

Wi-Fi 5.8 GHz

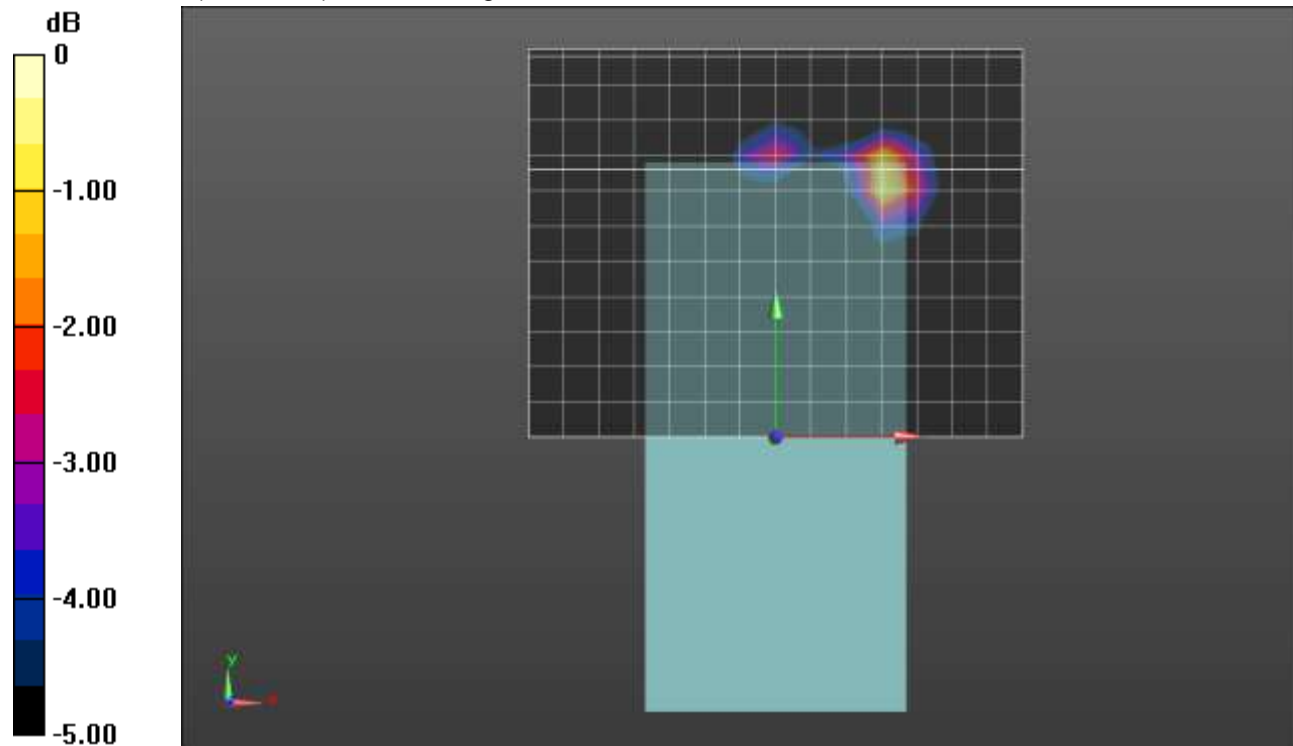
Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.364 \text{ S/m}$; $\epsilon_r = 46.558$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1548; Calibrated: 5/3/2018
- Probe: EX3DV4 - SN3990; ConvF(4.44, 4.44, 4.44); Calibrated: 8/17/2018, ConvF(4.44, 4.44, 4.44); Calibrated: 8/17/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

Rear/802.11a_ch 165 Ant 1 @10mm/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.600 W/kg

Rear/802.11a_ch 165 Ant 1 @10mm/Volume Scan (36x28x12): Measurement grid: dx=4mm, dy=4mm, dz=2mm
 Reference Value = 8.695 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.155 W/kg
 Total Absorbed Power = 0.0272 W
 Maximum value of SAR (measured) = 0.696 W/kg



0 dB = 0.696 W/kg = -1.57 dBW/kg

Wi-Fi 5.8 GHz_Hotspot

Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5785$ MHz; $\sigma = 6.194$ S/m; $\epsilon_r = 46.605$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN7463; ConvF(4.17, 4.17, 4.17); Calibrated: 7/20/2018, ConvF(4.17, 4.17, 4.17); Calibrated: 7/20/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

Rear/802.11a_ch 157 Ant 2 @10mm DGTD/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm

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

Rear/802.11a_ch 157 Ant 2 @10mm DGTD/Volume Scan (36x28x12): Measurement grid: dx=4mm, dy=4mm, dz=2mm

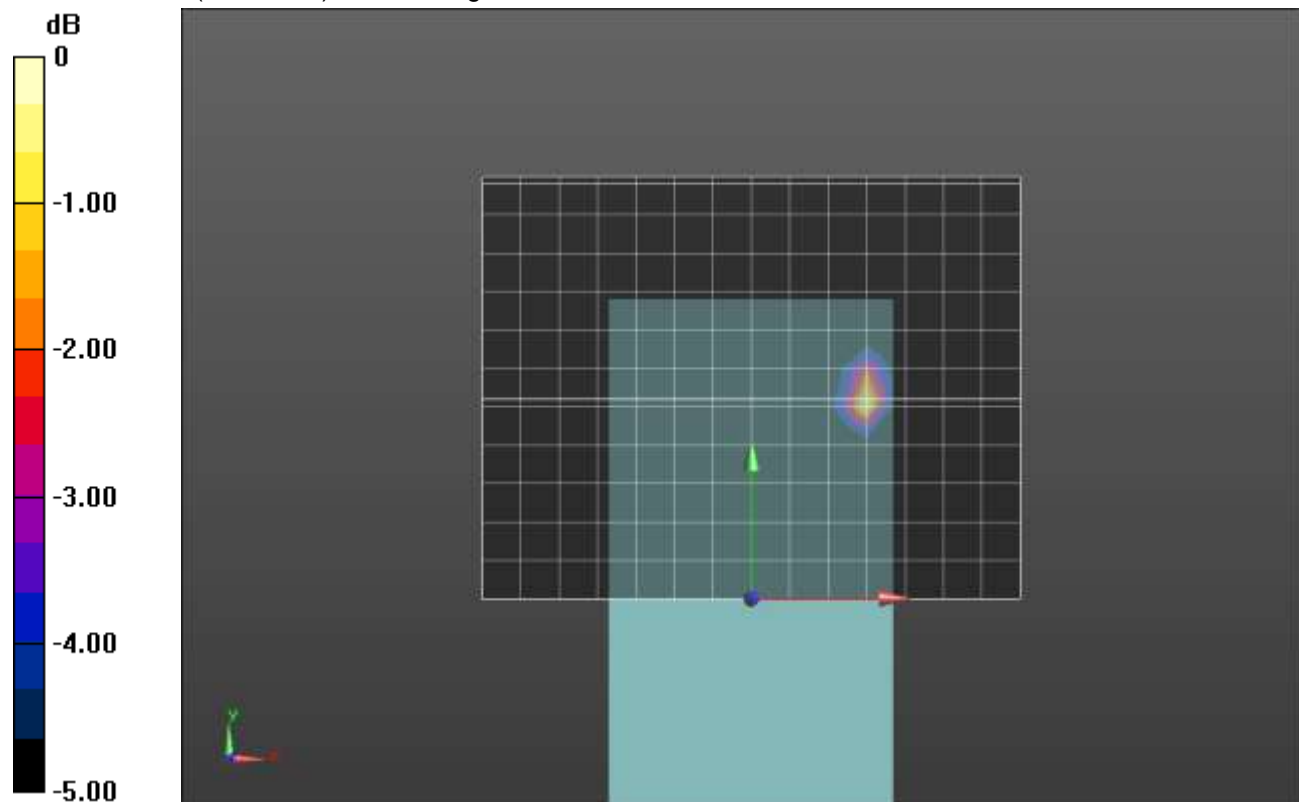
Reference Value = 10.83 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.104 W/kg

Total Absorbed Power = 0.00194 W

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



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

Multi-Band Average SAR

Multi-Band Configurations:

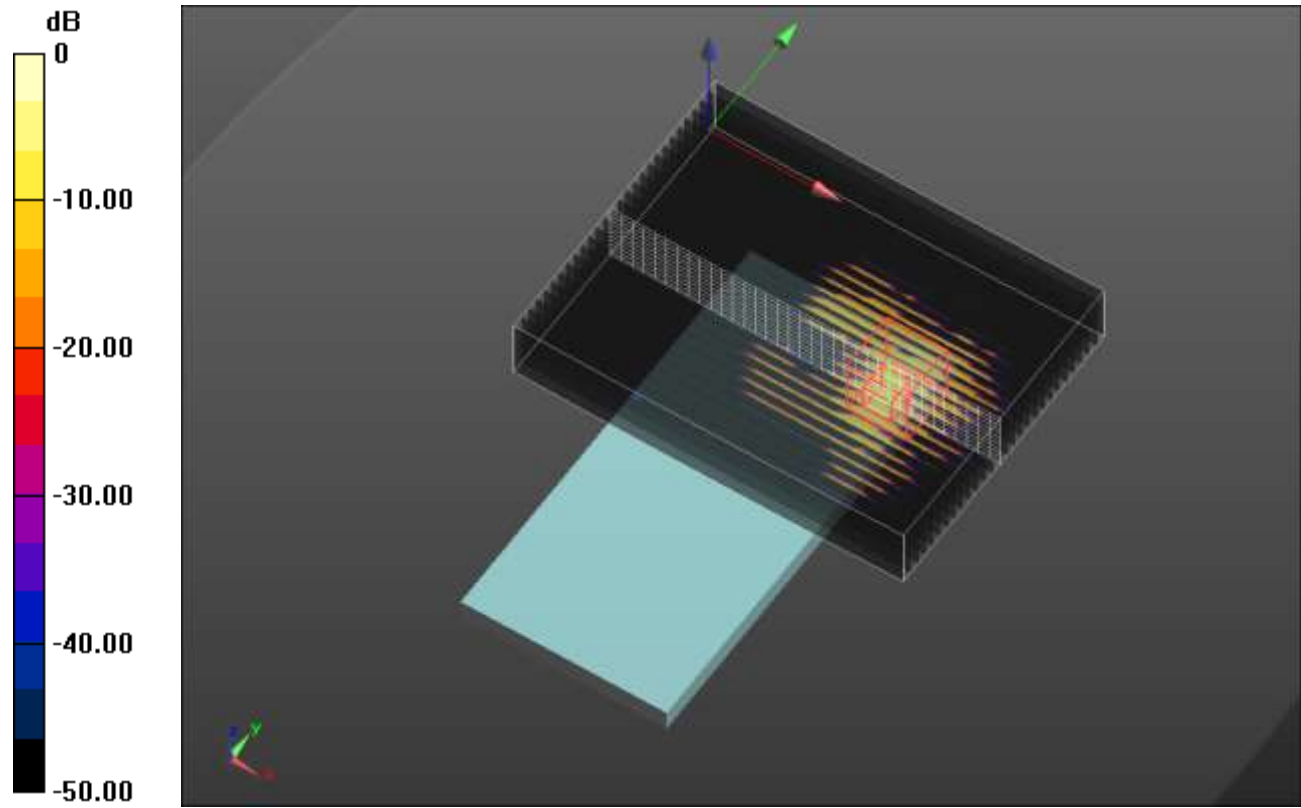
DASY Configuration for Rear/802.11a_ch 165 Ant 1 @10mm/Volume Scan:

DASY Configuration for Rear/802.11a_ch 157 Ant 2 @10mm DGTD/Volume Scan:

Multi Band Result:

SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (interpolated) = 2.54 W/kg



0 dB = 2.54 W/kg = 4.05 dBW/kg

Wi-Fi 5.8 GHz

Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

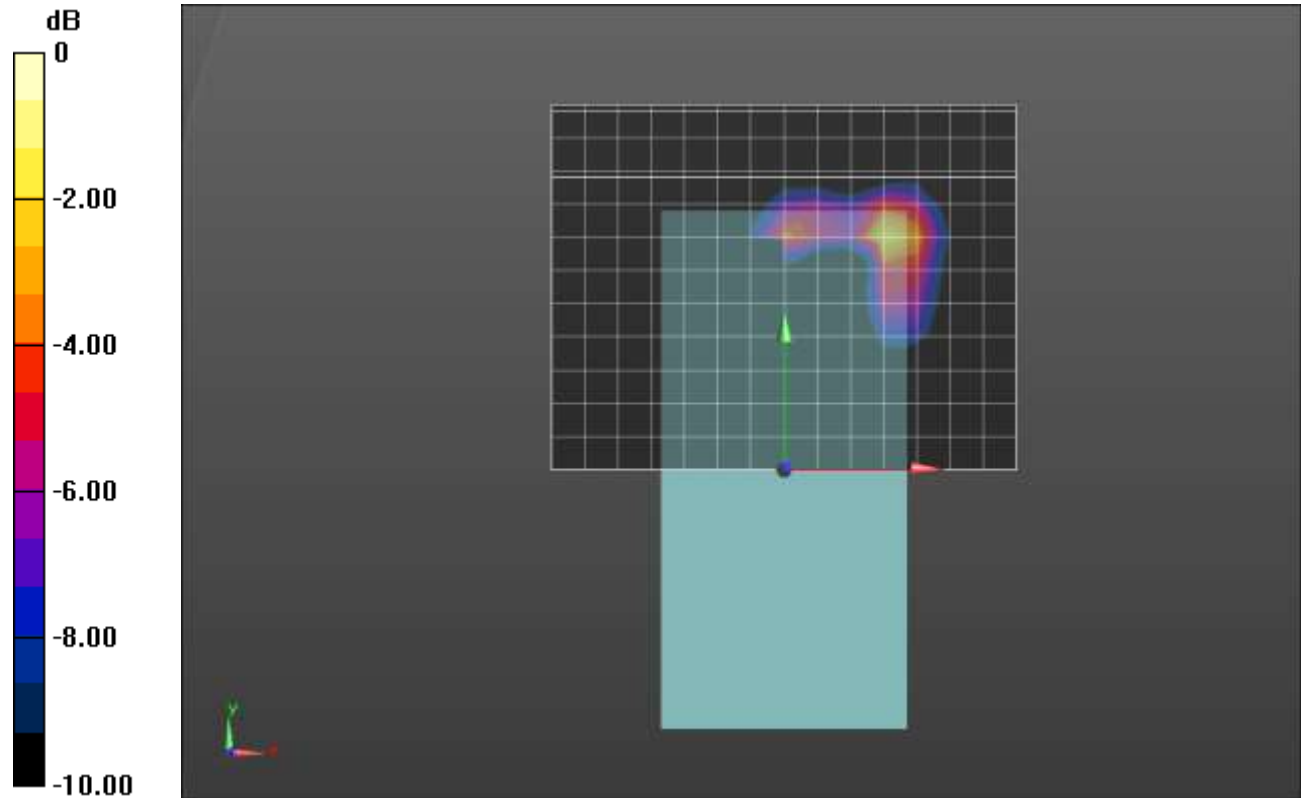
Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.158 \text{ S/m}$; $\epsilon_r = 46.365$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN7463; ConvF(4.17, 4.17, 4.17); Calibrated: 7/20/2018, ConvF(4.17, 4.17, 4.17); Calibrated: 7/20/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

Rear/802.11a_ch 165 Ant 1 @10mm/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.360 W/kg

Rear/802.11a_ch 165 Ant 1 @10mm/Volume Scan (36x28x12): Measurement grid: dx=4mm, dy=4mm, dz=2mm
 Reference Value = 6.669 V/m; Power Drift = 0.12 dB
 Peak SAR (extrapolated) = 0.843 W/kg
SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.037 W/kg
 Total Absorbed Power = 0.00102 W
 Maximum value of SAR (measured) = 0.491 W/kg



0 dB = 0.491 W/kg = -3.09 dBW/kg

Wi-Fi 5.8 GHz

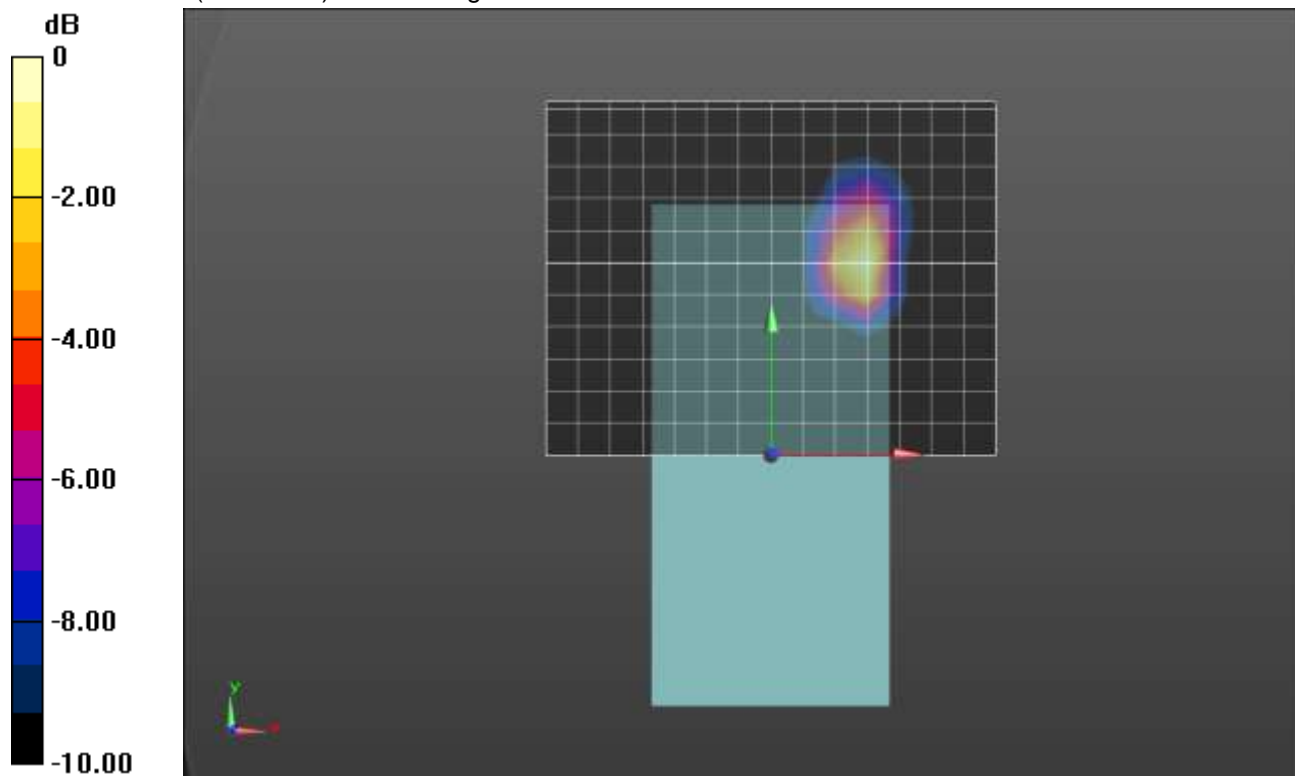
Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.153 \text{ S/m}$; $\epsilon_r = 46.099$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1548; Calibrated: 5/3/2018
- Probe: EX3DV4 - SN3990; ConvF(4.44, 4.44, 4.44); Calibrated: 8/17/2018, ConvF(4.44, 4.44, 4.44); Calibrated: 8/17/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

Rear/802.11a_ch 157 Ant 2 @10mm/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 2.14 W/kg

Rear/802.11a_ch 157 Ant 2 @10mm/Volume Scan (36x28x12): Measurement grid: dx=4mm, dy=4mm, dz=2mm
 Reference Value = 16.46 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 4.51 W/kg
SAR(1 g) = 0.973 W/kg; SAR(10 g) = 0.337 W/kg
 Total Absorbed Power = 0.0276 W
 Maximum value of SAR (measured) = 2.29 W/kg



0 dB = 2.29 W/kg = 3.60 dBW/kg

Multi-Band Average SAR

Multi-Band Configurations:

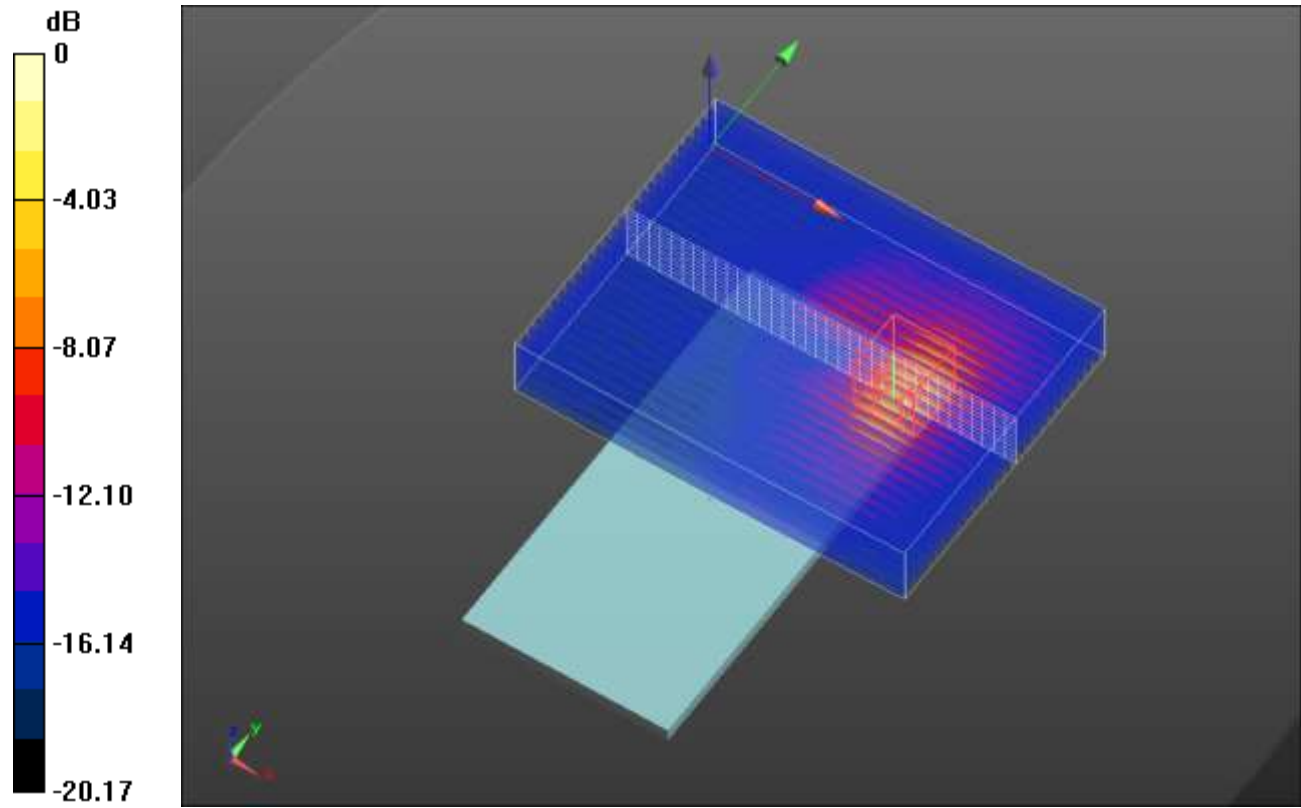
DASY Configuration for Rear/802.11a_ch 165 Ant 1 @10mm/Volume Scan:

DASY Configuration for Rear/802.11a_ch 157 Ant 2 @10mm/Volume Scan:

Multi Band Result:

SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.541 W/kg

Maximum value of SAR (interpolated) = 5.56 W/kg



0 dB = 5.56 W/kg = 7.45 dBW/kg

Wi-Fi 5.6 GHz_Product Specific

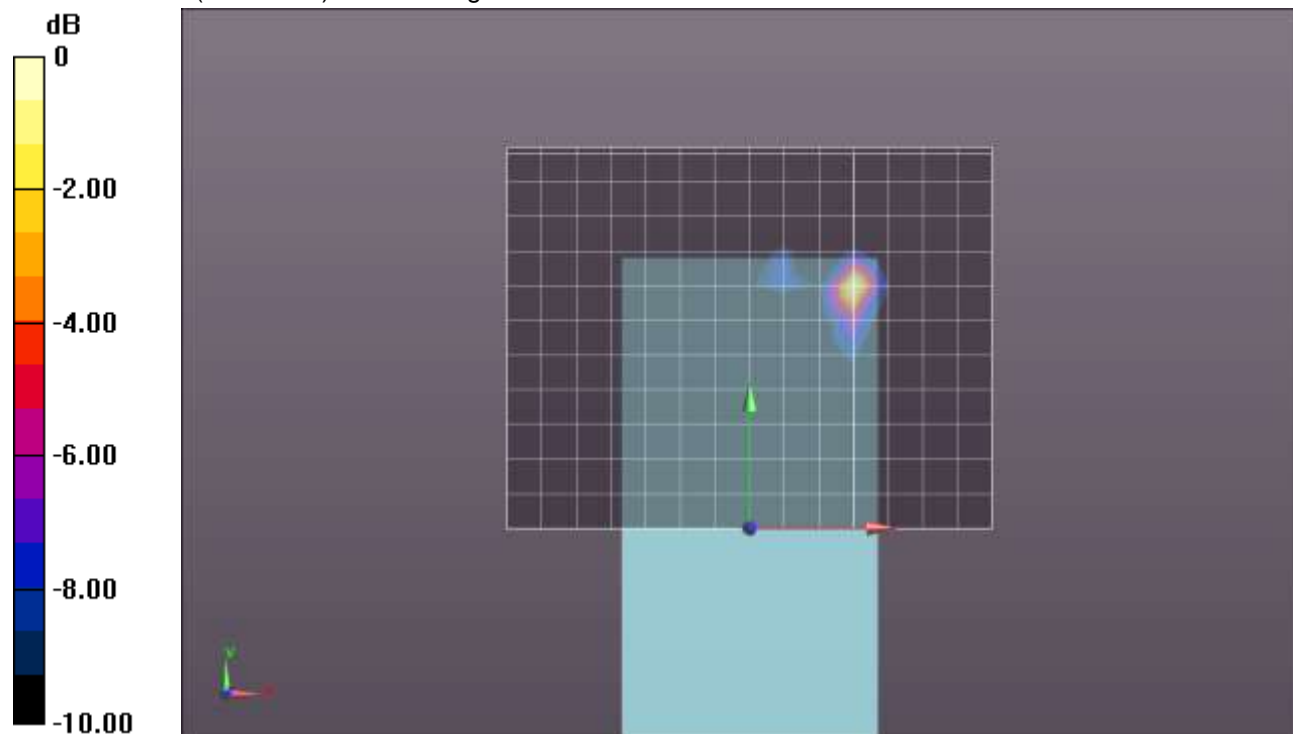
Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5620 \text{ MHz}$; $\sigma = 5.953 \text{ S/m}$; $\epsilon_r = 47.765$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Probe: EX3DV4 - SN7498; ConvF(4.17, 4.17, 4.17); Calibrated: 5/4/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1121

Rear/802.11a_ch 124 Ant 1 @0mm/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 9.23 W/kg

Rear/802.11a_ch 124 Ant 1 @0mm/Volume Scan (36x28x12): Measurement grid: dx=4mm, dy=4mm, dz=2mm
 Reference Value = 34.764 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 16.1 W/kg
SAR(1 g) = 2.8 W/kg; SAR(10 g) = 0.619 W/kg
 Total Absorbed Power = 0.0150 W
 Maximum value of SAR (measured) = 8.98 W/kg



0 dB = 8.98 W/kg = 9.53 dBW/kg

Wi-Fi 5.3 GHz_Product Specific

Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.555 \text{ S/m}$; $\epsilon_r = 48.196$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Probe: EX3DV4 - SN3773; ConvF(4.28, 4.28, 4.28); Calibrated: 4/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

Rear/802.11a_ch 52 Ant 2 @0mm/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 56.1 W/kg

Rear/802.11a_ch 52 Ant 2 @0mm/Volume Scan (36x28x12): Measurement grid: dx=4mm, dy=4mm, dz=2mm

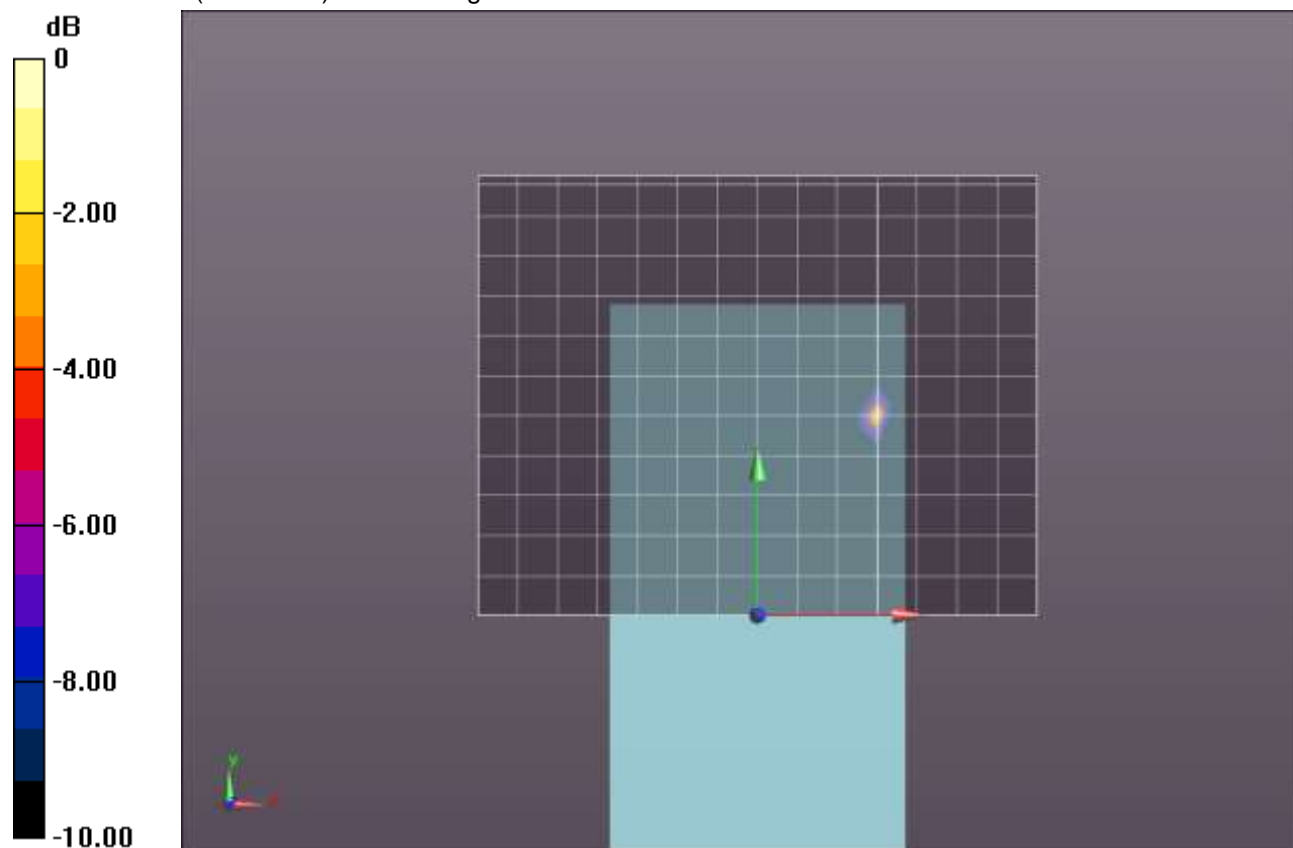
Reference Value = 85.49 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 138 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 1.93 W/kg

Total Absorbed Power = 0.0222 W

Maximum value of SAR (measured) = 54.3 W/kg



0 dB = 54.3 W/kg = 17.35 dBW/kg

Multi-Band Average SAR

Multi-Band Configurations:

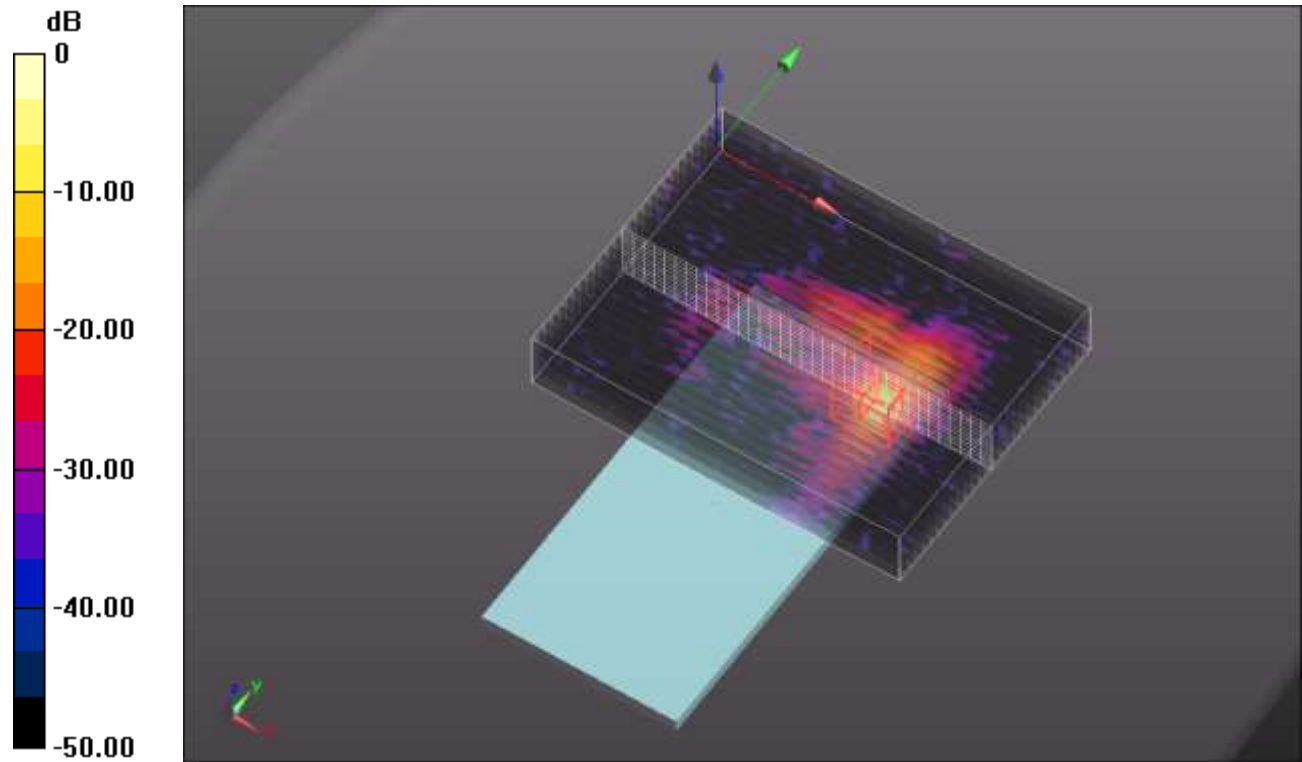
DASY Configuration for Rear/802.11a_ch 124 Ant 1 @0mm/Volume Scan:

DASY Configuration for Rear/802.11a_ch 52 Ant 2 @0mm/Volume Scan:

Multi Band Result:

SAR(1 g) = 14.2 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (interpolated) = 87.8 W/kg



0 dB = 87.8 W/kg = 19.43 dBW/kg

Wi-Fi 5.6 GHz CH 144

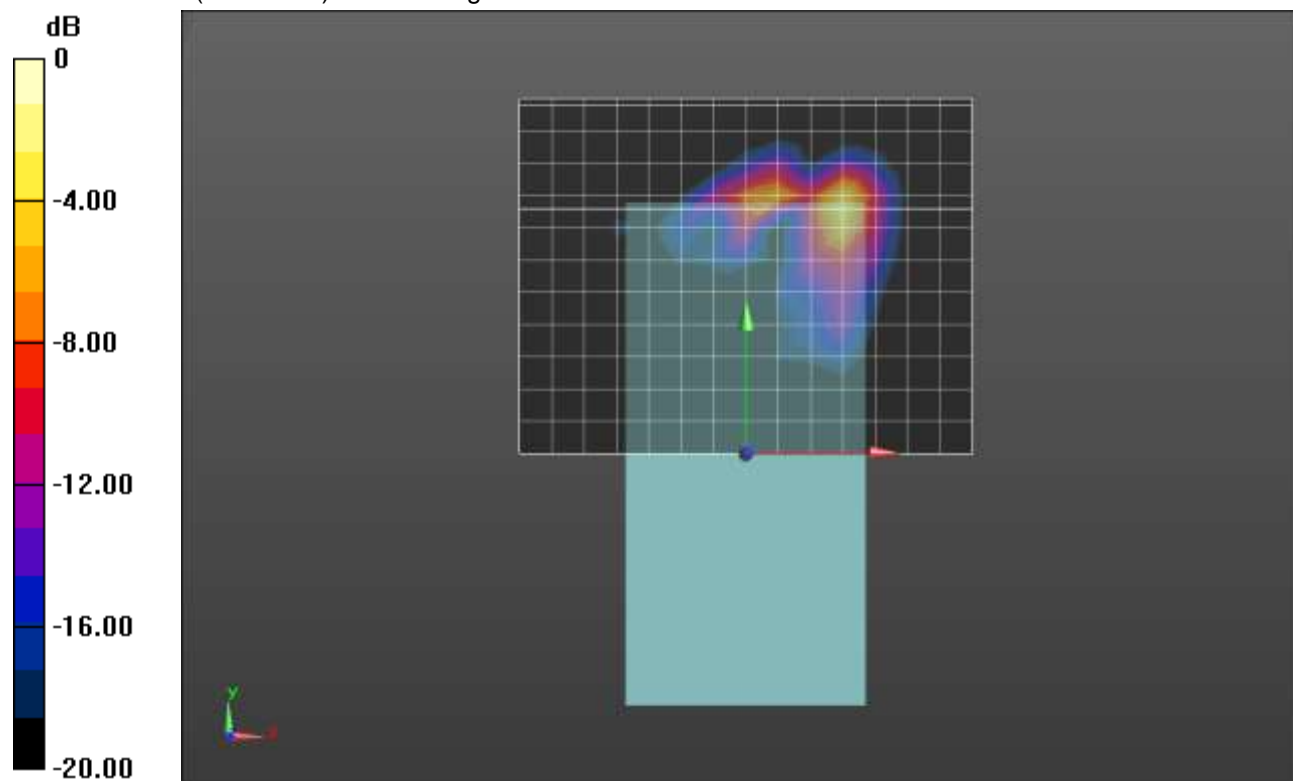
Frequency: 5720 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5720 \text{ MHz}$; $\sigma = 5.952 \text{ S/m}$; $\epsilon_r = 46.704$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1239; Calibrated: 7/11/2018
- Probe: EX3DV4 - SN7482; ConvF(4.19, 4.19, 4.19); Calibrated: 7/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1247

Rear/802.11a_ch 144 Ant 1 @0mm_A1YW/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 5.72 W/kg

Rear/802.11a_ch 144 Ant 1 @0mm_A1YW/Volume Scan (36x28x12): Measurement grid: dx=4mm, dy=4mm, dz=2mm
 Reference Value = 26.58 V/m; Power Drift = 0.10 dB
 Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 2.47 W/kg; SAR(10 g) = 0.537 W/kg
 Total Absorbed Power = 0.0133 W
 Maximum value of SAR (measured) = 8.28 W/kg



0 dB = 8.28 W/kg = 9.18 dBW/kg

Wi-Fi 5.3

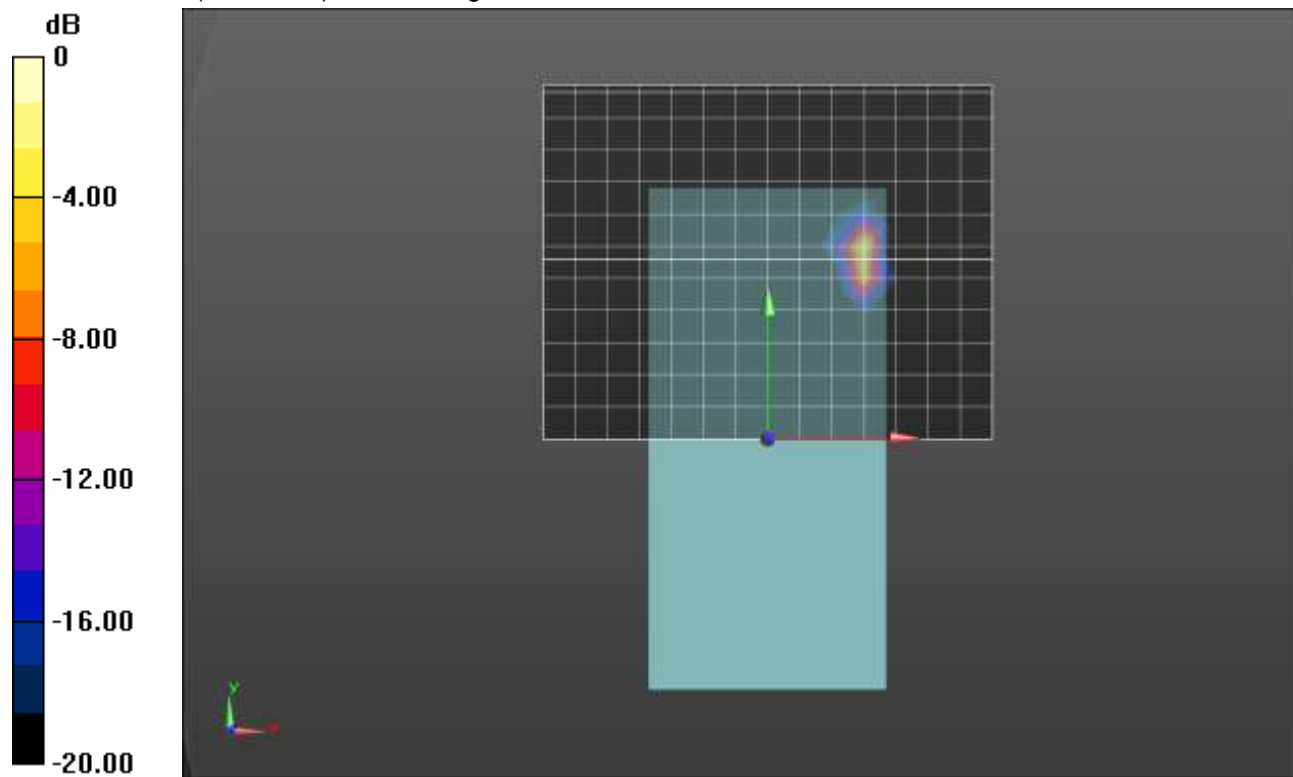
Frequency: 5280 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5280$ MHz; $\sigma = 5.365$ S/m; $\epsilon_r = 49.345$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1540; Calibrated: 2/23/2018
- Probe: EX3DV4 - SN3885; ConvF(4.33, 4.33, 4.33); Calibrated: 9/18/2018, ConvF(4.33, 4.33, 4.33); Calibrated: 9/18/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1099

Rear/802.11a_ch 56 Ant 2_0mm_Product Specific_A1YX/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 41.0 W/kg

Rear/802.11a_ch 56 Ant 2_0mm_Product Specific_A1YX/Volume Scan (36x28x12):
Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 78.10 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 164 W/kg
SAR(1 g) = 18.7 W/kg; SAR(10 g) = 3.01 W/kg
Total Absorbed Power = 0.0483 W
Maximum value of SAR (measured) = 63.1 W/kg



0 dB = 63.1 W/kg = 18.00 dBW/kg

Multi-Band Average SAR

Multi-Band Configurations:

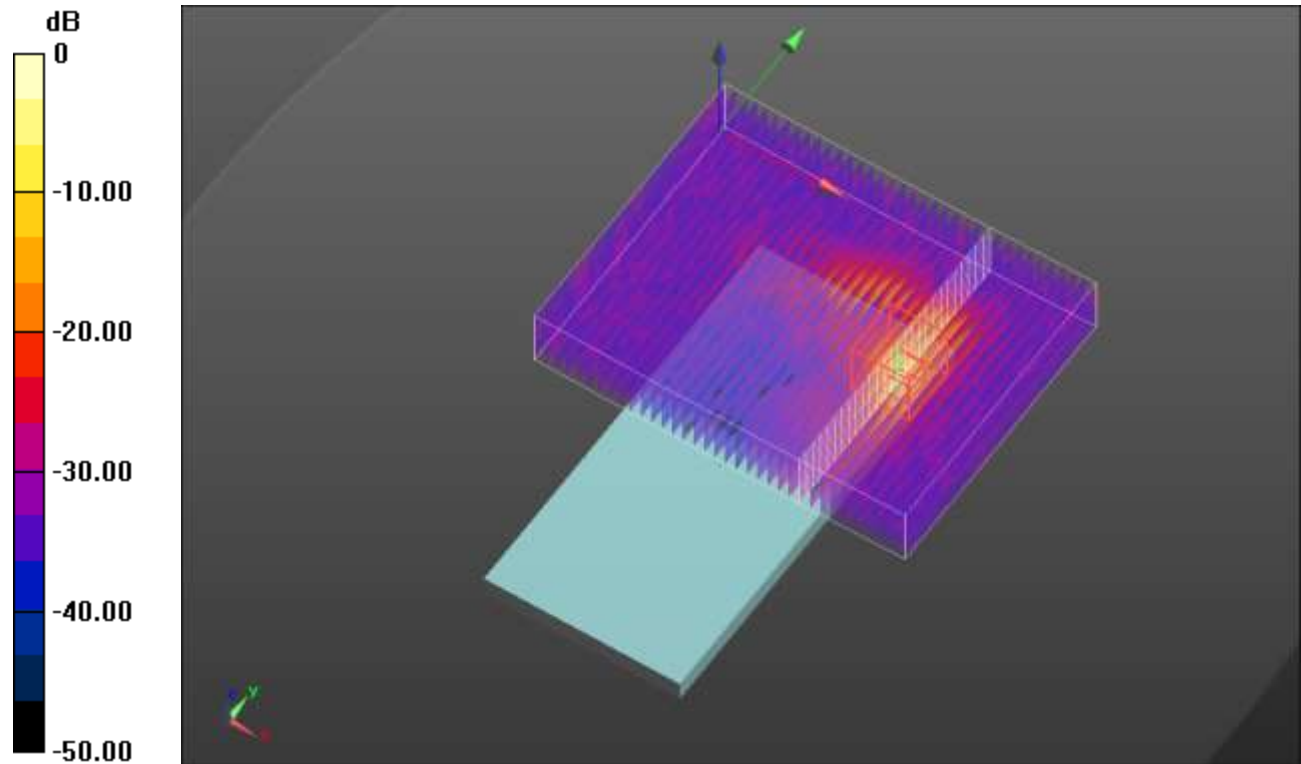
DASY Configuration for Rear/802.11a_ch 144 Ant 1 @0mm /Volume Scan:

DASY Configuration for Rear/802.11a_ch 56 Ant 2_0mm/Volume Scan:

Multi Band Result:

SAR(1 g) = 21 W/kg; SAR(10 g) = 3.52 W/kg

Maximum value of SAR (interpolated) = 102 W/kg



0 dB = 102 W/kg = 20.09 dBW/kg

Wi-Fi 5.6 GHz

Frequency: 5610 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5610$ MHz; $\sigma = 5.915$ S/m; $\epsilon_r = 47.97$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN7463; ConvF(3.9, 3.9, 3.9); Calibrated: 7/20/2018, ConvF(3.9, 3.9, 3.9); Calibrated: 7/20/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

Rear/802.11ac_VHT80_ch 122 Ant 1 @0mm/Area Scan (15x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.02 W/kg

Rear/802.11ac_VHT80_ch 122 Ant 1 @0mm/Volume Scan (36x28x12): Measurement grid:

dx=4mm, dy=4mm, dz=2mm

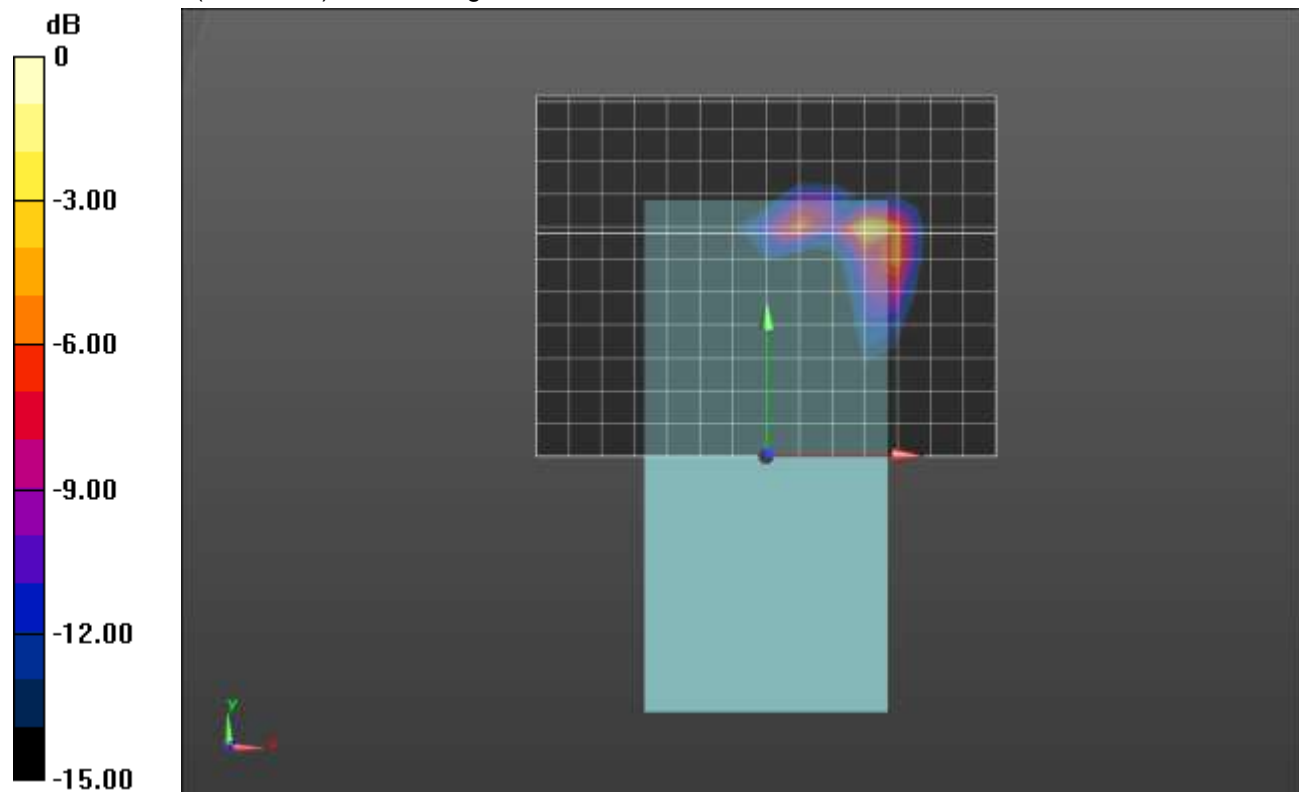
Reference Value = 16.88 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 6.68 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.242 W/kg

Total Absorbed Power = 0.00476 W

Maximum value of SAR (measured) = 3.76 W/kg



0 dB = 3.76 W/kg = 5.75 dBW/kg

Wi-Fi 5.3RSDB

Frequency: 5290 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5290 \text{ MHz}$; $\sigma = 5.383 \text{ S/m}$; $\epsilon_r = 49.326$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1540; Calibrated: 2/23/2018
- Probe: EX3DV4 - SN3885; ConvF(4.33, 4.33, 4.33); Calibrated: 9/18/2018, ConvF(4.33, 4.33, 4.33); Calibrated: 9/18/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1099

Rear/802.11ac VHT80_ch 58 Ant 2_0mm_Product Specific_A1YX/Area Scan (15x12x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 26.2 W/kg

Rear/802.11ac VHT80_ch 58 Ant 2_0mm_Product Specific_A1YX/Volume Scan (36x28x12):

Measurement grid: dx=4mm, dy=4mm, dz=2mm

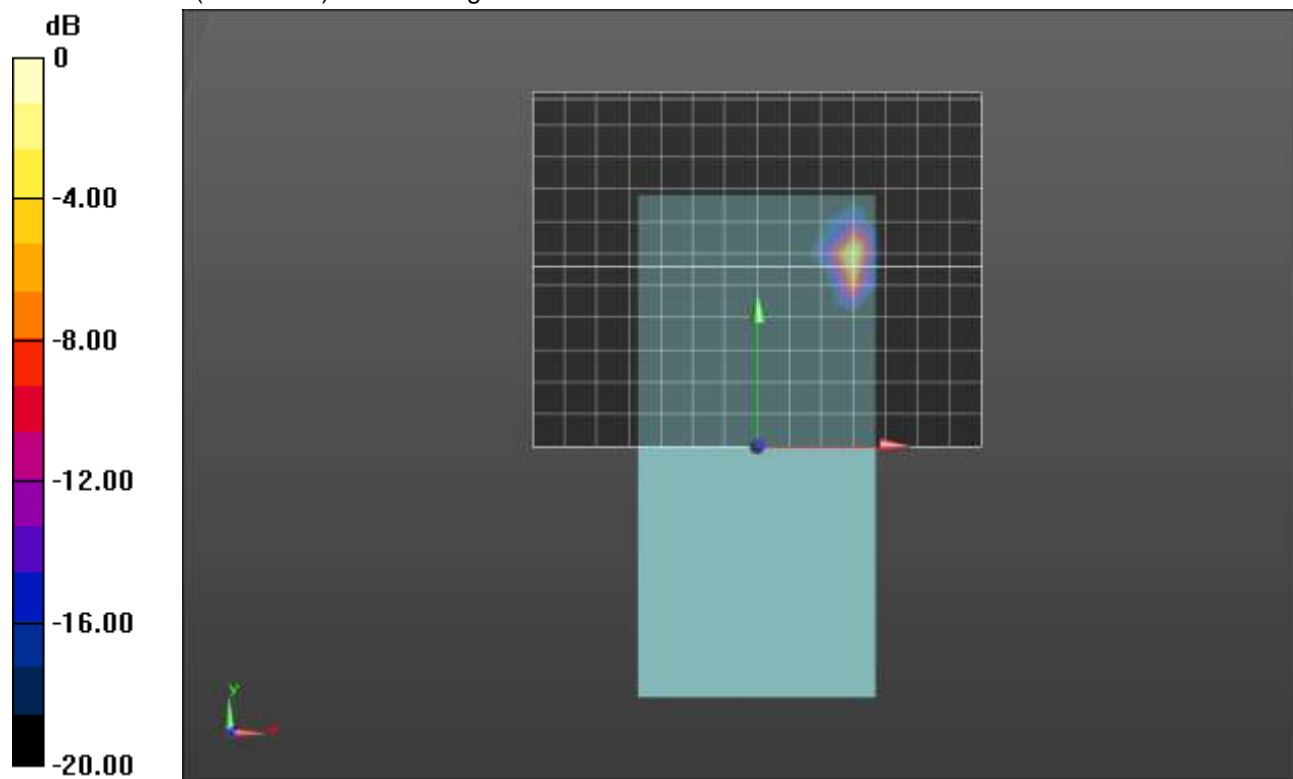
Reference Value = 59.84 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 56.4 W/kg

SAR(1 g) = 6.48 W/kg; SAR(10 g) = 1.06 W/kg

Total Absorbed Power = 0.0247 W

Maximum value of SAR (measured) = 27.2 W/kg



0 dB = 27.2 W/kg = 14.35 dBW/kg

Multi-Band Average SAR

Multi-Band Configurations:

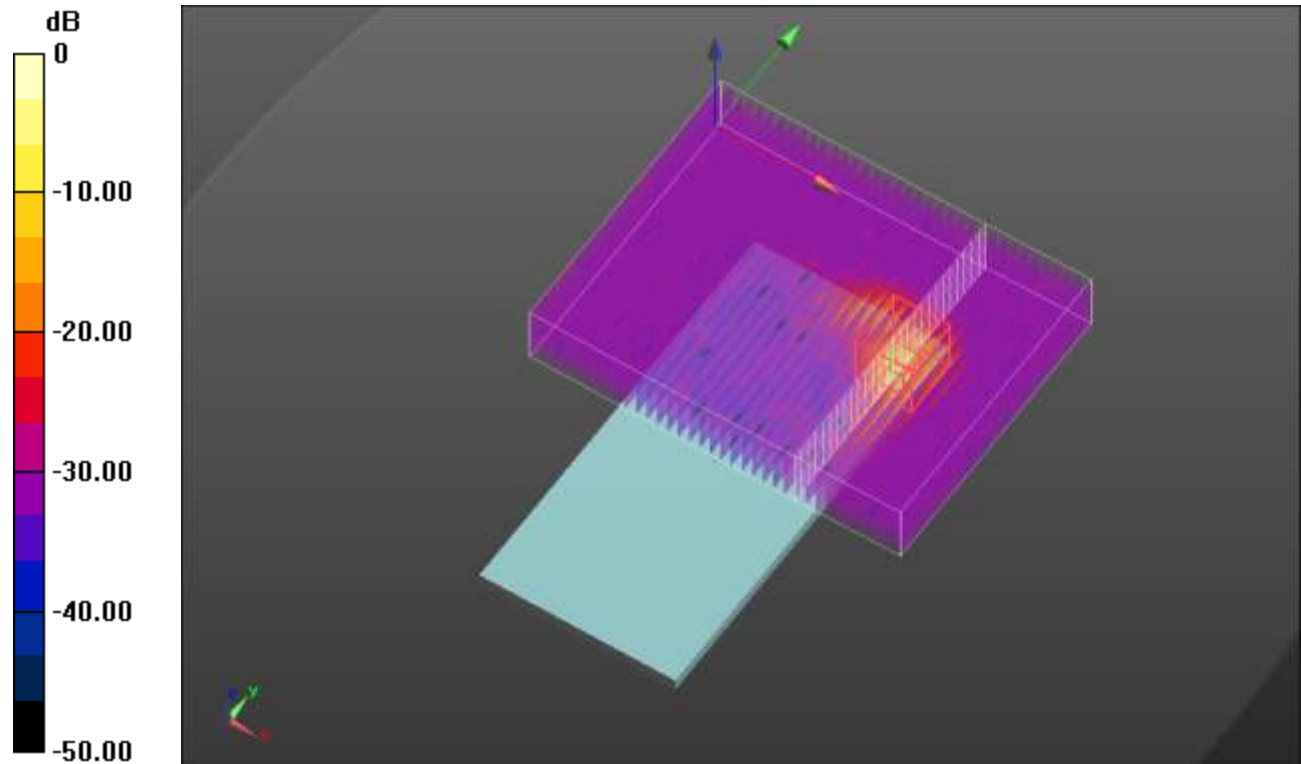
DASY Configuration for Rear/802.11ac_VHT80_ch 122 Ant 1 @0mm/Volume Scan:

DASY Configuration for Rear/802.11ac VHT80_ch 58 Ant 2_0mm_Product Specific_A1YX/Volume Scan:

Multi Band Result:

SAR(1 g) = 11.2 W/kg; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (interpolated) = 80.9 W/kg



0 dB = 80.9 W/kg = 19.08 dBW/kg