

**Wi-Fi 2.4 GHz**

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;  $\sigma = 2.234$  S/m;  $\epsilon_r = 53.494$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3751; ConvF(6.47, 6.47, 6.47); Calibrated: 11/14/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Rear/802.11b\_ch 6\_Chain 3, 1, 2/Area Scan (7x21x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.80 W/kg

**Rear/802.11b\_ch 6\_Chain 3/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.466 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.55 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.409 W/kg**

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

Maximum value of SAR (measured) = 1.68 W/kg

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

Reference Value = 28.466 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.04 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.449 W/kg**

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

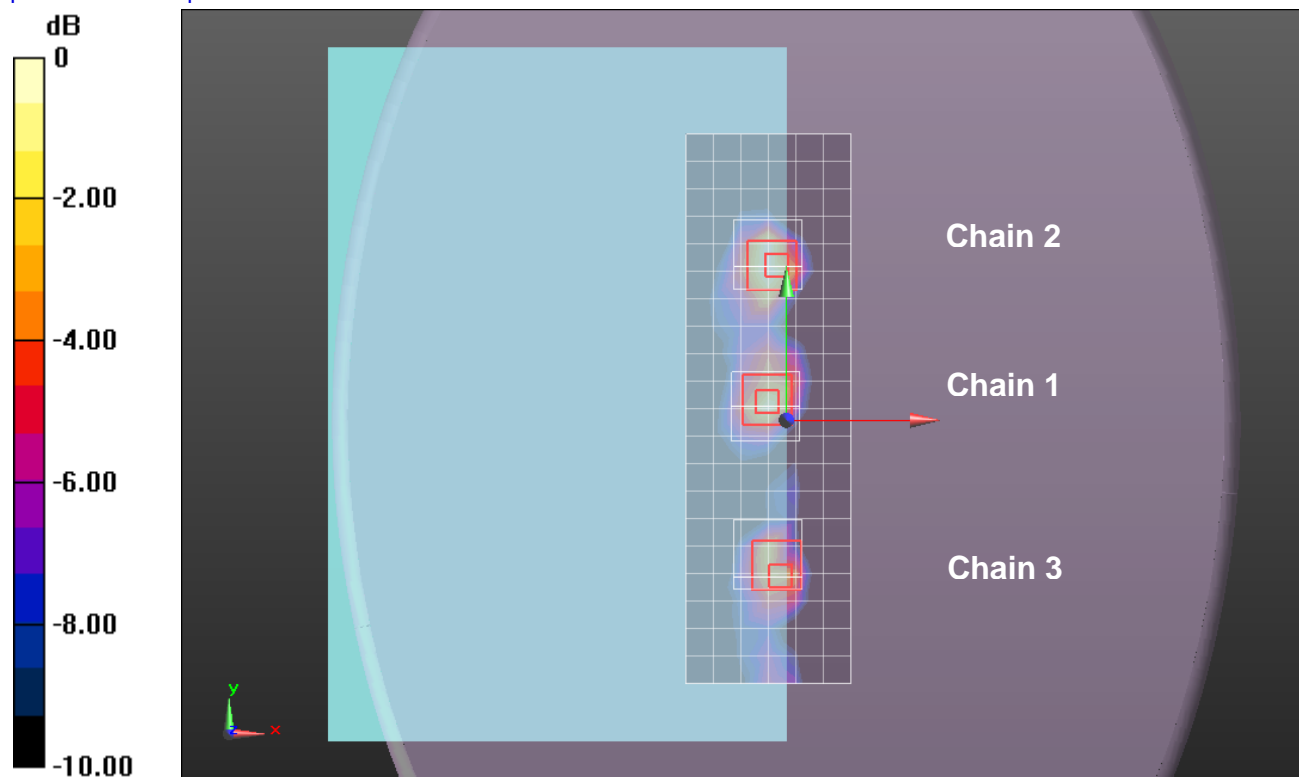
**Rear/802.11b\_ch 6\_Chain 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.466 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.74 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.453 W/kg**

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



0 dB = 1.68 W/kg = 2.25 dBW/kg

## Wi-Fi 2.4 GHz

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;  $\sigma = 1.911$  S/m;  $\epsilon_r = 50.707$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1433; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3901; ConvF(7.26, 7.26, 7.26); Calibrated: 1/27/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1099

**Rear/802.11b\_ch 6\_Chain 3, 1/Area Scan (7x21x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.30 W/kg

**Rear/802.11b\_ch 6\_Chain 3/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.15 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.80 W/kg

**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.449 W/kg**

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

Maximum value of SAR (measured) = 1.66 W/kg

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

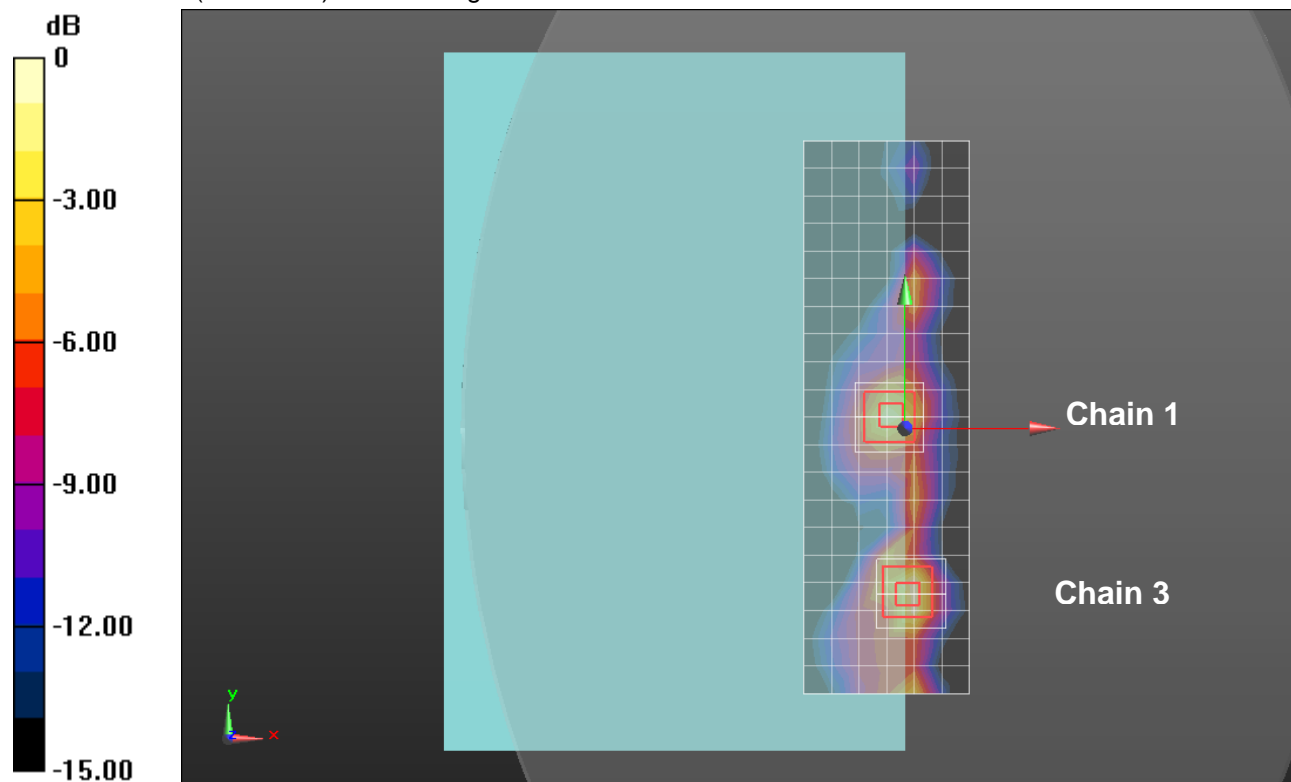
Reference Value = 25.15 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.39 W/kg

**SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.334 W/kg**

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

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

## Wi-Fi 5 GHz

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.314$  S/m;  $\epsilon_r = 49.423$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3751; ConvF(4.22, 4.22, 4.22); Calibrated: 11/14/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Rear/802.11n\_HT 40\_Ch 54\_Chain 2/Area Scan (8x25x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 1.32 W/kg

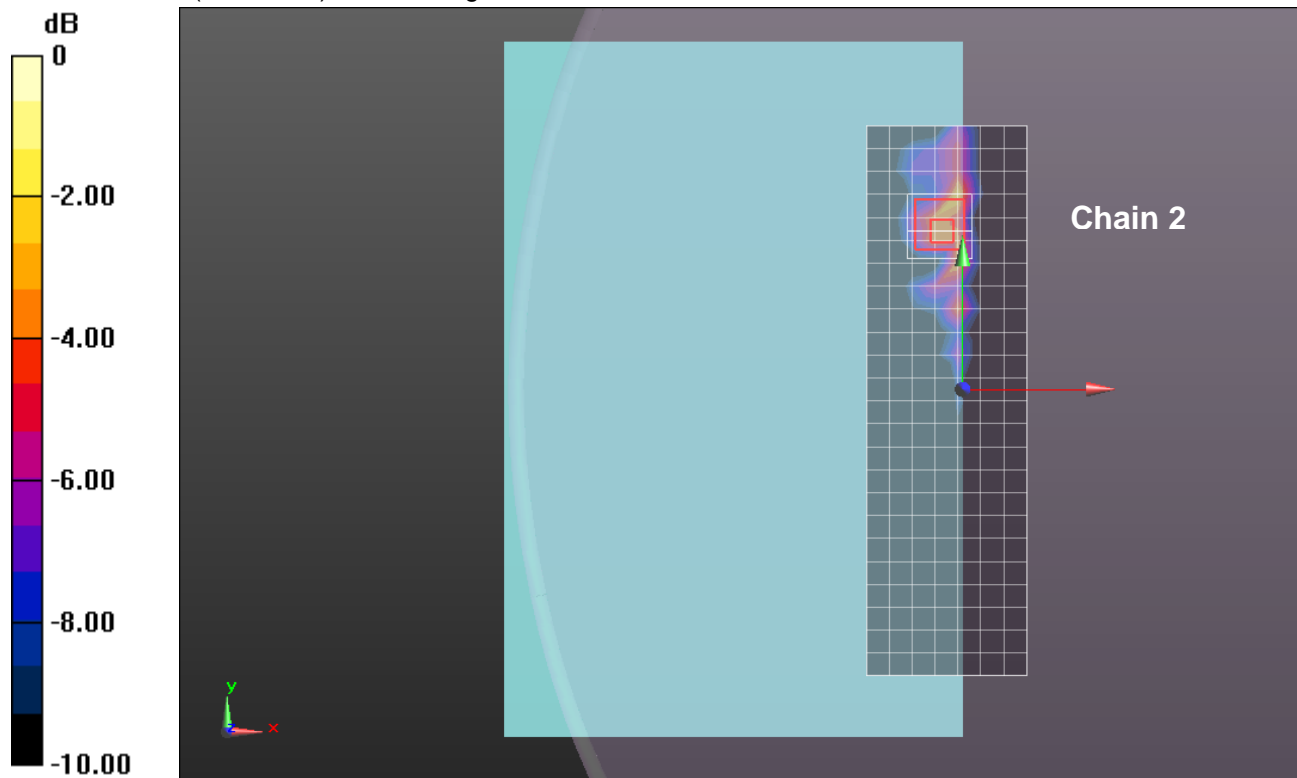
**Rear/802.11n\_HT 40\_Ch 54\_Chain 2/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.172 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 5.27 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.381 W/kg**

Maximum value of SAR (measured) = 2.35 W/kg



0 dB = 2.35 W/kg = 3.71 dBW/kg

## Wi-Fi 5 GHz

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.314$  S/m;  $\epsilon_r = 49.423$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn500; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3751; ConvF(4.22, 4.22, 4.22); Calibrated: 11/14/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Rear/802.11n\_HT 40\_Ch 54\_Chain 1, 2/Area Scan (8x25x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 1.85 W/kg

**Rear/802.11n\_HT 40\_Ch 54\_Chain 1/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.716 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.35 W/kg

**SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.265 W/kg**

Maximum value of SAR (measured) = 1.93 W/kg

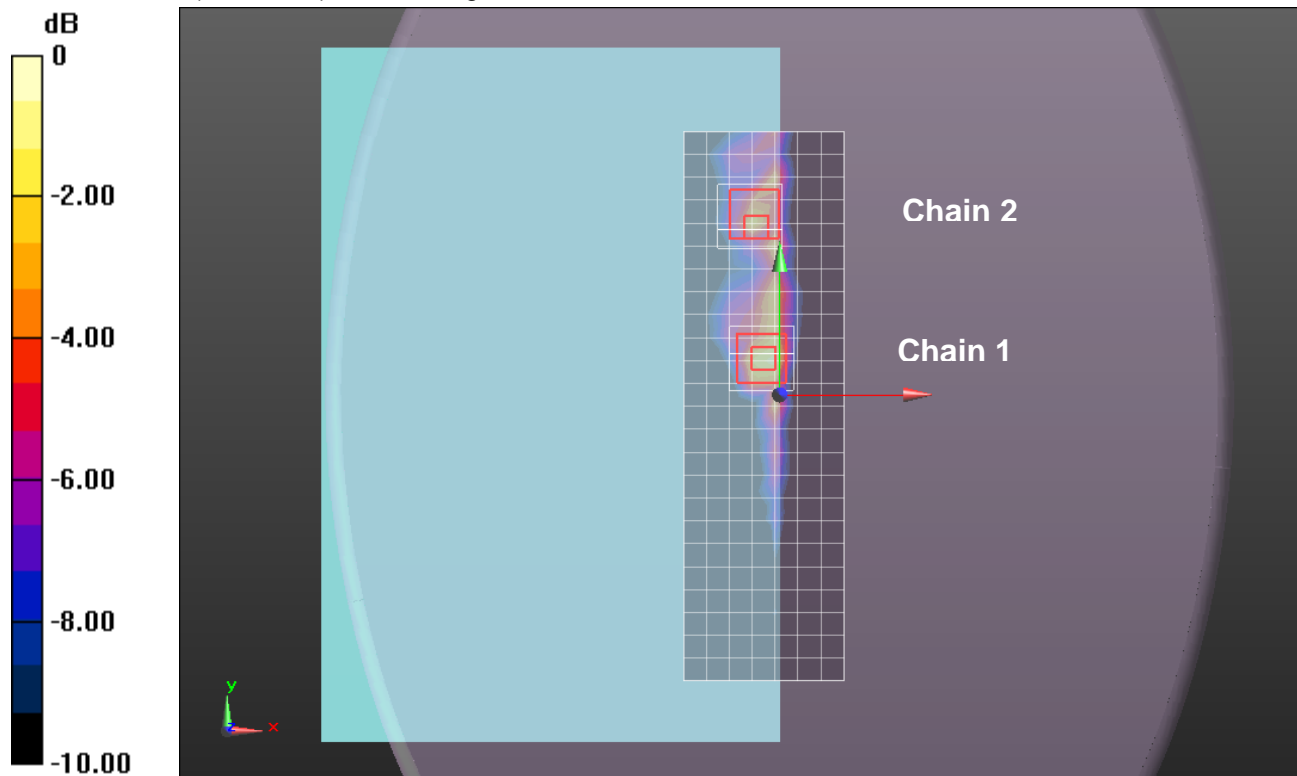
**Rear/802.11n\_HT 40\_Ch 54\_Chain 2/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.716 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.86 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.361 W/kg**

Maximum value of SAR (measured) = 2.27 W/kg



0 dB = 2.27 W/kg = 3.56 dBW/kg

## Wi-Fi 5 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;  $\sigma = 5.783$  S/m;  $\epsilon_r = 46.609$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1360; Calibrated: 3/17/2014
- Probe: EX3DV4 - SN3885; ConvF(3.81, 3.81, 3.81); Calibrated: 9/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Rear/802.11ac\_Ch 122 VHT80\_Chain 3, 1, 2/Area Scan (8x26x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.73 W/kg

**Rear/802.11ac\_Ch 122 VHT80\_Chain 3/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.792 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.87 W/kg

**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.391 W/kg**

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

**Rear/802.11ac\_Ch 122 VHT80\_Chain 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.792 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.85 W/kg

**SAR(1 g) = 0.929 W/kg; SAR(10 g) = 0.409 W/kg**

Maximum value of SAR (measured) = 1.93 W/kg

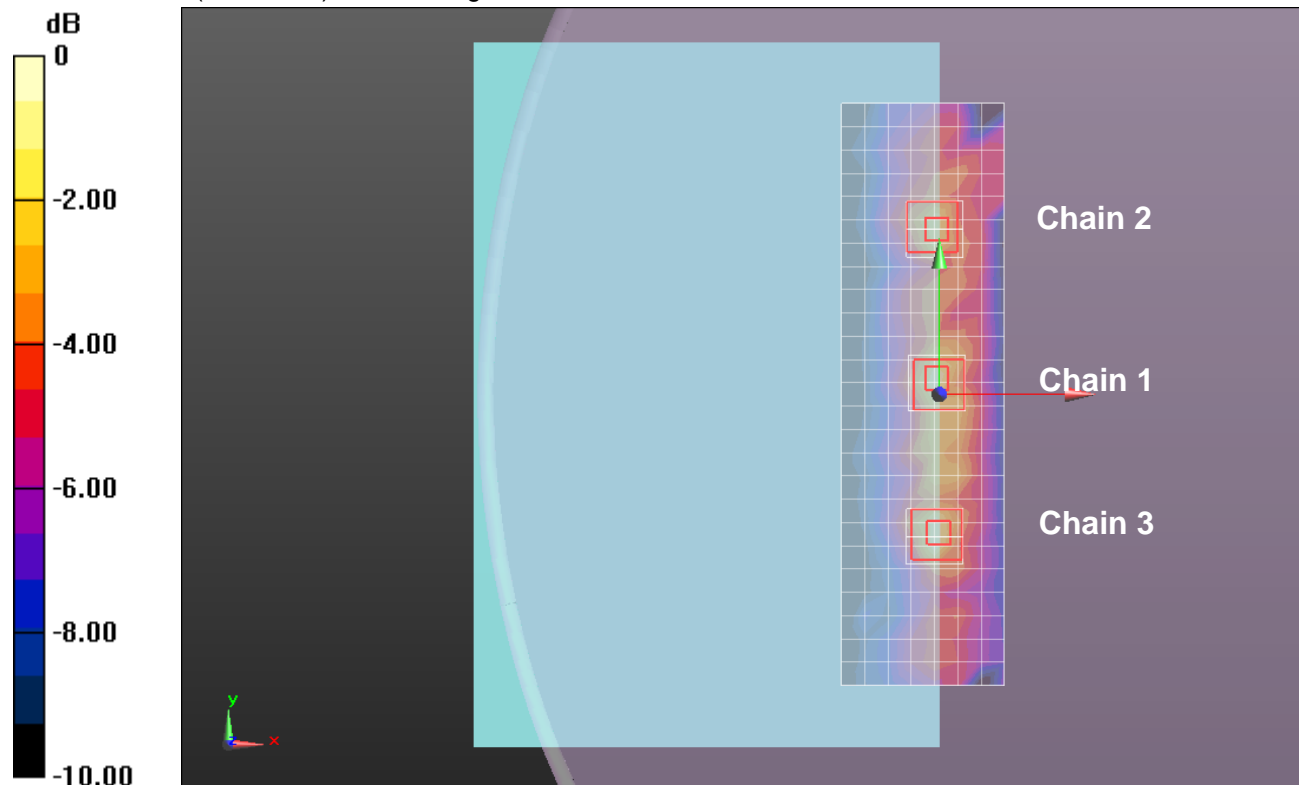
**Rear/802.11ac\_Ch 122 VHT80\_Chain 2/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.792 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.35 W/kg

**SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.372 W/kg**

Maximum value of SAR (measured) = 1.92 W/kg



0 dB = 1.92 W/kg = 2.83 dBW/kg

## Wi-Fi 5 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;  $\sigma = 5.853$  S/m;  $\epsilon_r = 46.826$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1360; Calibrated: 3/17/2014
- Probe: EX3DV4 - SN3885; ConvF(3.81, 3.81, 3.81); Calibrated: 9/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Rear/802.11ac\_Ch 122 HT80\_Chain 3, 1, 2/Area Scan (8x26x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.78 W/kg

**Rear/802.11ac\_Ch 122 HT80\_Chain 3/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.302 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 4.44 W/kg

**SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.383 W/kg**

Maximum value of SAR (measured) = 1.86 W/kg

**Rear/802.11ac\_Ch 122 HT80\_Chain 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.302 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 4.03 W/kg

**SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.390 W/kg**

Maximum value of SAR (measured) = 1.74 W/kg

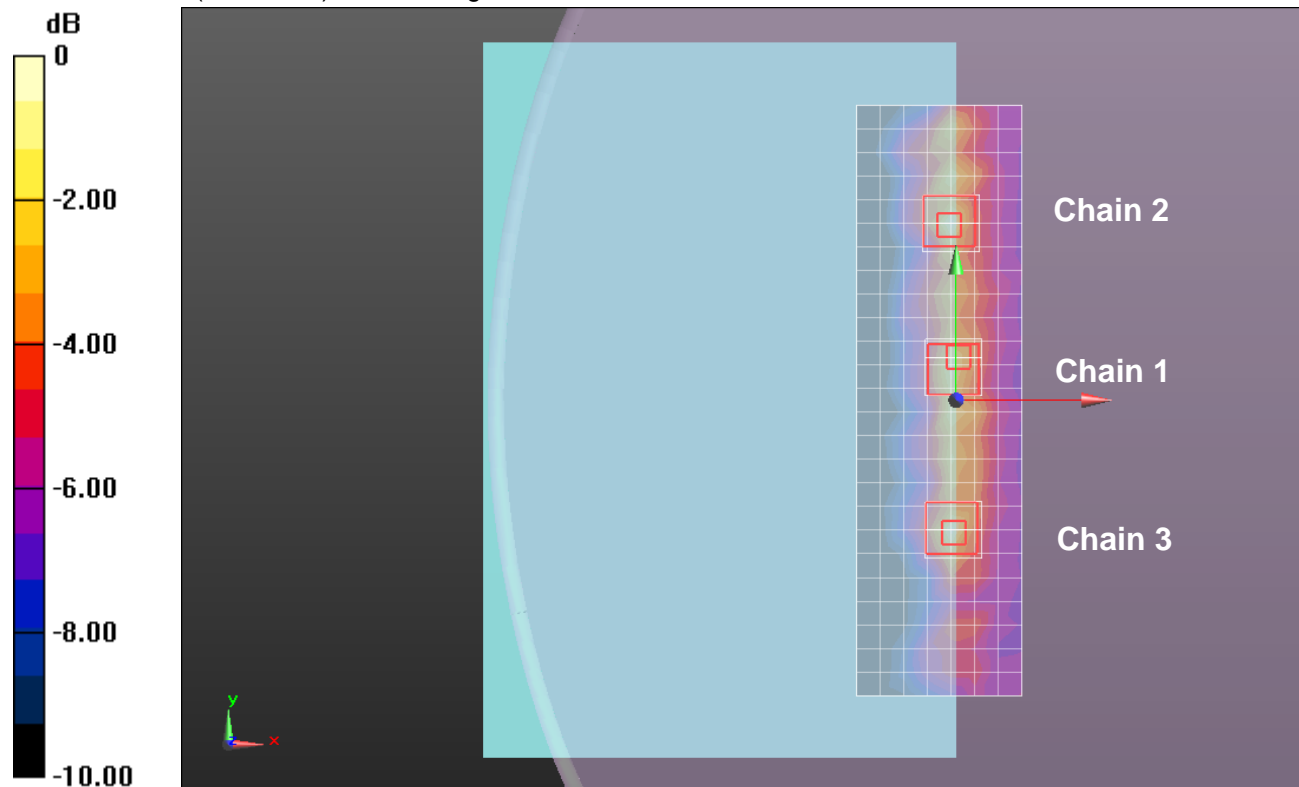
**Rear/802.11ac\_Ch 122 HT80\_Chain 2/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.302 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 4.23 W/kg

**SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.359 W/kg**

Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 1.85 W/kg = 2.67 dBW/kg

## Wi-Fi 5 GHz

Frequency: 5795 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5795$  MHz;  $\sigma = 6.238$  S/m;  $\epsilon_r = 46.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1257; Calibrated: 9/29/2014
- Probe: EX3DV4 - SN3989; ConvF(4.23, 4.23, 4.23); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: QDOVA002AA; Serial: 1180

**Rear/802.11n\_HT40\_Ch 159\_Chain 1, 2/Area Scan (8x25x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.05 W/kg

**Rear/802.11n\_HT40\_Ch 159\_Chain 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.641 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.90 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.317 W/kg**

Maximum value of SAR (measured) = 2.33 W/kg

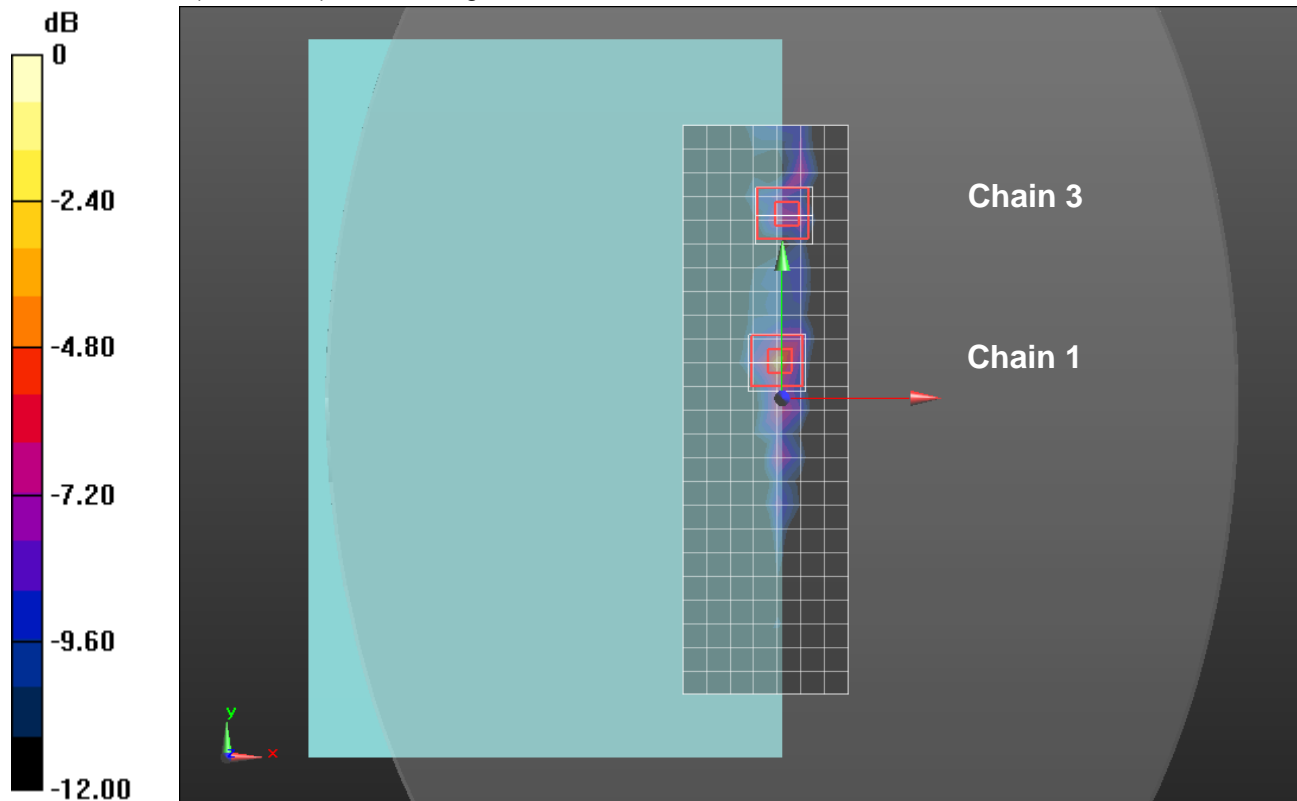
**Rear/802.11n\_HT40\_Ch 159\_Chain 2/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.641 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 5.31 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.291 W/kg**

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



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

## Wi-Fi 5 GHz

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.156$  S/m;  $\epsilon_r = 46.224$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1257; Calibrated: 9/29/2014
- Probe: EX3DV4 - SN3989; ConvF(4.23, 4.23, 4.23); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: QDOVA002AA; Serial: 1180

**Rear/802.11a\_Ch149\_Chain 2/Area Scan (8x25x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.56 W/kg

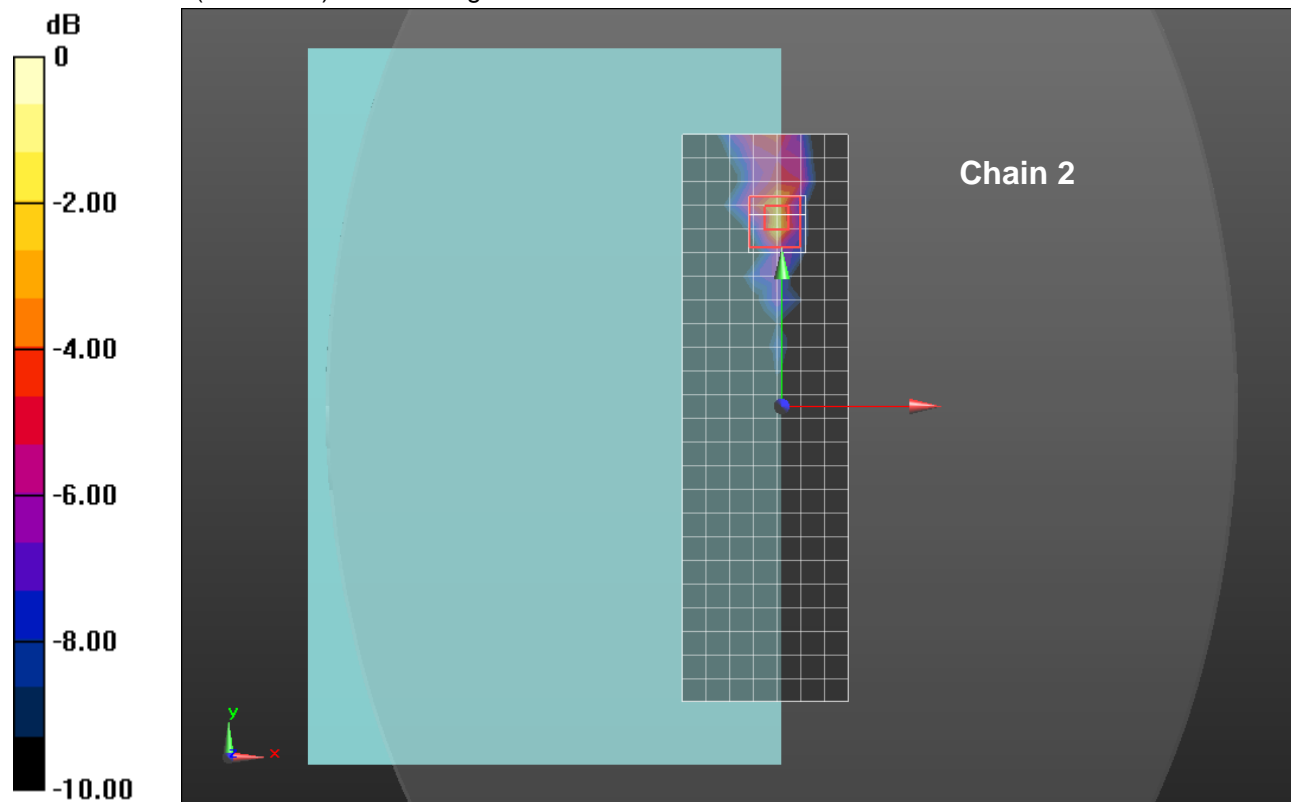
**Rear/802.11a\_Ch149\_Chain 2/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.193 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 5.25 W/kg

**SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 2.27 W/kg



0 dB = 2.27 W/kg = 3.56 dBW/kg



## Bluetooth

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;  $\sigma = 1.945$  S/m;  $\epsilon_r = 51.217$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1433; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3901; ConvF(7.26, 7.26, 7.26); Calibrated: 1/27/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1099

**Rear/Bluetooth\_ch 39\_Chain 3/Area Scan (7x21x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0989 W/kg

**Rear/Bluetooth\_ch 39\_Chain 3/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

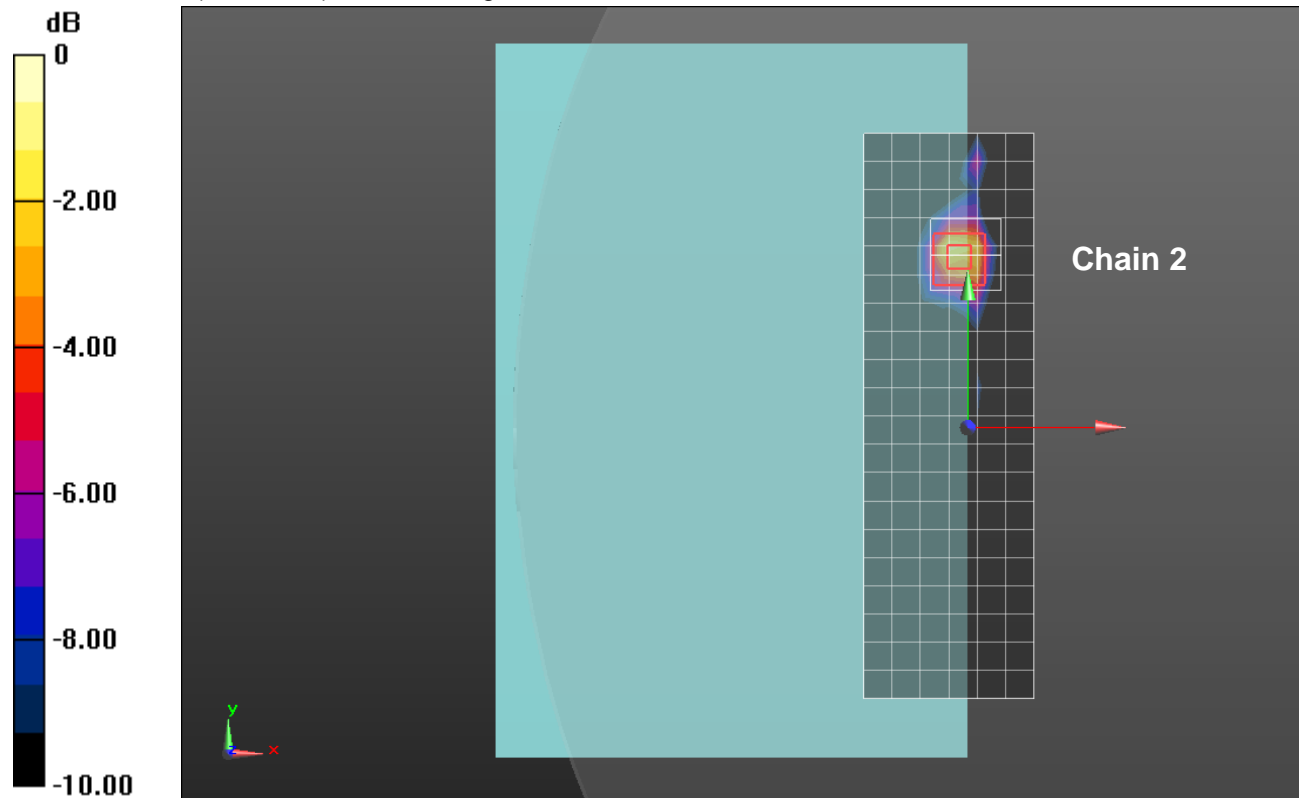
Reference Value = 6.817 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.234 W/kg

**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.026 W/kg**

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

Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.120 W/kg = -9.21 dBW/kg

## Bluetooth

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;  $\sigma = 1.945$  S/m;  $\epsilon_r = 51.217$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1433; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3901; ConvF(7.26, 7.26, 7.26); Calibrated: 1/27/2015;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1099

**Rear/Bluetooth\_ch 39\_Chain 3/Area Scan (7x21x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0996 W/kg

**Rear/Bluetooth\_ch 39\_Chain 3/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

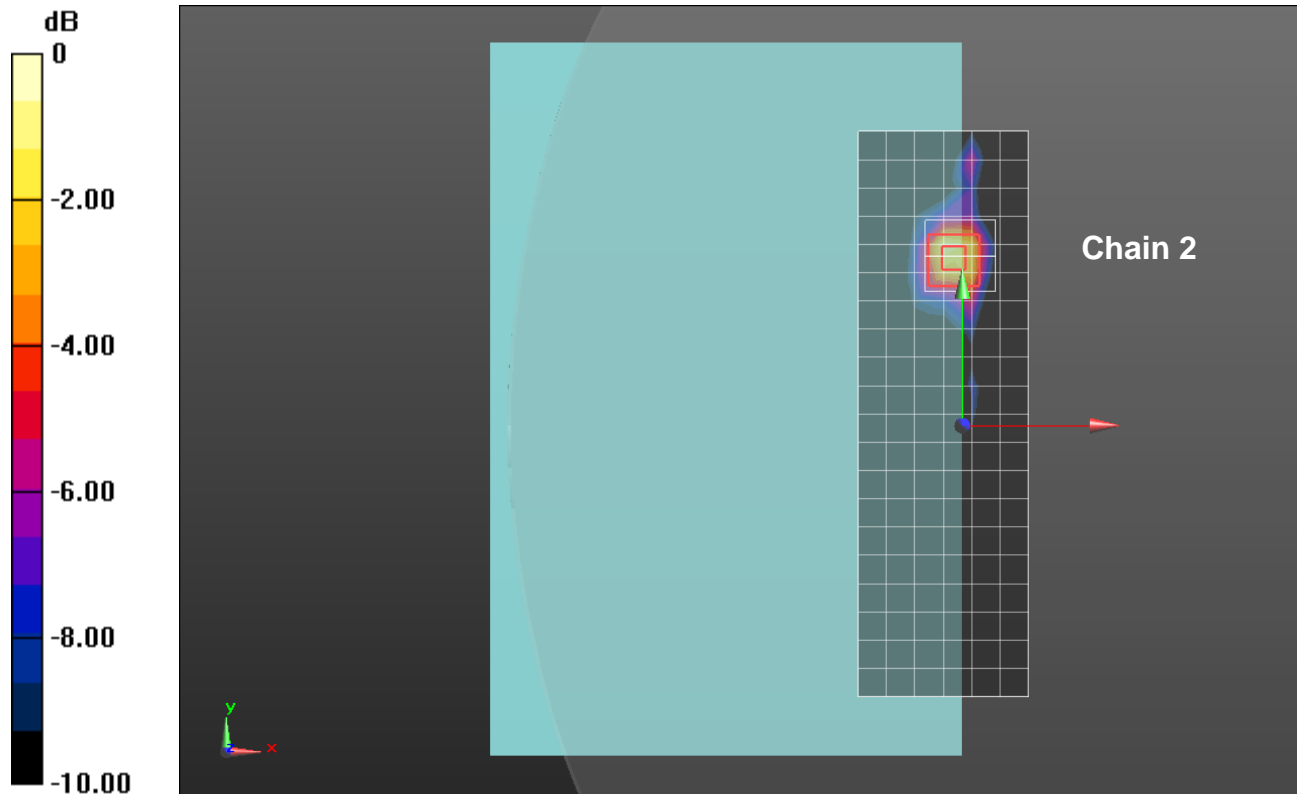
Reference Value = 6.200 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.217 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.025 W/kg**

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

Maximum value of SAR (measured) = 0.117 W/kg



0 dB = 0.117 W/kg = -9.32 dBW/kg