

## ***Appendix C - Highest Measurement Plots***

Date: 2023/11/13

### 1003\_WLAN 2.4 GHz\_802.11b\_Left Side\_0mm\_Ch1\_ANT 0\_Sample 1

#### DUT: AX201NGW

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1.003  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.806$  S/m;  $\epsilon_r = 39.953$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5

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 - SN7647; ConvF(8.05, 8.05, 8.05) @ 2412 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- Phantom: ELL; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (51x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 2.12 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 27.63 V/m; Power Drift = -0.12 dB

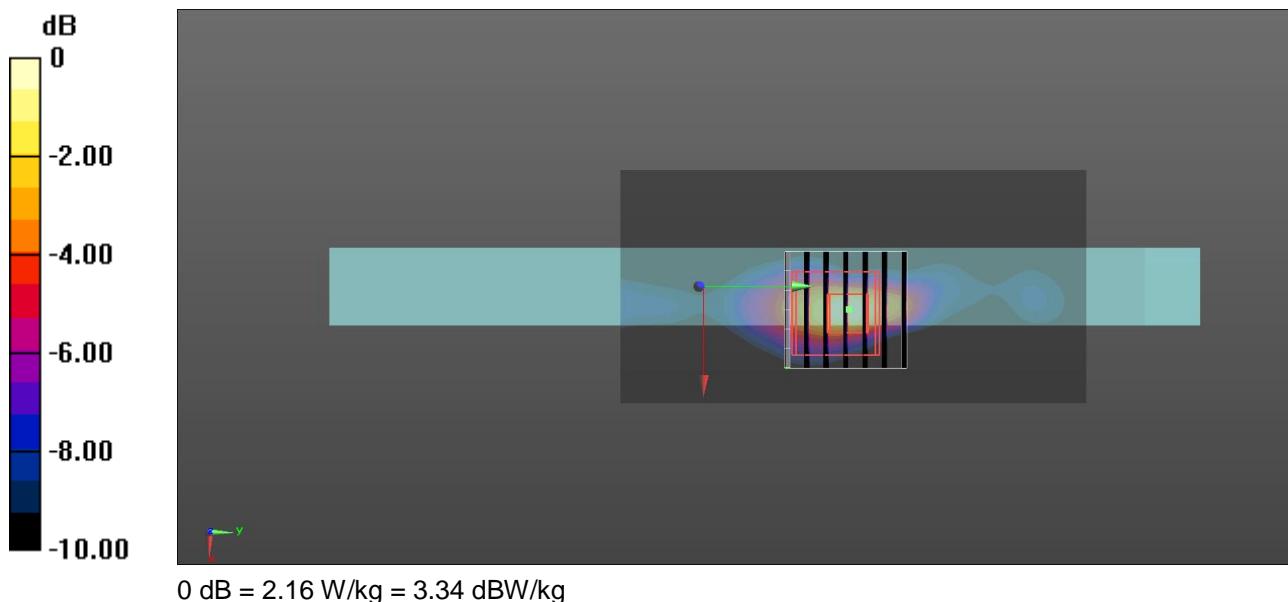
Peak SAR (extrapolated) = 2.97 W/kg

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.411 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 42.2%

Maximum value of SAR (measured) = 2.16 W/kg



Date: 2023/11/13

### 1038\_Bluetooth\_GFSK\_Rear Face\_0mm\_Ch39\_ANT 1\_Sample 1

#### DUT: AX201NGW

Communication System: UID 0, Bluetooth 3.0 (0); Frequency: 2441 MHz; Duty Cycle: 1:1.299  
Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.826$  S/m;  $\epsilon_r = 39.896$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5

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 - SN7647; ConvF(8.05, 8.05, 8.05) @ 2441 MHz; Calibrated: 2023/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2022/12/16
- 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 (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0783 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.784 V/m; Power Drift = 0.00 dB

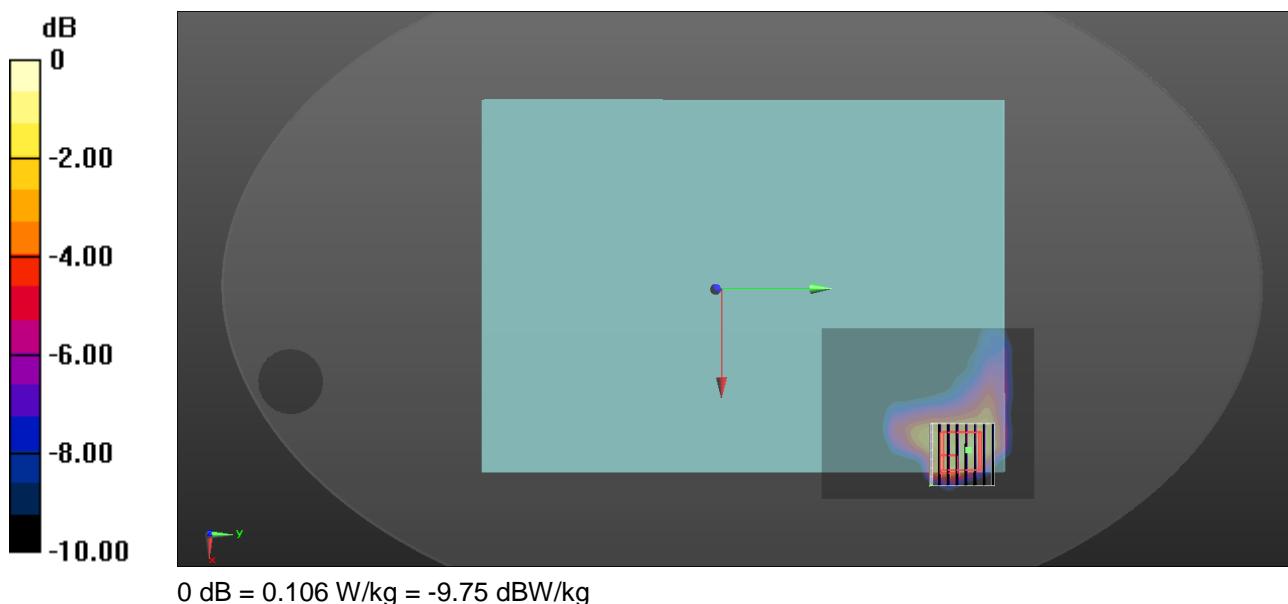
Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.030 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 45.8%

Maximum value of SAR (measured) = 0.106 W/kg



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## 1203\_WLAN 5 GHz\_802.11ac VHT80\_Front Side of laptop\_0mm\_Ch42\_ANT 1\_Sample 1

### DUT: AX201NGW

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5210 MHz; Duty Cycle: 1:1.009  
Medium parameters used:  $f = 5210$  MHz;  $\sigma = 4.47$  S/m;  $\epsilon_r = 34.459$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5

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(5.42, 5.19, 5.57) @ 5210 MHz; Calibrated: 2023/3/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- Phantom: ELL; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.22 W/kg

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

Reference Value = 13.06 V/m; Power Drift = -0.07 dB

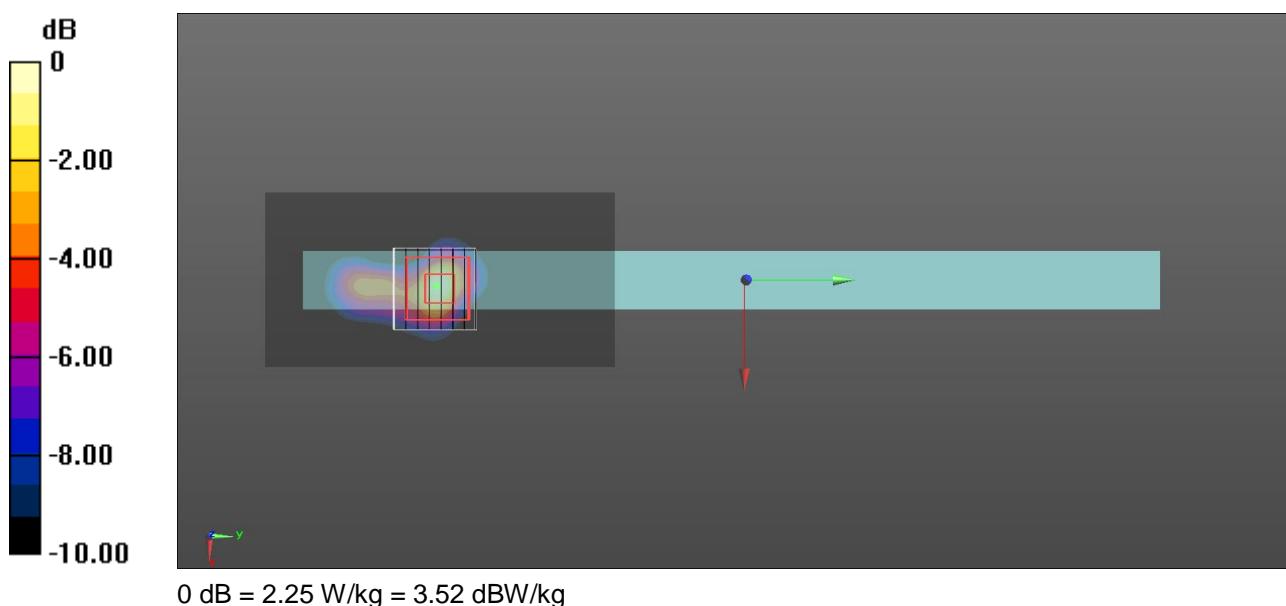
Peak SAR (extrapolated) = 3.56 W/kg

**SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.288 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 67.8%

Maximum value of SAR (measured) = 2.25 W/kg



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### 1204\_WLAN 5 GHz\_802.11ac VHT160\_Front Side of laptop\_0mm\_Ch50\_ANT 1\_Sample 1

#### DUT: AX201NGW

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz; Duty Cycle: 1:1.013  
 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.534$  S/m;  $\epsilon_r = 34.356$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5

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(5.42, 5.19, 5.57) @ 5250 MHz; Calibrated: 2023/3/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- Phantom: ELL; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.33 W/kg

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

Reference Value = 16.27 V/m; Power Drift = -0.12 dB

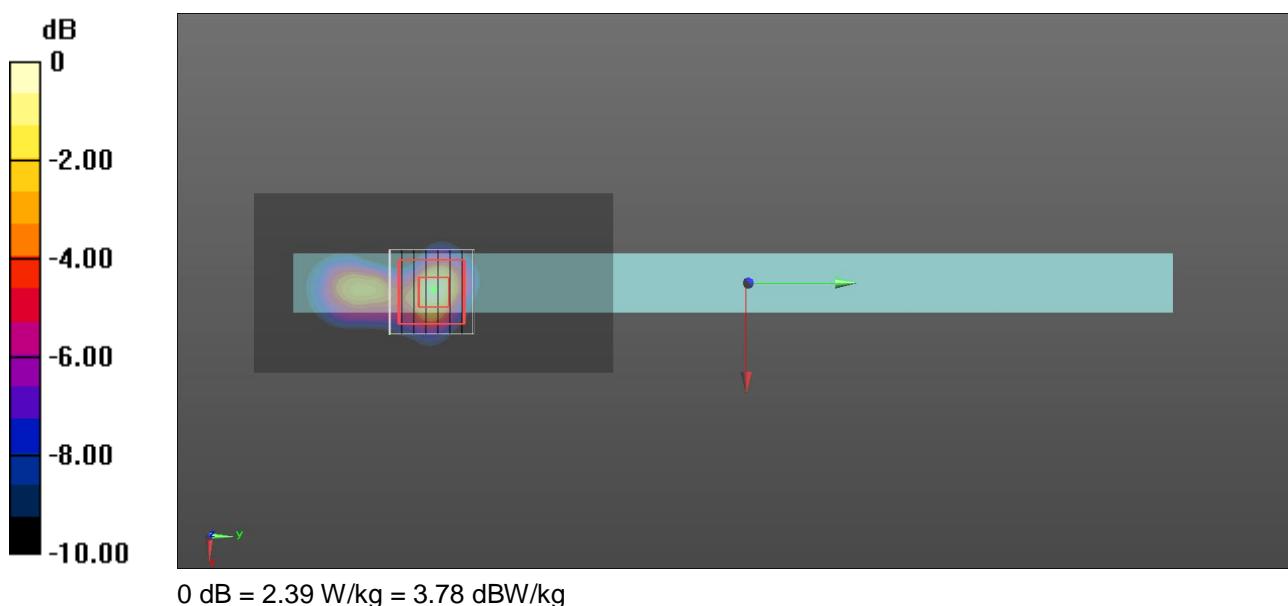
Peak SAR (extrapolated) = 4.01 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.290 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.9 mm

Ratio of SAR at M2 to SAR at M1 = 65.3%

Maximum value of SAR (measured) = 2.39 W/kg



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## 1205\_WLAN 5 GHz\_802.11ac VHT80\_Front Side of laptop\_0mm\_Ch138\_ANT 1\_Sample 1

### DUT: AX201NGW

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5690 MHz; Duty Cycle: 1:1.009  
Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.042$  S/m;  $\epsilon_r = 33.582$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5

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(5.02, 4.74, 5.01) @ 5690 MHz; Calibrated: 2023/3/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- Phantom: ELL; Type: QD OVA 001 BB; Serial: 1036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.38 W/kg

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

Reference Value = 20.60 V/m; Power Drift = -0.18 dB

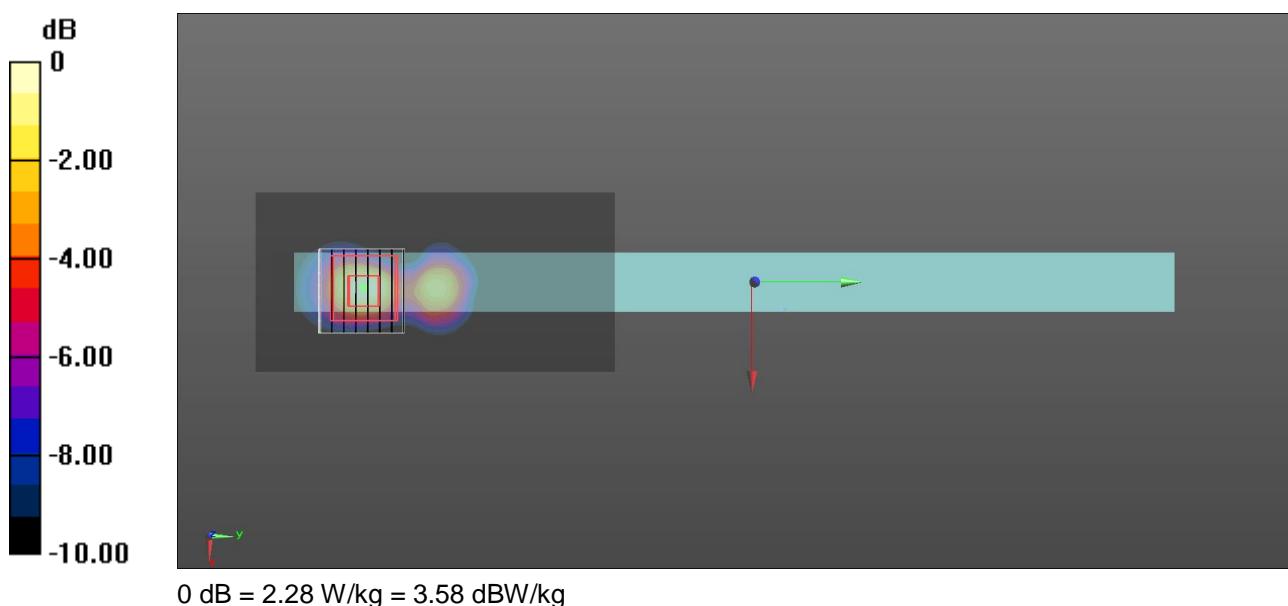
Peak SAR (extrapolated) = 3.90 W/kg

**SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.291 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.2 mm

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

Maximum value of SAR (measured) = 2.28 W/kg



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### 1207\_WLAN 5 GHz\_802.11ac VHT160\_Front Side of laptop\_0mm\_Ch163\_ANT 1\_Sample 1

#### DUT: AX201NGW

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5815 MHz; Duty Cycle: 1:1.013  
Medium parameters used:  $f = 5815$  MHz;  $\sigma = 5.052$  S/m;  $\epsilon_r = 33.588$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5

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(5.02, 4.74, 5.01) @ 5815 MHz; Calibrated: 2023/3/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- 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 (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.55 W/kg

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

Reference Value = 23.29 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.33 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.312 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 62.5%

Maximum value of SAR (measured) = 2.43 W/kg

