

**#01\_WLAN2.4GHz\_802.11b 1Mbps\_Right neck\_0mm\_Ch1;Ant 1**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1.004

Medium: HSL\_2450\_190214 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.77$  S/m;  $\epsilon_r = 39.448$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3170; ConvF(4.63, 4.63, 4.63) ; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Front; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.380 W/kg

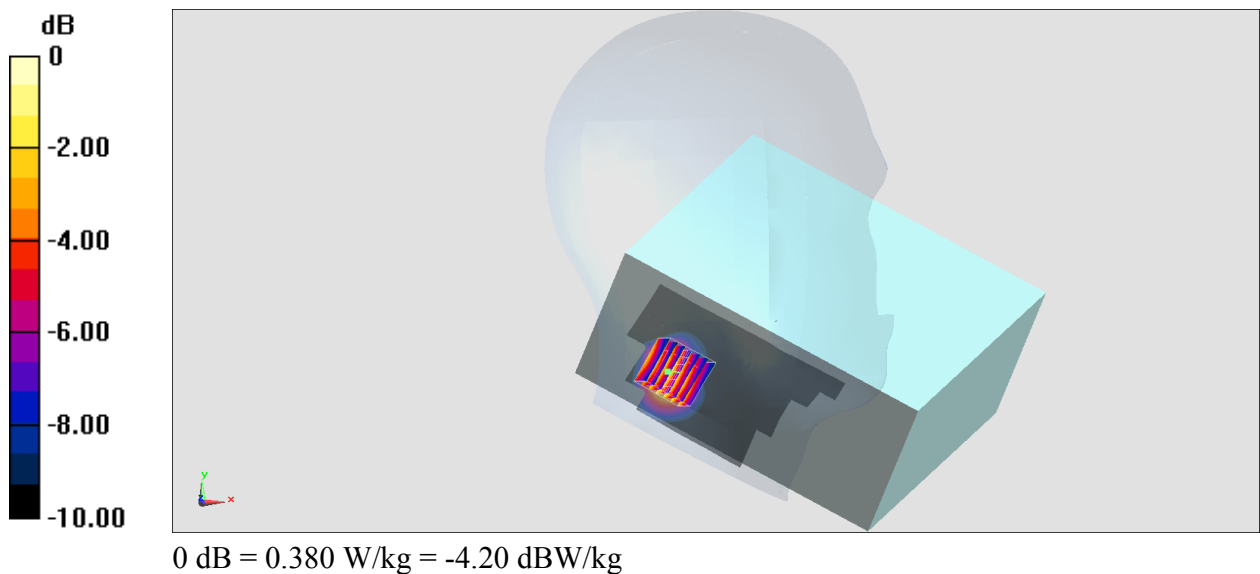
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.98 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.626 W/kg

**SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.150 W/kg**

Maximum value of SAR (measured) = 0.415 W/kg



**#02\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right neck\_0mm\_Ch58;Ant 1**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.078

Medium: HSL\_5G\_190214 Medium parameters used :  $f = 5290$  MHz;  $\sigma = 4.636$  S/m;  $\epsilon_r = 36.761$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(4.52, 4.52, 4.52) ; Calibrated: 2018/4/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.26 W/kg

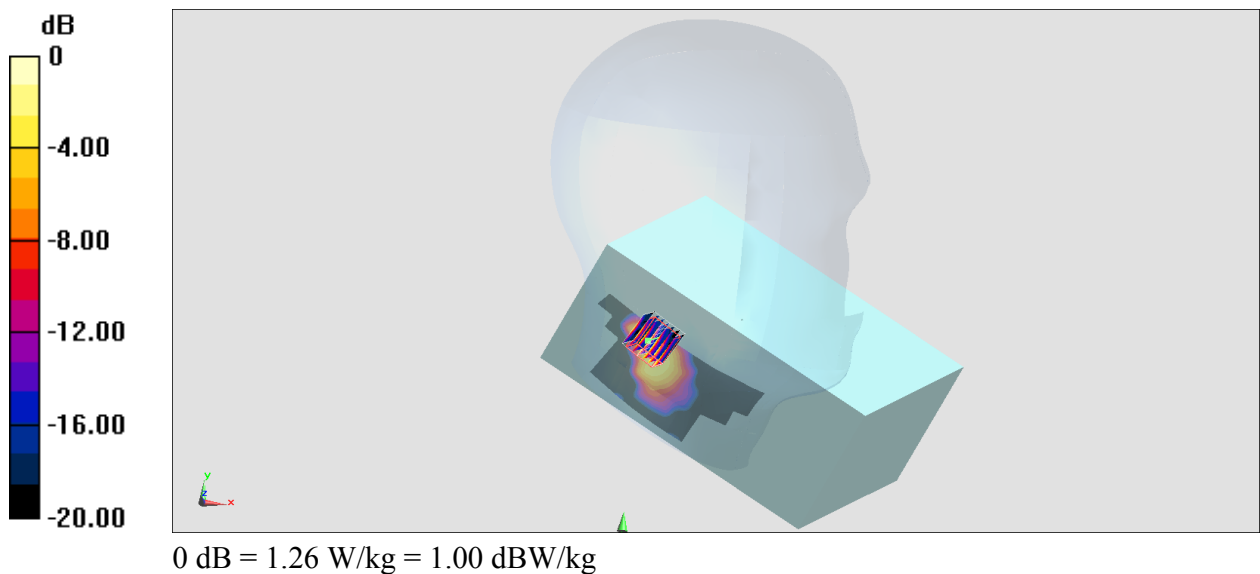
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 13.39 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.178 W/kg**

Maximum value of SAR (measured) = 1.15 W/kg



**#03\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right neck\_0mm\_Ch138;Ant 1**

Communication System: 802.11ac; Frequency: 5690 MHz; Duty Cycle: 1:1.078

Medium: HSL\_5G\_190214 Medium parameters used :  $f = 5690$  MHz;  $\sigma = 5.051$  S/m;  $\epsilon_r = 36.26$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2018/4/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.10 W/kg

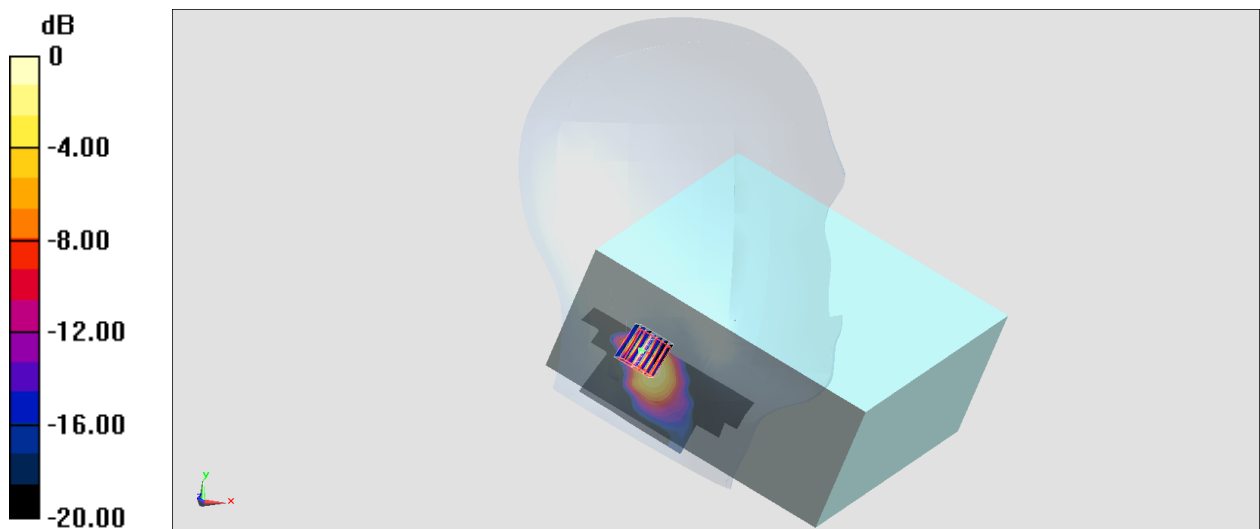
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 9.761 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 10.2 W/kg

**SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.135 W/kg**

Maximum value of SAR (measured) = 0.986 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

**#04\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right neck\_0mm\_Ch155;Ant 1**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.078

Medium: HSL\_5G\_190214 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.142$  S/m;  $\epsilon_r = 36.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2018/4/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.41 W/kg

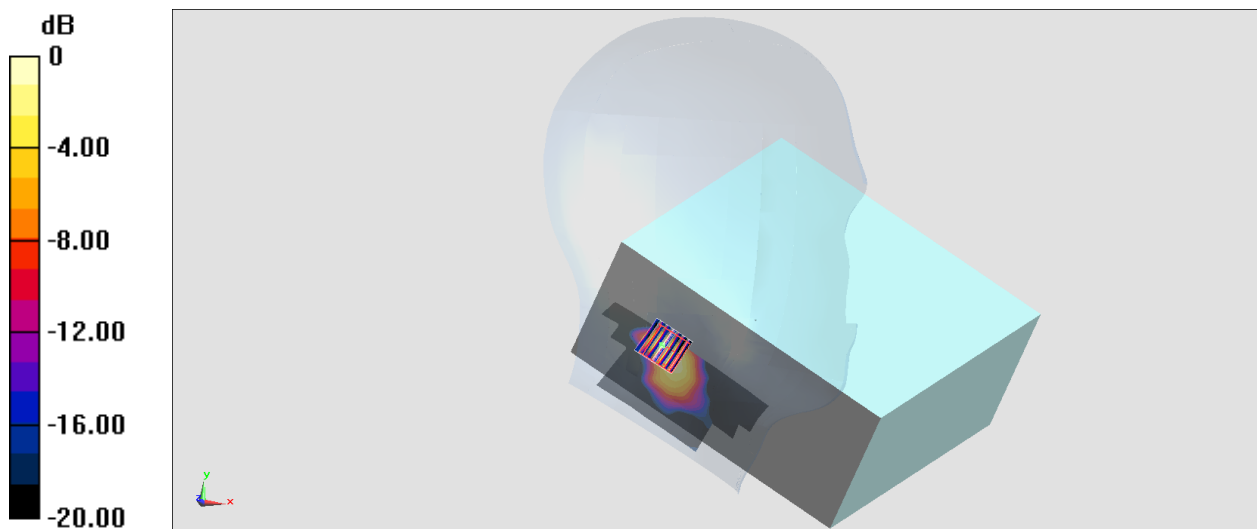
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.917 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

**#05\_Bluetooth\_1Mbps\_Right neck\_0mm\_Ch39;Ant 1**

Communication System: Bluetooth ; Frequency: 2441 MHz;Duty Cycle: 1:1.301

Medium: HSL\_2450\_190214 Medium parameters used :  $f = 2441$  MHz;  $\sigma = 1.8$  S/m;  $\epsilon_r = 39.335$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.6, 4.6, 4.6) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Front; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.0245 W/kg

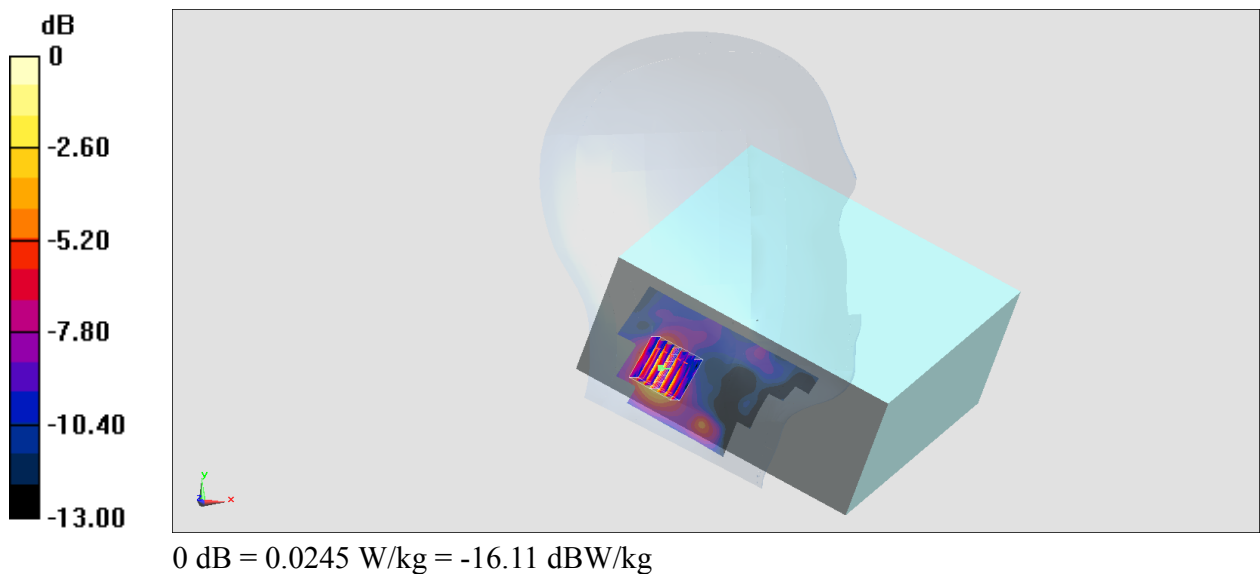
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.481 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00974 W/kg**

Maximum value of SAR (measured) = 0.0244 W/kg



**#06\_WLAN2.4GHz\_802.11b 1Mbps\_Right side\_0mm\_Ch6;Ant 1**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1.004

Medium: MSL\_2450\_190215 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.956$  S/m;  $\epsilon_r = 54.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.36, 4.36, 4.36) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Front; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.397 W/kg

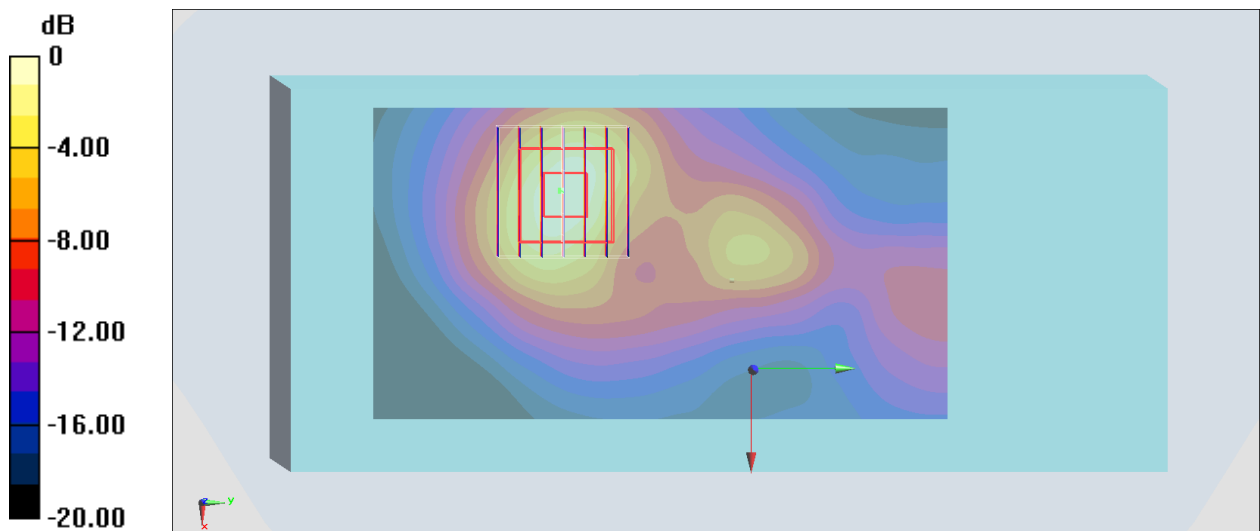
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.16 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.604 W/kg

**SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.143 W/kg**

Maximum value of SAR (measured) = 0.390 W/kg



0 dB = 0.397 W/kg = -4.01 dBW/kg

**#07\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Left side\_0mm\_Ch58;Ant 2**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.078

Medium: MSL\_5G\_190215 Medium parameters used :  $f = 5290$  MHz;  $\sigma = 5.26$  S/m;  $\epsilon_r = 48.712$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(3.87, 3.87, 3.87) ; Calibrated: 2018/4/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Front; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

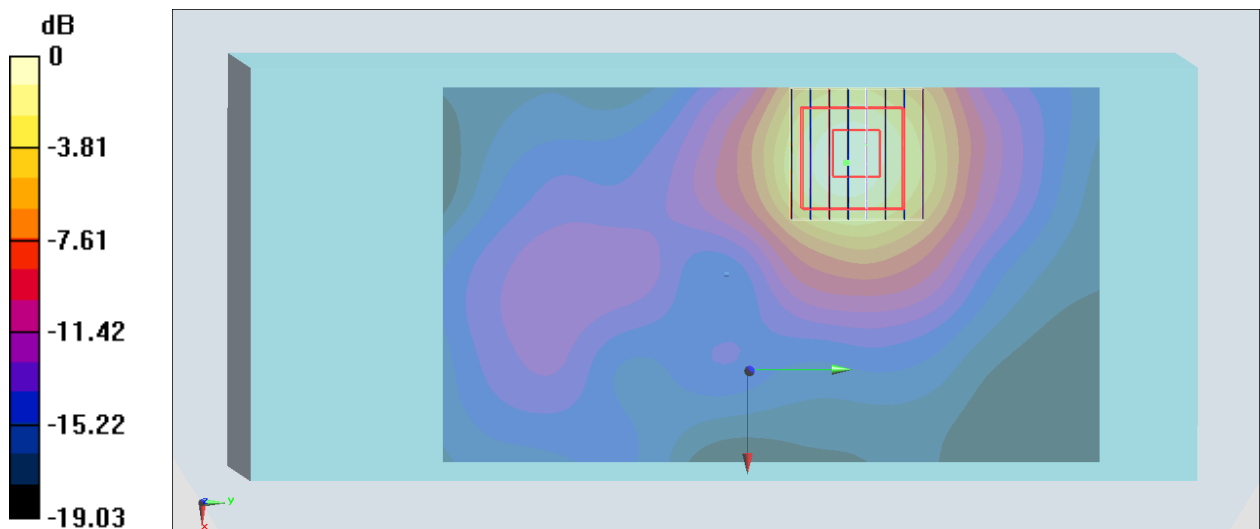
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.04 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.06 W/kg = 0.25 dBW/kg

**#08\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Left side\_0mm\_Ch106;Ant 2**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.078

Medium: MSL\_5G\_190215 Medium parameters used :  $f = 5530$  MHz;  $\sigma = 5.576$  S/m;  $\epsilon_r = 48.512$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(3.38, 3.38, 3.38) ; Calibrated: 2018/4/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Front; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.978 W/kg

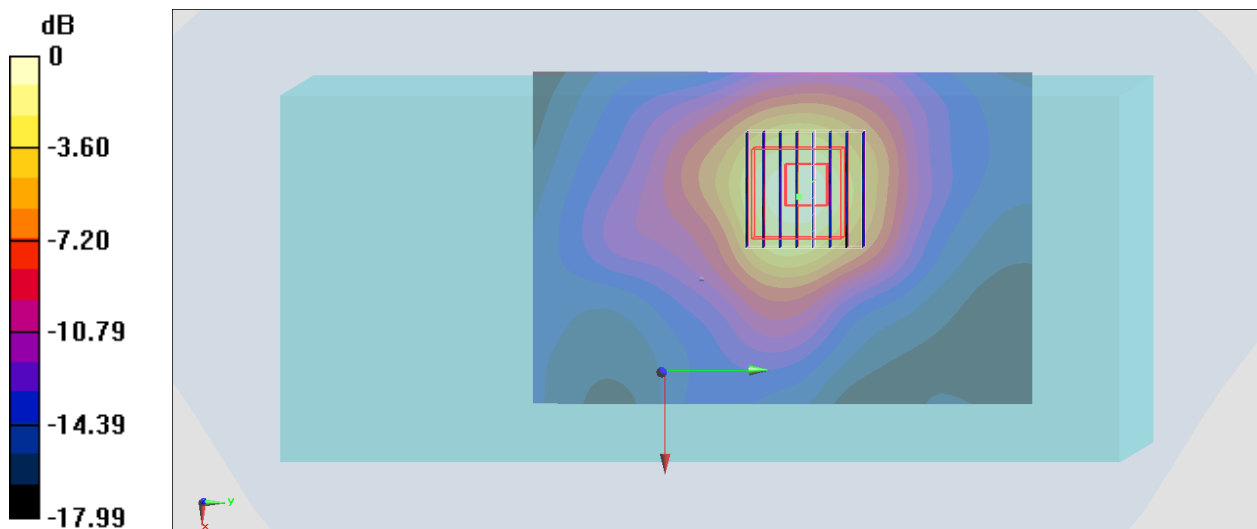
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 13.31 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 0.978 W/kg = -0.10 dBW/kg

**#09\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Left side\_0mm\_Ch155;Ant 2**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.078

Medium: MSL\_5G\_190215 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.899$  S/m;  $\epsilon_r = 48.077$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(3.73, 3.73, 3.73) ; Calibrated: 2018/4/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Front; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.774 W/kg

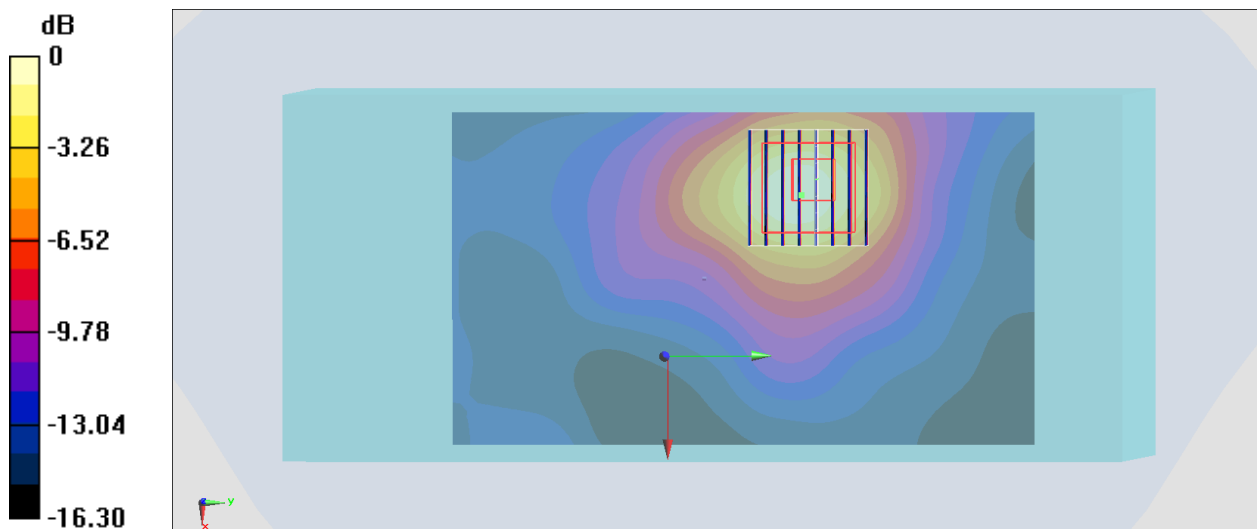
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.20 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.71 W/kg

**SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.171 W/kg**

Maximum value of SAR (measured) = 0.985 W/kg



0 dB = 0.774 W/kg = -1.11 dBW/kg

**#10\_Bluetooth\_1Mbps\_Right side\_0mm\_Ch39;Ant 1**

Communication System: Bluetooth ; Frequency: 2441 MHz;Duty Cycle: 1:1.301

Medium: MSL\_2450\_190215 Medium parameters used :  $f = 2441$  MHz;  $\sigma = 1.962$  S/m;  $\epsilon_r = 54.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.36, 4.36, 4.36) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Front; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0306 W/kg

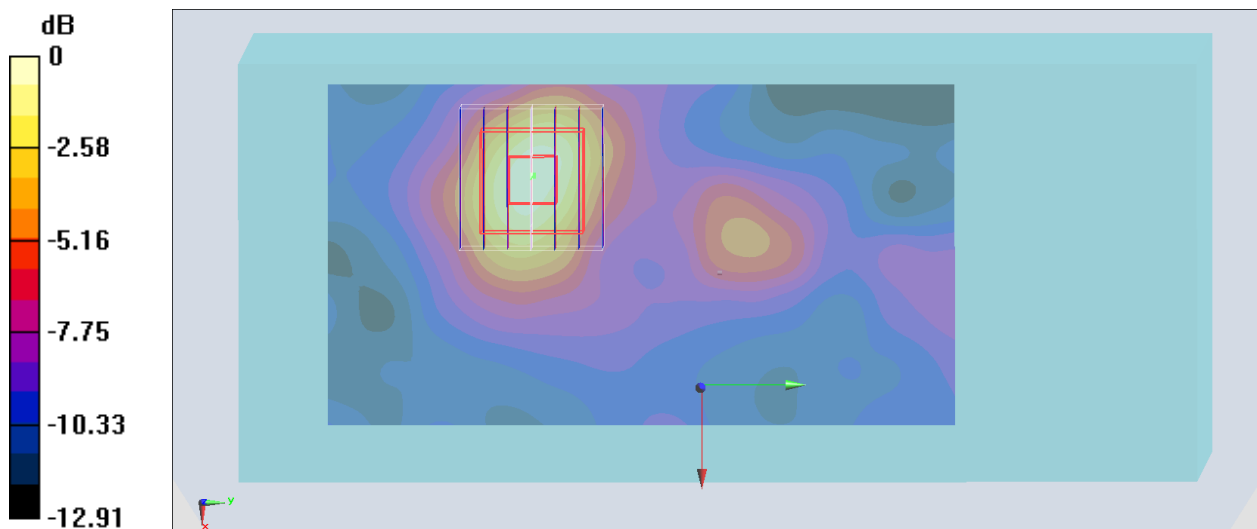
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.018 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0440 W/kg

**SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.012 W/kg**

Maximum value of SAR (measured) = 0.0285 W/kg



0 dB = 0.0306 W/kg = -15.14 dBW/kg