

**#01\_WLAN2.4GHz\_802.11b 1Mbps\_Inner Surface\_Ch11;Chain 0**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.006

Medium: HSL\_2450\_181101 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.764$  S/m;  $\epsilon_r = 39.909$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.69, 4.69, 4.69) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0090 W/kg

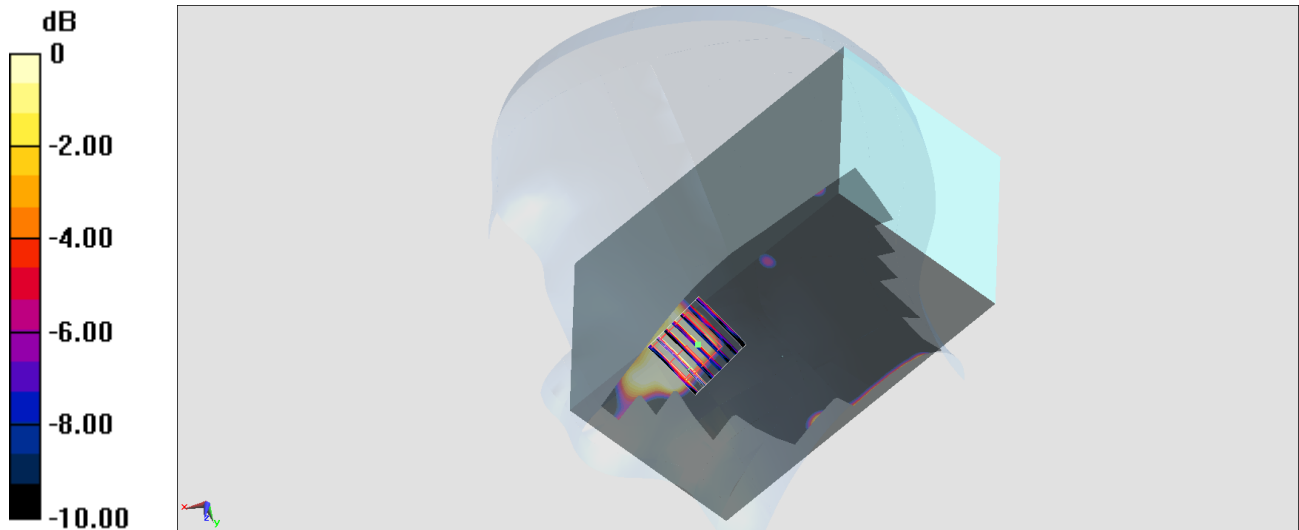
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.226 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0085 W/kg

**SAR(1 g) = 0.00035 W/kg; SAR(10 g) = 0.00013 W/kg**

Maximum value of SAR (measured) = 0.00797 W/kg



0 dB = 0.00797 W/kg = -20.99 dBW/kg

## #02\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Inner Surface\_Ch138;Chain 0

Communication System: 802.11ac; Frequency: 5690 MHz; Duty Cycle: 1:1.153

Medium: HSL\_5G\_181030 Medium parameters used :  $f = 5690$  MHz;  $\sigma = 5.102$  S/m;  $\epsilon_r = 35.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.04, 5.04, 5.04) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (141x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0667 W/kg

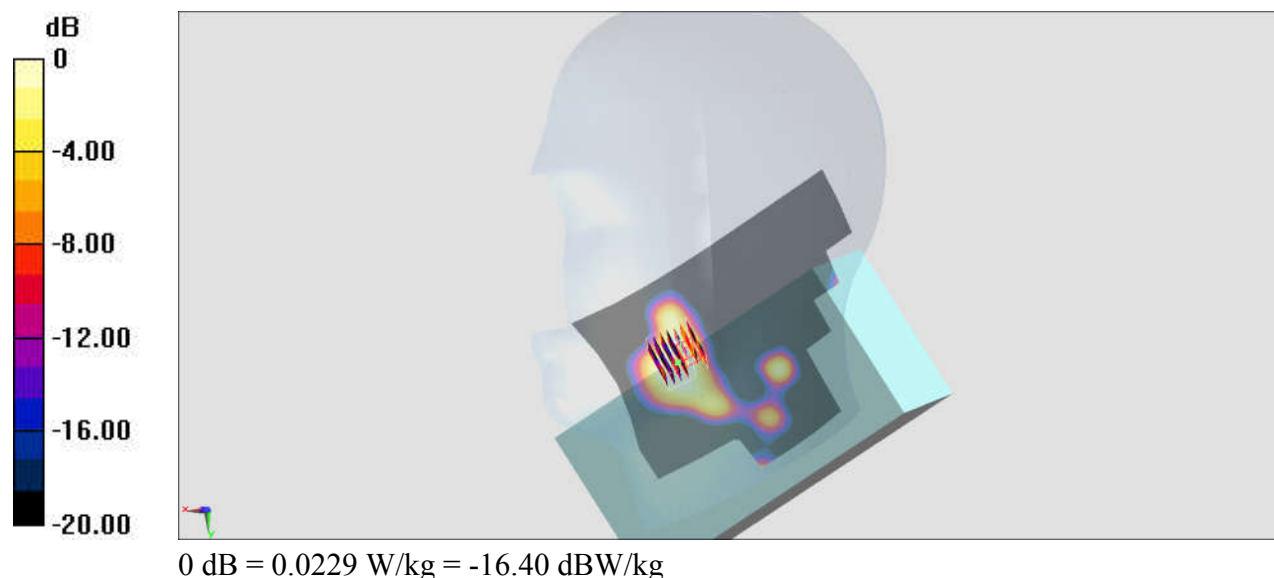
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.305 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.00837 W/kg; SAR(10 g) = n.a.**

Maximum value of SAR (measured) = 0.0229 W/kg



### #03\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Inner Surface\_Ch155;Chain 0

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.153

Medium: HSL\_5G\_181030 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.199$  S/m;  $\epsilon_r = 35.331$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.04, 5.04, 5.04) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (141x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0118 W/kg

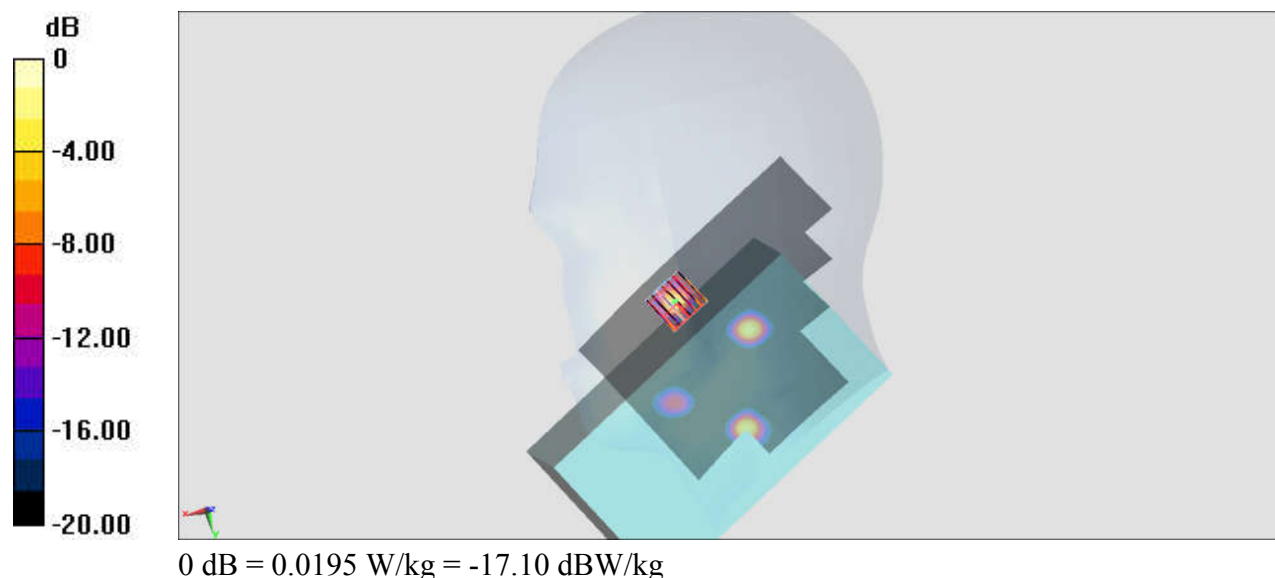
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.482 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0730 W/kg

**SAR(1 g) = 0.00577 W/kg; SAR(10 g) = 0.00155 W/kg**

Maximum value of SAR (measured) = 0.0195 W/kg



**#04\_Bluetooth\_1Mbps\_Inner Surface\_Ch0;Chain 0**

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.2

Medium: HSL\_2450\_181101 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.699$  S/m;  $\epsilon_r = 40.111$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.69, 4.69, 4.69) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0011 W/kg

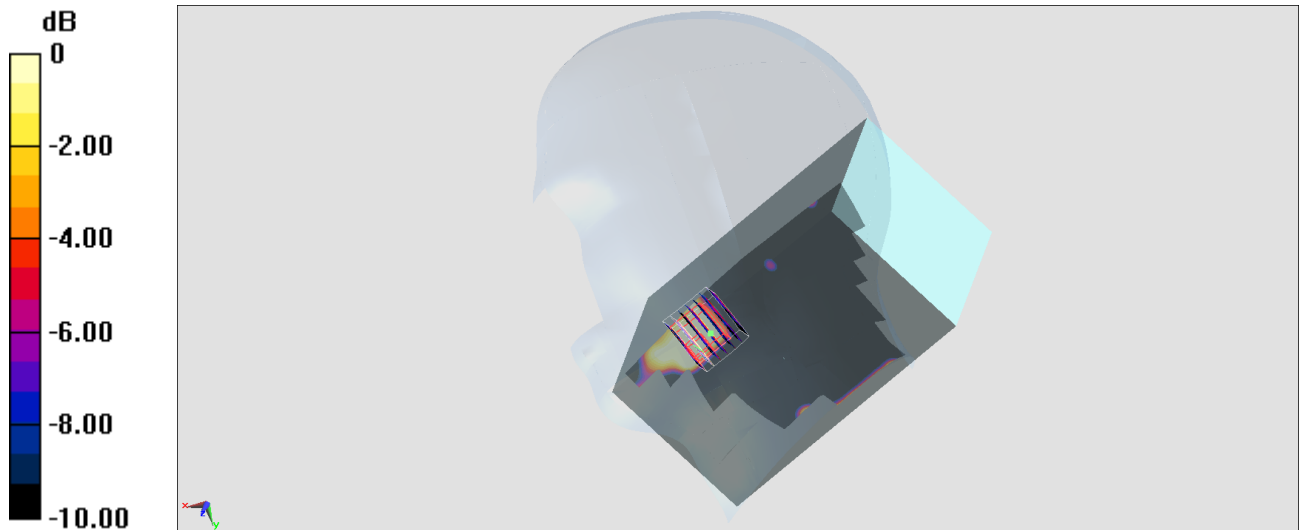
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.057 V/m; Power Drift = 0 dB

Peak SAR (extrapolated) = 0.0010 W/kg

**SAR(1 g) = 0.00009 W/kg; SAR(10 g) = 0 W/kg**

Maximum value of SAR (measured) = 0.00254 W/kg



0 dB = 0.00254 W/kg = -35.23 dBW/kg

**#05\_WLAN2.4GHz\_802.11b 1Mbps\_Right Side\_0mm\_Ch6;Chain 0**

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1.006

Medium: MSL\_2450\_181029 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 2.02$  S/m;  $\epsilon_r = 53.437$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.8, 7.8, 7.8) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.62 W/kg

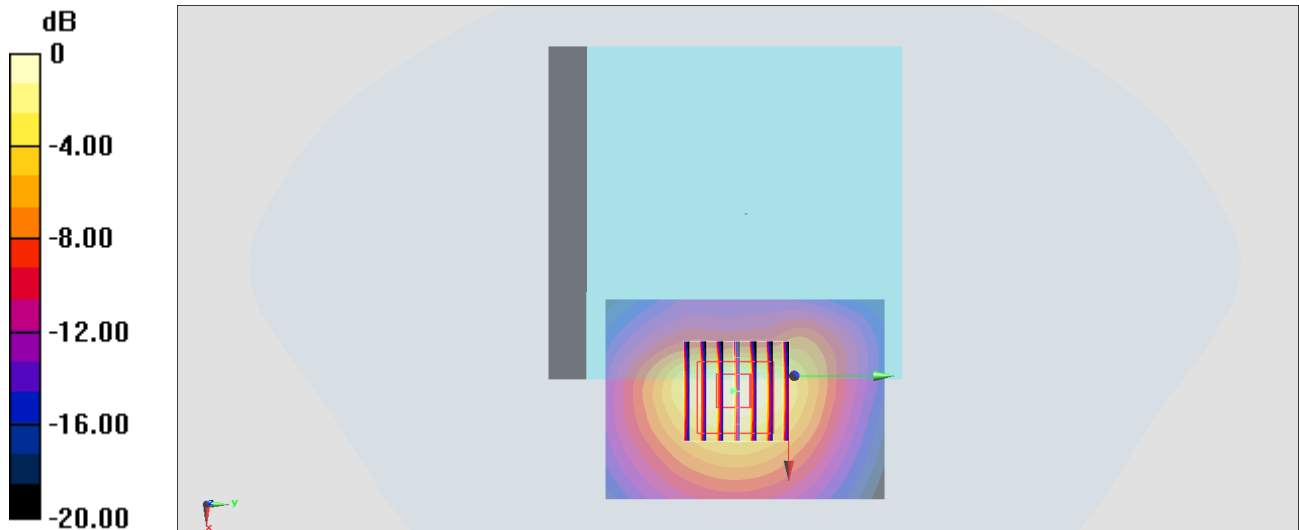
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.20 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.64 W/kg

**SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.425 W/kg**

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

**#06\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Left Side\_0mm\_Ch58;Chain 1**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.153

Medium: MSL\_5G\_181028 Medium parameters used :  $f = 5290$  MHz;  $\sigma = 5.229$  S/m;  $\epsilon_r = 50.104$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.92, 4.92, 4.92) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.487 W/kg

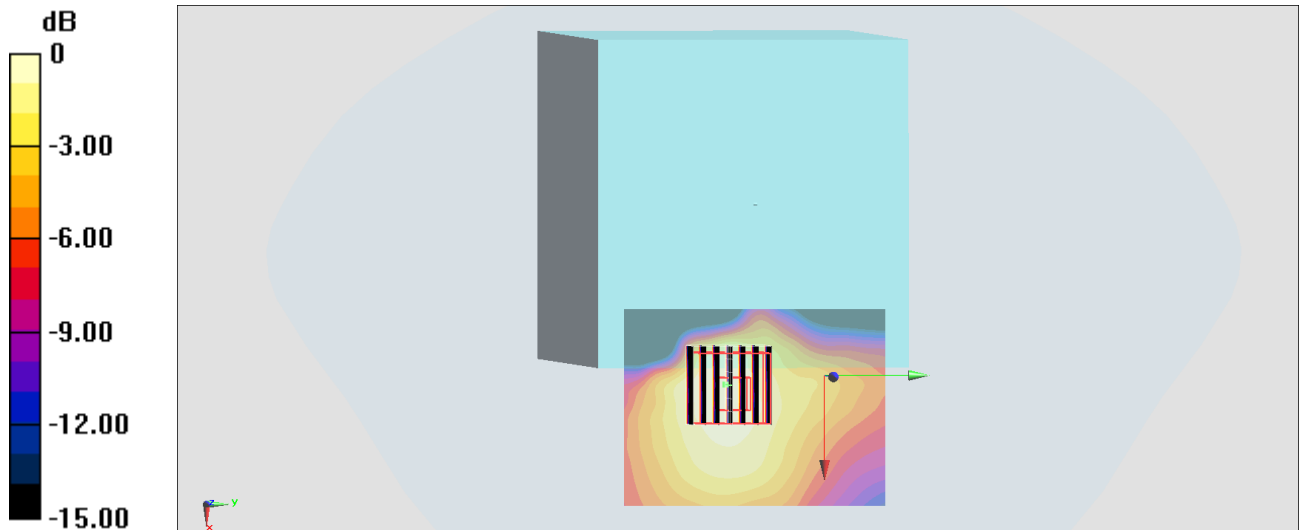
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.326 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.841 W/kg

**SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.083 W/kg**

Maximum value of SAR (measured) = 0.451 W/kg



0 dB = 0.451 W/kg = -3.46 dBW/kg

**#07\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Side\_0mm\_Ch122;Chain 0**

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.153

Medium: MSL\_5G\_181028 Medium parameters used :  $f = 5610$  MHz;  $\sigma = 5.666$  S/m;  $\epsilon_r = 49.577$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.28, 4.28, 4.28) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

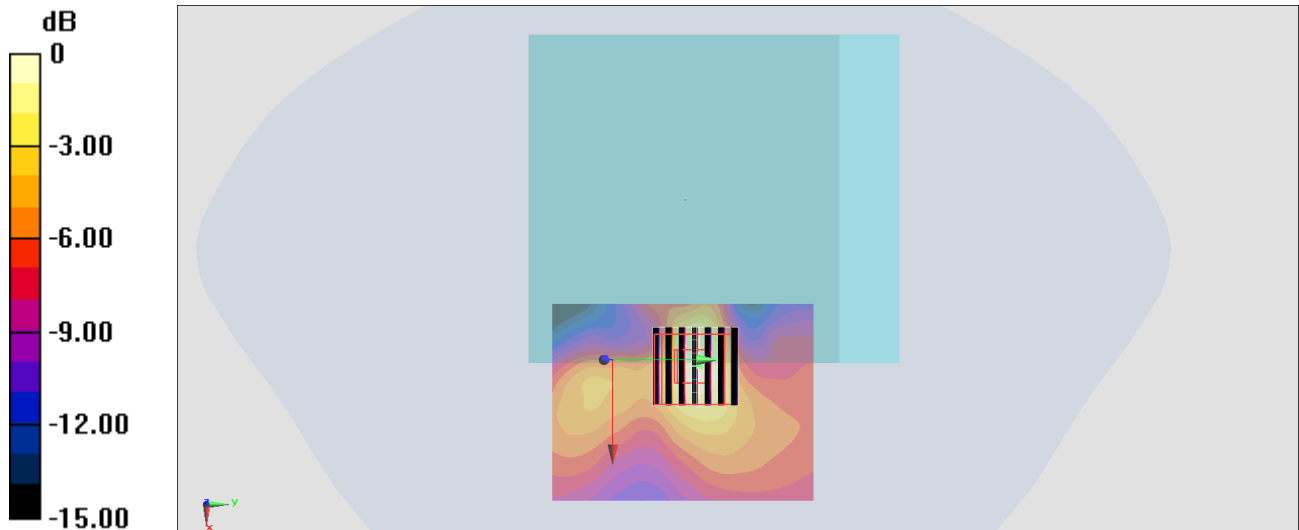
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.46 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.25 W/kg

**SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.180 W/kg**

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg

## #08\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Side\_0mm\_Ch155;Chain 0

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.153

Medium: MSL\_5G\_181028 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.903$  S/m;  $\epsilon_r = 49.317$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.46, 4.46, 4.46) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

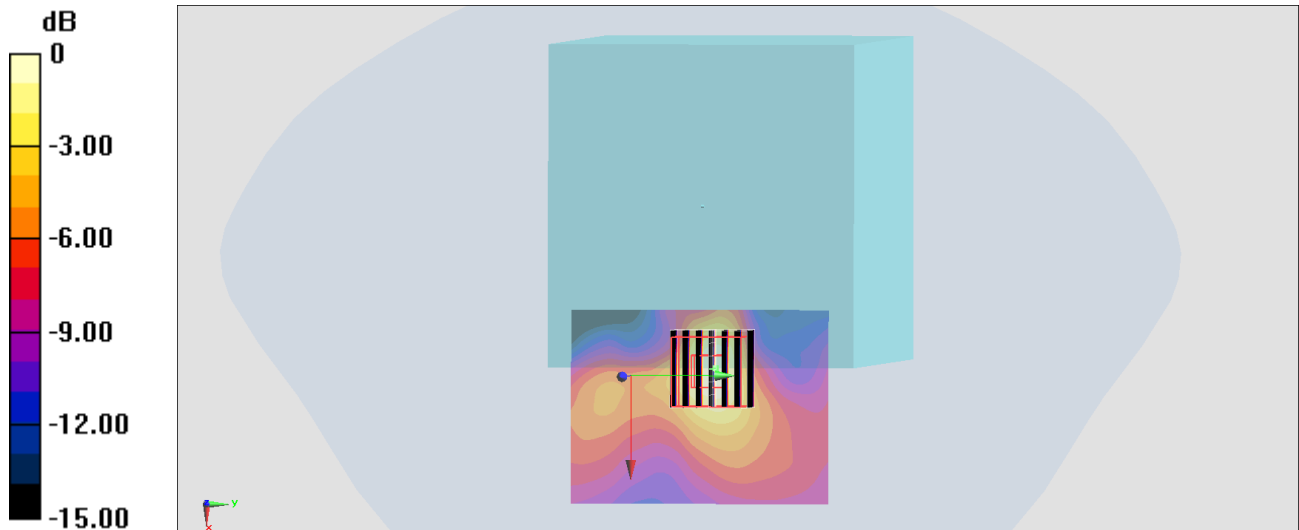
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.34 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.27 W/kg

**SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.177 W/kg**

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg



### #09\_Bluetooth\_1Mbps\_Right Side\_0mm\_Ch39;Chain 0

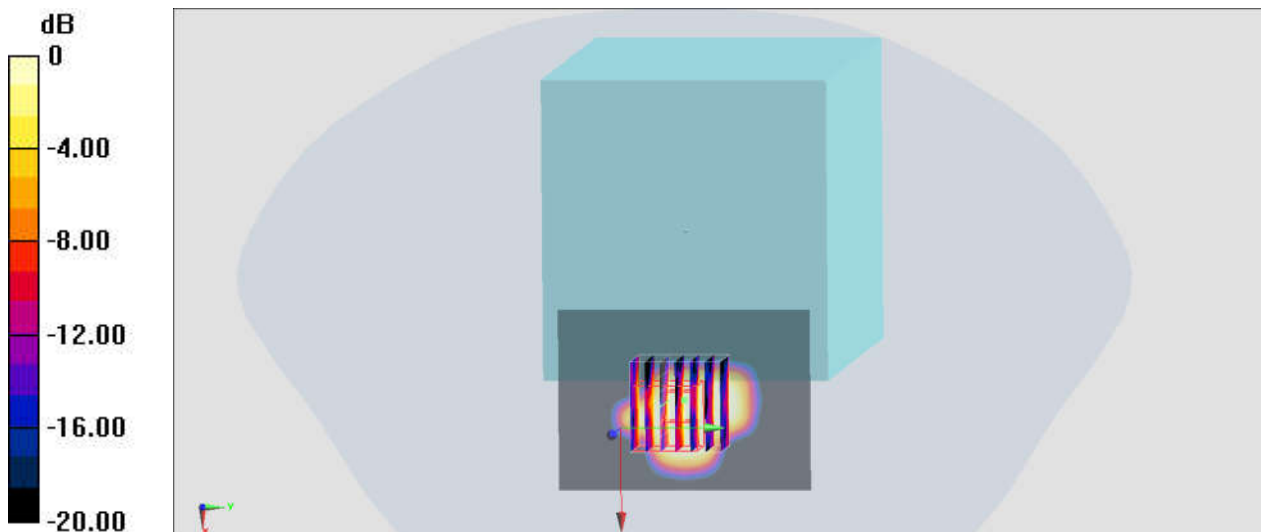
Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.2  
Medium: MSL\_2450\_181113 Medium parameters used :  $f = 2441$  MHz;  $\sigma = 1.939$  S/m;  $\epsilon_r = 52.132$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.4, 4.4, 4.4) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.0428 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.001 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.0360 W/kg  
**SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00422 W/kg**  
Maximum value of SAR (measured) = 0.0161 W/kg



0 dB = 0.0161 W/kg = -17.93 dBW/kg