

## **Appendix C – Highest Test Plots**

Date: 2024/9/5

**2\_WLAN2.4G\_802.11b\_Horizontal-Down\_5 mm\_Ch11\_ANT 1**

**DUT: AX9U**

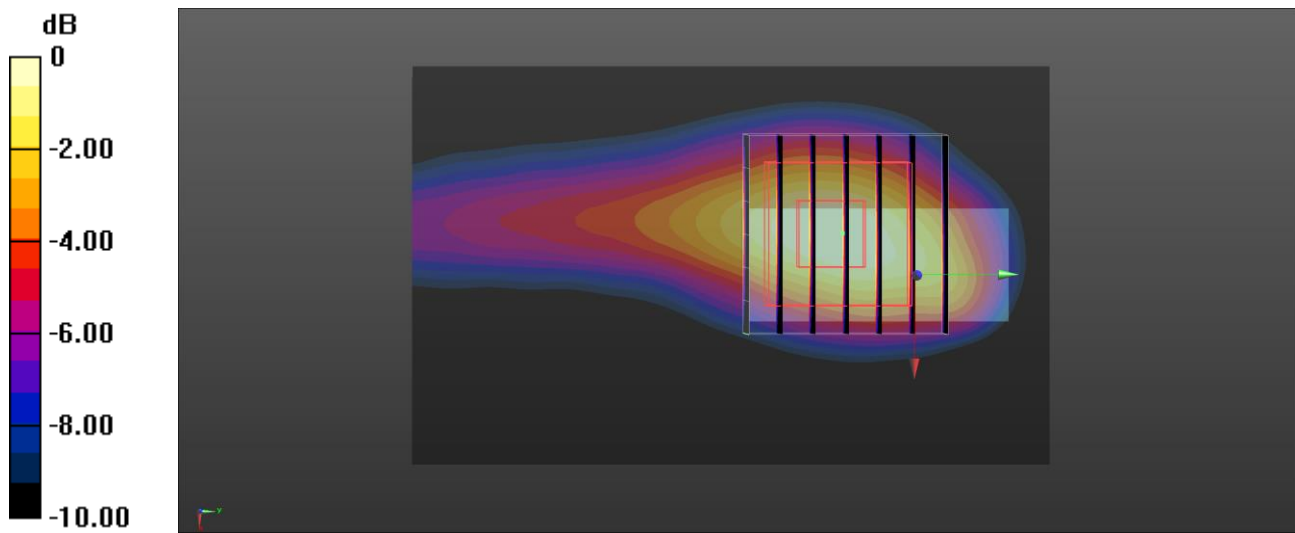
Communication System: UID 0, IEEE 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1.001  
 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.812$  S/m;  $\epsilon_r = 39.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

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 - SN3847; ConvF(7.17, 7.17, 7.17) @ 2462 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- 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) = 1.69 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 31.45 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 1.97 W/kg  
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.526 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 9.8 mm  
 Ratio of SAR at M2 to SAR at M1 = 54.5%  
 Maximum value of SAR (measured) = 1.64 W/kg



0 dB = 1.64 W/kg = 2.15 dBW/kg

Date: 2024/9/5

**10\_WLAN5.3G\_802.11ac VHT80\_Horizontal-Down\_5 mm\_Ch58\_ANT 1**

**DUT: AX9U**

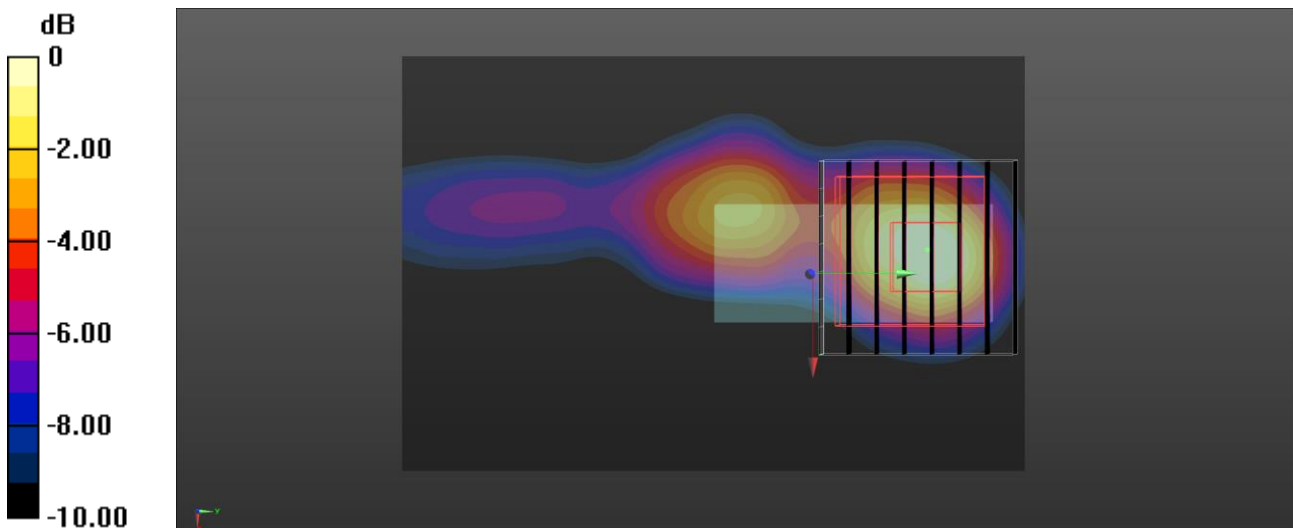
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5290 MHz;Duty Cycle: 1:1.031  
Medium parameters used: f = 5290 MHz;  $\sigma = 4.747$  S/m;  $\epsilon_r = 36.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

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 - SN3847; ConvF(5.35, 5.35, 5.35) @ 5290 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.78 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 14.80 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 4.19 W/kg  
**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.336 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.6 mm  
Ratio of SAR at M2 to SAR at M1 = 63.2%  
Maximum value of SAR (measured) = 2.46 W/kg



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

Date: 2024/9/5

**23\_WLAN5.6G\_802.11ac VHT80\_Horizontal-Down\_5 mm\_Ch106\_ANT 1**

**DUT: AX9U**

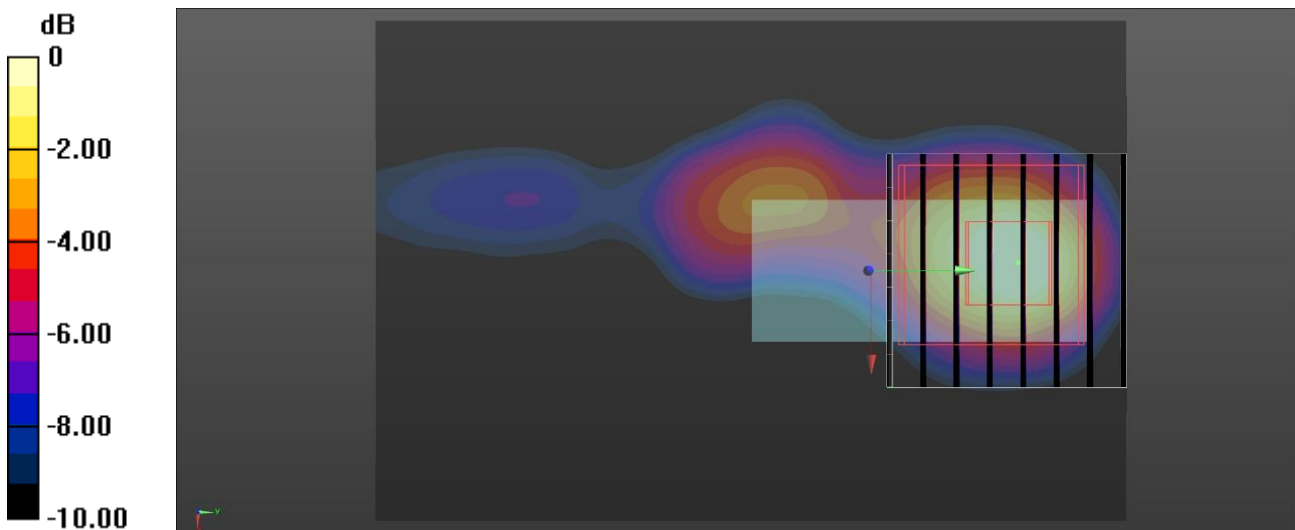
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5530 MHz;Duty Cycle: 1:1.031  
Medium parameters used:  $f = 5530$  MHz;  $\sigma = 4.858$  S/m;  $\epsilon_r = 35.698$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

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 - SN3847; ConvF(4.66, 4.66, 4.66) @ 5530 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.85 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 15.11 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 4.70 W/kg  
**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.341 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.4 mm  
Ratio of SAR at M2 to SAR at M1 = 59.8%  
Maximum value of SAR (measured) = 2.44 W/kg



0 dB = 2.44 W/kg = 3.87 dBW/kg

Date: 2024/9/5

**26\_WLAN5.8G\_802.11ac VHT80\_Horizontal-Down\_5 mm\_Ch155\_ANT 1**

**DUT: AX9U**

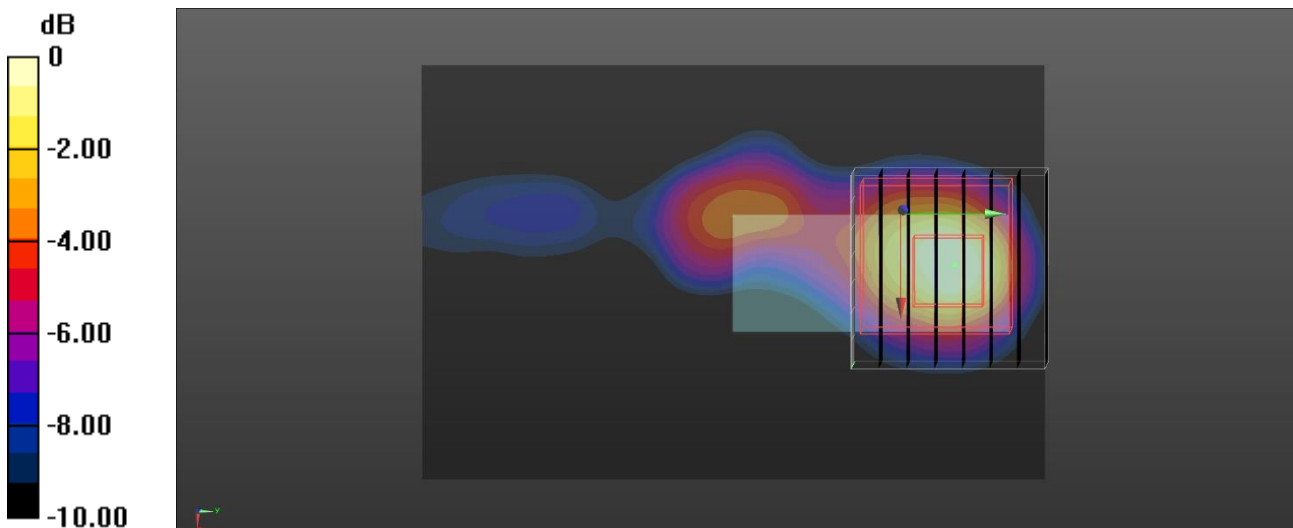
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1.031  
Medium parameters used: f = 5775 MHz;  $\sigma = 5.317$  S/m;  $\epsilon_r = 35.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS

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 - SN3847; ConvF(4.79, 4.79, 4.79) @ 5775 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2024/4/22
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (61x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.71 W/kg

**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 14.60 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 4.85 W/kg  
**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.337 W/kg**  
Smallest distance from peaks to all points 3 dB below = 6.2 mm  
Ratio of SAR at M2 to SAR at M1 = 58.5%  
Maximum value of SAR (measured) = 2.45 W/kg



0 dB = 2.45 W/kg = 3.89 dBW/kg

Date: 2024/10/30

**51\_Bluetooth\_LE Coded PHY(S=8)\_Horizontal-Down\_5 mm\_Ch19\_ANT 1**

**DUT: AX9U**

Communication System: UID 0, Bluetooth (0); Frequency: 2440 MHz;Duty Cycle: 1:1.206  
 Medium parameters used: f = 2440 MHz;  $\sigma = 1.786$  S/m;  $\epsilon_r = 39.714$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS

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(7.73, 7.11, 7.58) @ 2440 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn779; Calibrated: 2024/6/5
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1133
- 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) = 0.0585 W/kg

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

Reference Value = 4.658 V/m; Power Drift = 0.17 dB

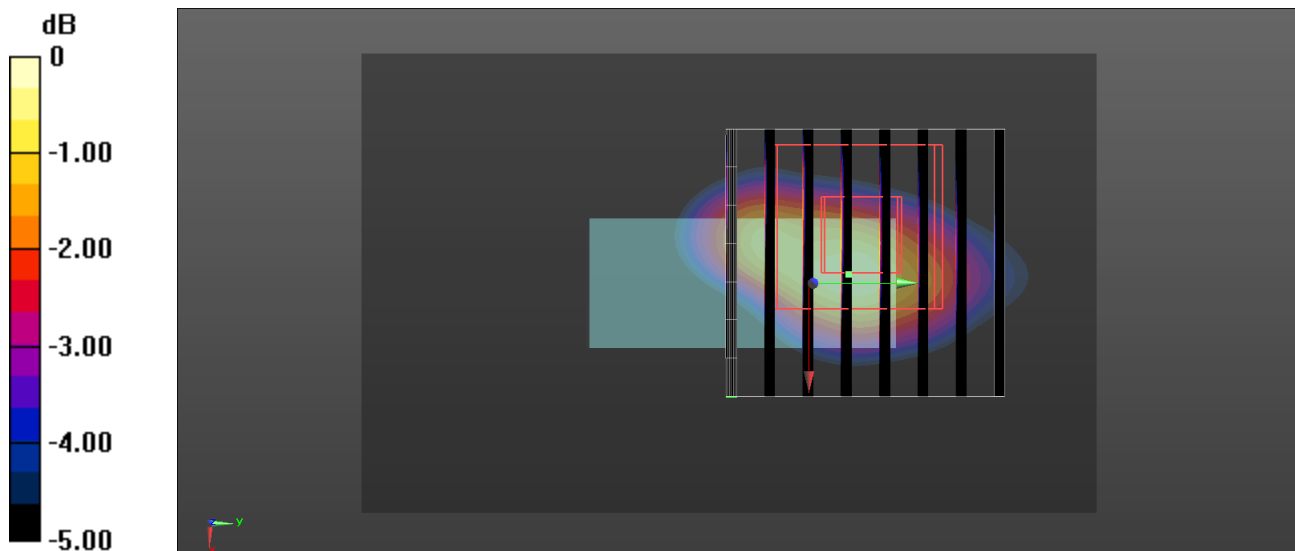
Peak SAR (extrapolated) = 0.0790 W/kg

**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.021 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 17.5 mm)

Ratio of SAR at M2 to SAR at M1 = 52.6%

Maximum value of SAR (measured) = 0.0633 W/kg



0 dB = 0.0633 W/kg = -11.99 dBW/kg