

Test Plot 1#: WLAN 2.4G Mode B_Vertical-Front_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.0503 W/kg

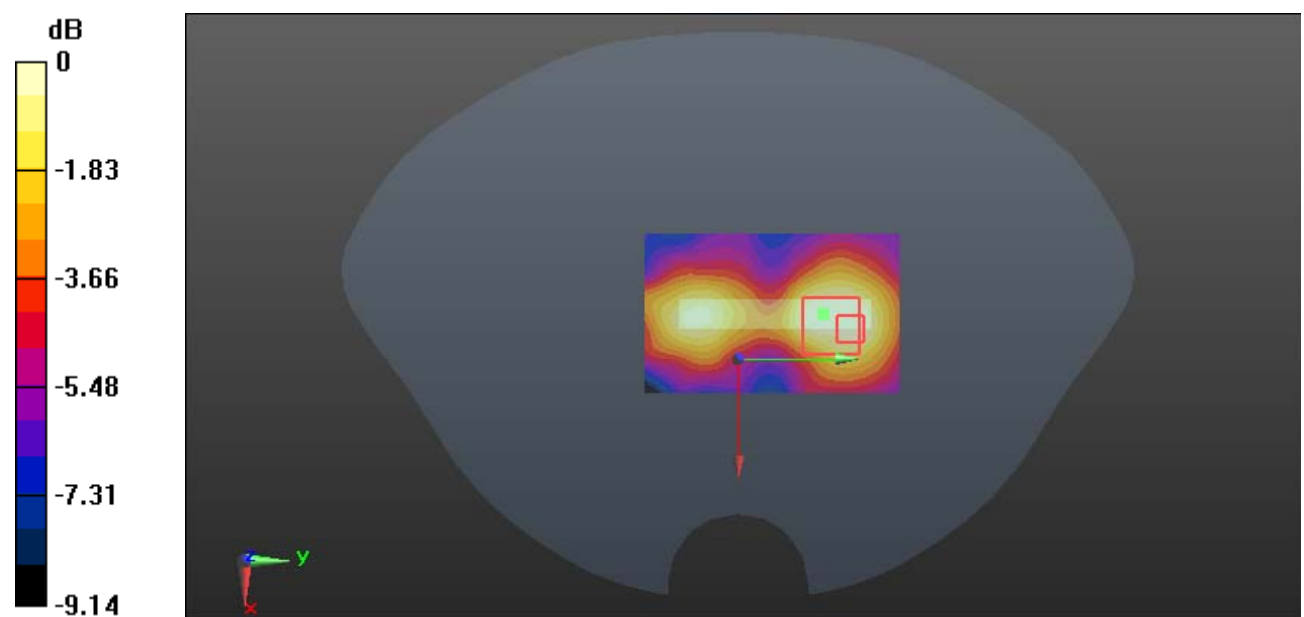
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.365 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0492 W/kg



0 dB = 0.0492 W/kg = -13.08 dBW/kg

Test Plot 2#: WLAN 2.4G Mode B_Horizontal-Down_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.352 W/kg

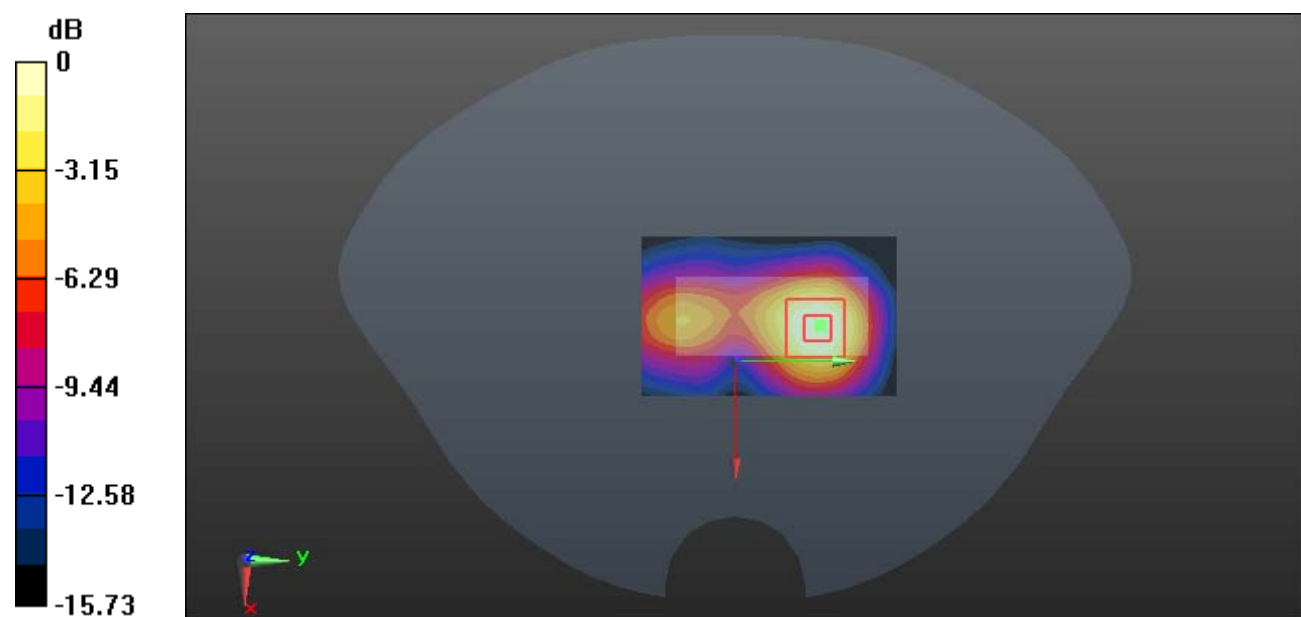
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.626 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.301 W/kg



0 dB = 0.301 W/kg = -5.21 dBW/kg

Test Plot 3#: WLAN 2.4G Mode B_Body Top_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0794 W/kg

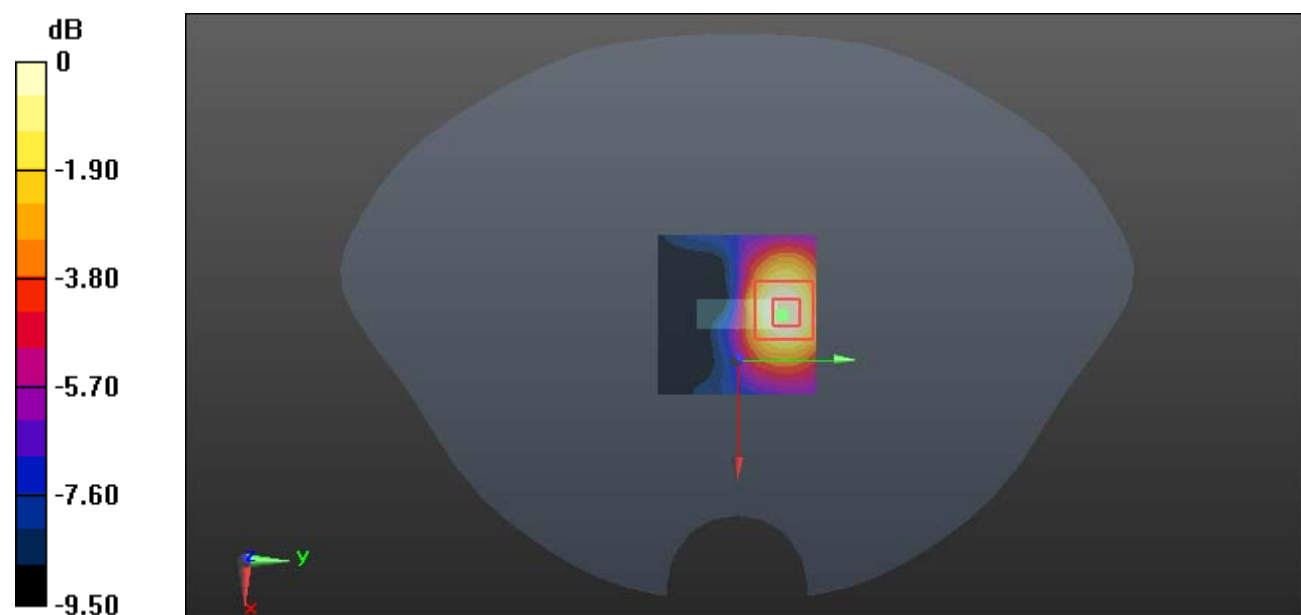
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.235 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0830 W/kg

SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.028 W/kg

Maximum value of SAR (measured) = 0.0751 W/kg



0 dB = 0.0751 W/kg = -11.24 dBW/kg

Test Plot 4#: WLAN 2.4G Mode B_Horizontal-Up_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.351 W/kg

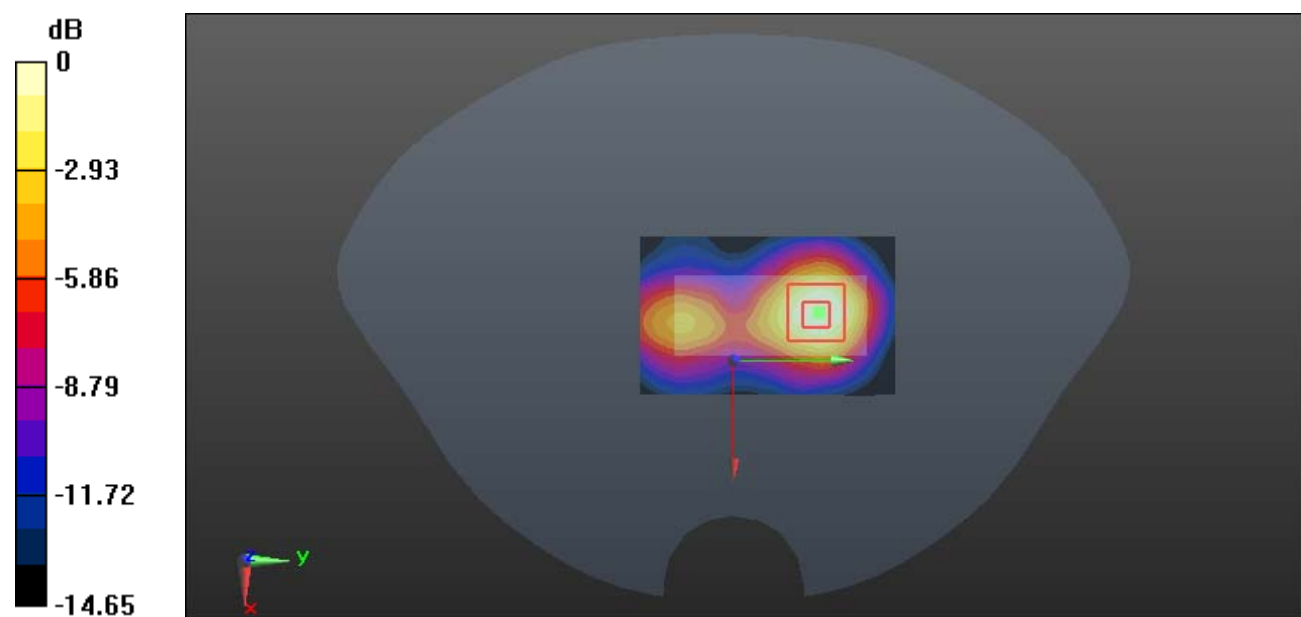
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.687 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.085 W/kg

Maximum value of SAR (measured) = 0.293 W/kg



0 dB = 0.293 W/kg = -5.33 dBW/kg

Test Plot 5#: WLAN 2.4G Mode B_Vertical-Back_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.150 W/kg

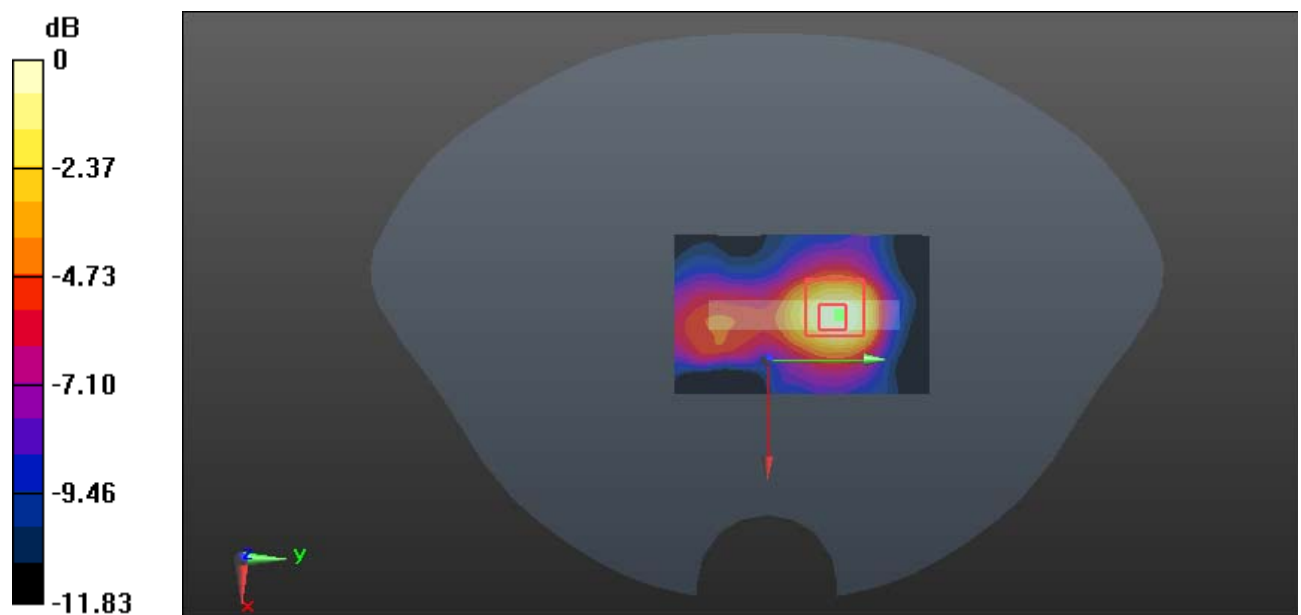
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.760 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.035 W/kg

Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.141 W/kg = -8.51 dBW/kg

Test Plot 6#: WLAN 2.4G Mode B_Vertical-Front_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.177 W/kg

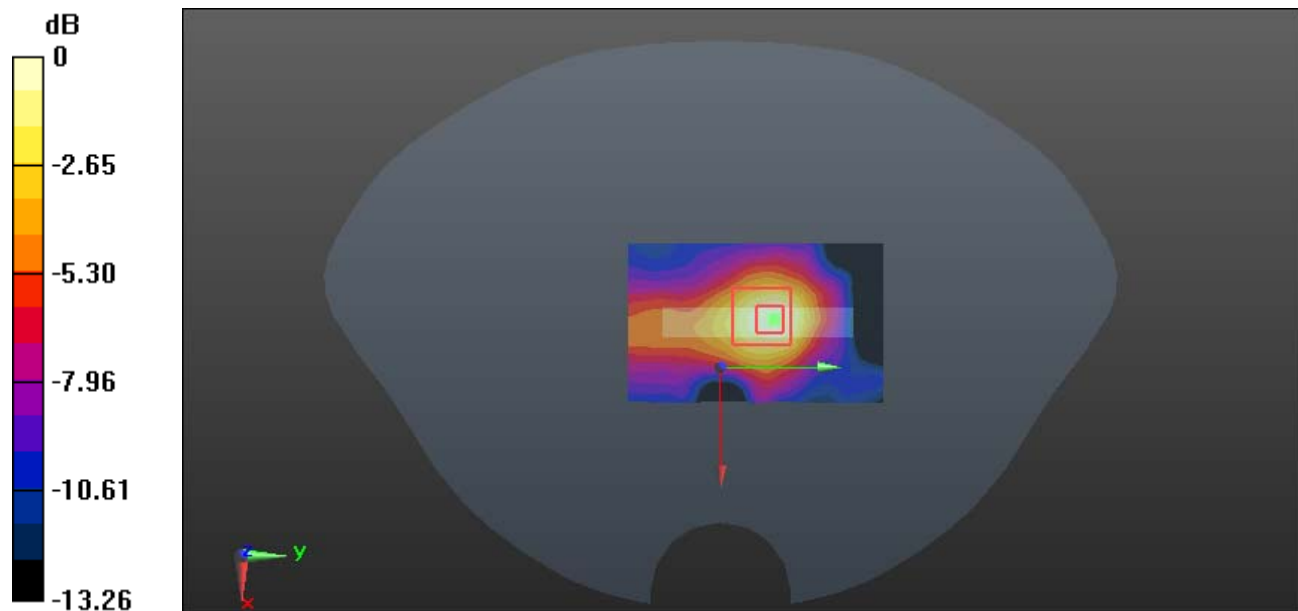
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.459 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



0 dB = 0.168 W/kg = -7.75 dBW/kg

Test Plot 7#: WLAN 2.4G Mode B_Horizontal-Down_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.421 W/kg

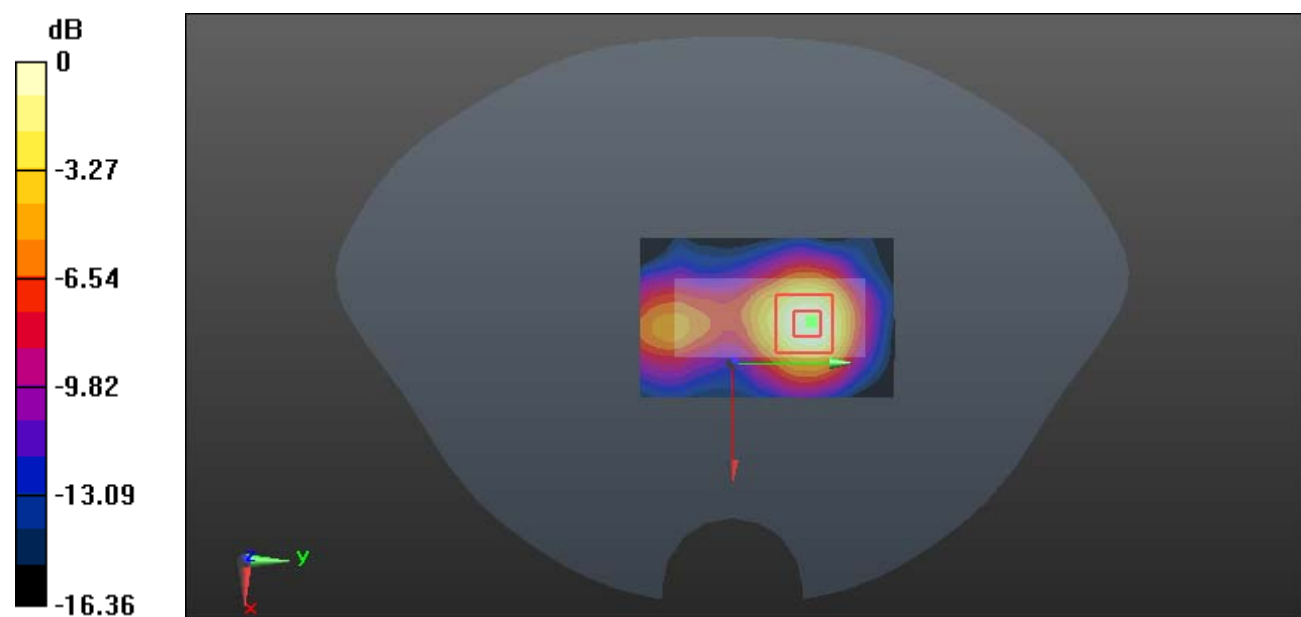
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.361 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.110 W/kg

Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

Test Plot 8#: WLAN 2.4G Mode B_Body Top_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (51x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0824 W/kg

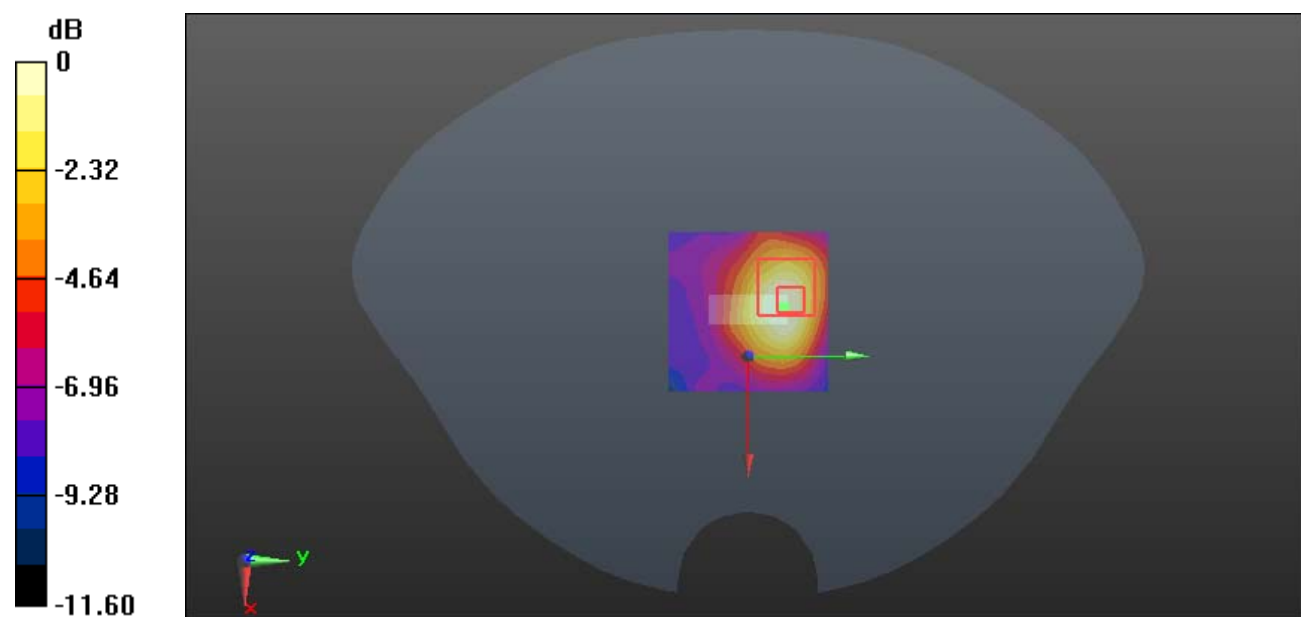
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.291 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0990 W/kg

SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0730 W/kg



0 dB = 0.0730 W/kg = -11.37 dBW/kg

Test Plot 8#: WLAN 2.4G Mode B_Horizontal-Up_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.395 W/kg

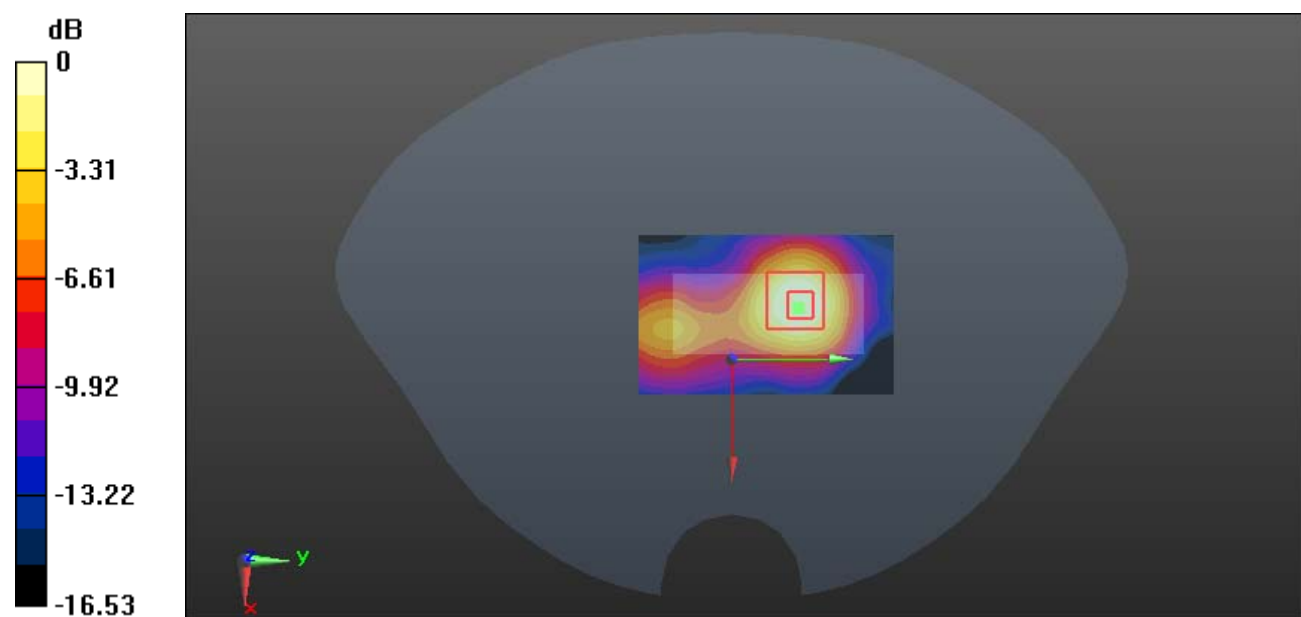
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.931 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.526 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.342 W/kg



0 dB = 0.342 W/kg = -4.66 dBW/kg

Test Plot 10#: WLAN 2.4G Mode B_Vertical-Back_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11b WiFi 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.0610 W/kg

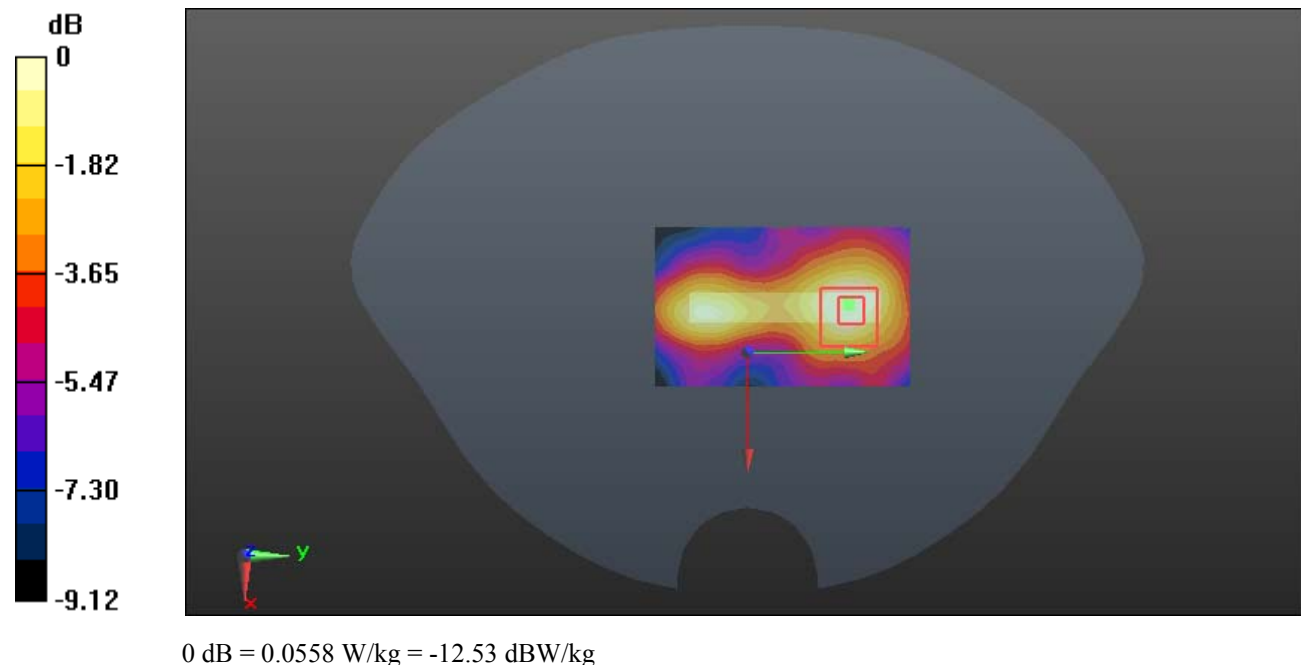
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.797 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.0660 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0558 W/kg



Test Plot 11#: WLAN 5.8G Mode A_Vertical-Front_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.265$ S/m; $\epsilon_r = 34.921$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.121 W/kg

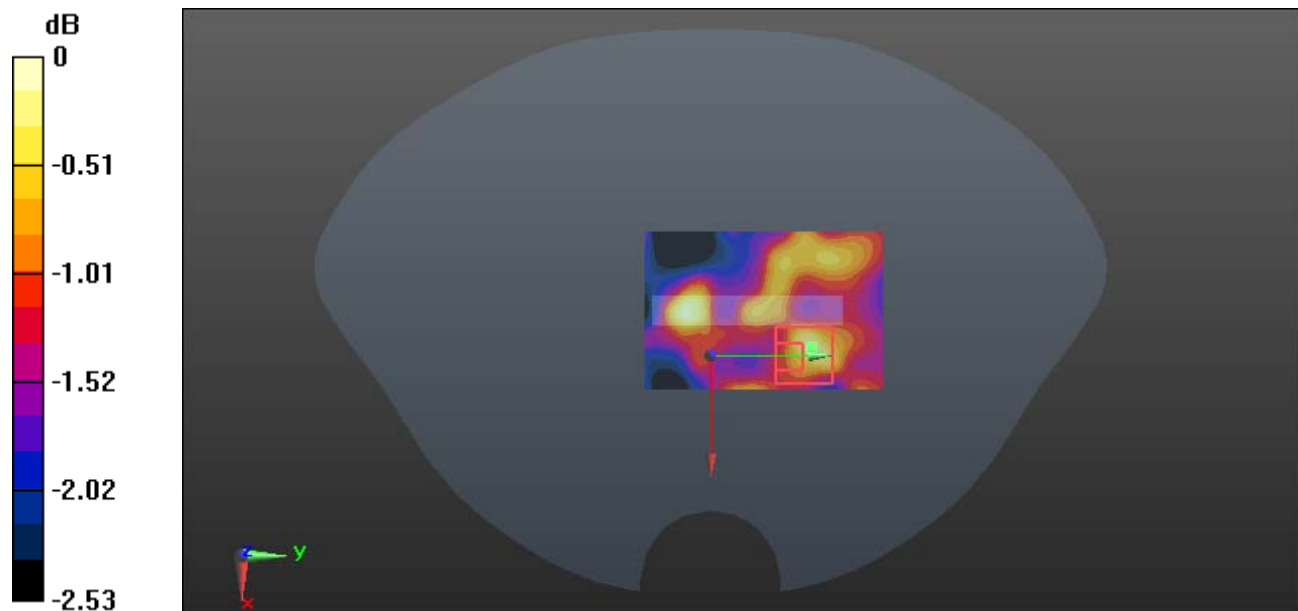
Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.171 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.150 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.124 W/kg



0 dB = 0.124 W/kg = -9.07 dBW/kg

Test Plot 12#: WLAN 5.8G Mode A_Horizontal-Down_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

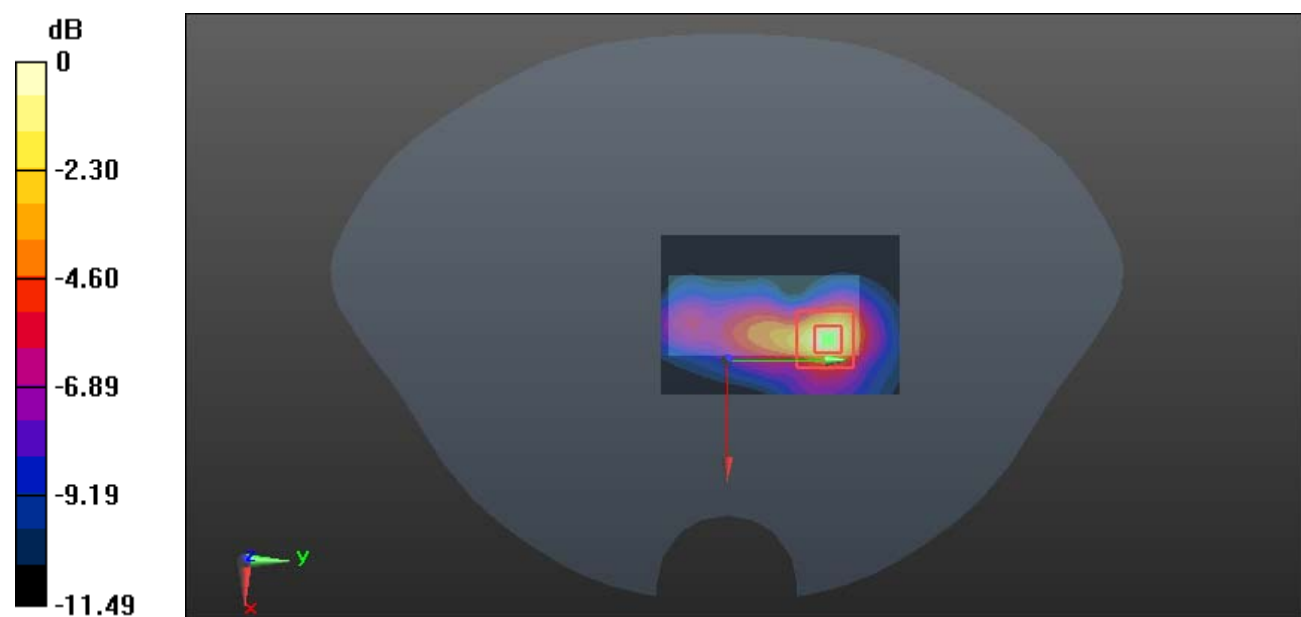
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.265 \text{ S/m}$; $\epsilon_r = 34.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 1.21 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 5.554 V/m ; Power Drift = 0.18 dB Peak SAR (extrapolated) = 2.57 W/kg **SAR(1 g) = 0.600 W/kg ; SAR(10 g) = 0.265 W/kg** Maximum value of SAR (measured) = 1.35 W/kg  $0 \text{ dB} = 1.35 \text{ W/kg} = 1.30 \text{ dBW/kg}$

Test Plot 13#: WLAN 5.8G Mode A_Body Top_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

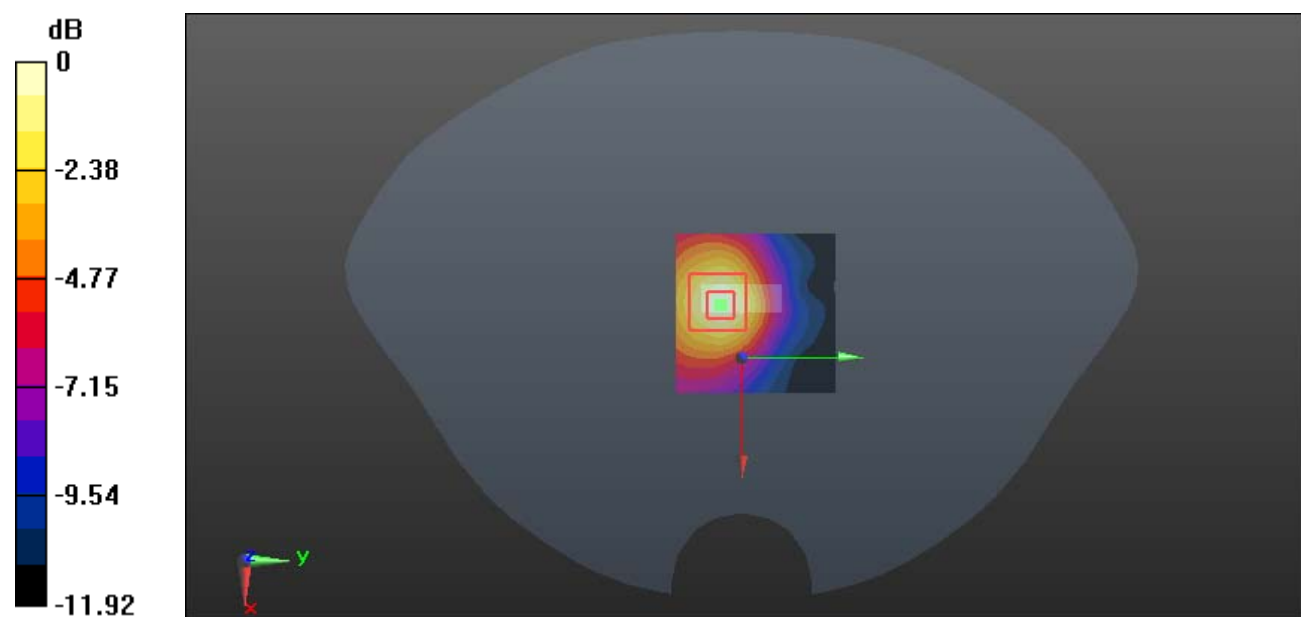
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.265 \text{ S/m}$; $\epsilon_r = 34.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x61x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.863 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 7.411 V/m ; Power Drift = 0.17 dB Peak SAR (extrapolated) = 1.54 W/kg **SAR(1 g) = 0.389 W/kg ; SAR(10 g) = 0.189 W/kg** Maximum value of SAR (measured) = 0.846 W/kg  $0 \text{ dB} = 0.846 \text{ W/kg} = -0.73 \text{ dBW/kg}$

Test Plot 14#: WLAN 5.8G Mode A_Horizontal-Up_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.265$ S/m; $\epsilon_r = 34.921$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 1.34 W/kg

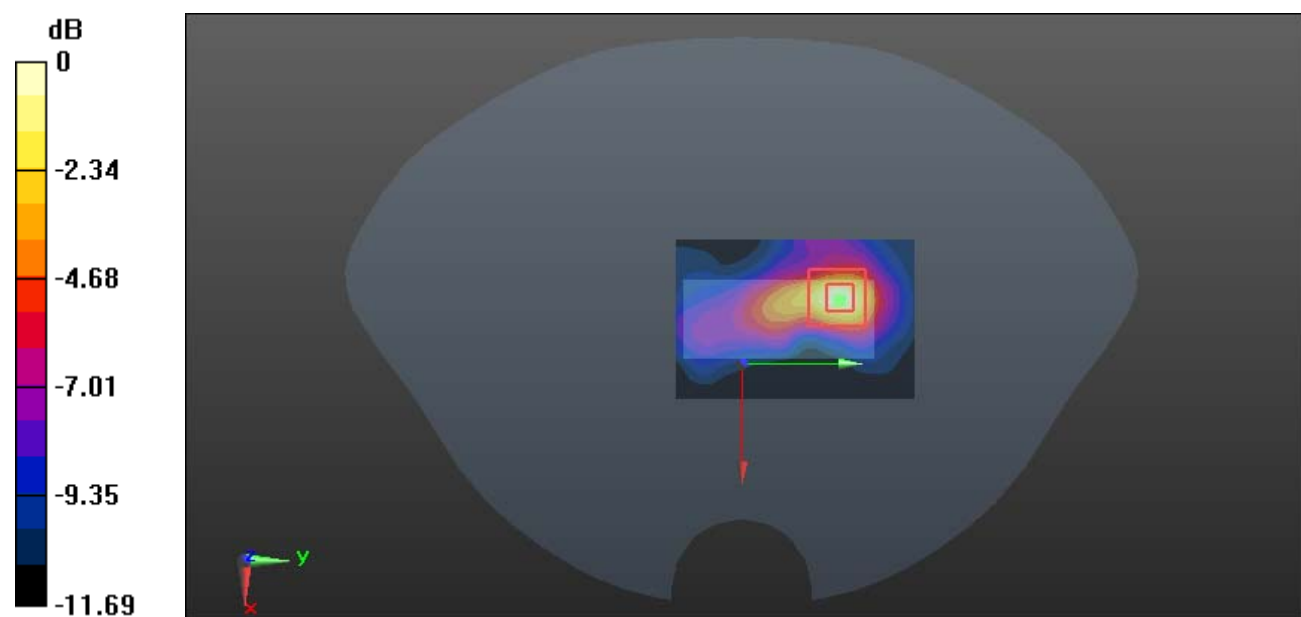
Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.314 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

Test Plot 15#: WLAN 5.8G Mode A_Vertical-Back_Low_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

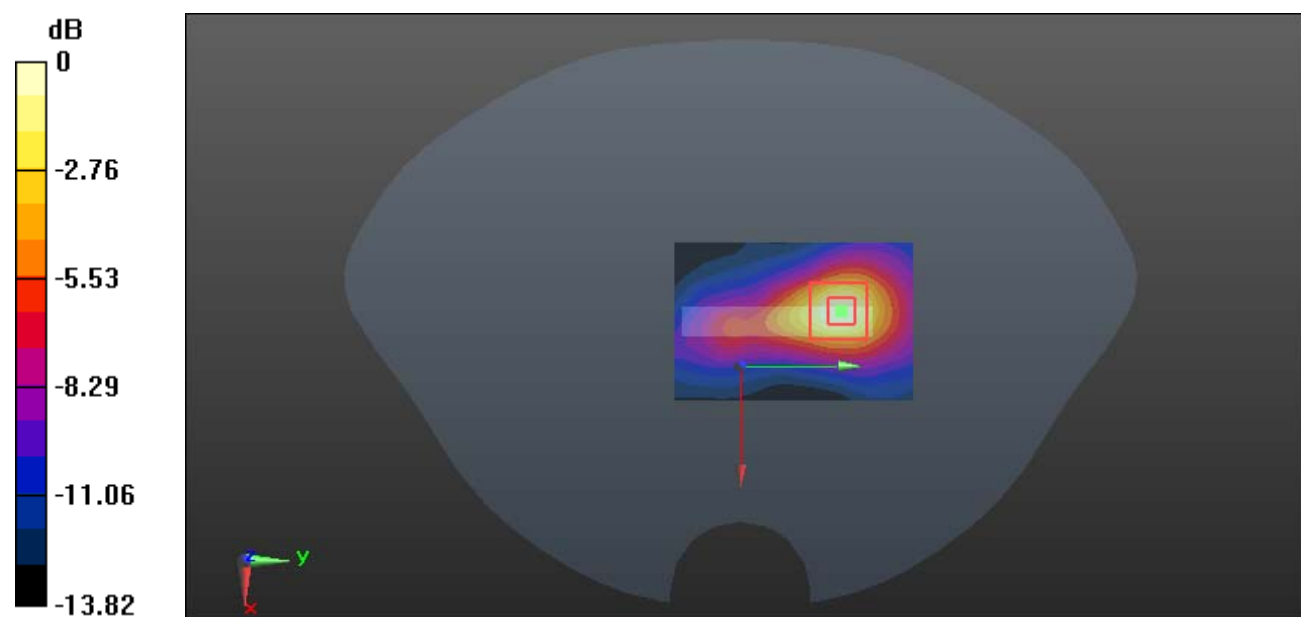
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.224 \text{ S/m}$; $\epsilon_r = 35.036$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5745 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 2.24 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 7.337 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 4.01 W/kg **SAR(1 g) = 0.933 W/kg ; SAR(10 g) = 0.388 W/kg** Maximum value of SAR (measured) = 2.17 W/kg  $0 \text{ dB} = 2.17 \text{ W/kg} = 3.36 \text{ dBW/kg}$

Test Plot 16#: WLAN 5.8G Mode A_Vertical-Back_Mid_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

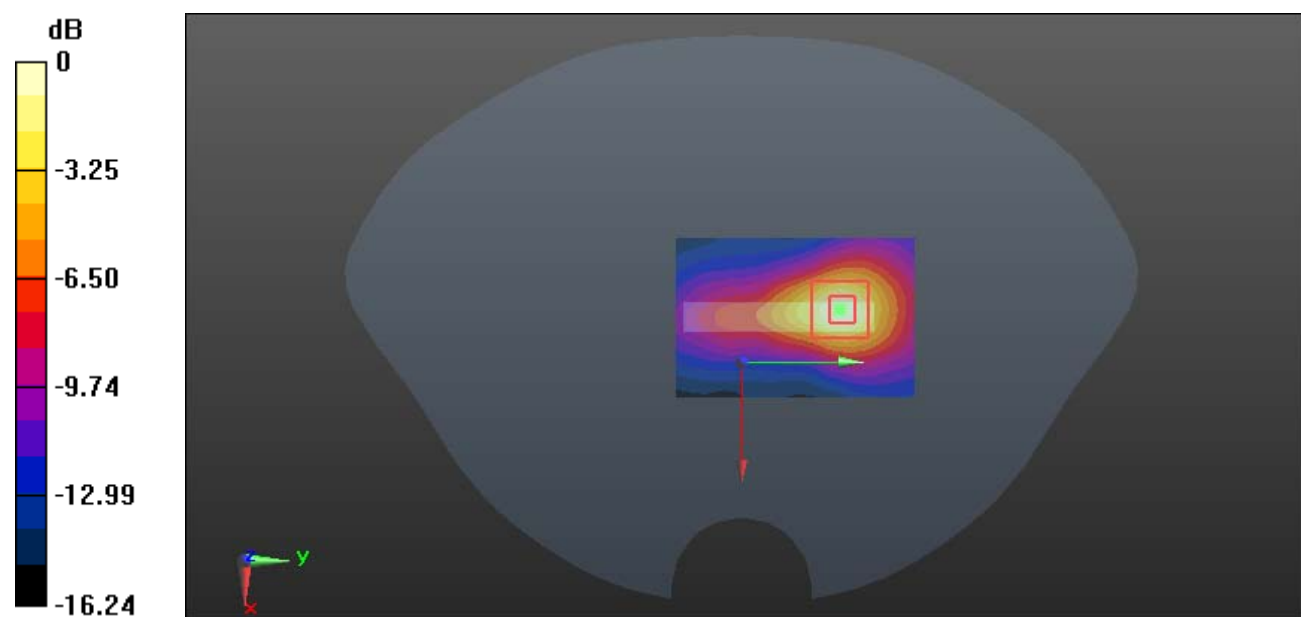
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.265 \text{ S/m}$; $\epsilon_r = 34.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 2.50 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 6.937 V/m ; Power Drift = 0.15 dB Peak SAR (extrapolated) = 4.57 W/kg **SAR(1 g) = 1.05 W/kg ; SAR(10 g) = 0.411 W/kg** Maximum value of SAR (measured) = 2.47 W/kg  $0 \text{ dB} = 2.47 \text{ W/kg} = 3.93 \text{ dBW/kg}$

Test Plot 17#: WLAN 5.8G Mode A_Vertical-Back_High_Antenna 0**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.307$ S/m; $\epsilon_r = 34.806$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5825 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 2.61 W/kg

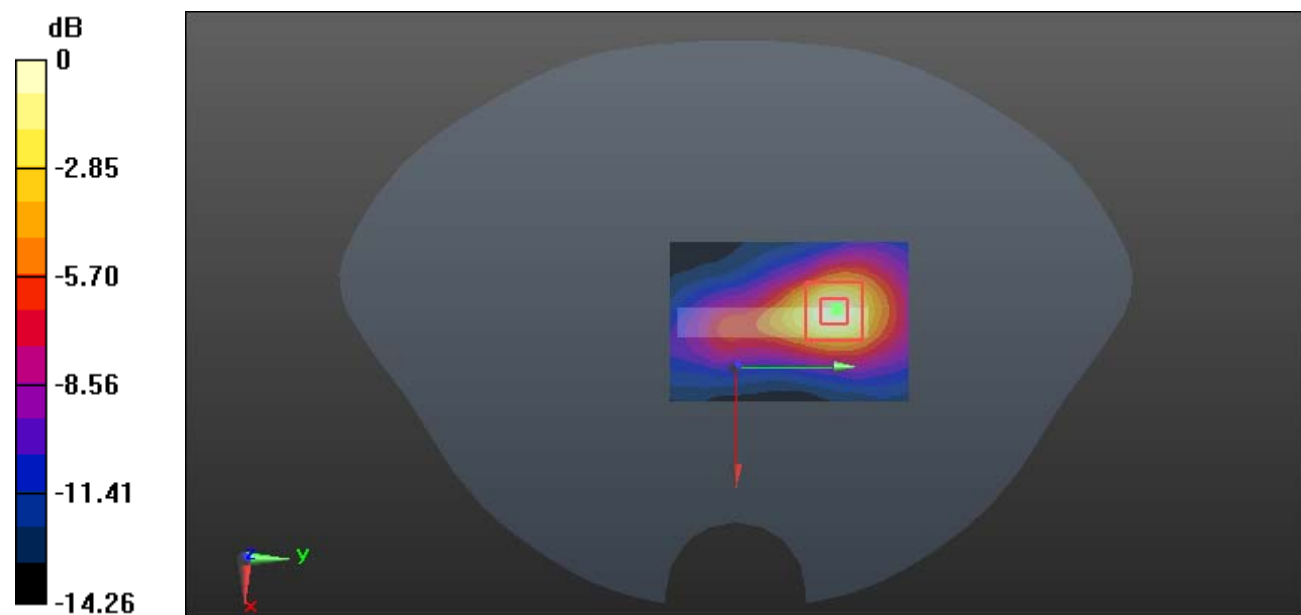
Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 7.373 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 4.71 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.440 W/kg

Maximum value of SAR (measured) = 2.51 W/kg



0 dB = 2.51 W/kg = 4.00 dBW/kg

Test Plot 18#: WLAN 5.8G Mode A_Vertical-Front_Low_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

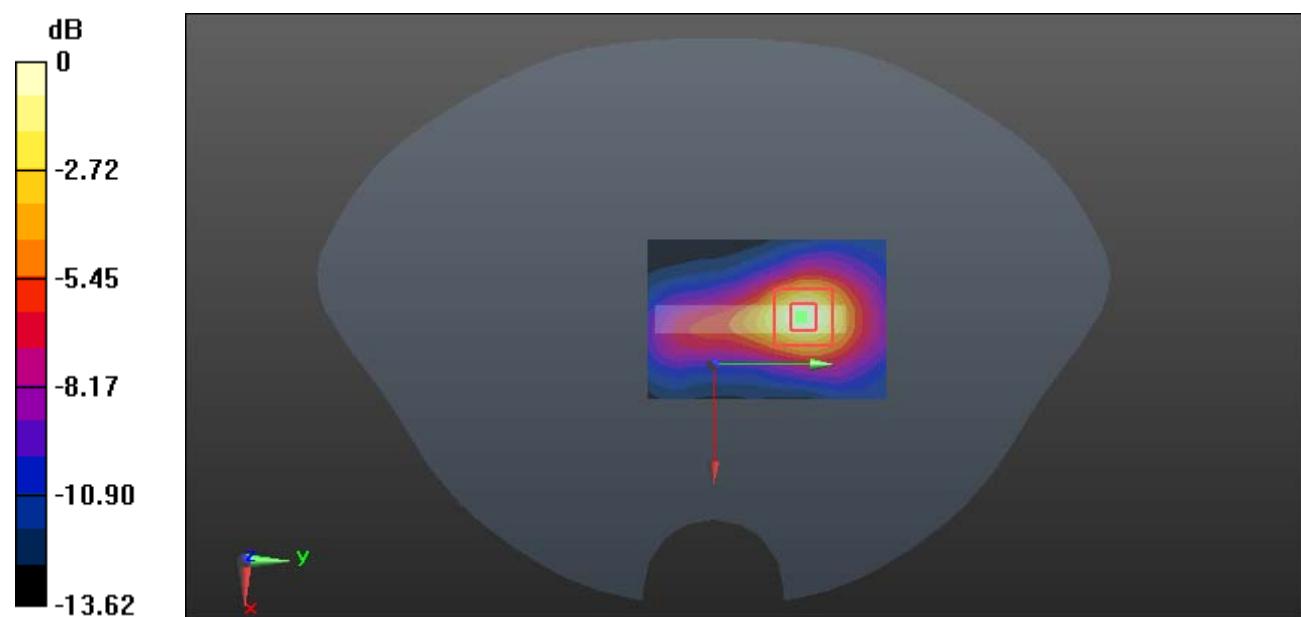
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.224 \text{ S/m}$; $\epsilon_r = 35.036$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5745 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 2.11 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 7.234 V/m ; Power Drift = 0.08 dB Peak SAR (extrapolated) = 3.92 W/kg **SAR(1 g) = 0.913 W/kg ; SAR(10 g) = 0.385 W/kg** Maximum value of SAR (measured) = 2.07 W/kg  $0 \text{ dB} = 2.07 \text{ W/kg} = 3.16 \text{ dBW/kg}$

Test Plot 19#: WLAN 5.8G Mode A_Vertical-Front_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

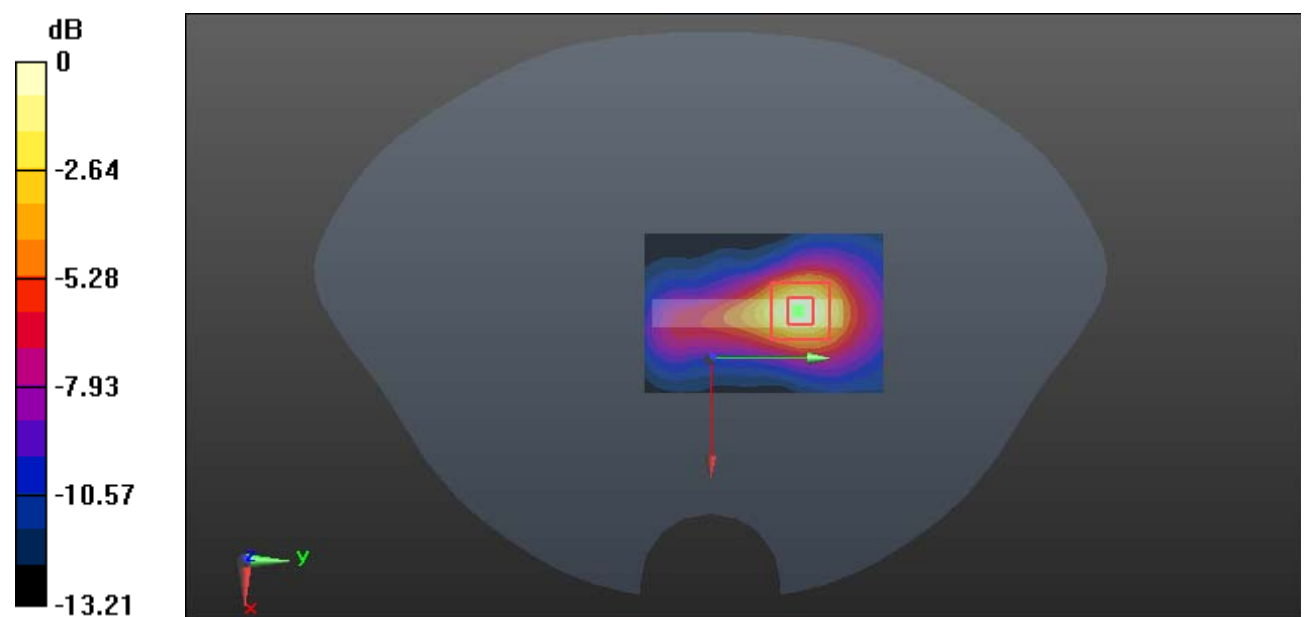
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.265 \text{ S/m}$; $\epsilon_r = 34.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 1.78 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 6.827 V/m ; Power Drift = 0.14 dB Peak SAR (extrapolated) = 3.43 W/kg **SAR(1 g) = 0.800 W/kg ; SAR(10 g) = 0.345 W/kg** Maximum value of SAR (measured) = 1.81 W/kg  $0 \text{ dB} = 1.81 \text{ W/kg} = 2.58 \text{ dBW/kg}$

Test Plot 20#: WLAN 5.8G Mode A_Vertical-Front_High_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.307$ S/m; $\epsilon_r = 34.806$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5825 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 2.34 W/kg

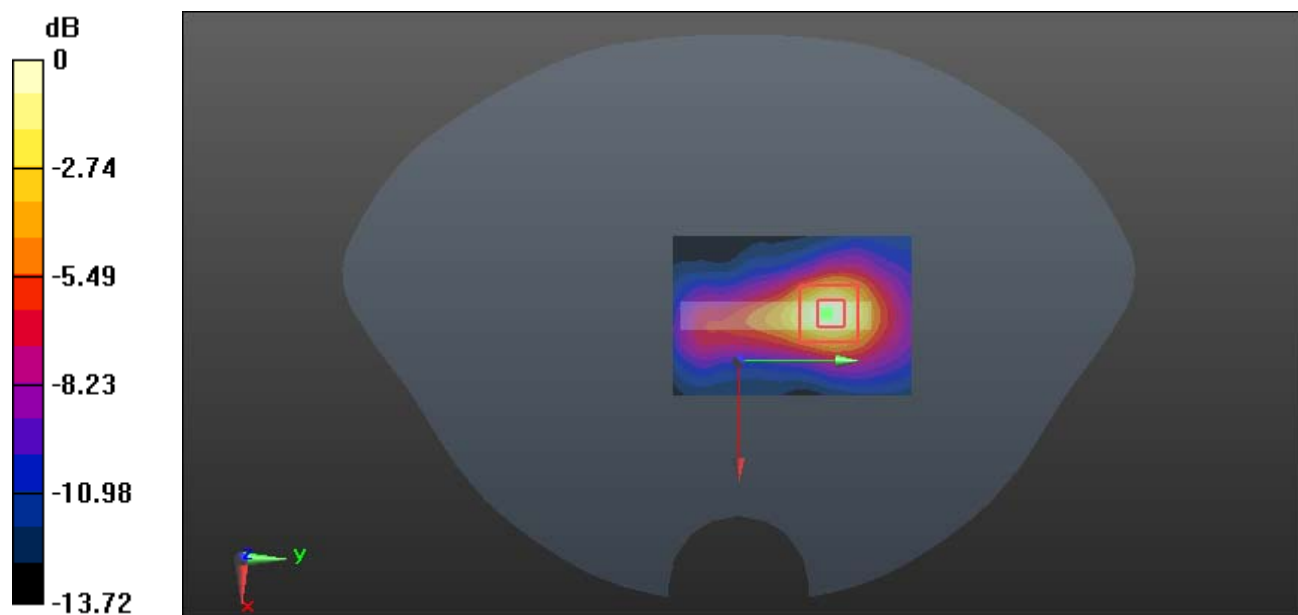
Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 7.597 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.28 W/kg

SAR(1 g) = 0.992 W/kg; SAR(10 g) = 0.412 W/kg

Maximum value of SAR (measured) = 2.28 W/kg



0 dB = 2.28 W/kg = 3.58 dBW/kg

Test Plot 21#: WLAN 5.8G Mode A_Horizontal-Down_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

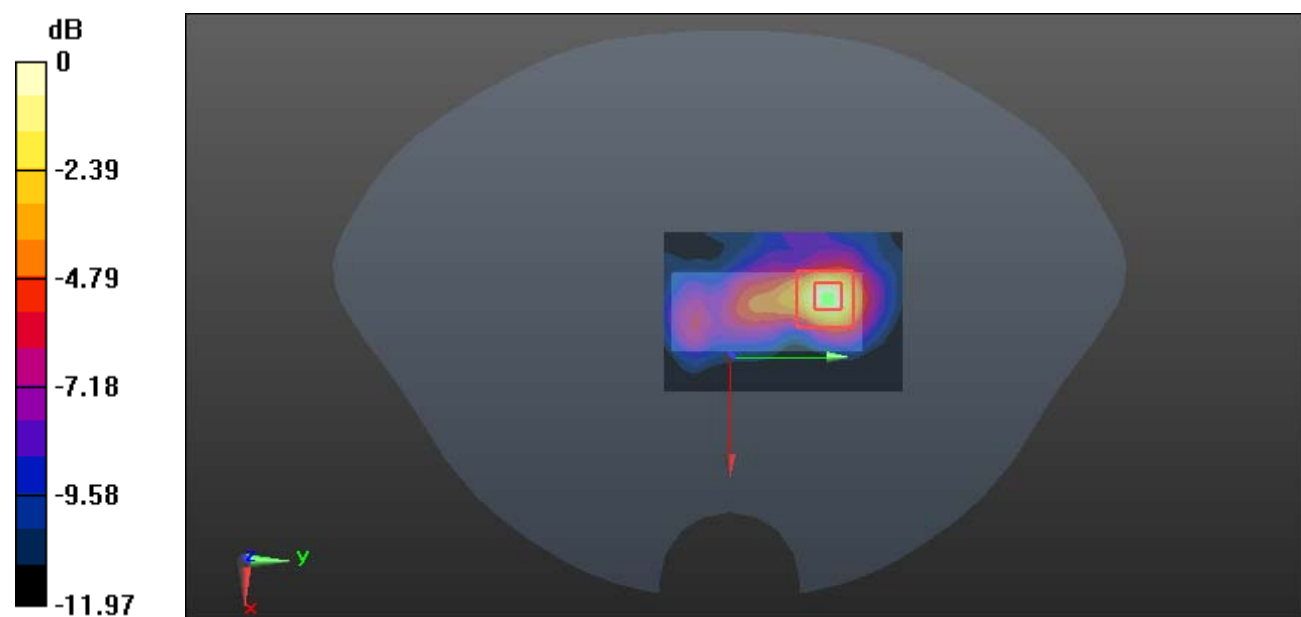
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.265 \text{ S/m}$; $\epsilon_r = 34.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 1.01 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 5.121 V/m ; Power Drift = 0.16 dB Peak SAR (extrapolated) = 1.92 W/kg **SAR(1 g) = 0.437 W/kg ; SAR(10 g) = 0.188 W/kg** Maximum value of SAR (measured) = 1.02 W/kg  $0 \text{ dB} = 1.02 \text{ W/kg} = 0.09 \text{ dBW/kg}$

Test Plot 22#: WLAN 5.8G Mode A_Body Top_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

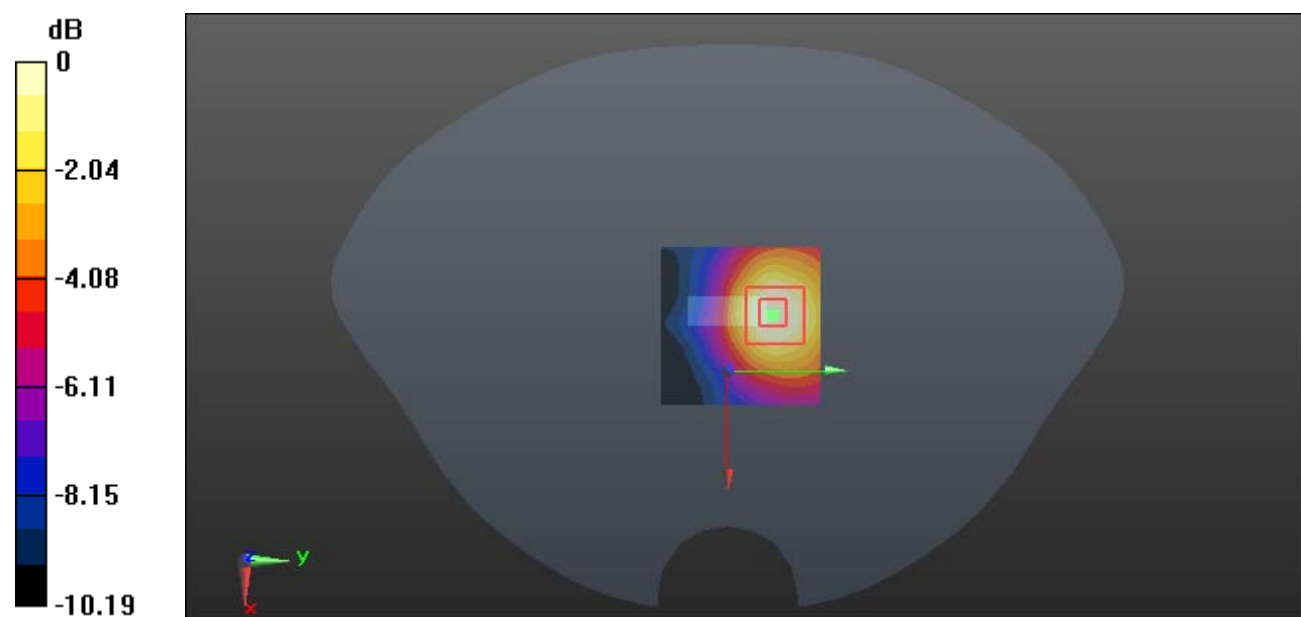
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.265 \text{ S/m}$; $\epsilon_r = 34.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x61x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.596 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 4.850 V/m ; Power Drift = -0.19 dB Peak SAR (extrapolated) = 0.958 W/kg **SAR(1 g) = 0.262 W/kg ; SAR(10 g) = 0.141 W/kg** Maximum value of SAR (measured) = 0.516 W/kg 0 dB = 0.516 W/kg = -2.87 dBW/kg

Test Plot 23#: WLAN 5.8G Mode A_Horizontal-Up_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

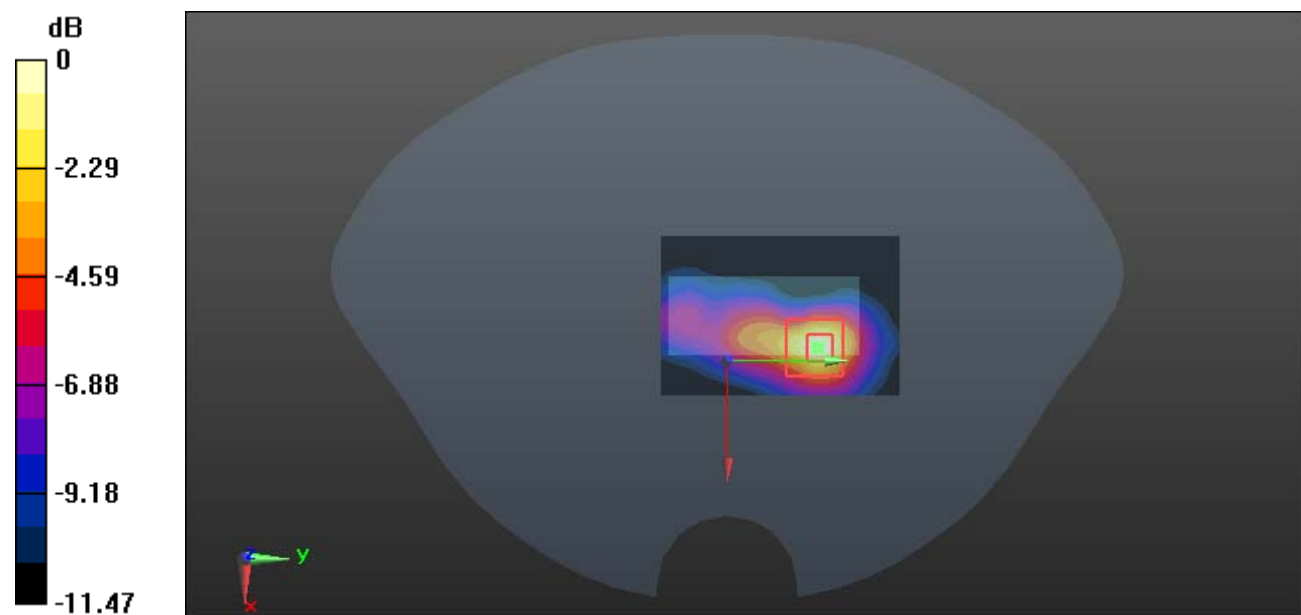
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.265 \text{ S/m}$; $\epsilon_r = 34.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.889 W/kg **Zoom Scan (7x7x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 5.155 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 1.81 W/kg **SAR(1 g) = 0.413 W/kg ; SAR(10 g) = 0.181 W/kg** Maximum value of SAR (measured) = 0.921 W/kg 0 dB = 0.921 W/kg = -0.36 dBW/kg

Test Plot 24#: WLAN 5.8G Mode A_Vertical-Back_Mid_Antenna 1**DUT: 802.11AC Dual-Band Wi-Fi USB Adapter; Type: EP-AC1601; Serial: RSZ191119004-SA-S1**

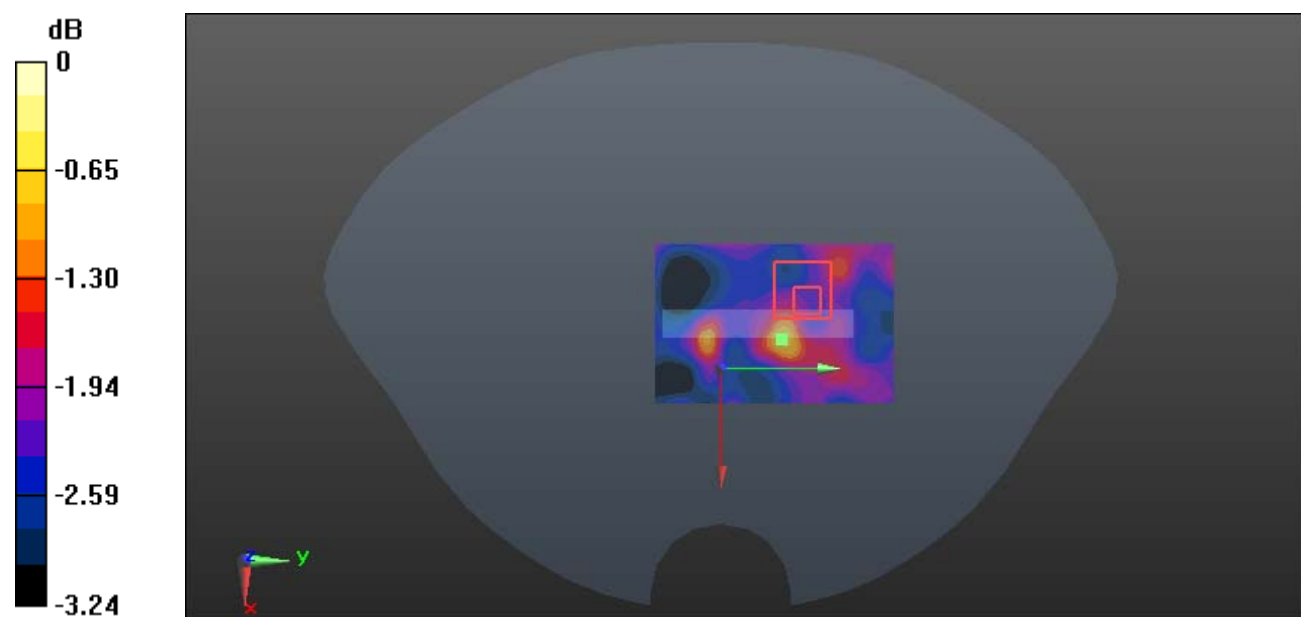
Communication System: IEEE 802.11a WiFi 5.8 GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.265 \text{ S/m}$; $\epsilon_r = 34.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(5.08, 5.08, 5.08) @ 5785 MHz; Calibrated: 2018/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: SAM (30deg probe tilt) with CRP v5.0_20150321; Type: QD000P40CD; Serial: TP:1874
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$ Maximum value of SAR (interpolated) = 0.108 W/kg **Zoom Scan (10x9x6)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=2\text{mm}$ Reference Value = 4.185 V/m ; Power Drift = 0.12 dB Peak SAR (extrapolated) = 0.133 W/kg **SAR(1 g) = 0.106 W/kg ; SAR(10 g) = 0.099 W/kg** Maximum value of SAR (measured) = 0.131 W/kg 0 dB = 0.131 W/kg = -8.83 dBW/kg