

Wi-Fi 2.4GHz FCC

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.017$ S/m; $\epsilon_r = 50.301$; $\rho = 1000$ 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 Sn1544; Calibrated: 3/19/2019
- Probe: EX3DV4 - SN3885; ConvF(7.39, 7.39, 7.39) @ 2437 MHz; Calibrated: 9/18/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI Front; Type: QDOVA002AA; Serial: TP:2085

Rear/802.11b 1Mbps_Ch 6_Chain 0/Area Scan (8x26x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Rear/802.11b 1Mbps_Ch 6_Chain 0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

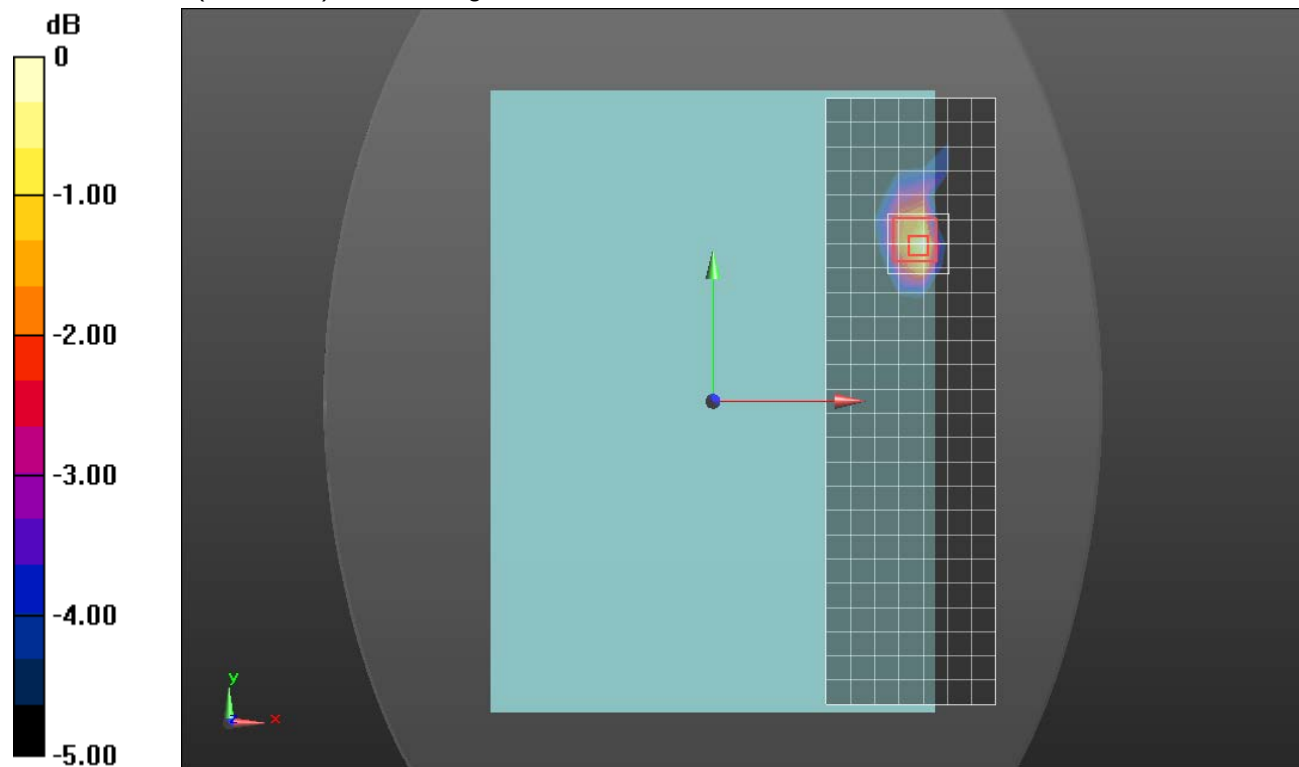
Reference Value = 20.92 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.640 W/kg; SAR(10 g) = 0.327 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



0 dB = 1.07 W/kg = 0.29 dBW/kg

Wi-Fi 2.4GHz FCC

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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 Sn1544; Calibrated: 3/19/2019
- Probe: EX3DV4 - SN3885; ConvF(7.39, 7.39, 7.39) @ 2437 MHz; Calibrated: 9/18/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI Front; Type: QDOVA002AA; Serial: TP:2085

Rear/802.11b 1Mbps_Ch 6_Chain 1/Area Scan (8x26x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Rear/802.11b 1Mbps_Ch 6_Chain 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

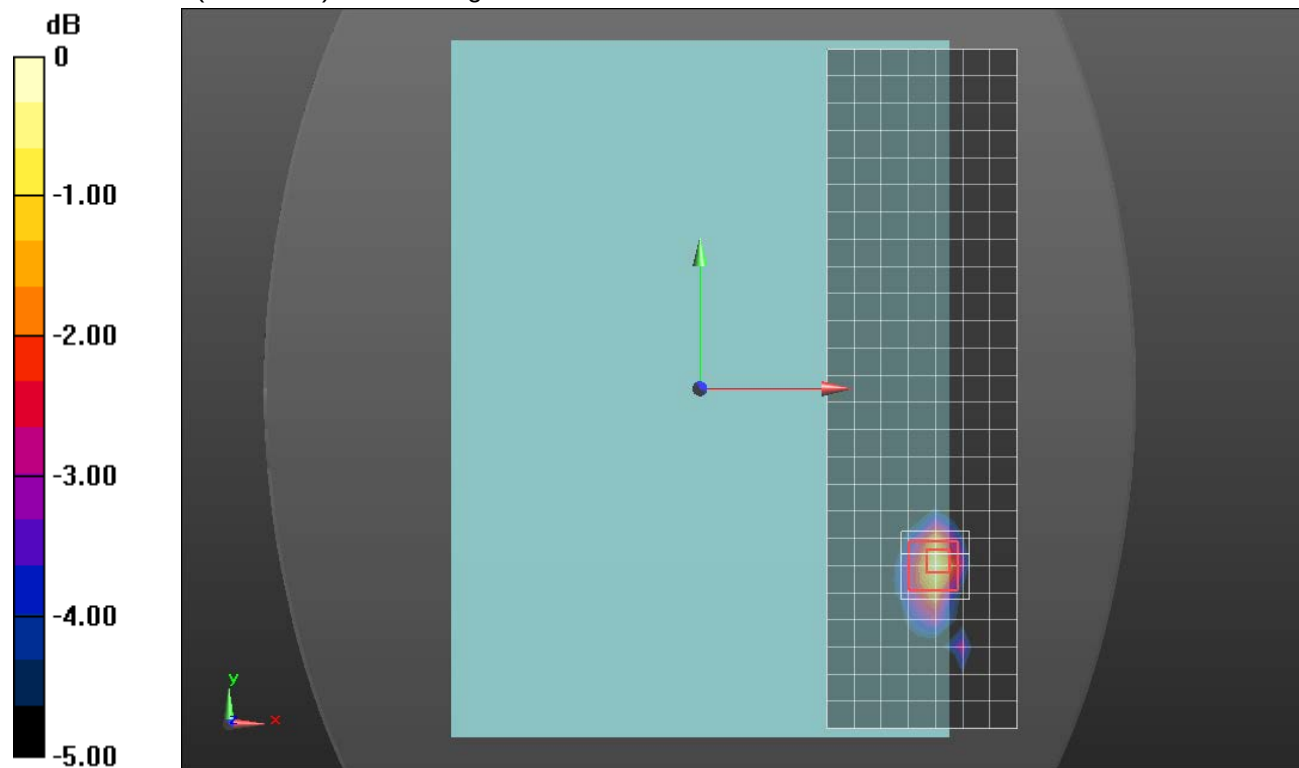
Reference Value = 22.17 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.358 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg

Wi-Fi 5.3GHz FCC

Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.555$ S/m; $\epsilon_r = 46.71$; $\rho = 1000$ 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 Sn1239; Calibrated: 7/10/2019
- Probe: EX3DV4 - SN3991; ConvF(4.56, 4.56, 4.56) @ 5260 MHz; Calibrated: 7/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1216

Rear/802.11n HT20_Ch 52_Chain 0/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.41 W/kg

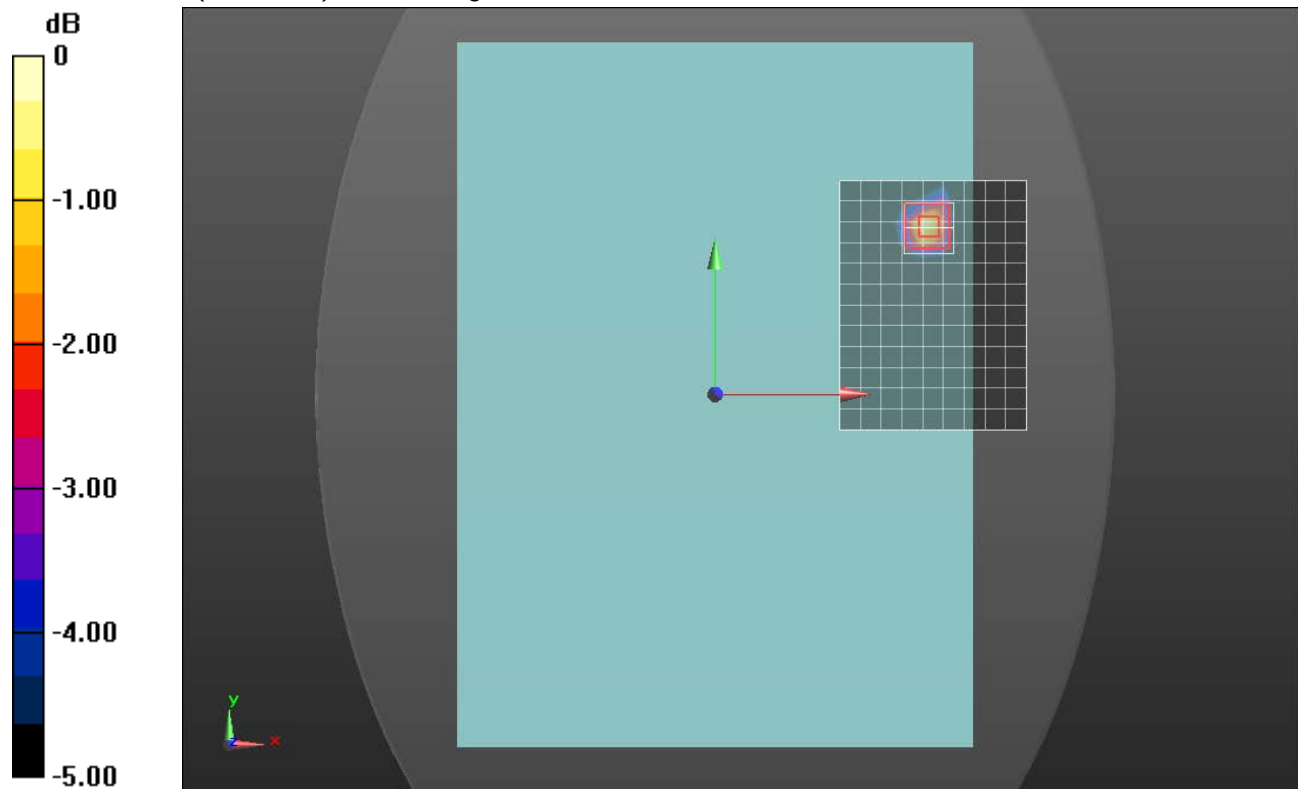
Rear/802.11n HT20_Ch 52_Chain 0/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.52 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

Wi-Fi 5.3GHz FCC

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.632$ S/m; $\epsilon_r = 46.611$; $\rho = 1000$ 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 Sn1239; Calibrated: 7/10/2019
- Probe: EX3DV4 - SN3991; ConvF(4.56, 4.56, 4.56) @ 5320 MHz; Calibrated: 7/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1216

Rear/802.11n HT20_Ch 64_Chain 1 Repeated/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.14 W/kg

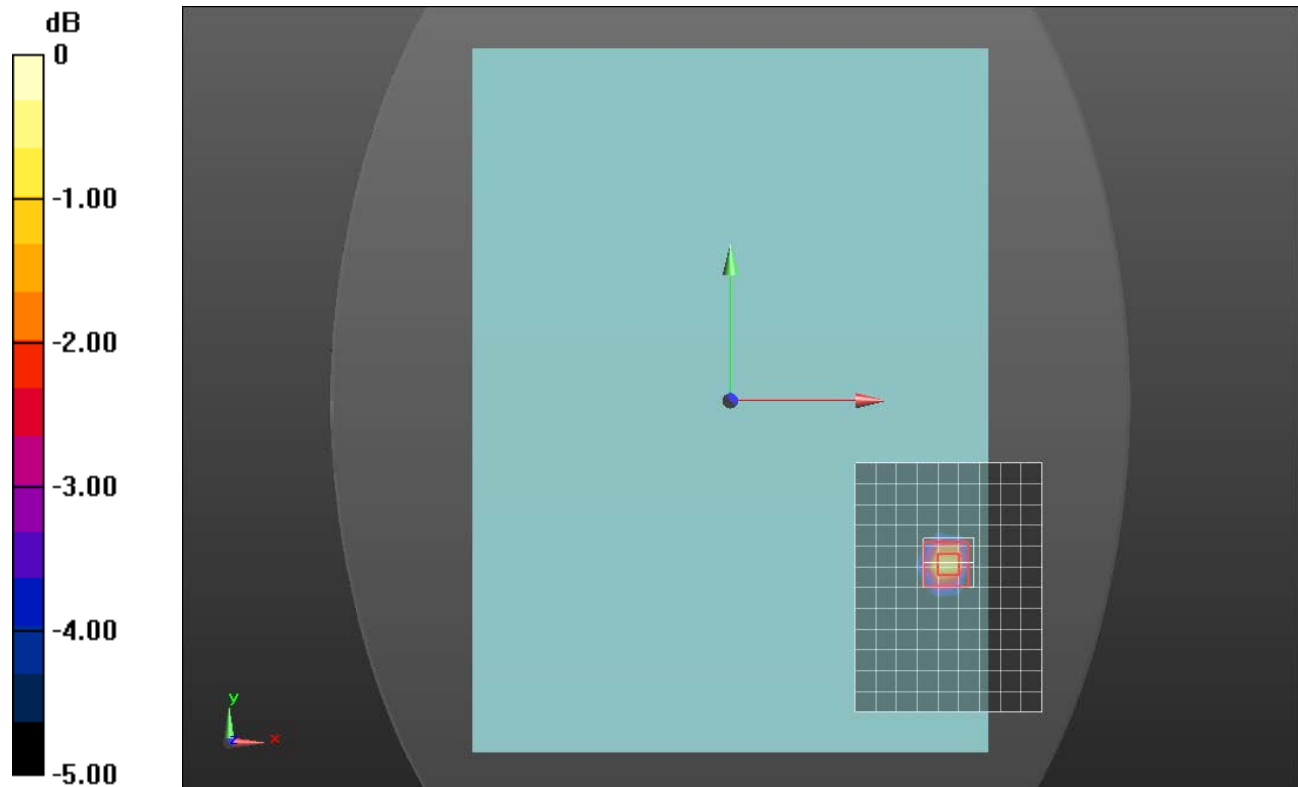
Rear/802.11n HT20_Ch 64_Chain 1 Repeated/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.33 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.07 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.366 W/kg

Maximum value of SAR (measured) = 2.48 W/kg



0 dB = 2.48 W/kg = 3.94 dBW/kg

Wi-Fi 5.6GHz FCC

Frequency: 5570 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5570$ MHz; $\sigma = 5.49$ S/m; $\epsilon_r = 48.206$; $\rho = 1000$ 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 Sn1472; Calibrated: 3/21/2019
- Probe: EX3DV4 - SN7500; ConvF(4.13, 4.13, 4.13) @ 5570 MHz; Calibrated: 4/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot (Back); Type: QD OVA 002 AA; Serial: 1248

Rear/802.11ax HE160_242T_S64_Ch 114_Chain 0/Area Scan (10x13x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.39 W/kg

Rear/802.11ax HE160_242T_S64_Ch 114_Chain 0/Zoom Scan (7x7x12)/Cube 0:

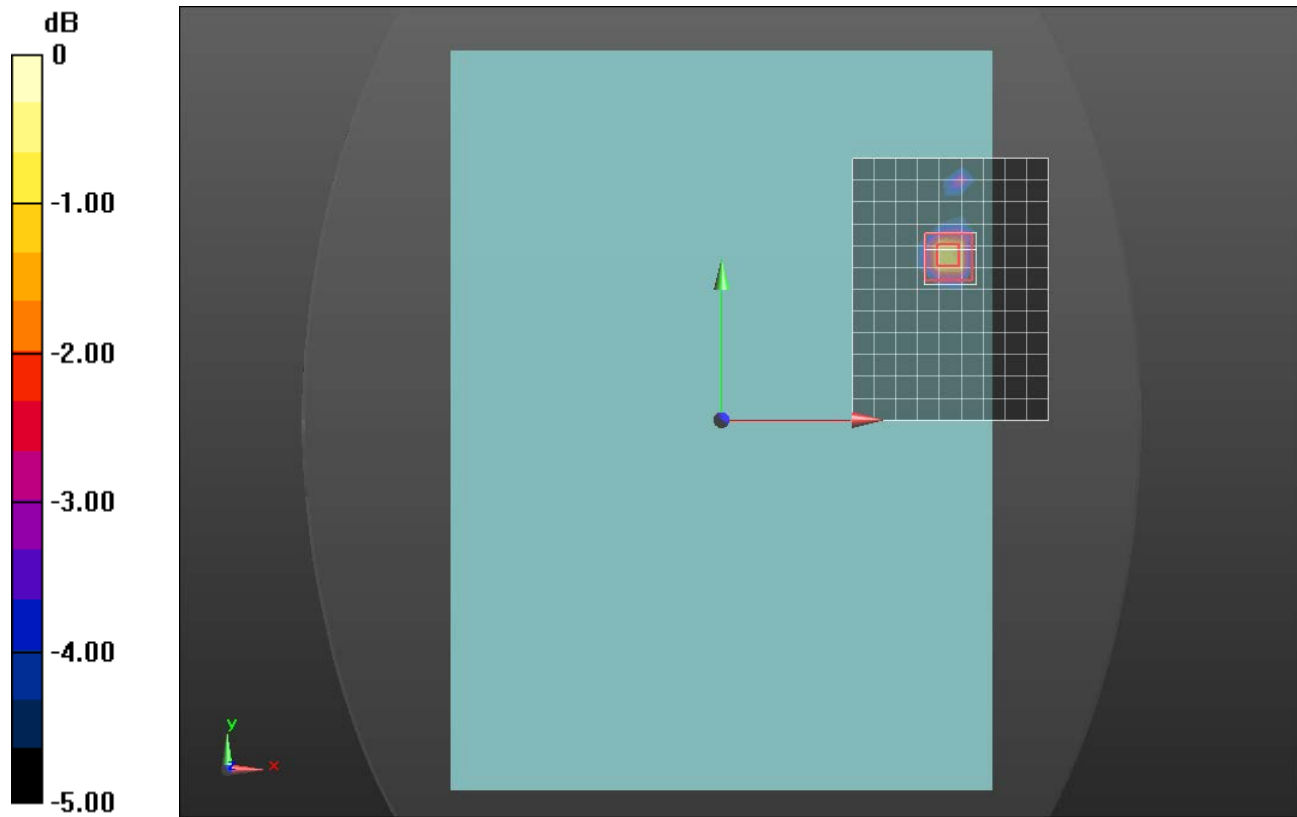
Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 18.59 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 5.30 W/kg

SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.455 W/kg

Maximum value of SAR (measured) = 3.01 W/kg



0 dB = 3.01 W/kg = 4.79 dBW/kg

Wi-Fi 5.6GHz FCC

Frequency: 5570 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5570$ MHz; $\sigma = 5.49$ S/m; $\epsilon_r = 48.206$; $\rho = 1000$ 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 Sn1472; Calibrated: 3/21/2019
- Probe: EX3DV4 - SN7500; ConvF(4.13, 4.13, 4.13) @ 5570 MHz; Calibrated: 4/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot (Back); Type: QD OVA 002 AA; Serial: 1248

Rear/802.11ax HE160_242T_S61_Ch 114_Chain 1/Area Scan (10x13x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.26 W/kg

Rear/802.11ax HE160_242T_S61_Ch 114_Chain 1/Zoom Scan (7x7x12)/Cube 0:

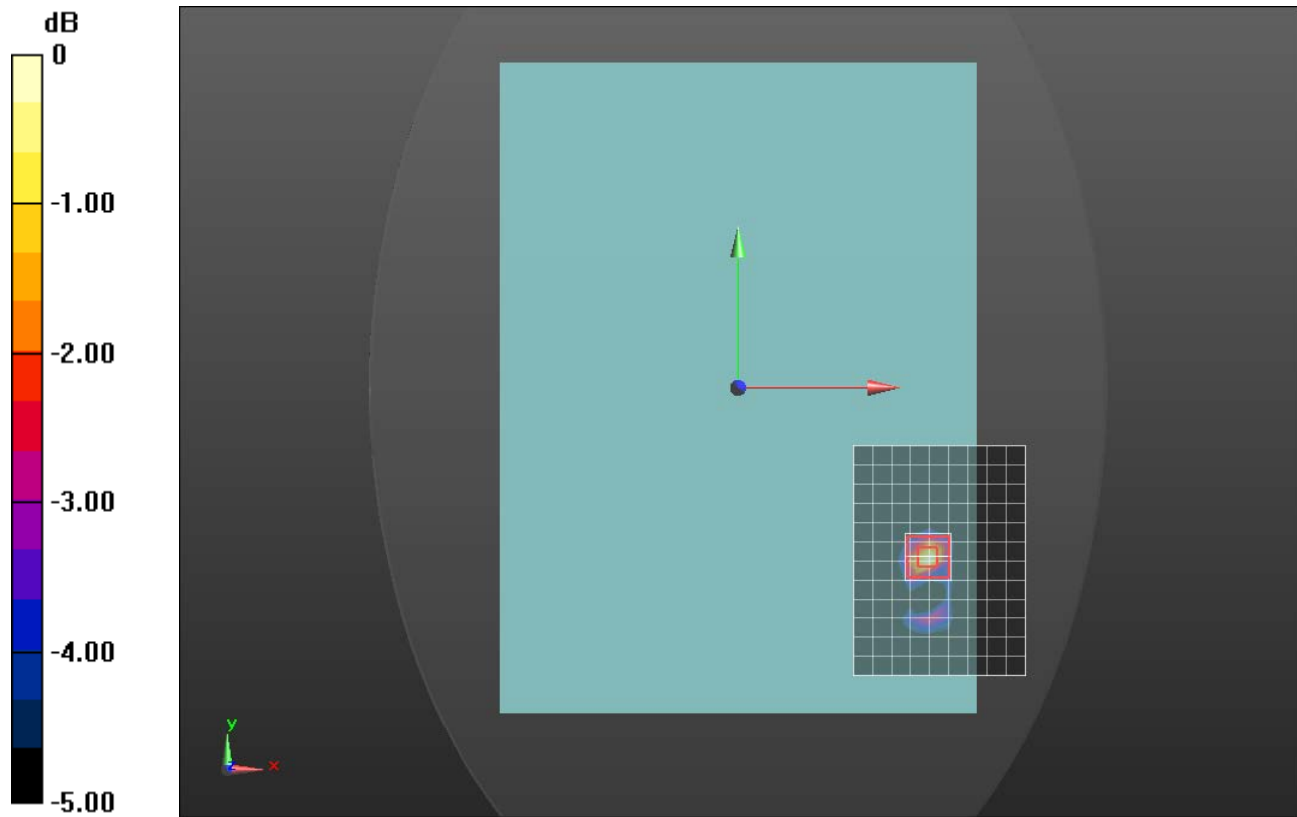
Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.45 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.495 W/kg

Maximum value of SAR (measured) = 3.16 W/kg



0 dB = 3.16 W/kg = 5.00 dBW/kg

Wi-Fi 5.6GHz FCC

Frequency: 5530 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5530$ MHz; $\sigma = 5.442$ S/m; $\epsilon_r = 48.236$; $\rho = 1000$ 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 Sn1472; Calibrated: 3/21/2019
- Probe: EX3DV4 - SN7500; ConvF(4.13, 4.13, 4.13) @ 5530 MHz; Calibrated: 4/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot (Back); Type: QD OVA 002 AA; Serial: 1248

Rear/802.11ax HE80_242T_63_Ch 106_Chain 1/Area Scan (10x13x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.05 W/kg

Rear/802.11ax HE80_242T_63_Ch 106_Chain 1/Zoom Scan (7x7x12)/Cube 0: Measurement

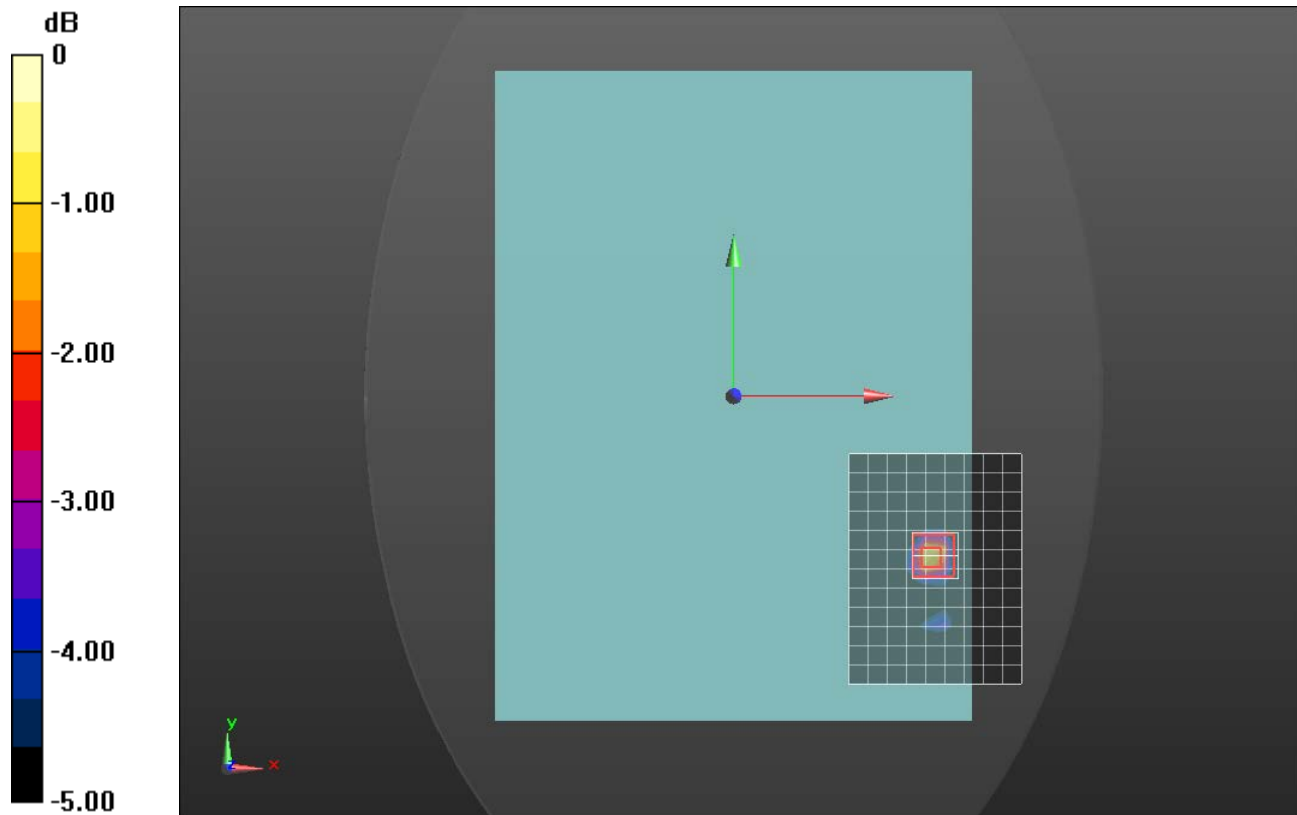
grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 18.20 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 4.75 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.395 W/kg

Maximum value of SAR (measured) = 2.55 W/kg



0 dB = 2.55 W/kg = 4.07 dBW/kg

Wi-Fi 5.8GHz FCC

Frequency: 5775 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5775$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 46.215$; $\rho = 1000$ 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 Sn1239; Calibrated: 7/10/2019
- Probe: EX3DV4 - SN3991; ConvF(4.17, 4.17, 4.17) @ 5775 MHz; Calibrated: 7/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1216

Rear/802.11ac VHT80_Ch 155_Chain 0 W/Feet/Area Scan (10x13x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.45 W/kg

Rear/802.11ac VHT80_Ch 155_Chain 0 W/Feet/Zoom Scan (7x7x12)/Cube 0: Measurement

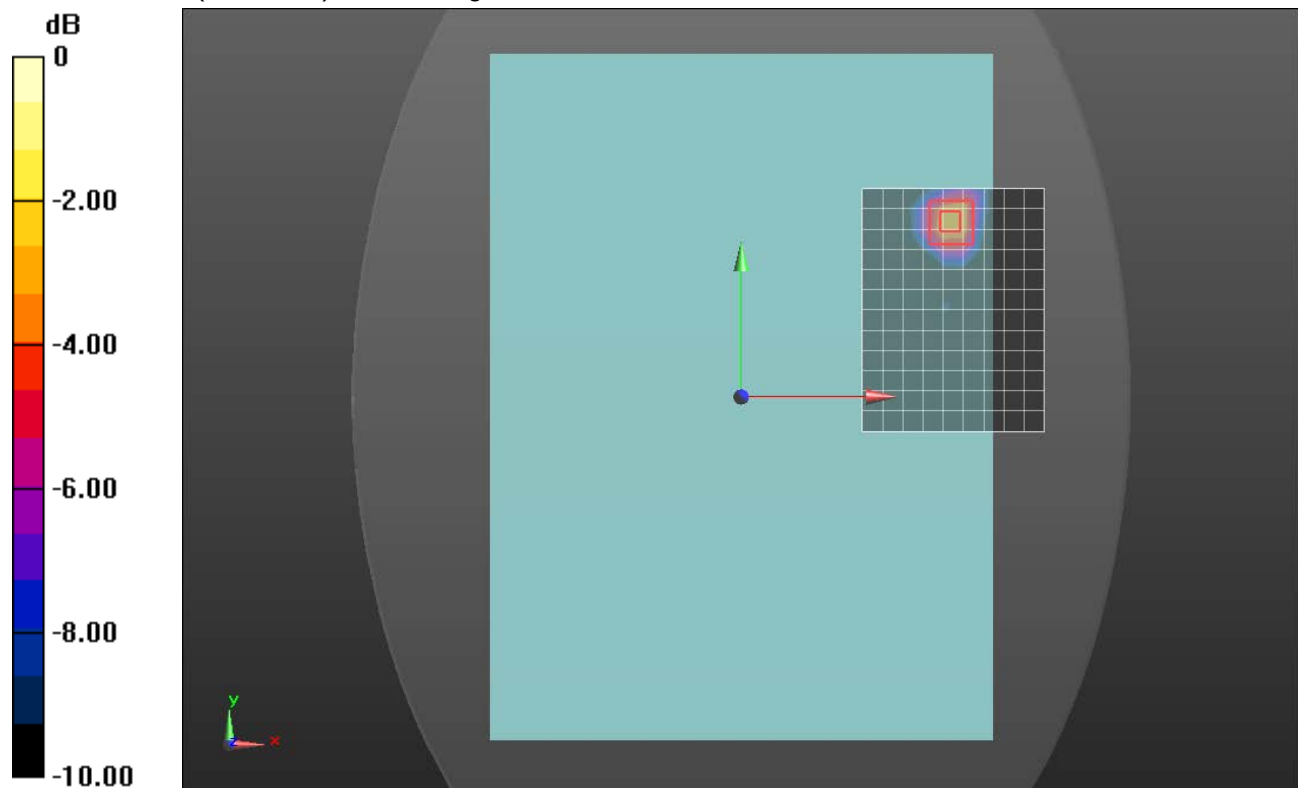
grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 17.15 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.80 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.394 W/kg

Maximum value of SAR (measured) = 2.67 W/kg



0 dB = 2.67 W/kg = 4.27 dBW/kg

Wi-Fi 5.8GHz FCC

Frequency: 5775 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5775$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 46.215$; $\rho = 1000$ 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 Sn1239; Calibrated: 7/10/2019
- Probe: EX3DV4 - SN3991; ConvF(4.17, 4.17, 4.17) @ 5775 MHz; Calibrated: 7/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1216

Rear/802.11ac VHT80_Ch 155_Chain 1 W/Feet/Area Scan (10x13x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.19 W/kg

Rear/802.11ac VHT80_Ch 155_Chain 1 W/Feet/Zoom Scan (7x7x12)/Cube 0: Measurement

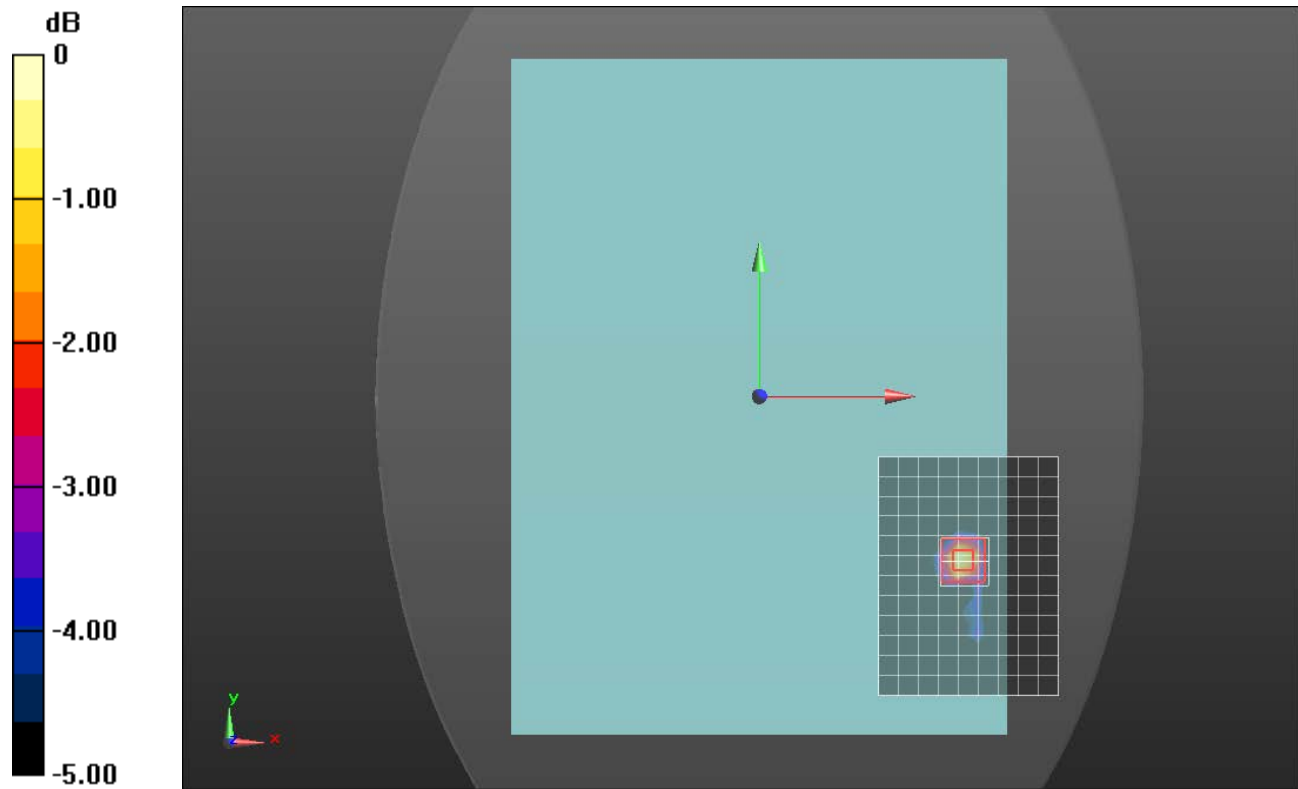
grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.77 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.66 W/kg

SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.480 W/kg

Maximum value of SAR (measured) = 3.32 W/kg



0 dB = 3.32 W/kg = 5.21 dBW/kg

Bluetooth FCC

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.022$ S/m; $\epsilon_r = 50.282$; $\rho = 1000$ 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 Sn1544; Calibrated: 3/19/2019
- Probe: EX3DV4 - SN3885; ConvF(7.39, 7.39, 7.39) @ 2441 MHz; Calibrated: 9/18/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI Front; Type: QDOVA002AA; Serial: TP:2085

Rear/GFSK DH5_ch 39/Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0168 W/kg

Rear/GFSK DH5_ch 39/Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.903 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0530 W/kg

SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00487 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0197 W/kg

