

## **Annex B. SAR Plots of SAR Measurement**

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination are shown as follows.

### P01 WLAN2.4G\_802.11b\_Left Side\_0mm\_Ch1\_Sample AWAN\_TX1+2

**DUT: WTW-P21070913**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0803 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.837$  S/m;  $\epsilon_r = 39.234$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.87, 7.87, 7.87) @ 2412 MHz; Calibrated: 2021/01/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- Phantom: ELI Phantom\_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x221x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.336 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.56 V/m; Power Drift = -0.10 dB

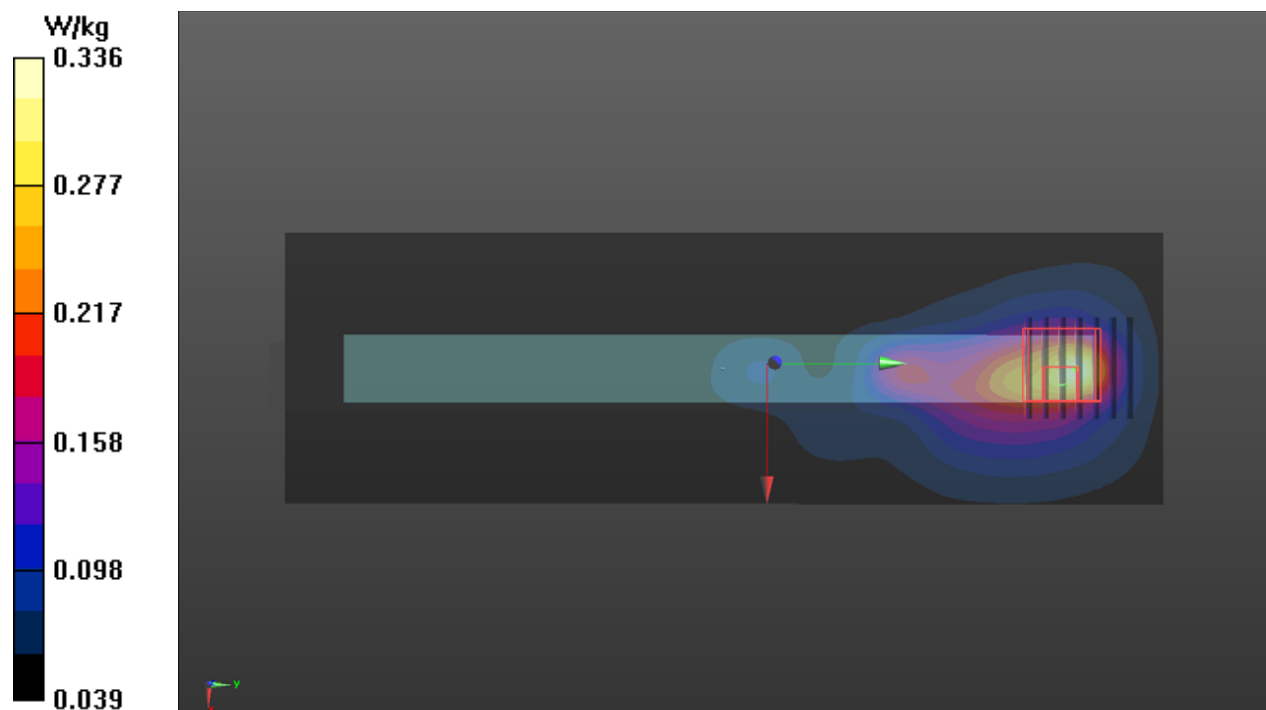
Peak SAR (extrapolated) = 0.978 W/kg

**SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.135 W/kg** (SAR corrected for target medium)

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

Ratio of SAR at M2 to SAR at M1 = 30.7%

Maximum value of SAR (measured) = 0.661 W/kg



## P02 WLAN5.3G\_802.11ac VHT80\_Left Side\_0mm\_Ch58\_Sample HB\_TX1+2

**DUT: WTW-P21070913**

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0804 Medium parameters used (interpolated):  $f = 5290$  MHz;  $\sigma = 4.553$  S/m;  $\epsilon_r = 37.049$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.71, 4.71, 4.71) @ 5290 MHz; Calibrated: 2020/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI Phantom\_1043; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (81x261x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.763 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.25 V/m; Power Drift = -0.04 dB

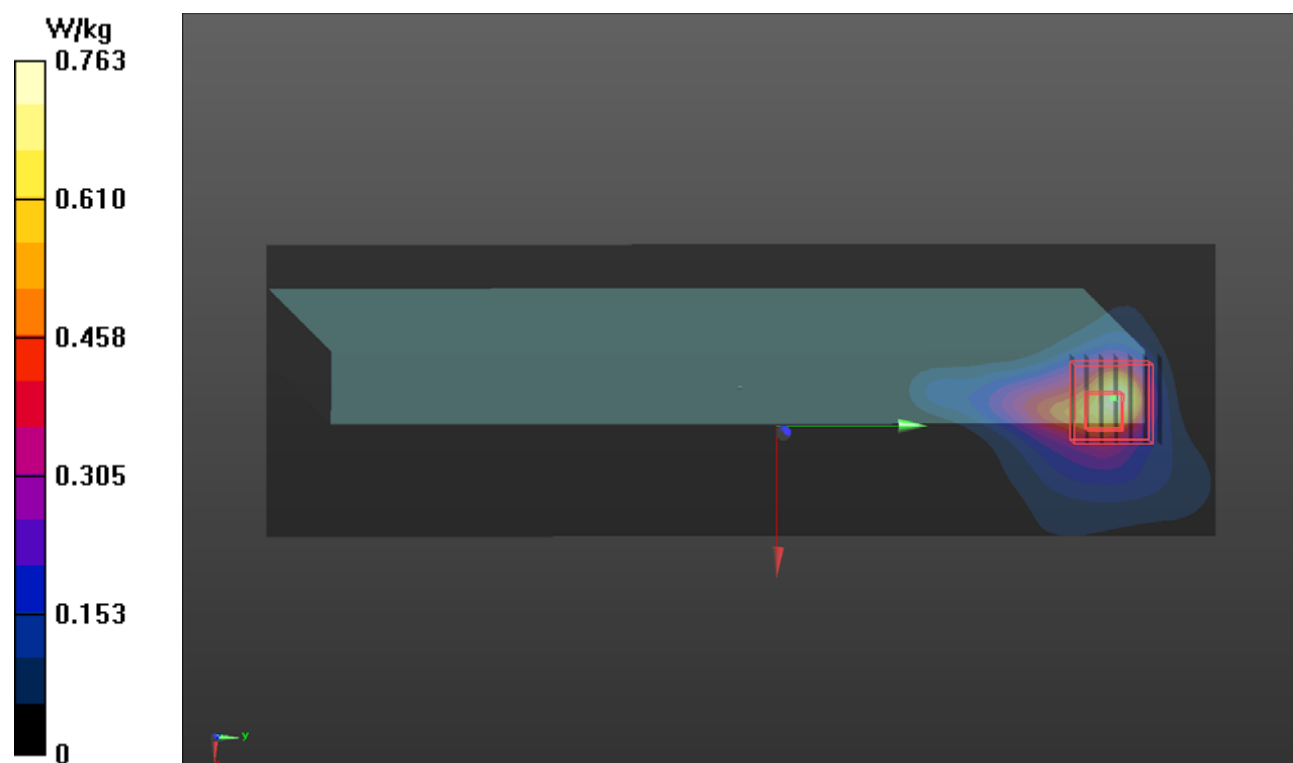
Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.093 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 56.3%

Maximum value of SAR (measured) = 0.832 W/kg



### P03 WLAN5.6G\_802.11ac VHT80\_Left Side\_0mm\_Ch138\_Sample HB\_TX1+2

**DUT: WTW-P21070913**

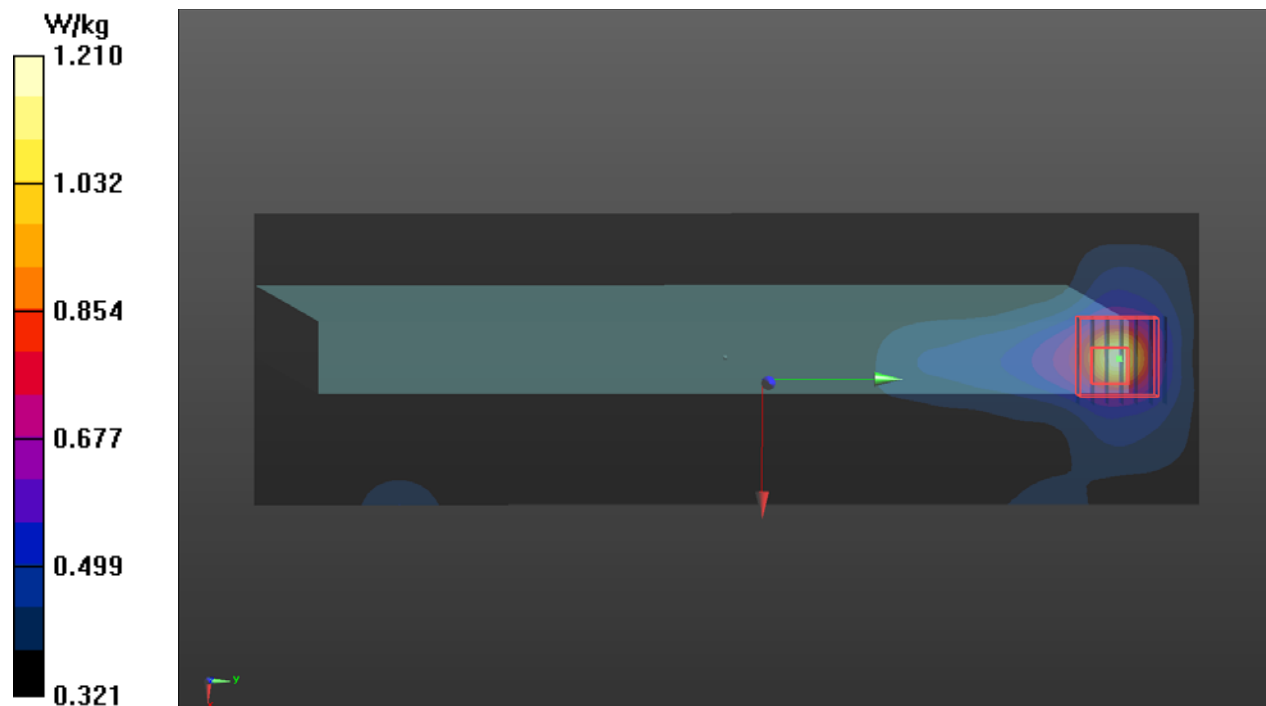
Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5690 MHz; Duty Cycle: 1:1  
Medium: H34T60N1\_0803 Medium parameters used (interpolated):  $f = 5690$  MHz;  $\sigma = 5.191$  S/m;  $\epsilon_r = 36.366$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.95, 4.95, 4.95) @ 5690 MHz; Calibrated: 2021/01/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- Phantom: ELI Phantom\_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (81x261x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.21 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 16.47 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 2.90 W/kg  
**SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.473 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below = 6.2 mm  
Ratio of SAR at M2 to SAR at M1 = 68.4%  
Maximum value of SAR (measured) = 1.21 W/kg



### P04 WLAN5.8G\_802.11ac VHT80\_Left Side\_0mm\_Ch155\_Sample AWAN\_TX1+2

#### DUT: WTW-P21070913

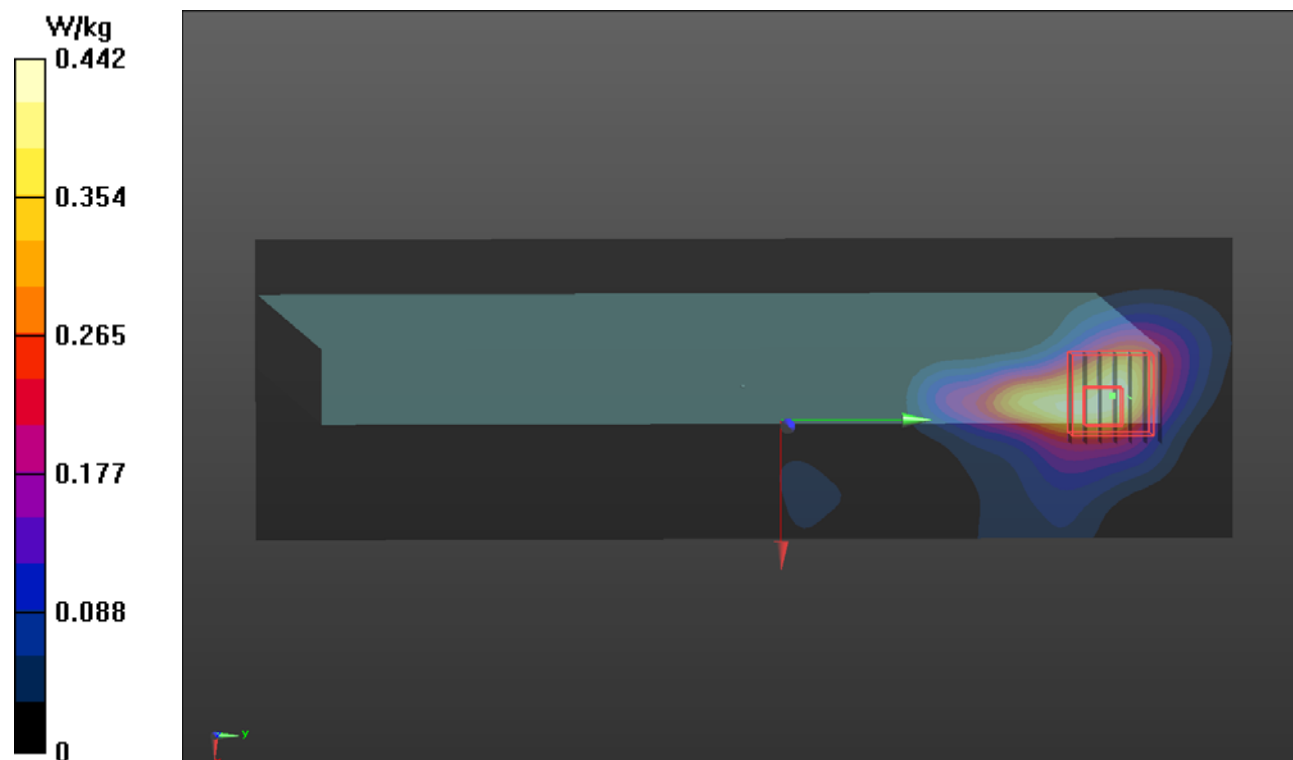
Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5775 MHz; Duty Cycle: 1:1  
Medium: H34T60N1\_0804 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.042$  S/m;  $\epsilon_r = 36.418$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.5 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.36, 4.36, 4.36) @ 5775 MHz; Calibrated: 2020/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI Phantom\_1043; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (81x261x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.442 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 9.511 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.46 W/kg  
**SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.071 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below = 6.6 mm  
Ratio of SAR at M2 to SAR at M1 = 50.9%  
Maximum value of SAR (measured) = 0.706 W/kg



### P05 BT\_BDR\_Rear Face\_0mm\_Ch39\_Sample HB\_TX1

**DUT: WTW-P21070913**

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441 MHz; Duty Cycle: 1:1  
Medium: H19T27N1\_0806 Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.843$  S/m;  $\epsilon_r = 38.675$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.89, 7.89, 7.89) @ 2441 MHz; Calibrated: 2021/06/03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2021/06/02
- Phantom: ELI Phantom\_1206; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (71x301x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.00661 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 1.820 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.00955 W/kg  
**SAR(1 g) = 0.00409 W/kg; SAR(10 g) = 0.00144 W/kg** (SAR corrected for target medium)  
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
Ratio of SAR at M2 to SAR at M1 = 44.7%  
Maximum value of SAR (measured) = 0.00734 W/kg

