

## *Appendix C - Highest Measurement Plots*

Date: 2024/1/3

**10\_WLAN 5 GHz\_802.11ac VHT160\_Top Side\_0mm\_Ch163\_ANT Main**

**DUT: AX201NGW**

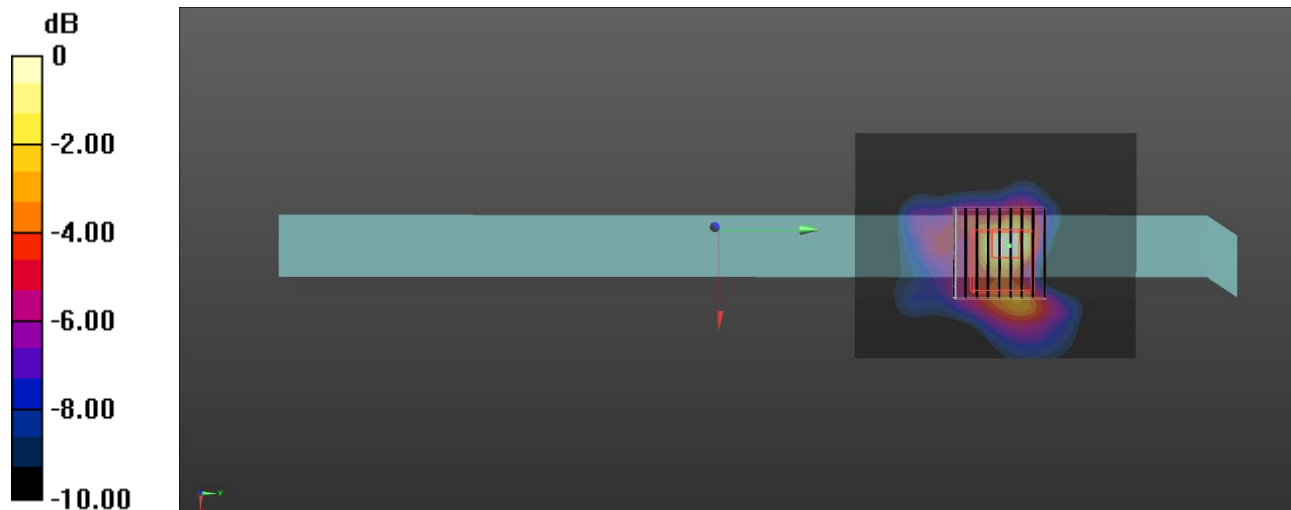
Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5815 MHz;Duty Cycle: 1:1.017  
 Medium parameters used:  $f = 5815$  MHz;  $\sigma = 4.854$  S/m;  $\epsilon_r = 33.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS5

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(4.62, 4.66, 4.53) @ 5815 MHz; Calibrated: 2023/3/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2023/3/22
- 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 (81x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 0.882 W/kg

**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
 Reference Value = 15.30 V/m; Power Drift = 0.06 dB  
 Peak SAR (extrapolated) = 1.64 W/kg  
**SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.104 W/kg**  
 Smallest distance from peaks to all points 3 dB below = 4.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 60.2%  
 Maximum value of SAR (measured) = 0.838 W/kg



0 dB = 0.838 W/kg = -0.77 dBW/kg

Date: 2024/1/4

**11\_WLAN 5 GHz\_802.11ac VHT160\_Top Side\_0mm\_Ch163\_ANT Aux**

**DUT: AX201NGW**

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5815 MHz;Duty Cycle: 1:1.017  
Medium parameters used:  $f = 5815$  MHz;  $\sigma = 4.854$  S/m;  $\epsilon_r = 33.815$ ;  $\rho = 1000$  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(4.62, 4.66, 4.53) @ 5815 MHz; Calibrated: 2023/3/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2023/3/22
- 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 (81x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.618 W/kg

**Zoom Scan (11x10x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 9.256 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 1.20 W/kg  
**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.084 W/kg**  
Smallest distance from peaks to all points 3 dB below = 5.1 mm  
Ratio of SAR at M2 to SAR at M1 = 60%  
Maximum value of SAR (measured) = 0.628 W/kg

