

**#01\_WLAN2.4GHz\_802.11b 1Mbps\_Front\_0mm\_Ch10;Ant 2;Holster**

Communication System: 802.11b; Frequency: 2457 MHz; Duty Cycle: 1:1.010

Medium: MSL\_2450\_180830 Medium parameters used:  $f = 2457$  MHz;  $\sigma = 2.01$  S/m;  $\epsilon_r = 52.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.594 W/kg

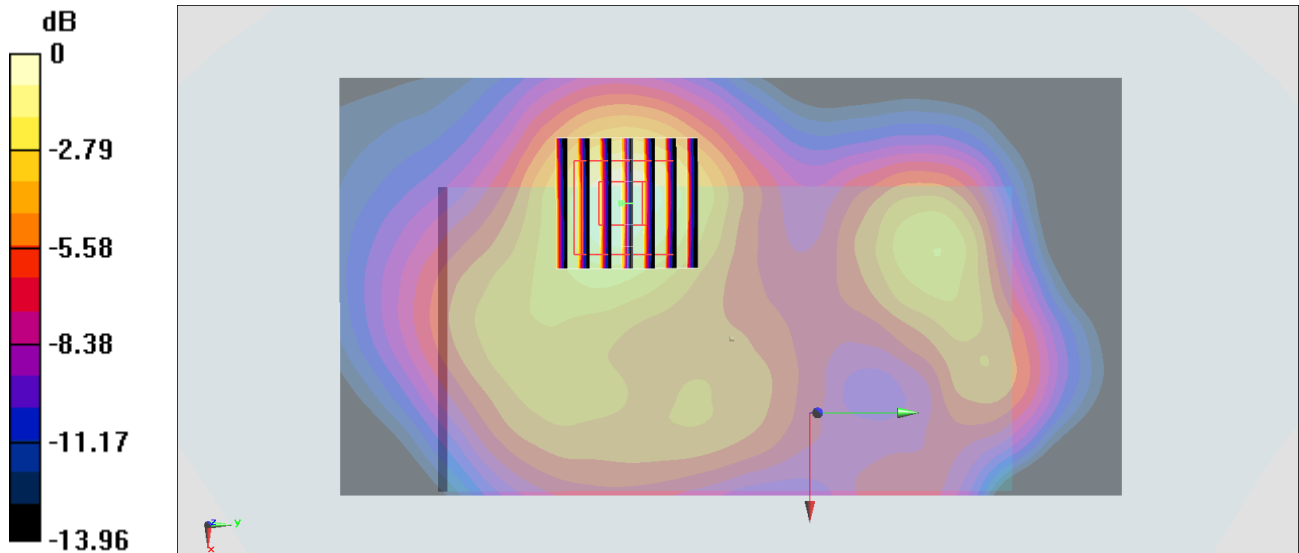
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.421 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.721 W/kg

**SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.201 W/kg**

Maximum value of SAR (measured) = 0.593 W/kg



0 dB = 0.593 W/kg = -2.27 dBW/kg

**#02\_WLAN5GHz\_802.11n-HT40 MCS0\_Front\_0mm\_Ch54;Ant 1;Holster**

Communication System: 802.11n; Frequency: 5270 MHz; Duty Cycle: 1:1.097

Medium: MSL\_5G\_180829 Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.39$  S/m;  $\epsilon_r = 46.637$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °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\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.54 W/kg

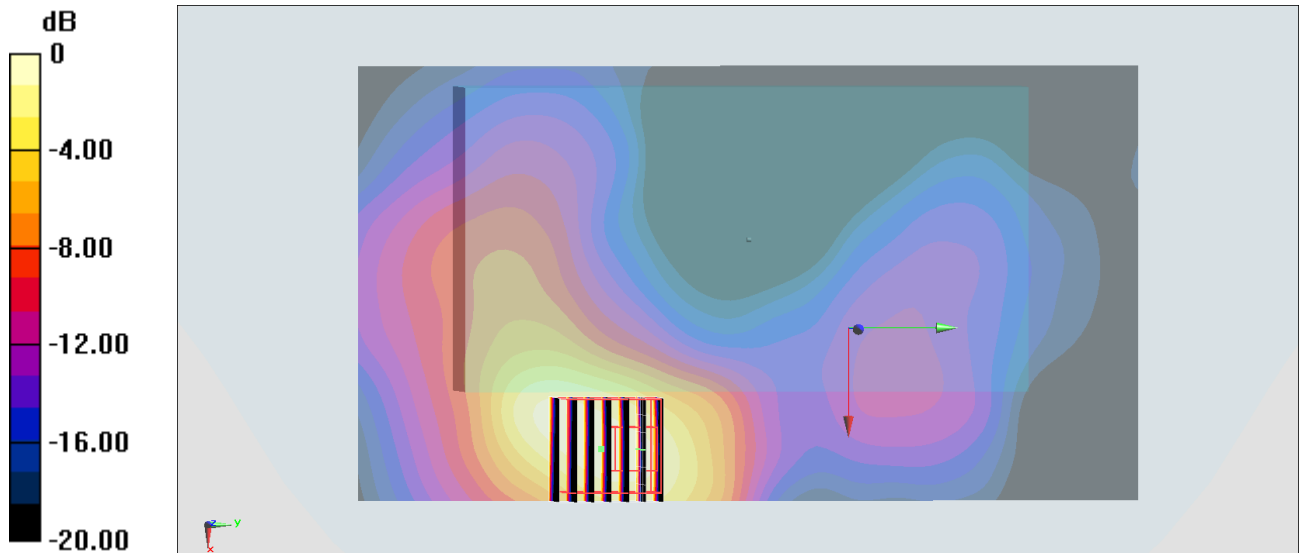
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 0.9200 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.86 W/kg

**SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.272 W/kg**

Maximum value of SAR (measured) = 1.67 W/kg



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

Communication System: 802.11ac; Frequency: 5690 MHz; Duty Cycle: 1:1.122

Medium: MSL\_5G\_180829 Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.926$  S/m;  $\epsilon_r = 46.084$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °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\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.71 W/kg

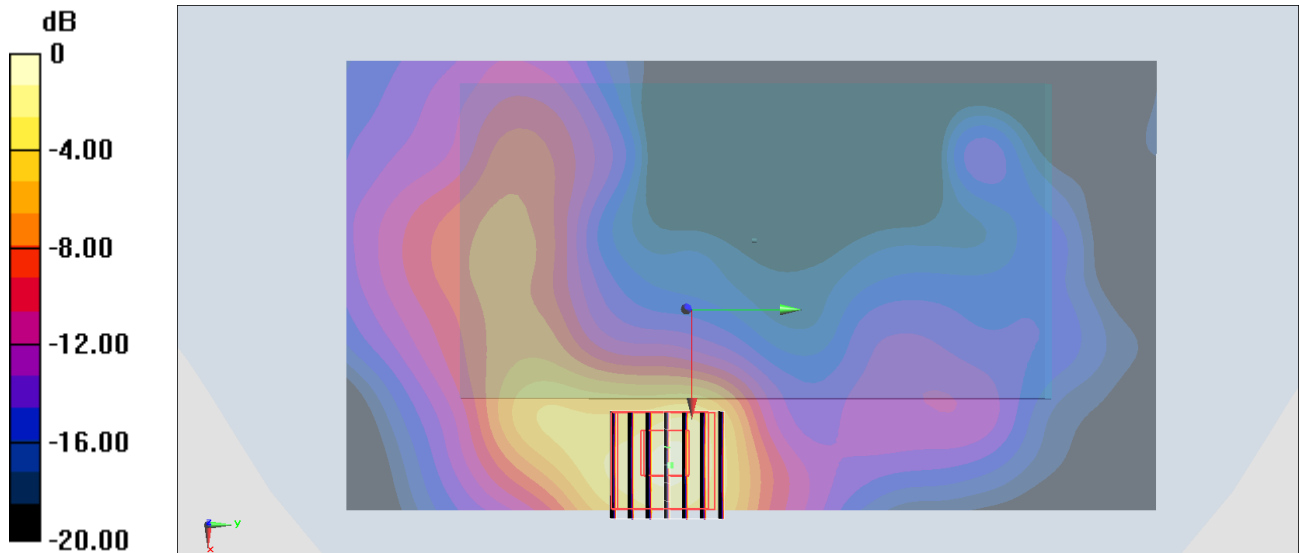
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 1.723 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.69 W/kg

**SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.331 W/kg**

Maximum value of SAR (measured) = 2.08 W/kg



0 dB = 2.08 W/kg = 3.18 dBW/kg

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

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.122

Medium: MSL\_5G\_180829 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 6.051$  S/m;  $\epsilon_r = 45.93$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °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\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.97 W/kg

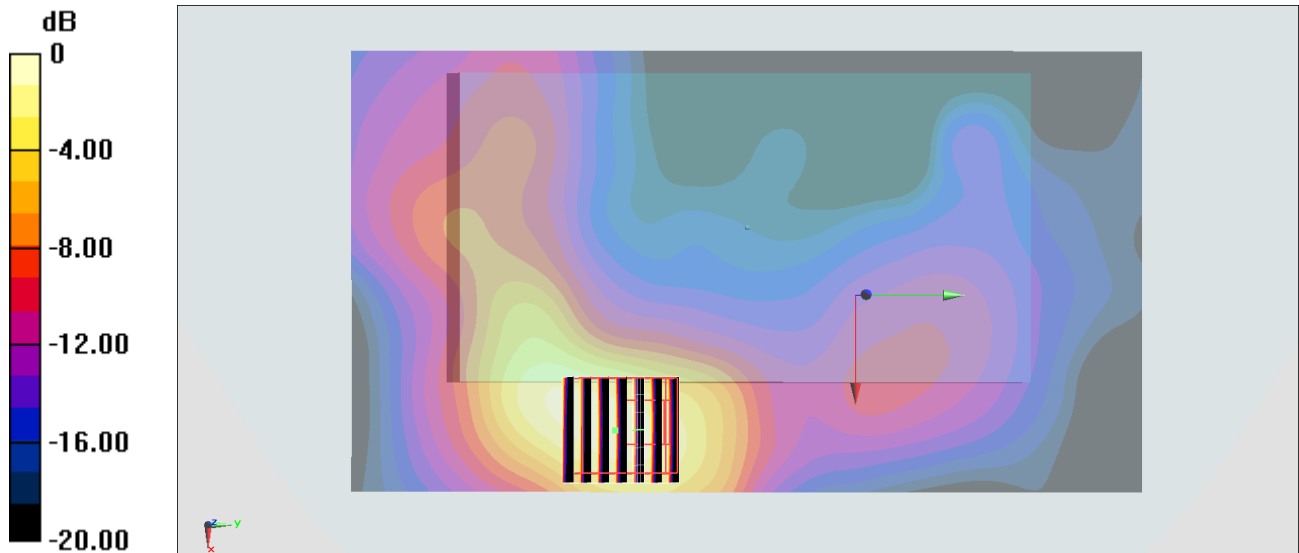
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.008 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.16 W/kg

**SAR(1 g) = 0.980 W/kg; SAR(10 g) = 0.338 W/kg**

Maximum value of SAR (measured) = 2.24 W/kg



0 dB = 2.24 W/kg = 3.50 dBW/kg

**#05\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_0mm\_Ch10;Ant 2**

Communication System: 802.11b; Frequency: 2457 MHz; Duty Cycle: 1:1.010

Medium: MSL\_2450\_180830 Medium parameters used:  $f = 2457$  MHz;  $\sigma = 2.01$  S/m;  $\epsilon_r = 52.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.02 W/kg

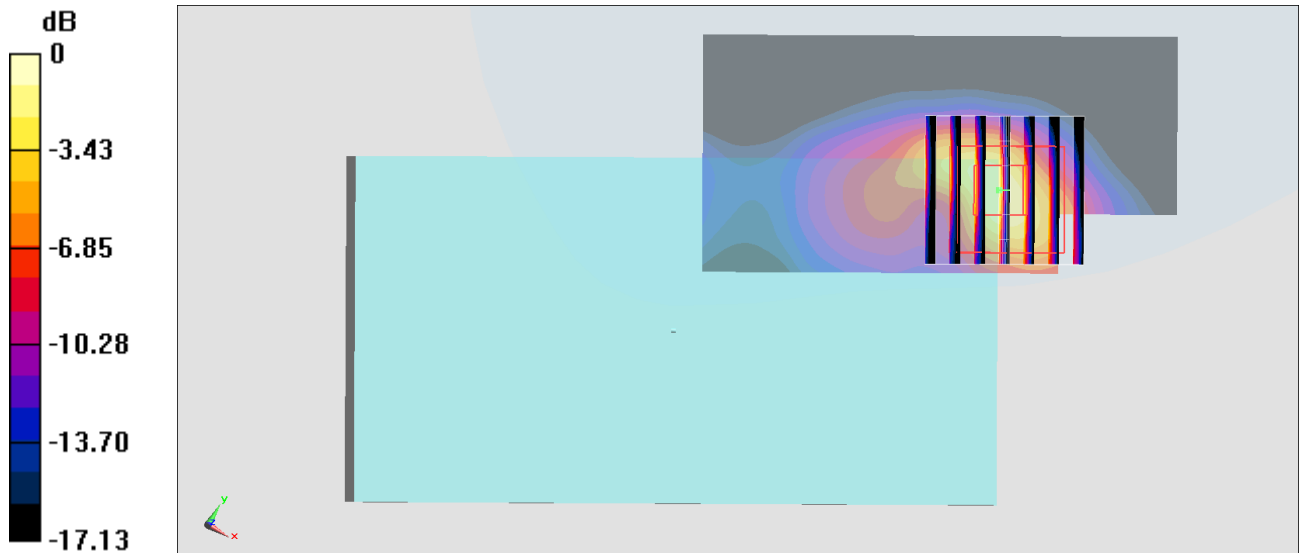
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.47 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 8.70 W/kg

**SAR(1 g) = 3.43 W/kg; SAR(10 g) = 1.31 W/kg**

Maximum value of SAR (measured) = 6.73 W/kg



0 dB = 6.73 W/kg = 8.28 dBW/kg

**#06\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_0mm\_Ch46;Ant 1**

Communication System: 802.11n; Frequency: 5230 MHz; Duty Cycle: 1:1.097

Medium: MSL\_5G\_180829 Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.348$  S/m;  $\epsilon_r = 46.792$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °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\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 35.4 W/kg

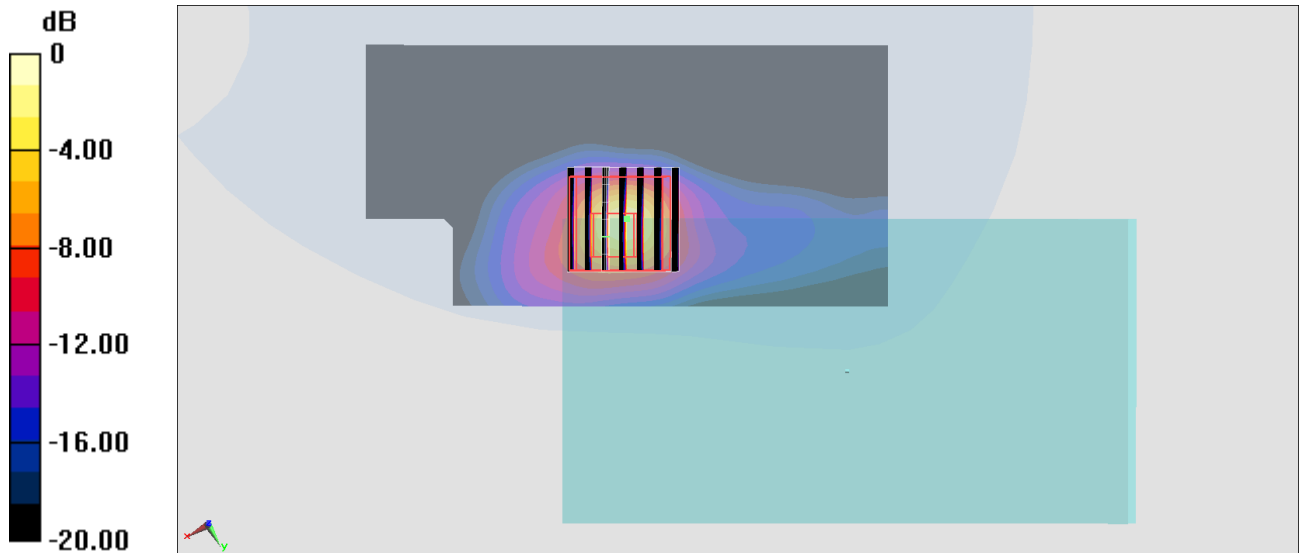
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 63.14 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 94.8 W/kg

**SAR(1 g) = 16.7 W/kg; SAR(10 g) = 3.43 W/kg**

Maximum value of SAR (measured) = 48.5 W/kg



0 dB = 48.5 W/kg = 16.86 dBW/kg

**#07\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_0mm\_Ch62;Ant 1**

Communication System: 802.11n; Frequency: 5310 MHz; Duty Cycle: 1:1.097

Medium: MSL\_5G\_180828 Medium parameters used:  $f = 5310$  MHz;  $\sigma = 5.461$  S/m;  $\epsilon_r = 47.726$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °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\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 47.6 W/kg

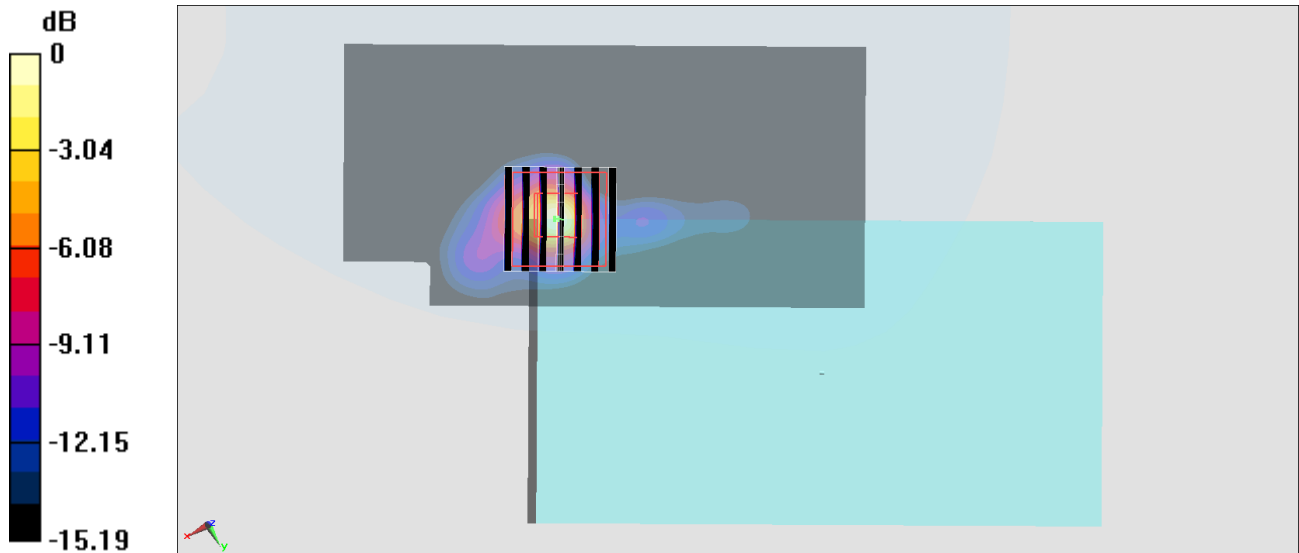
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 72.12 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 88.7 W/kg

**SAR(1 g) = 15.6 W/kg; SAR(10 g) = 3.38 W/kg**

Maximum value of SAR (measured) = 47.3 W/kg



**#08\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch106;Ant 1**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.122

Medium: MSL\_5G\_180828 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.744$  S/m;  $\epsilon_r = 47.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °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\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 34.1 W/kg

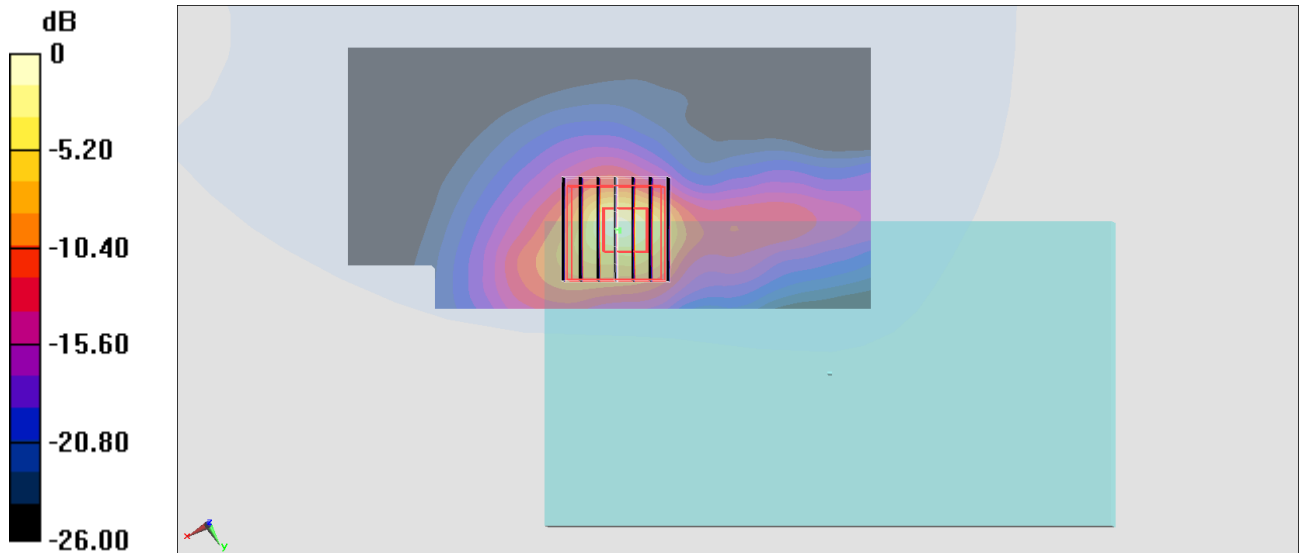
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 63.52 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 87.4 W/kg

**SAR(1 g) = 14.4 W/kg; SAR(10 g) = 3.2 W/kg**

Maximum value of SAR (measured) = 42.6 W/kg



0 dB = 42.6 W/kg = 16.29 dBW/kg



**#09\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_0mm\_Ch151;Ant 2**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1.098

Medium: MSL\_5G\_180829 Medium parameters used:  $f = 5755$  MHz;  $\sigma = 6.038$  S/m;  $\epsilon_r = 45.928$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °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\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 34.1 W/kg

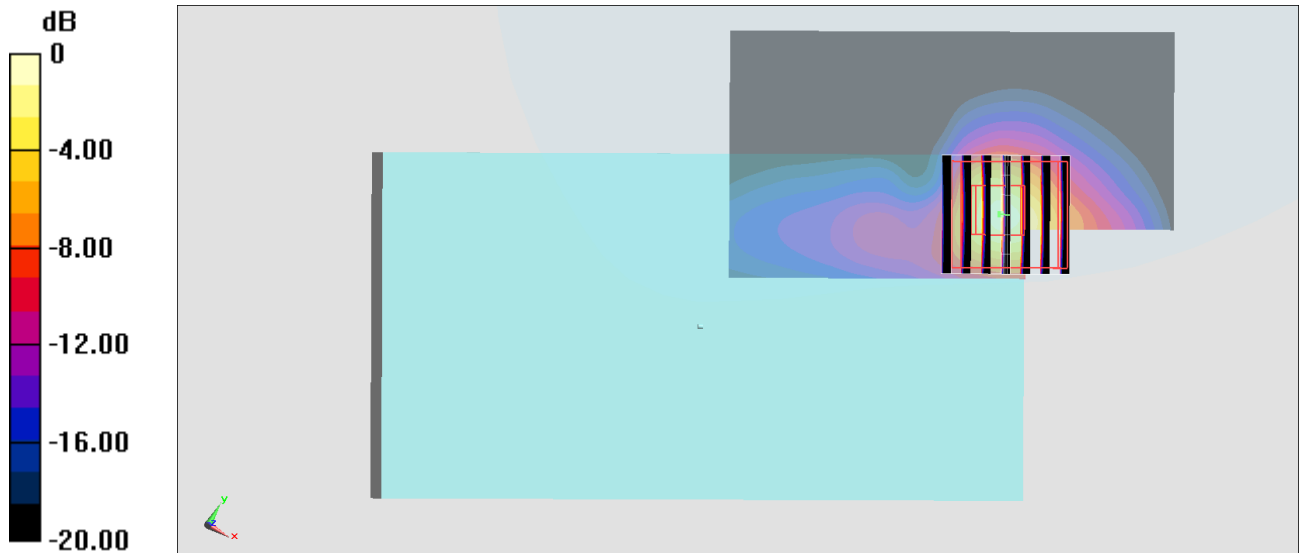
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 89.45 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 82.4 W/kg

**SAR(1 g) = 13.5 W/kg; SAR(10 g) = 3.48 W/kg**

Maximum value of SAR (measured) = 39.5 W/kg



0 dB = 39.5 W/kg = 15.97 dBW/kg

**#10\_Bluetooth\_LE 2Mbps\_Back\_0mm\_Ch19;Ant 1**

Communication System: Bluetooth; Frequency: 2440 MHz; Duty Cycle: 1:3.079

Medium: MSL\_2450\_180830 Medium parameters used:  $f = 2440$  MHz;  $\sigma = 1.987$  S/m;  $\epsilon_r = 52.437$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0226 W/kg

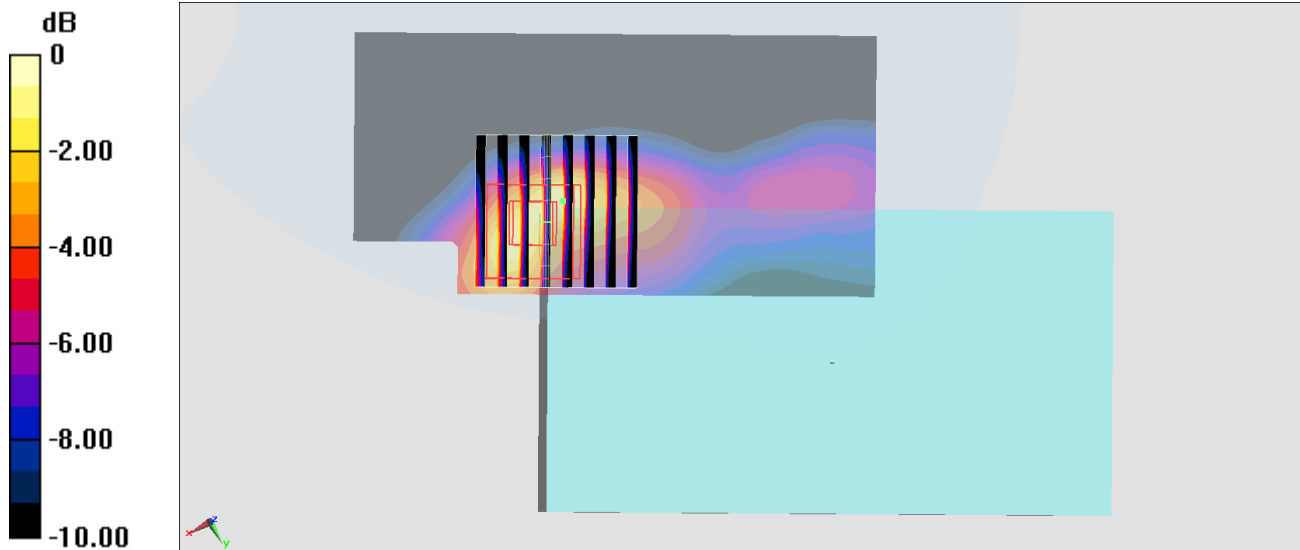
**Zoom Scan (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.266 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0500 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00601 W/kg**

Maximum value of SAR (measured) = 0.0215 W/kg



0 dB = 0.0226 W/kg = -16.46 dBW/kg