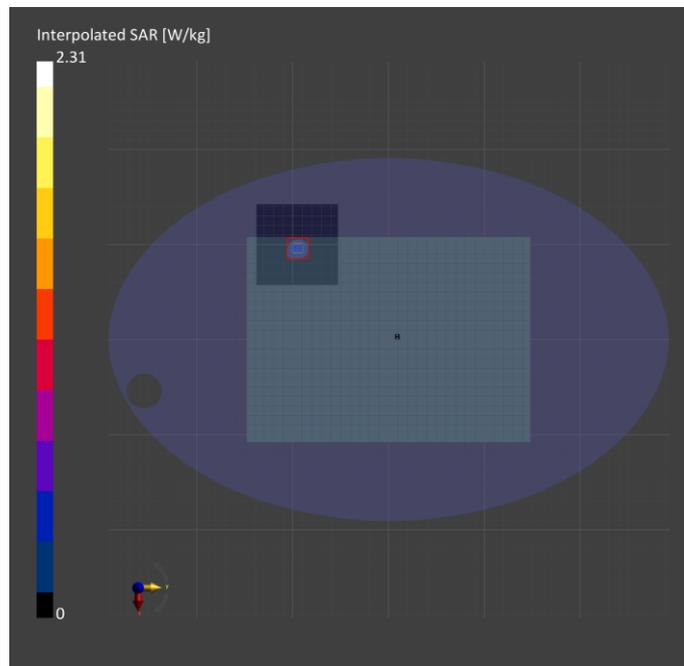
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.448	0.393
psSAR10g [W/Kg]	0.130	0.104
psPDab (1.0cm2, sq) [W/m2]		3.93
psPDab (4.0cm2, sq) [W/m2]		2.48
Power Drift [dB]	-0.11	-0.04
TSL Correction	Positive only	Positive only
M2/M1 [%]		43.8
Dist 3dB Peak [mm]		6.1



15\_WLAN 6 GHz\_802.11ax HE160\_Ch15\_Bottom of laptop\_0 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	5.5	5.38	34.6

Hardware Setup

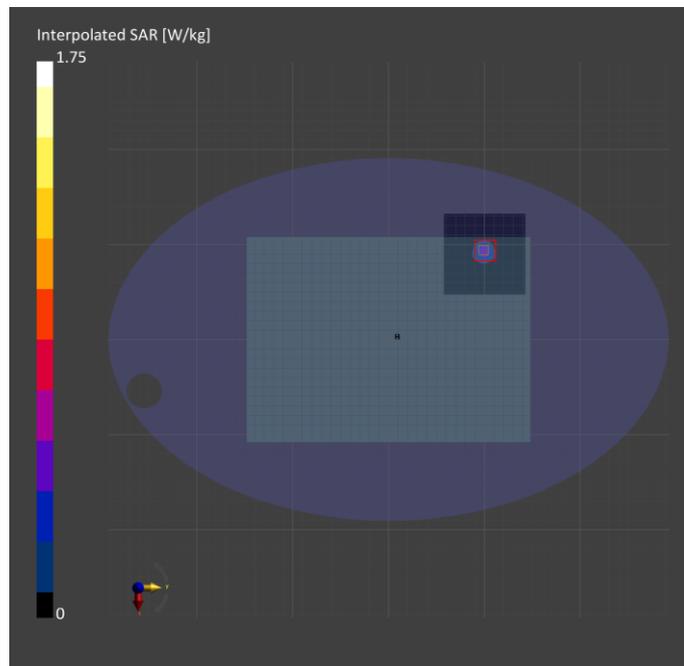
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.405	0.348
psSAR10g [W/Kg]	0.118	0.095
psPDab (1.0cm2, sq) [W/m2]		3.48
psPDab (4.0cm2, sq) [W/m2]		2.25
Power Drift [dB]	-0.03	-0.11
TSL Correction	Positive only	Positive only
M2/M1 [%]		49.2
Dist 3dB Peak [mm]		6.5



16\_WLAN 6 GHz\_802.11ax HE160\_Ch47\_Bottom of laptop\_0 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	5.5	5.49	34.6

Hardware Setup

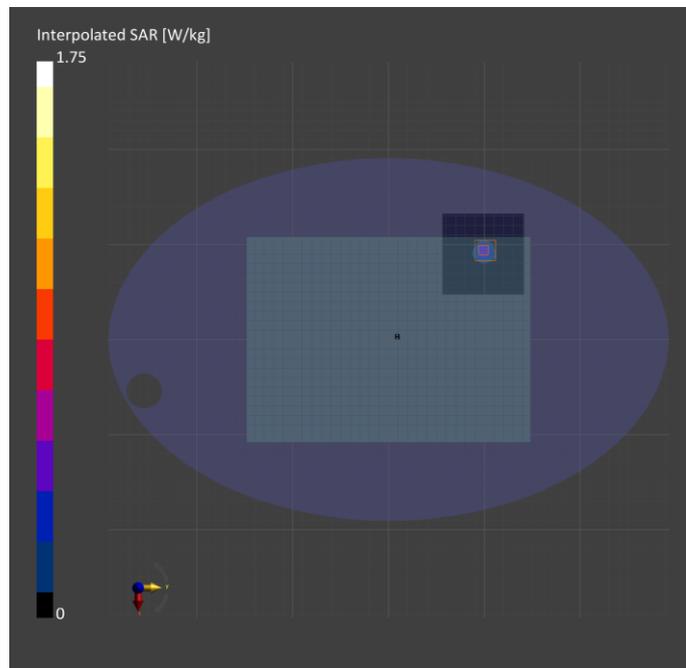
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.405	0.334
psSAR10g [W/Kg]	0.115	0.092
psPDab (1.0cm2, sq) [W/m2]		3.34
psPDab (4.0cm2, sq) [W/m2]		2.14
Power Drift [dB]	-0.01	-0.12
TSL Correction	Positive only	Positive only
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		6.3



17\_WLAN 6 GHz\_802.11ax HE160\_Ch111\_Bottom of laptop\_0 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	5.5	5.95	33.8

Hardware Setup

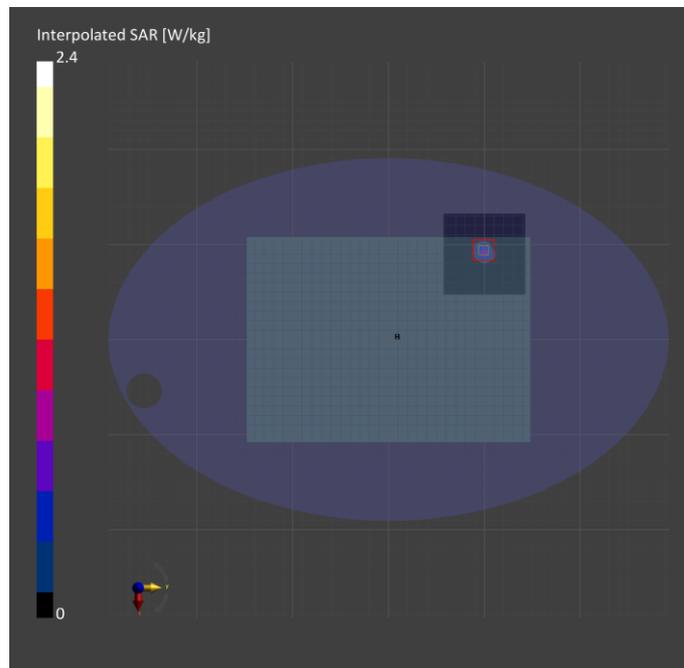
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.511	0.427
psSAR10g [W/Kg]	0.145	0.112
psPDab (1.0cm2, sq) [W/m2]		4.27
psPDab (4.0cm2, sq) [W/m2]		2.63
Power Drift [dB]	-0.16	-0.02
TSL Correction	Positive only	Positive only
M2/M1 [%]		46.9
Dist 3dB Peak [mm]		6.1



18\_WLAN 6 GHz\_802.11ax HE160\_Ch143\_Bottom of laptop\_0 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	5.5	6.16	33.3

Hardware Setup

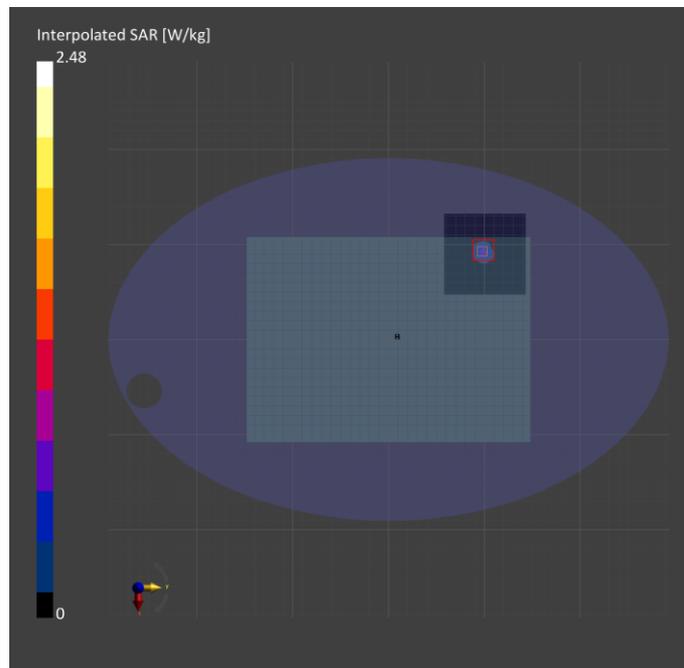
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.534	0.434
psSAR10g [W/Kg]	0.154	0.113
psPDab (1.0cm2, sq) [W/m2]		4.34
psPDab (4.0cm2, sq) [W/m2]		2.68
Power Drift [dB]	-0.07	-0.12
TSL Correction	Positive only	Positive only
M2/M1 [%]		45.5
Dist 3dB Peak [mm]		6.2



19\_WLAN 6 GHz\_802.11ax HE160\_Ch207\_Bottom of laptop\_0 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	5.5	6.49	32.8

Hardware Setup

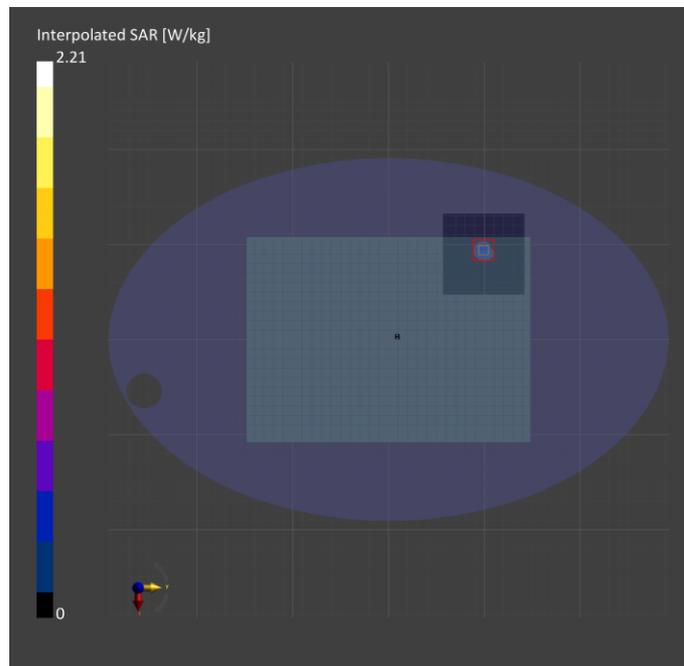
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.425	0.353
psSAR10g [W/Kg]	0.118	0.089
psPDab (1.0cm2, sq) [W/m2]		3.53
psPDab (4.0cm2, sq) [W/m2]		2.11
Power Drift [dB]	0.01	-0.11
TSL Correction	Positive only	Positive only
M2/M1 [%]		43.2
Dist 3dB Peak [mm]		5.6



20\_WLAN 6 GHz\_802.11ax HE160\_Ch15\_Bottom of laptop\_0 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	5.5	5.38	34.6

Hardware Setup

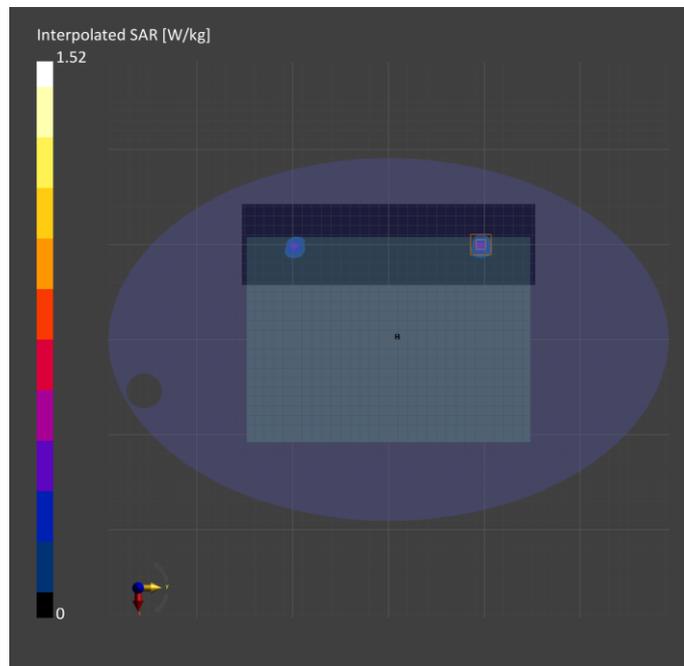
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 306.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.324	0.309
psSAR10g [W/Kg]	0.092	0.085
psPDab (1.0cm2, sq) [W/m2]		3.09
psPDab (4.0cm2, sq) [W/m2]		1.98
Power Drift [dB]	0.01	-0.00
TSL Correction	Positive only	Positive only
M2/M1 [%]		50.5
Dist 3dB Peak [mm]		6.5



21\_WLAN 6 GHz\_802.11ax HE160\_Ch47\_Bottom of laptop\_0 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	5.5	5.49	34.6

Hardware Setup

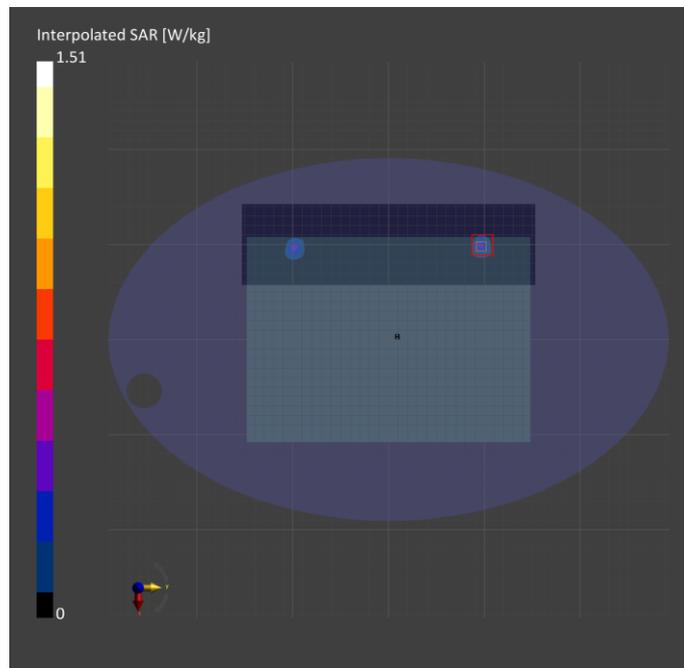
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 306.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.306	0.297
psSAR10g [W/Kg]	0.088	0.081
psPDab (1.0cm2, sq) [W/m2]		2.97
psPDab (4.0cm2, sq) [W/m2]		1.91
Power Drift [dB]	0.04	0.03
TSL Correction	Positive only	Positive only
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		6.8



22\_WLAN 6 GHz\_802.11ax HE160\_Ch111\_Bottom of laptop\_0 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	5.5	5.95	33.8

Hardware Setup

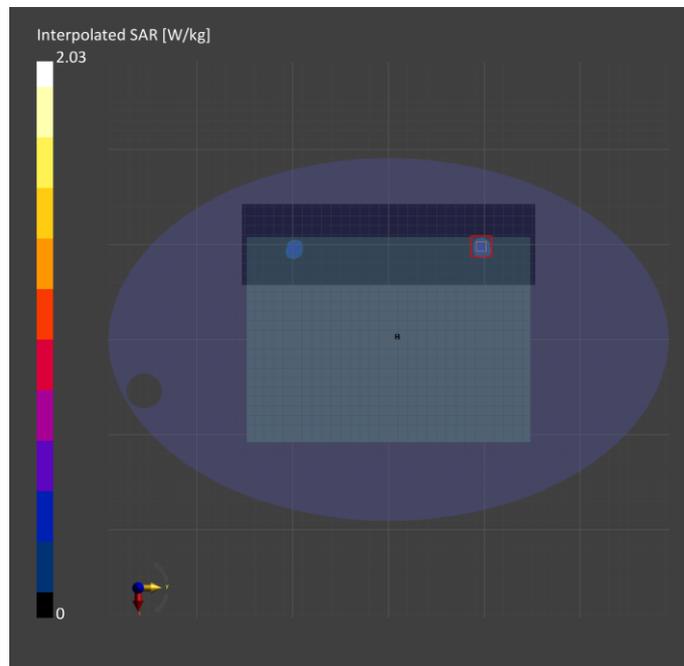
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 306.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.371	0.368
psSAR10g [W/Kg]	0.103	0.097
psPDab (1.0cm2, sq) [W/m2]		3.68
psPDab (4.0cm2, sq) [W/m2]		2.31
Power Drift [dB]	0.03	-0.01
TSL Correction	Positive only	Positive only
M2/M1 [%]		47.1
Dist 3dB Peak [mm]		6.1



23\_WLAN 6 GHz\_802.11ax HE160\_Ch143\_Bottom of laptop\_0 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	5.5	6.16	33.3

Hardware Setup

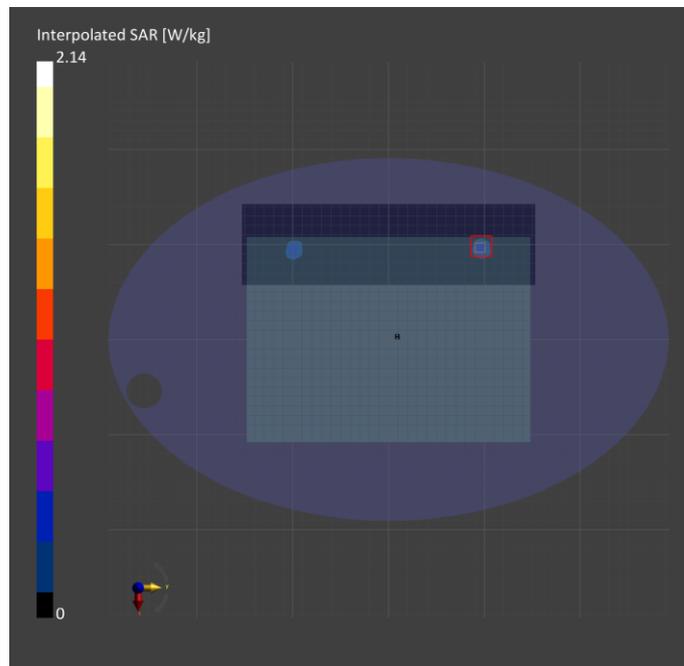
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 306.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.382	0.372
psSAR10g [W/Kg]	0.108	0.098
psPDab (1.0cm2, sq) [W/m2]		3.72
psPDab (4.0cm2, sq) [W/m2]		2.30
Power Drift [dB]	0.09	0.02
TSL Correction	Positive only	Positive only
M2/M1 [%]		45.6
Dist 3dB Peak [mm]		6.1



24\_WLAN 6 GHz\_802.11ax HE160\_Ch207\_Bottom of laptop\_0 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom of laptop, 0.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	5.5	6.49	32.8

Hardware Setup

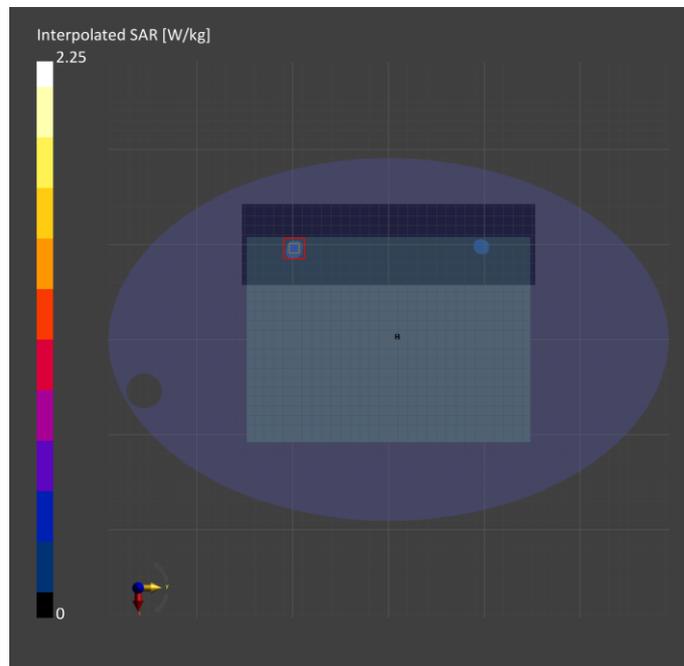
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HSL6G	EX3DV4 - SN3847, 2022-03-24	DAE4 Sn541, 2022-03-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 306.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/Kg]	0.345	0.405
psSAR10g [W/Kg]	0.098	0.108
psPDab (1.0cm2, sq) [W/m2]		4.05
psPDab (4.0cm2, sq) [W/m2]		2.56
Power Drift [dB]	0.13	0.06
TSL Correction	Positive only	Positive only
M2/M1 [%]		44.7
Dist 3dB Peak [mm]		6.3



100\_WLAN 6 GHz\_802.11ax HE160\_Ch15\_Bottom of laptop\_2 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

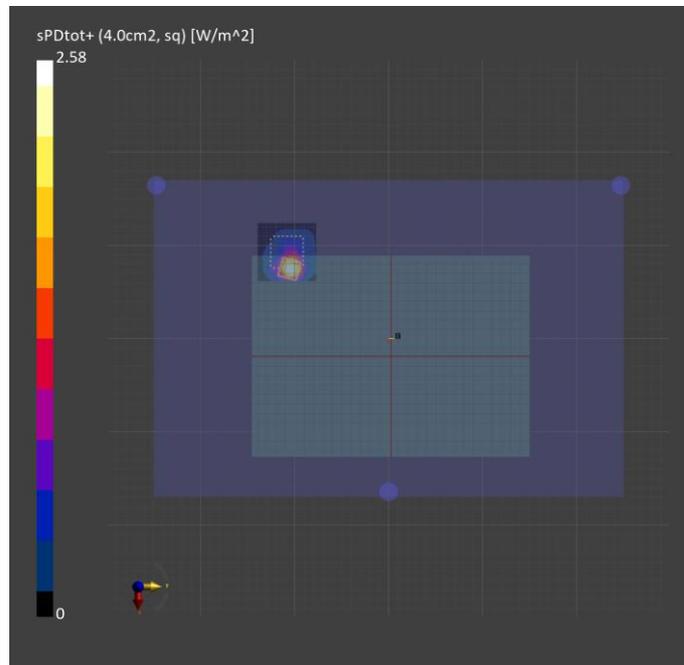
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	0.844
psPDtot+ [W/m <sup>2</sup> ]	2.51
psPDmod+ [W/m <sup>2</sup> ]	4.07
E <sub>max</sub> [V/m]	42.0
H <sub>max</sub> [A/m]	0.352
Power Drift [dB]	-0.03



101\_WLAN 6 GHz\_802.11ax HE160\_Ch47\_Bottom of laptop\_2 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

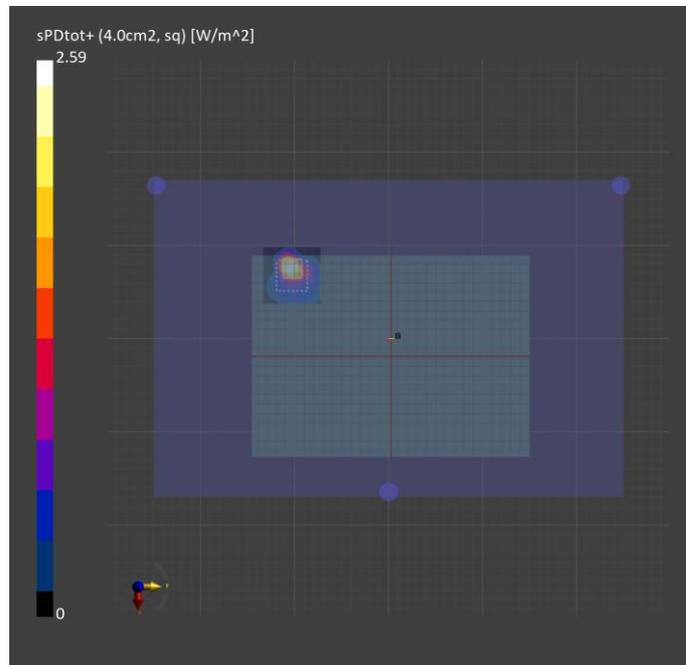
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.13
psPDtot+ [W/m <sup>2</sup> ]	2.57
psPDmod+ [W/m <sup>2</sup> ]	4.48
E <sub>max</sub> [V/m]	41.4
H <sub>max</sub> [A/m]	0.463
Power Drift [dB]	0.07



102\_WLAN 6 GHz\_802.11ax HE160\_Ch111\_Bottom of laptop\_2 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

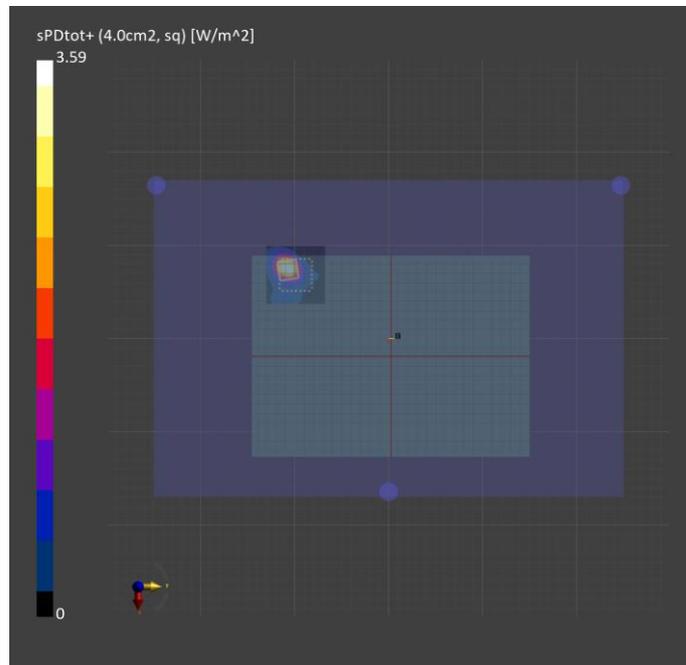
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.97
psPDtot+ [W/m <sup>2</sup> ]	3.57
psPDmod+ [W/m <sup>2</sup> ]	4.65
E <sub>max</sub> [V/m]	42.6
H <sub>max</sub> [A/m]	0.321
Power Drift [dB]	-0.11



103\_WLAN 6 GHz\_802.11ax HE160\_Ch143\_Bottom of laptop\_2 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	1.0

Hardware Setup

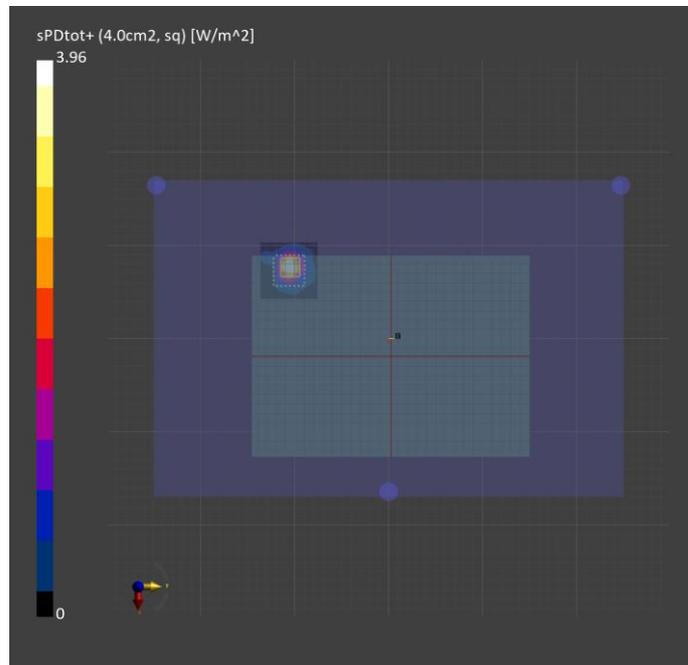
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	2.03
psPDtot+ [W/m <sup>2</sup> ]	3.89
psPDmod+ [W/m <sup>2</sup> ]	6.30
E <sub>max</sub> [V/m]	50.8
H <sub>max</sub> [A/m]	0.354
Power Drift [dB]	0.07



104\_WLAN 6 GHz\_802.11ax HE160\_Ch207\_Bottom of laptop\_2 mm\_ANT Main

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	1.0

Hardware Setup

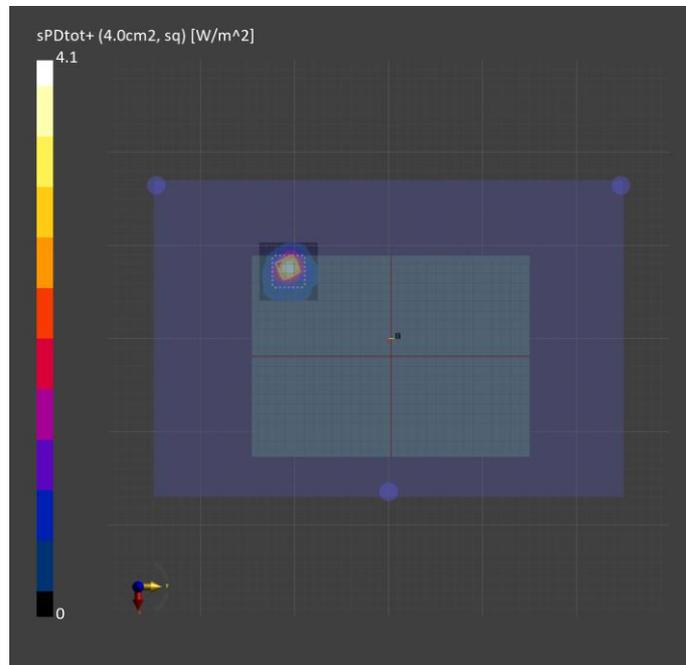
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	2.16
psPDtot+ [W/m <sup>2</sup> ]	4.08
psPDmod+ [W/m <sup>2</sup> ]	5.69
E <sub>max</sub> [V/m]	51.8
H <sub>max</sub> [A/m]	0.387
Power Drift [dB]	-0.00



106\_WLAN 6 GHz\_802.11ax HE160\_Ch15\_Bottom of laptop\_2 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

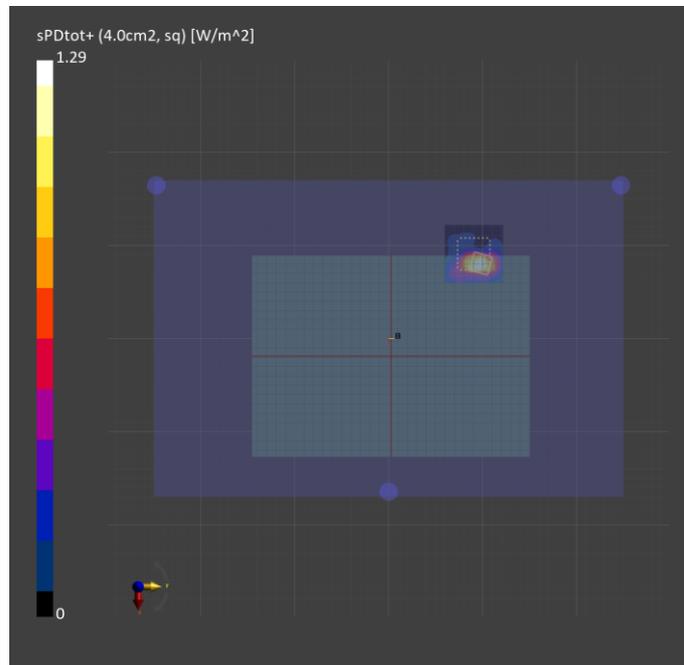
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	0.624
psPDtot+ [W/m <sup>2</sup> ]	1.24
psPDmod+ [W/m <sup>2</sup> ]	2.00
E <sub>max</sub> [V/m]	35.6
H <sub>max</sub> [A/m]	0.310
Power Drift [dB]	-0.04



107\_WLAN 6 GHz\_802.11ax HE160\_Ch47\_Bottom of laptop\_2 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

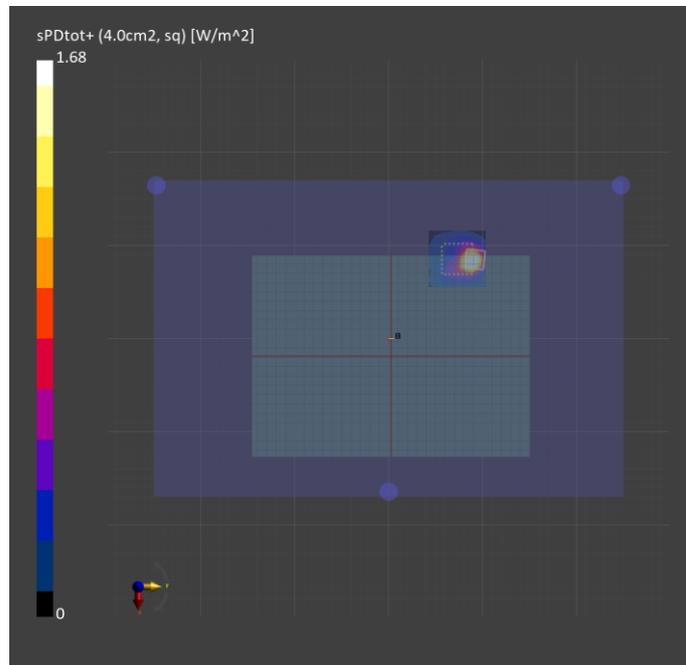
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	0.777
psPDtot+ [W/m <sup>2</sup> ]	1.67
psPDmod+ [W/m <sup>2</sup> ]	2.14
E <sub>max</sub> [V/m]	31.9
H <sub>max</sub> [A/m]	0.267
Power Drift [dB]	-0.09



108\_WLAN 6 GHz\_802.11ax HE160\_Ch111\_Bottom of laptop\_2 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

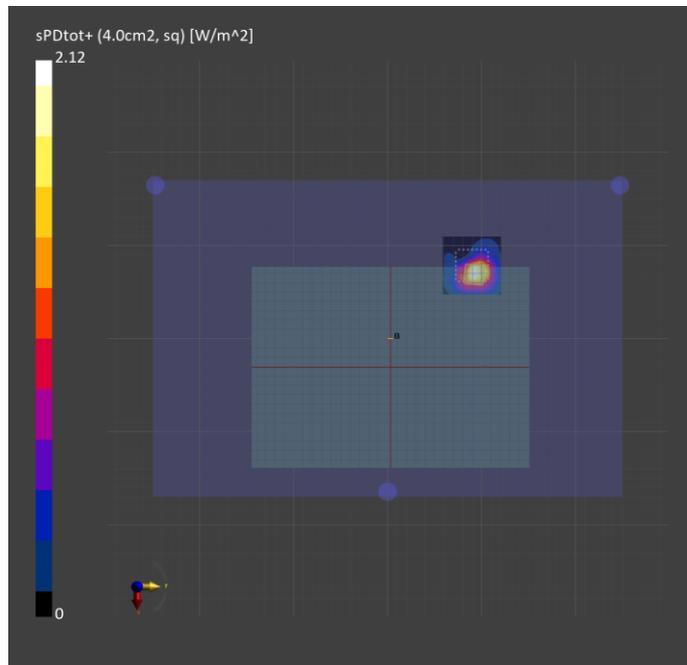
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.16
psPDtot+ [W/m <sup>2</sup> ]	2.10
psPDmod+ [W/m <sup>2</sup> ]	3.09
E <sub>max</sub> [V/m]	38.1
H <sub>max</sub> [A/m]	0.328
Power Drift [dB]	0.18



109\_WLAN 6 GHz\_802.11ax HE160\_Ch143\_Bottom of laptop\_2 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	1.0

Hardware Setup

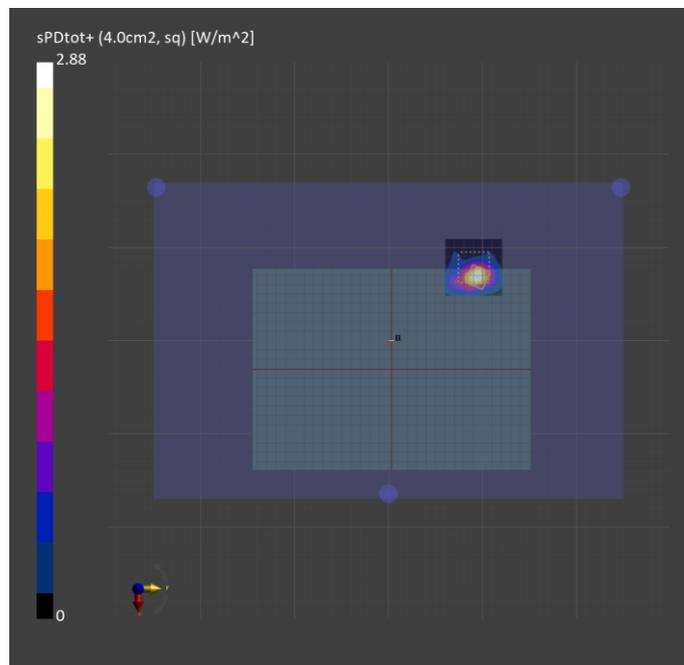
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	---Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.37
psPDtot+ [W/m <sup>2</sup> ]	2.80
psPDmod+ [W/m <sup>2</sup> ]	3.51
E <sub>max</sub> [V/m]	42.4
H <sub>max</sub> [A/m]	0.228
Power Drift [dB]	-0.02



110\_WLAN 6 GHz\_802.11ax HE160\_Ch207\_Bottom of laptop\_2 mm\_ANT Aux

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	1.0

Hardware Setup

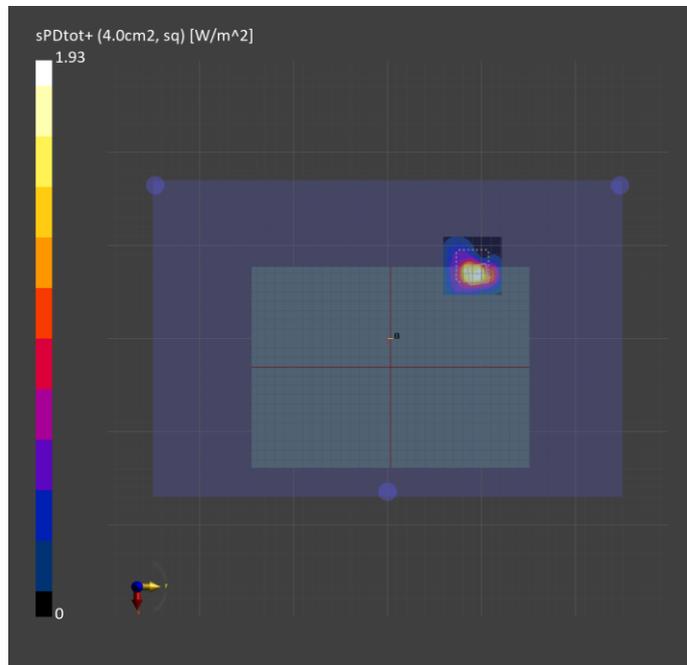
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-23
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	0.857
psPDtot+ [W/m <sup>2</sup> ]	1.89
psPDmod+ [W/m <sup>2</sup> ]	3.04
E <sub>max</sub> [V/m]	38.9
H <sub>max</sub> [A/m]	0.345
Power Drift [dB]	0.18



111\_WLAN 6 GHz\_802.11ax HE160\_Ch15\_Bottom of laptop\_2 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

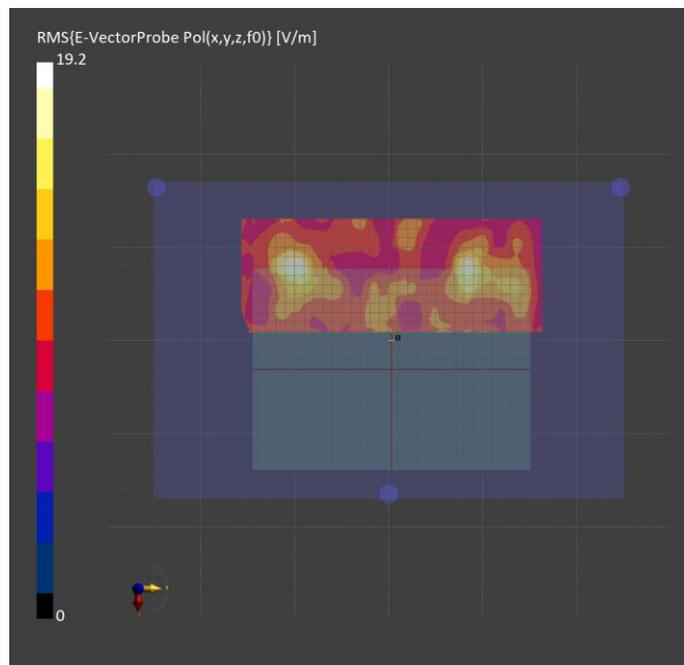
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-26
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	0.920
psPDtot+ [W/m <sup>2</sup> ]	1.82
psPDmod+ [W/m <sup>2</sup> ]	2.55
E <sub>max</sub> [V/m]	34.9
H <sub>max</sub> [A/m]	0.315
Power Drift [dB]	0.13



112\_WLAN 6 GHz\_802.11ax HE160\_Ch47\_Bottom of laptop\_2 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

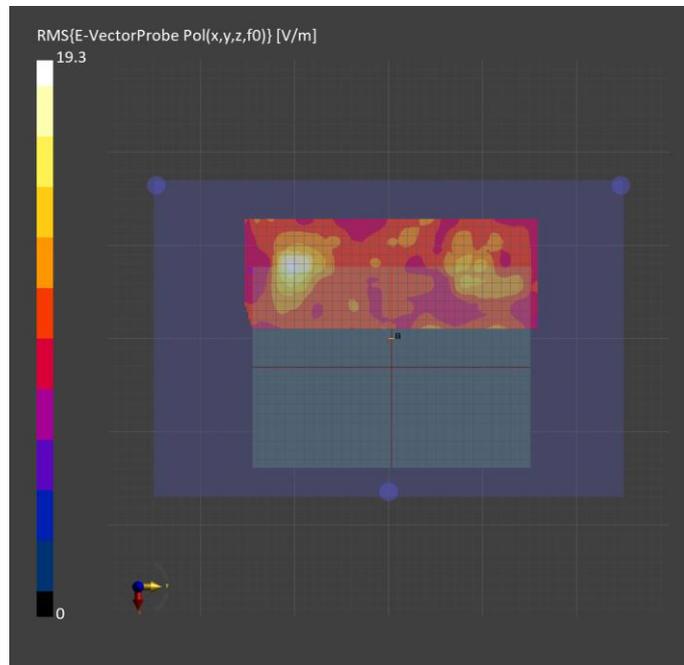
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-26
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.47
psPDtot+ [W/m <sup>2</sup> ]	2.53
psPDmod+ [W/m <sup>2</sup> ]	4.23
E <sub>max</sub> [V/m]	43.3
H <sub>max</sub> [A/m]	0.502
Power Drift [dB]	0.13



113\_WLAN 6 GHz\_802.11ax HE160\_Ch111\_Bottom of laptop\_2 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

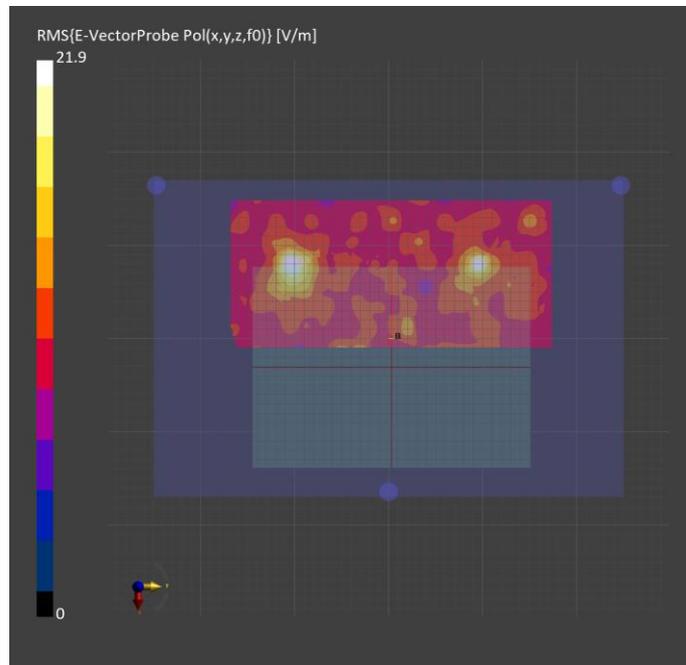
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-26
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.19
psPDtot+ [W/m <sup>2</sup> ]	2.34
psPDmod+ [W/m <sup>2</sup> ]	3.77
E <sub>max</sub> [V/m]	43.0
H <sub>max</sub> [A/m]	0.314
Power Drift [dB]	0.06



114\_WLAN 6 GHz\_802.11ax HE160\_Ch143\_Bottom of laptop\_2 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	1.0

Hardware Setup

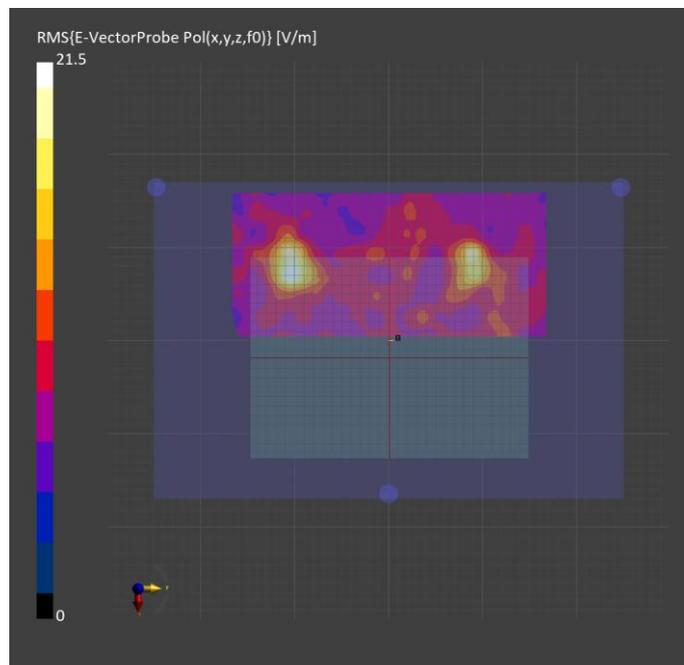
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-26
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	1.58
psPDtot+ [W/m <sup>2</sup> ]	2.85
psPDmod+ [W/m <sup>2</sup> ]	4.06
E <sub>max</sub> [V/m]	43.6
H <sub>max</sub> [A/m]	0.292
Power Drift [dB]	0.13



115\_WLAN 6 GHz\_802.11ax HE160\_Ch207\_Bottom of laptop\_2 mm\_ANT MIMO

Device under Test Properties

Model: UX5304V

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 5G Phantom	Air	EUmmWV4 - SN9639_F1-55GHz, 2022-08-24	DAE4 Sn541, 2022-03-23

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2022-12-26
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	2.11
psPDtot+ [W/m <sup>2</sup> ]	3.28
psPDmod+ [W/m <sup>2</sup> ]	6.21
E <sub>max</sub> [V/m]	48.2
H <sub>max</sub> [A/m]	0.503
Power Drift [dB]	0.10

