

## Wi-Fi 2.4GHz Module 1

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;  $\sigma = 1.928$  S/m;  $\epsilon_r = 51.807$ ;  $\rho = 1000$  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 Sn1239; Calibrated: 7/27/2017
- Probe: EX3DV4 - SN3902; ConvF(7.89, 7.89, 7.89); Calibrated: 5/30/2017;
- 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: 1196

**Front/802.11b\_ch 6 ANT 0/Area Scan (13x13x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.431 W/kg

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

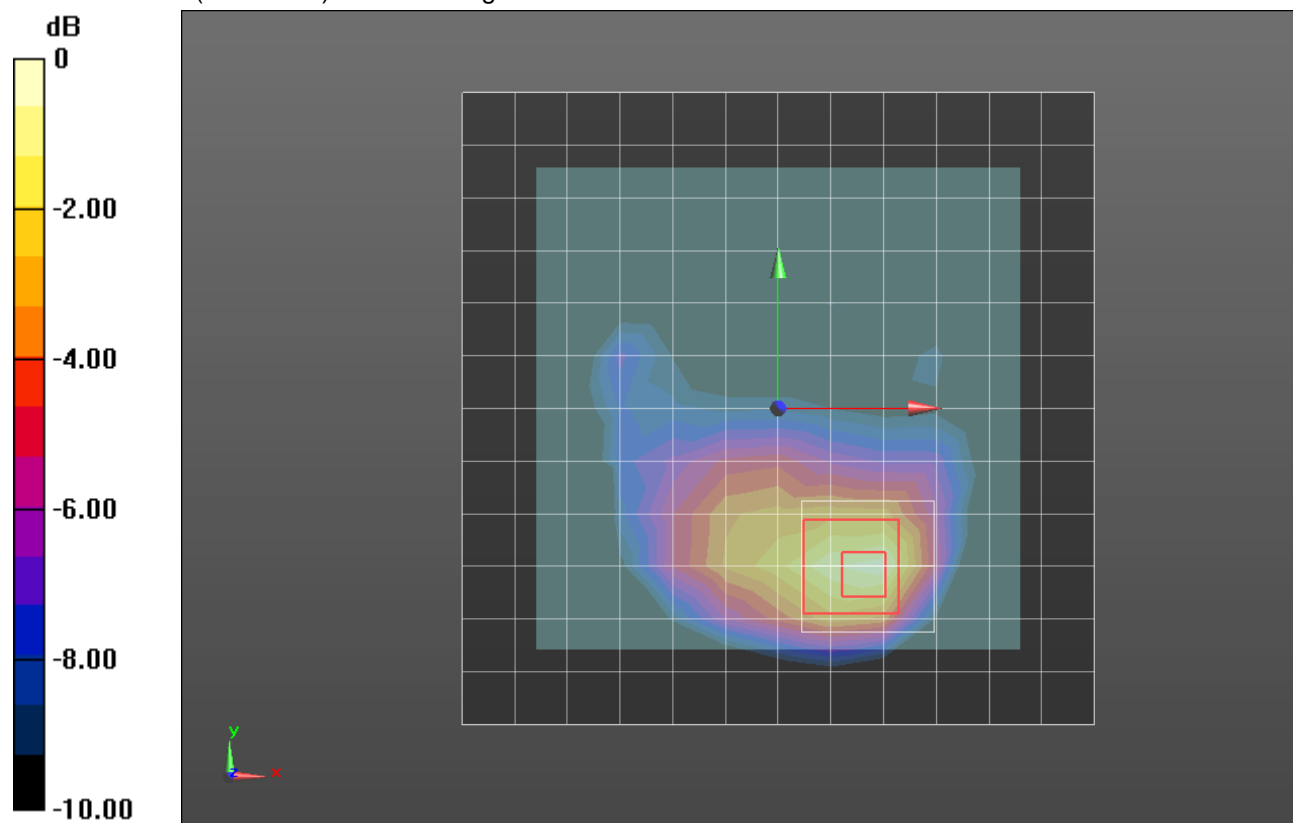
Reference Value = 14.077 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.133 W/kg**

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

Maximum value of SAR (measured) = 0.454 W/kg



0 dB = 0.454 W/kg = -3.43 dBW/kg

## Wi-Fi 2.4GHz Module 1

Frequency: 2462 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.949 \text{ S/m}$ ;  $\epsilon_r = 51.771$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/27/2017
- Probe: EX3DV4 - SN3902; ConvF(7.89, 7.89, 7.89); Calibrated: 5/30/2017;
- 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: 1196

**Front/802.11b\_ch 11 ANT 1/Area Scan (13x13x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.996 W/kg

**Front/802.11b\_ch 11 ANT 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

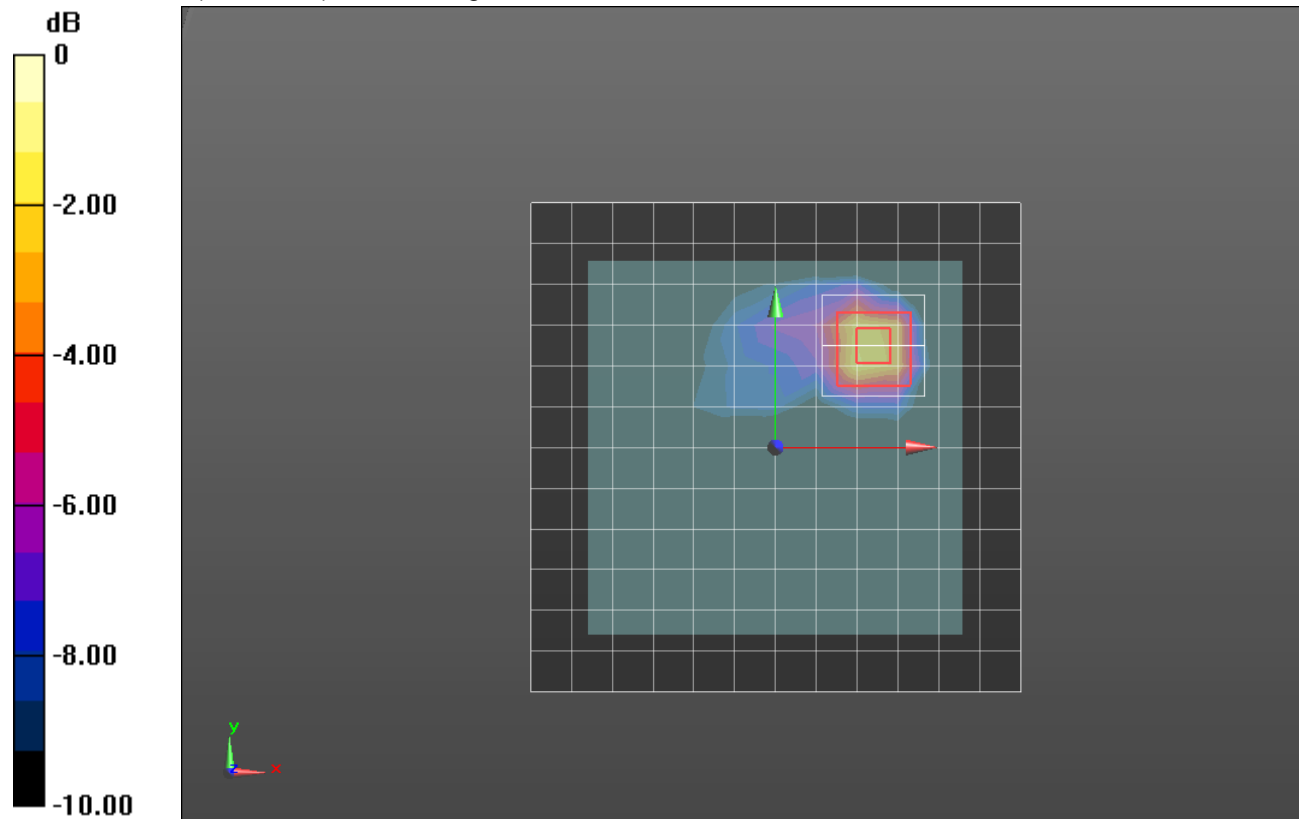
Reference Value = 25.407 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.97 W/kg

**SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.337 W/kg**

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

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

## Wi-Fi 2.4GHz Module 1

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;  $\sigma = 1.981$  S/m;  $\epsilon_r = 51.649$ ;  $\rho = 1000$  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: 3/8/2017
- Probe: EX3DV4 - SN3885; ConvF(7.46, 7.46, 7.46); Calibrated: 10/24/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0 Vertical; Type: QDOVA002AA; Serial: S/n:1198

**Front/802.11g\_ch 6 ANT 0/Area Scan (13x13x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.527 W/kg

**Front/802.11g\_ch 6 ANT 0/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

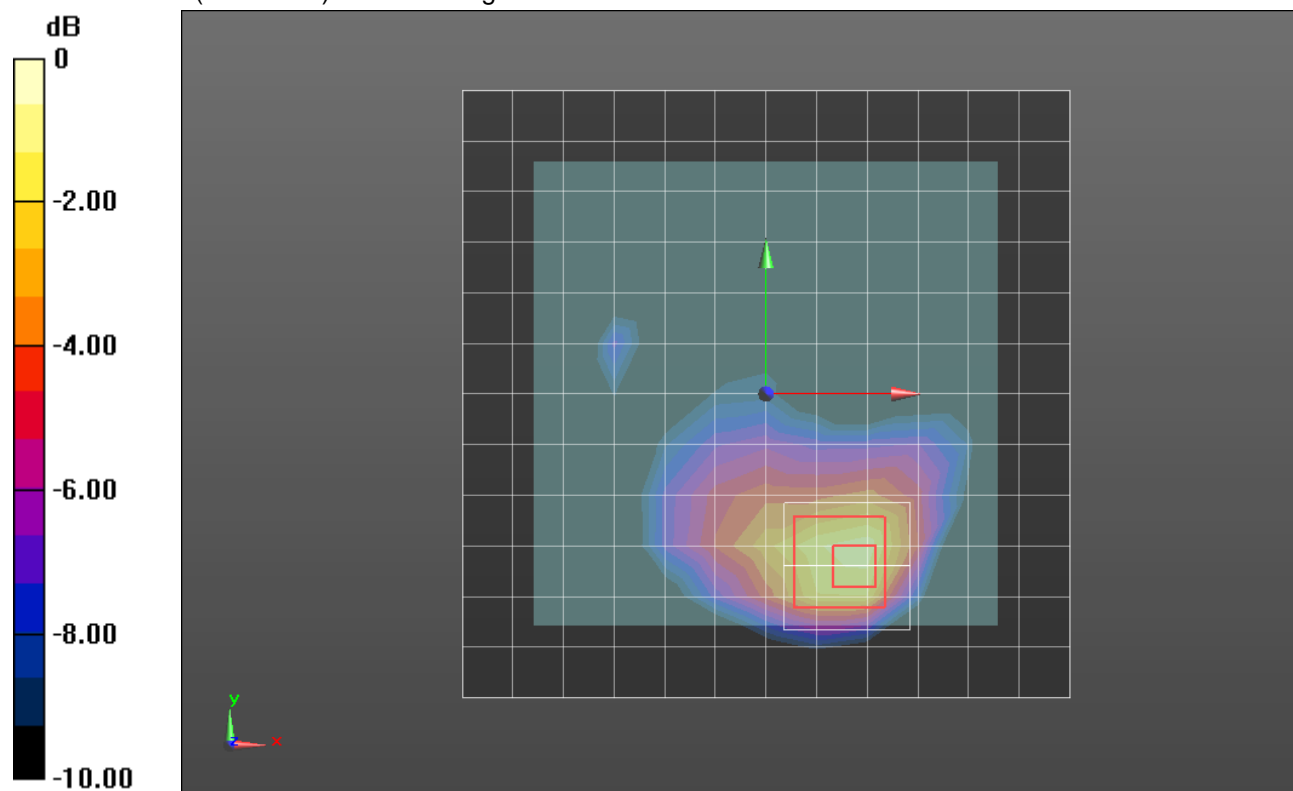
Reference Value = 16.485 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.839 W/kg

**SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.170 W/kg**

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

Maximum value of SAR (measured) = 0.632 W/kg



0 dB = 0.632 W/kg = -1.99 dBW/kg

## Wi-Fi 2.4GHz Module 1

Frequency: 2427 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2427.78$  MHz;  $\sigma = 1.912$  S/m;  $\epsilon_r = 51.801$ ;  $\rho = 1000$  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 Sn1239; Calibrated: 7/27/2017
- Probe: EX3DV4 - SN3902; ConvF(7.89, 7.89, 7.89); Calibrated: 5/30/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1196

**Front/802.11g\_ch 4 ANT 1 C0101/Area Scan (13x13x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.795 W/kg

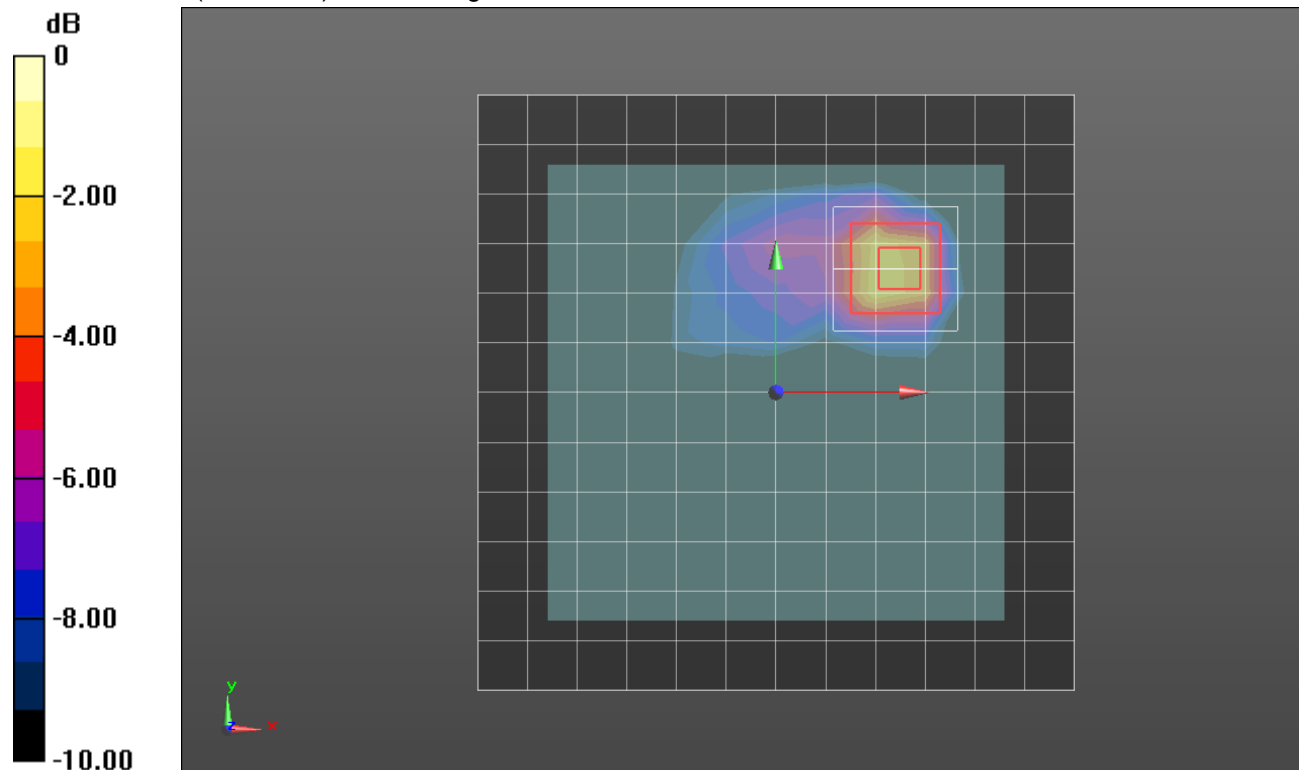
**Front/802.11g\_ch 4 ANT 1 C0101/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.581 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.281 W/kg**

Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

### Wi-Fi 5.3GHz Module 1

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.419$  S/m;  $\epsilon_r = 47.703$ ;  $\rho = 1000$  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 Sn1239; Calibrated: 7/27/2017
- Probe: EX3DV4 - SN3902; ConvF(4.89, 4.89, 4.89); Calibrated: 5/30/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1196

**Front./802.11a\_Ch 60 ANT 0/Area Scan (16x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.576 W/kg

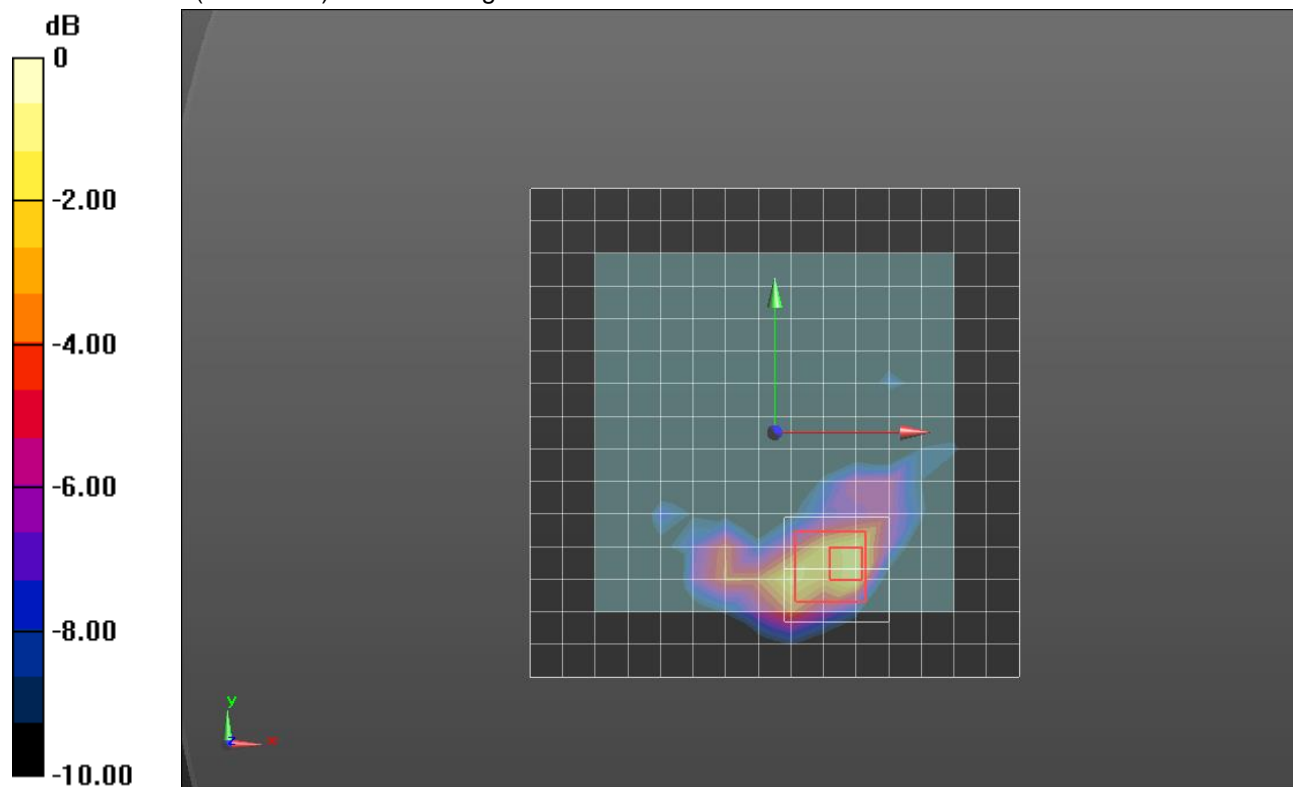
**Front./802.11a\_Ch 60 ANT 0/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.247 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.093 W/kg**

Maximum value of SAR (measured) = 0.791 W/kg



0 dB = 0.791 W/kg = -1.02 dBW/kg

### Wi-Fi 5.3GHz Module 1

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.192 \text{ S/m}$ ;  $\epsilon_r = 47.804$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1357; Calibrated: 2/8/2018
- Probe: EX3DV4 - SN3990; ConvF(5.01, 5.01, 5.01); Calibrated: 2/14/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a\_Ch 64\_ANT 1 2/Area Scan (16x16x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (measured) = 1.24 W/kg

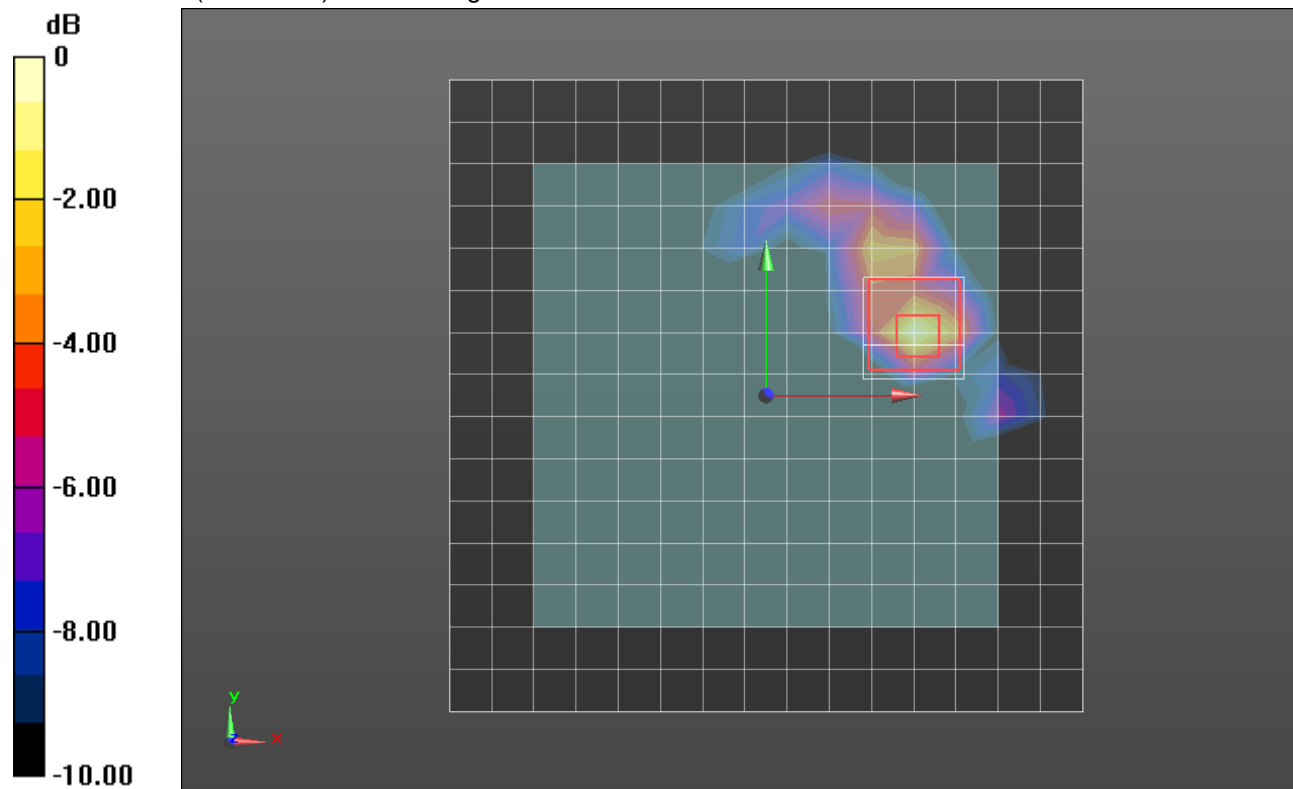
**Front/802.11a\_Ch 64\_ANT 1 2/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 13.831 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.16 W/kg

**SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.174 W/kg**

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

## Wi-Fi 5.6GHz Module 1

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.744$  S/m;  $\epsilon_r = 47.991$ ;  $\rho = 1000$  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: 3/8/2017
- Probe: EX3DV4 - SN3885; ConvF(4.29, 4.29, 4.29); Calibrated: 10/24/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a\_Ch 140 ANT 0/Area Scan (16x16x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 0.958 W/kg

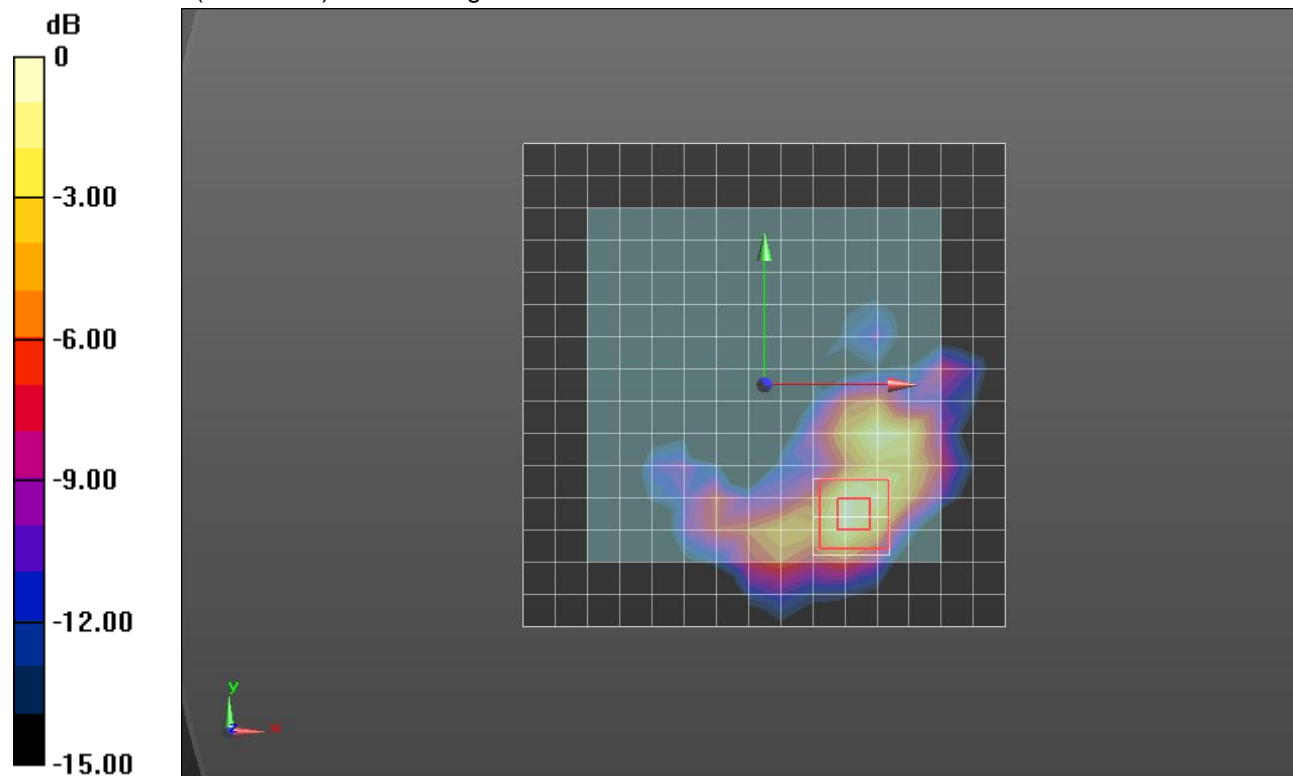
**Front/802.11a\_Ch 140 ANT 0/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.349 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.132 W/kg**

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

## Wi-Fi 5.6GHz Module 1

Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.505$  S/m;  $\epsilon_r = 47.531$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/8/2018
- Probe: EX3DV4 - SN3990; ConvF(4.46, 4.46, 4.46); Calibrated: 2/14/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a\_Ch 116\_ANT 1/Area Scan (16x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.28 W/kg

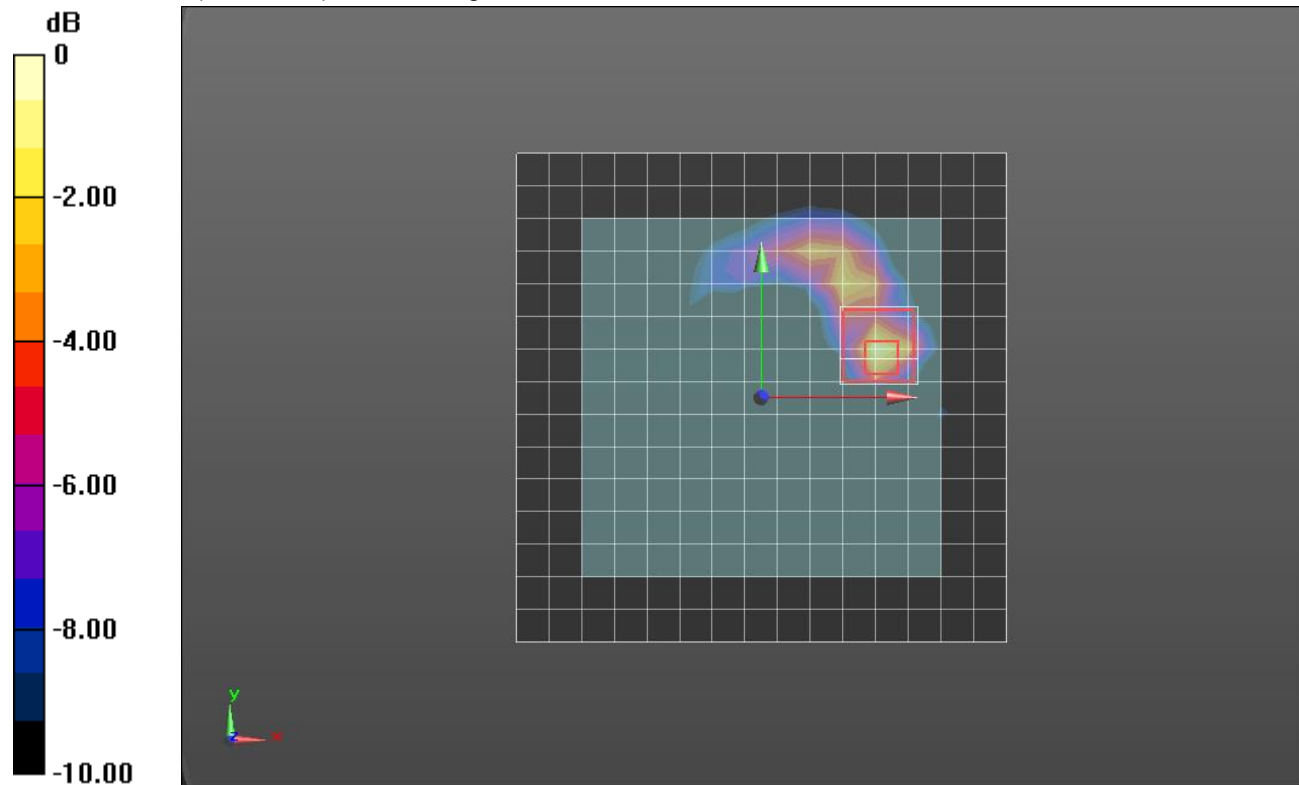
**Front/802.11a\_Ch 116\_ANT 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.351 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.40 W/kg

**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.148 W/kg**

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



0 dB = 1.45 W/kg = 1.61 dBW/kg



## Wi-Fi 5.8GHz Module 1

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.884 \text{ S/m}$ ;  $\epsilon_r = 46.529$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1357; Calibrated: 2/8/2018
- Probe: EX3DV4 - SN3990; ConvF(4.58, 4.58, 4.58); Calibrated: 2/14/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a\_Ch 149\_ANT 0/Area Scan (16x16x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (measured) = 0.788 W/kg

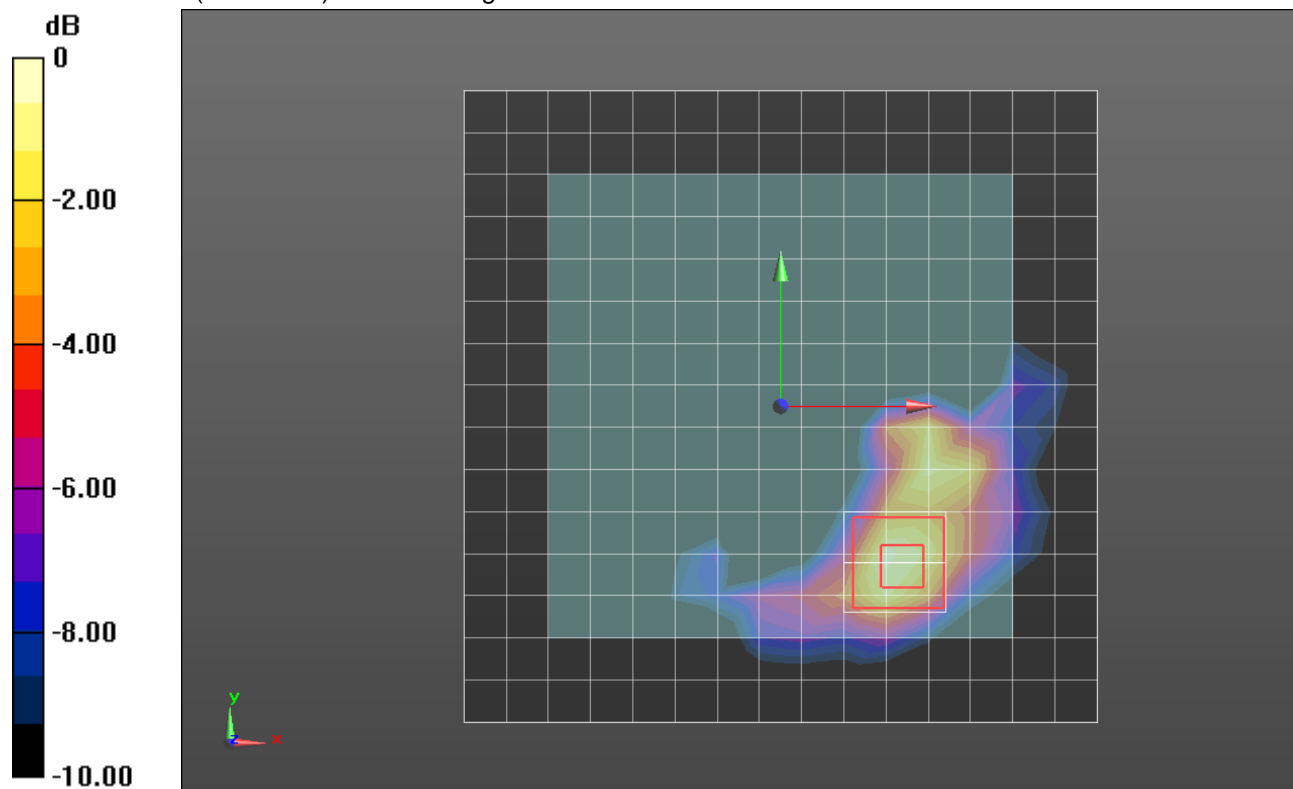
**Front/802.11a\_Ch 149\_ANT 0/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 10.490 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.854 W/kg



0 dB = 0.854 W/kg = -0.69 dBW/kg

## Wi-Fi 5.8GHz Module 1

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

Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.793$  S/m;  $\epsilon_r = 47.246$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/8/2018
- Probe: EX3DV4 - SN3990; ConvF(4.58, 4.58, 4.58); Calibrated: 2/14/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a\_Ch 157\_ANT 1/Area Scan (16x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.795 W/kg

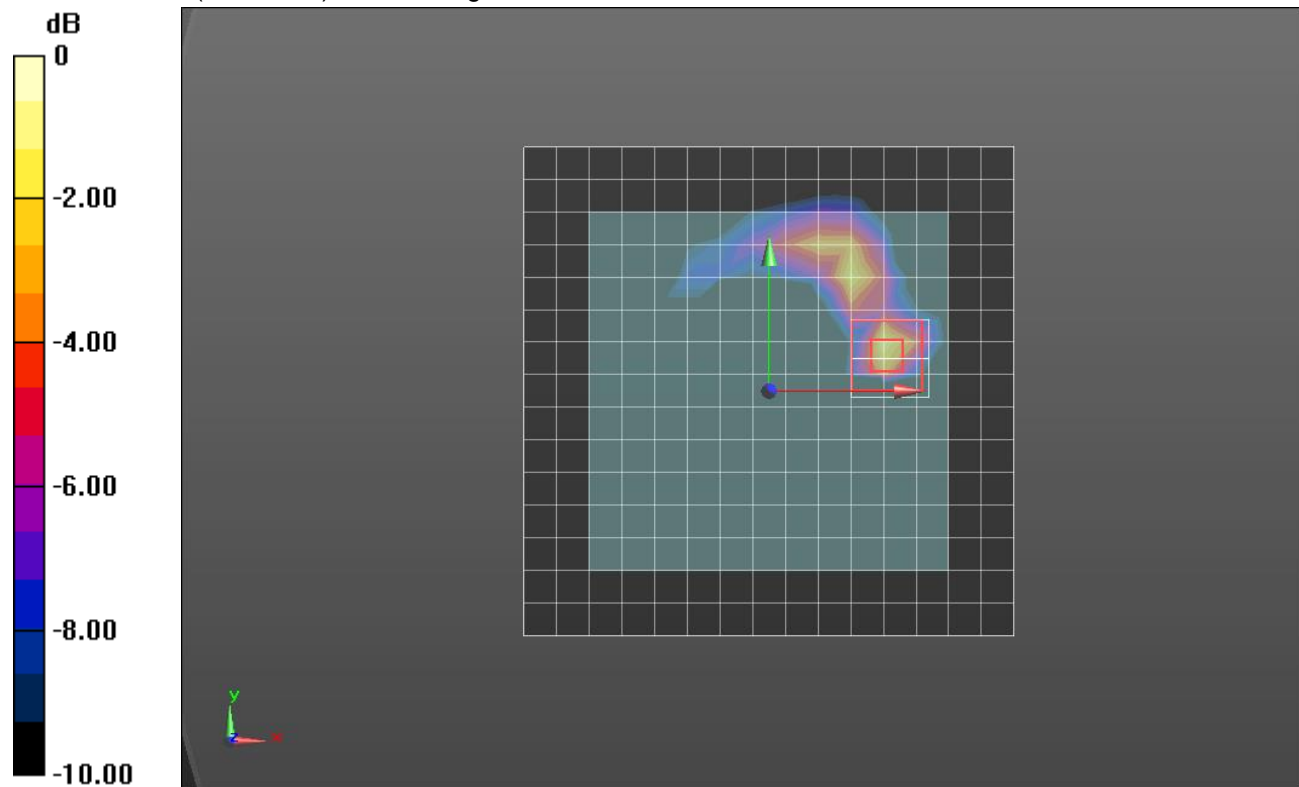
**Front/802.11a\_Ch 157\_ANT 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.046 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.099 W/kg**

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



0 dB = 1.05 W/kg = 0.21 dBW/kg

## Bluetooth Module 1

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;  $\sigma = 2.015$  S/m;  $\epsilon_r = 52.136$ ;  $\rho = 1000$  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: 3/8/2017
- Probe: EX3DV4 - SN3885; ConvF(7.46, 7.46, 7.46); Calibrated: 10/24/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0 Vertical; Type: QDOVA002AA; Serial: S/n:1198

**Front/GFSK DH5\_ch 39 ANT 1/Area Scan (13x13x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.101 W/kg

**Front/GFSK DH5\_ch 39 ANT 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

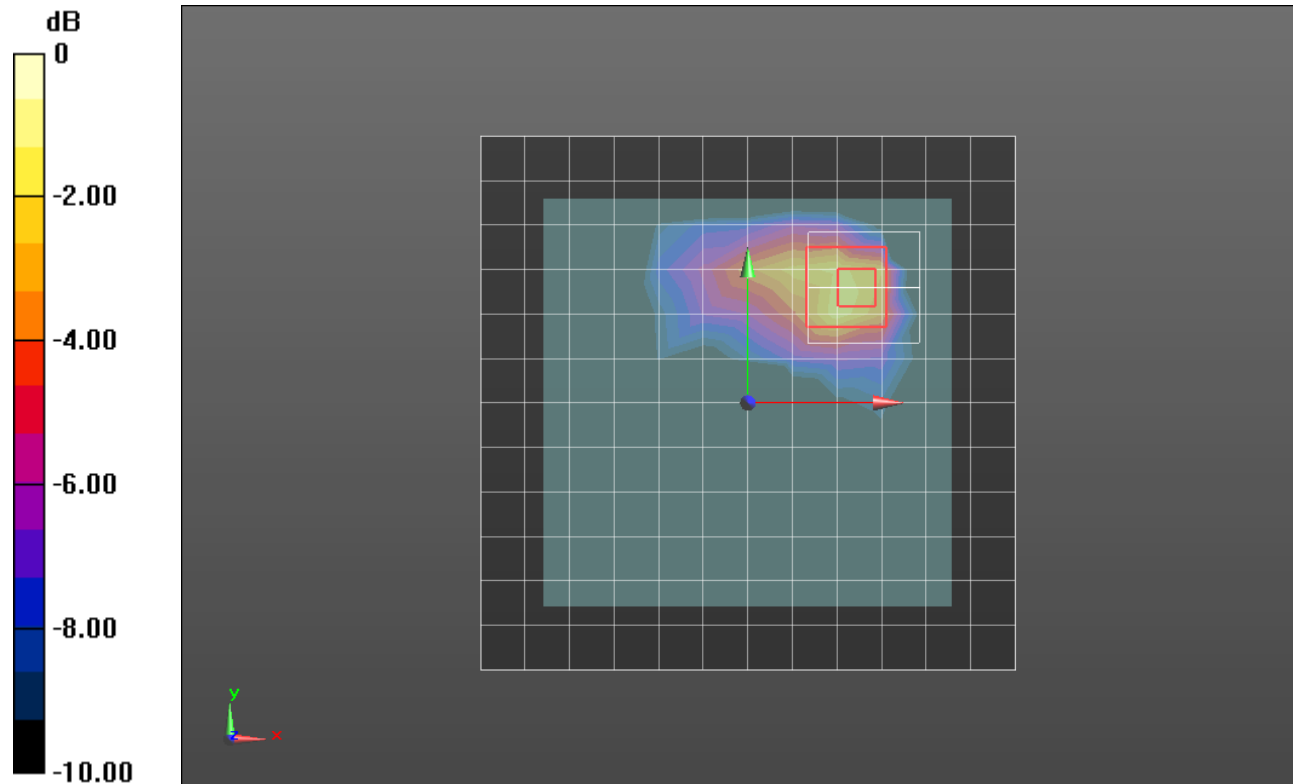
Reference Value = 7.345 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.184 W/kg

**SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.031 W/kg**

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

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg = -8.54 dBW/kg

## Wi-Fi 2.4GHz Module 1

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;  $\sigma = 2.026$  S/m;  $\epsilon_r = 50.548$ ;  $\rho = 1000$  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 Sn1239; Calibrated: 7/27/2017
- Probe: EX3DV4 - SN3902; ConvF(7.89, 7.89, 7.89); Calibrated: 5/30/2017;
- 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: 1196

**Front/802.11g\_Ch 6 ANT 0/Area Scan (15x15x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.533 W/kg

**Front/802.11g\_Ch 6 ANT 0/Volume Scan (36x36x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.31 V/m; Power Drift = -0.03 dB

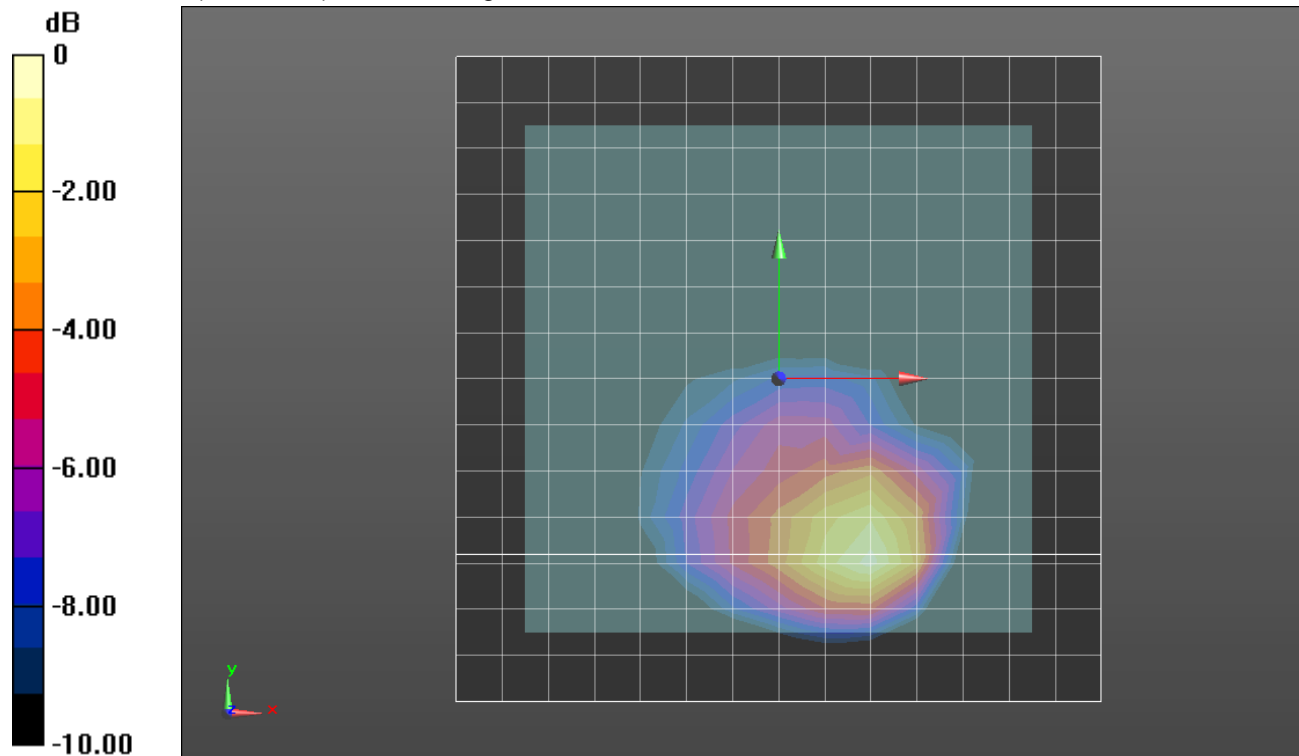
Peak SAR (extrapolated) = 0.779 W/kg

**SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.164 W/kg**

Total Absorbed Power = 0.00704 W

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

Maximum value of SAR (measured) = 0.574 W/kg



0 dB = 0.574 W/kg = -2.41 dBW/kg

## Wi-Fi 2.4GHz Module 1

Frequency: 2427 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2427 \text{ MHz}$ ;  $\sigma = 2.017 \text{ S/m}$ ;  $\epsilon_r = 50.582$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/27/2017
- Probe: EX3DV4 - SN3902; ConvF(7.89, 7.89, 7.89); Calibrated: 5/30/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1196

**Front/802.11g\_Ch 4 ANT 1/Area Scan (15x15x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.48 W/kg

**Front/802.11g\_Ch 4 ANT 1/Volume Scan (36x36x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 25.11 V/m; Power Drift = -0.05 dB

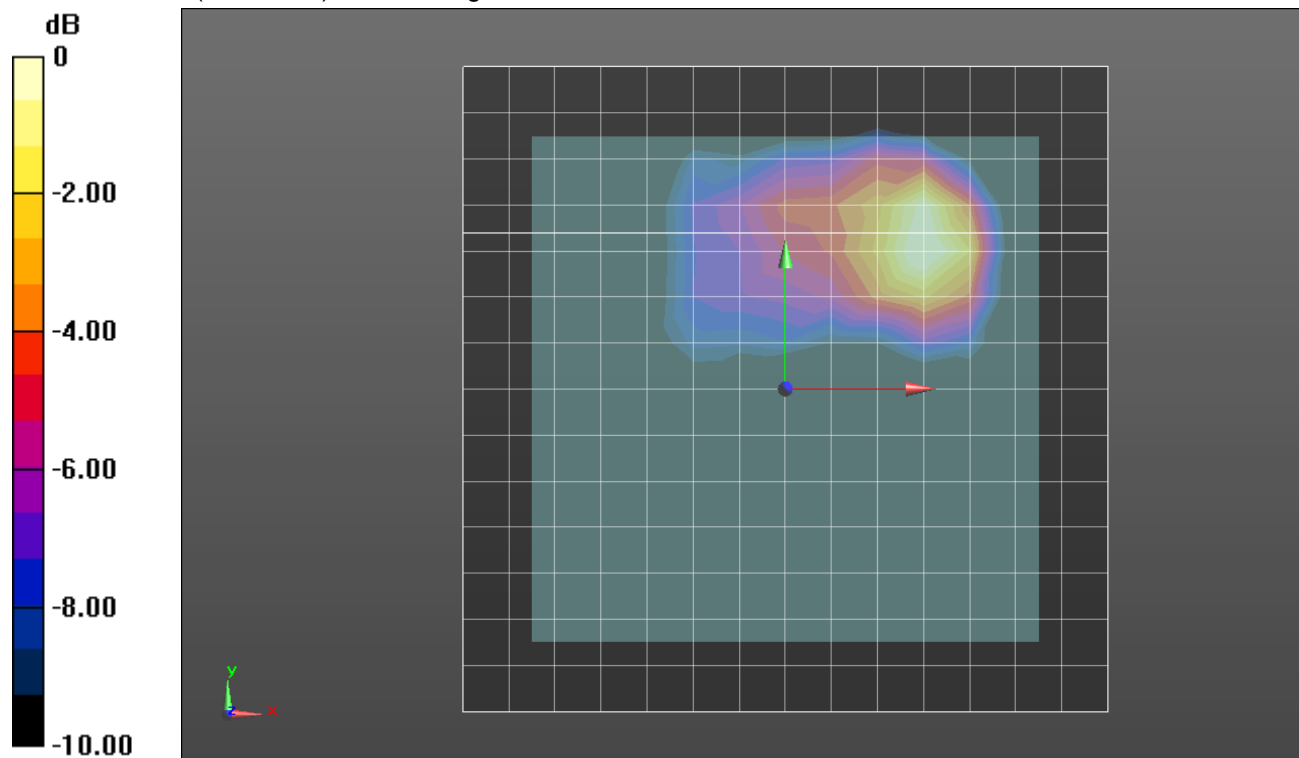
Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.307 W/kg**

Total Absorbed Power = 0.0125 W

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

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

## Wi-Fi 5GHz Module 1

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.703$  S/m;  $\epsilon_r = 47.758$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/8/2018
- Probe: EX3DV4 - SN3990; ConvF(4.58, 4.58, 4.58); Calibrated: 2/14/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a Ch 140 ANT 0/Area Scan (15x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.744 W/kg

**Front/802.11a Ch 140 ANT 0/Volume Scan (36x36x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

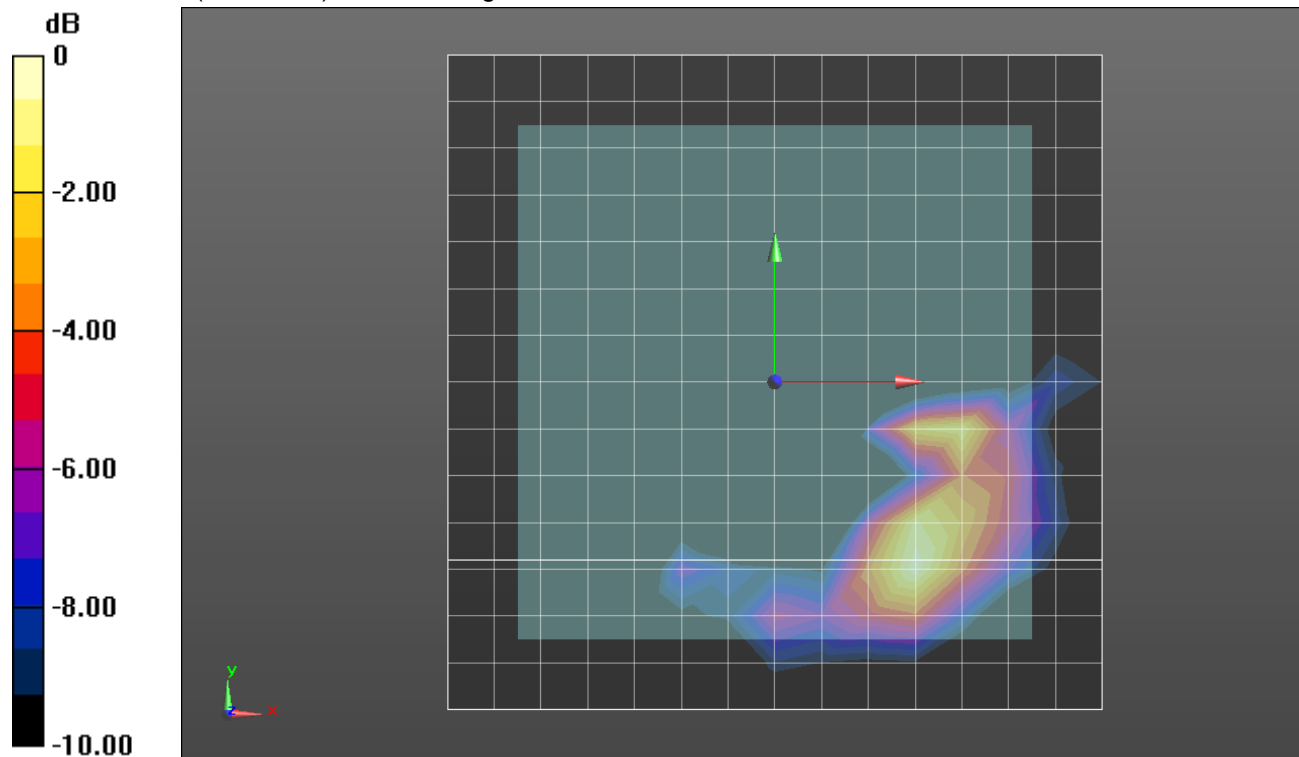
Reference Value = 9.586 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.102 W/kg**

Total Absorbed Power = 0.00346 W

Maximum value of SAR (measured) = 0.784 W/kg



0 dB = 0.784 W/kg = -1.06 dBW/kg

## Wi-Fi 5GHz Module 1

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.341 \text{ S/m}$ ;  $\epsilon_r = 46.914$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1357; Calibrated: 2/8/2018
- Probe: EX3DV4 - SN3990; ConvF(5.01, 5.01, 5.01); Calibrated: 2/14/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a Ch 64 ANT 1/Area Scan (15x15x1):** Measurement grid: dx=10mm, dy=10mm

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

**Front/802.11a Ch 64 ANT 1/Volume Scan (36x36x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

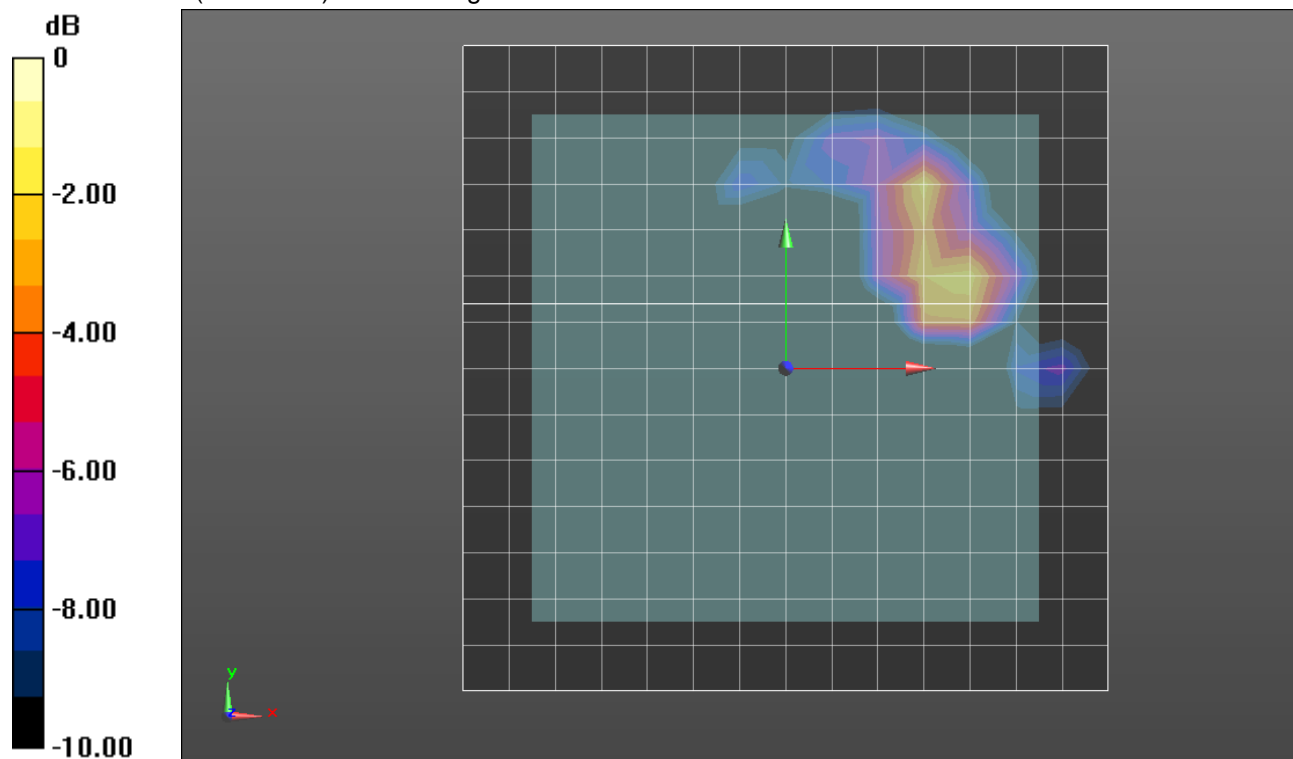
Reference Value = 16.04 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.52 W/kg

**SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.196 W/kg**

Total Absorbed Power = 0.00642 W

Maximum value of SAR (measured) = 1.72 W/kg



0 dB = 1.72 W/kg = 2.36 dBW/kg

## Multi-Band Average SAR

### Multi-Band Configurations:

DASY Configuration for Front/802.11g\_Ch 6 Chain 0/Volume Scan:

DASY Configuration for Front/802.11g\_Ch 4 Chain 1/Volume Scan:

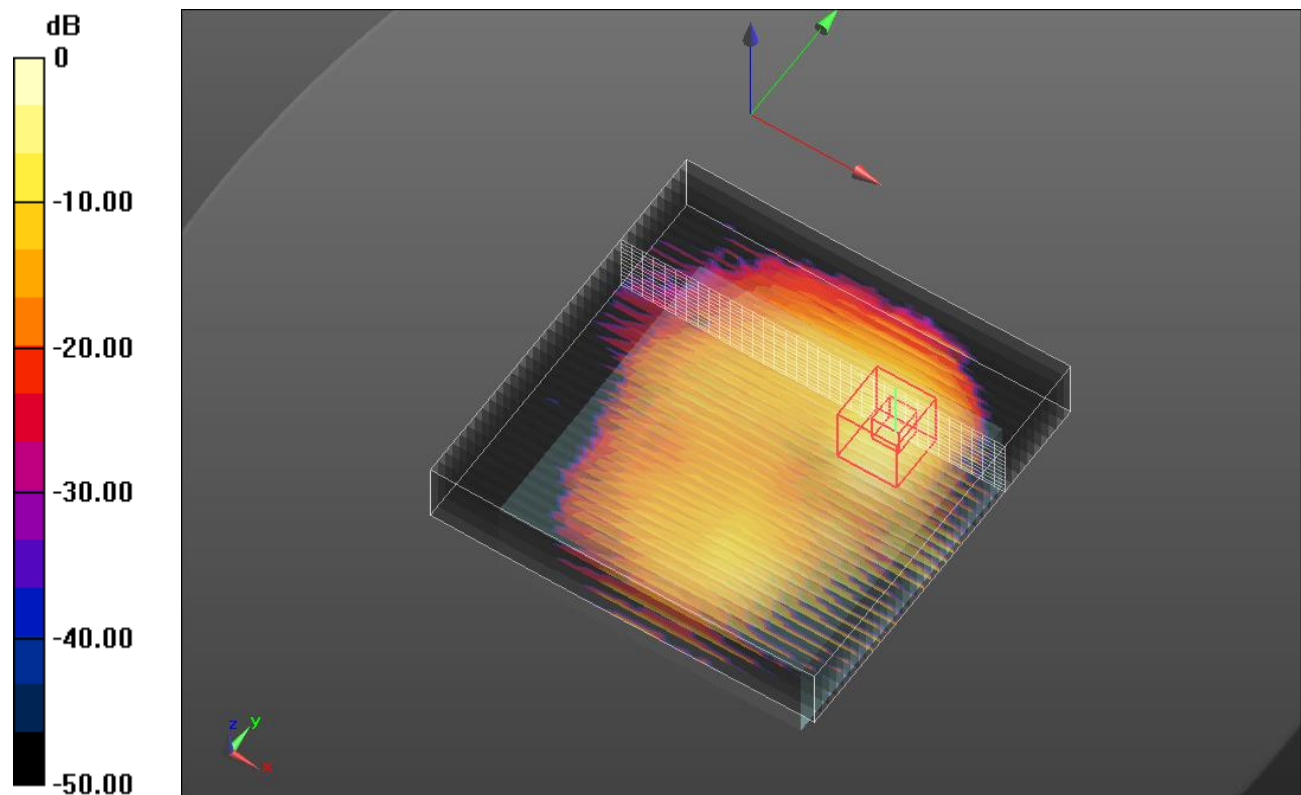
DASY Configuration for Front/802.11a Ch 140 Chain 0/Volume Scan:

DASY Configuration for Front/802.11a Ch 64 Chain 1/Volume Scan:

### Multi Band Result:

SAR(1 g) = 1.55 W/kg; SAR(10 g) = 0.634 W/kg

Maximum value of SAR (interpolated) = 4.64 W/kg



0 dB = 4.64 W/kg = 6.67 dBW/kg



## Wi-Fi 2.4GHz Module 1

Frequency: 2462 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.036 \text{ S/m}$ ;  $\epsilon_r = 53$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/27/2017
- Probe: EX3DV4 - SN3902; ConvF(7.89, 7.89, 7.89); Calibrated: 5/30/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1196

**Front/802.11b\_Ch 11 ANT 1/Area Scan (15x15x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.16 W/kg

**Front/802.11b\_Ch 11 ANT 1/Volume Scan (36x36x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.88 V/m; Power Drift = 0.06 dB

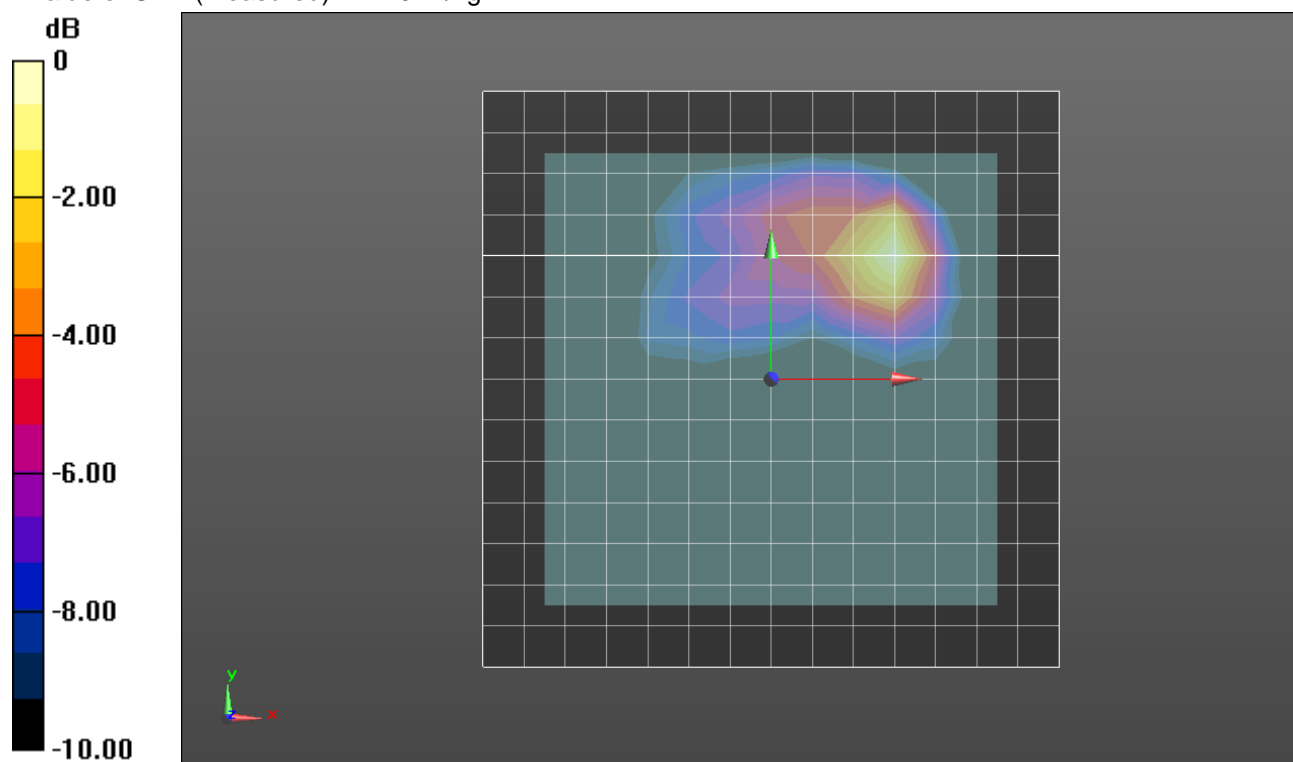
Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.279 W/kg**

Total Absorbed Power = 0.0138 W

[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 5GHz Module 1

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.703$  S/m;  $\epsilon_r = 47.758$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/8/2018
- Probe: EX3DV4 - SN3990; ConvF(4.58, 4.58, 4.58); Calibrated: 2/14/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a Ch 140 ANT 0/Area Scan (15x15x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.744 W/kg

**Front/802.11a Ch 140 ANT 0/Volume Scan (36x36x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

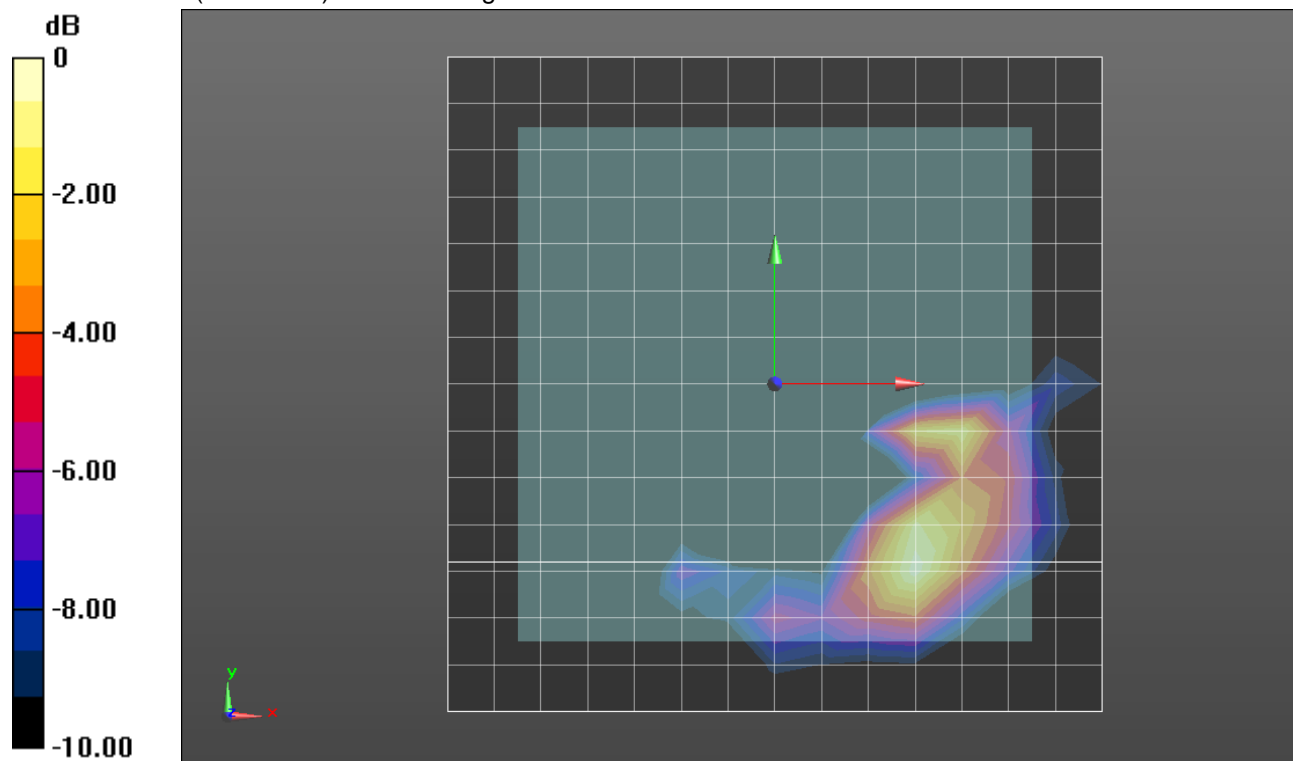
Reference Value = 9.586 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.102 W/kg**

Total Absorbed Power = 0.00346 W

Maximum value of SAR (measured) = 0.784 W/kg



0 dB = 0.784 W/kg = -1.06 dBW/kg

## Wi-Fi 5GHz Module 1

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.341 \text{ S/m}$ ;  $\epsilon_r = 46.914$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1357; Calibrated: 2/8/2018
- Probe: EX3DV4 - SN3990; ConvF(5.01, 5.01, 5.01); Calibrated: 2/14/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Front/802.11a Ch 64 ANT 1/Area Scan (15x15x1):** Measurement grid: dx=10mm, dy=10mm

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

**Front/802.11a Ch 64 ANT 1/Volume Scan (36x36x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

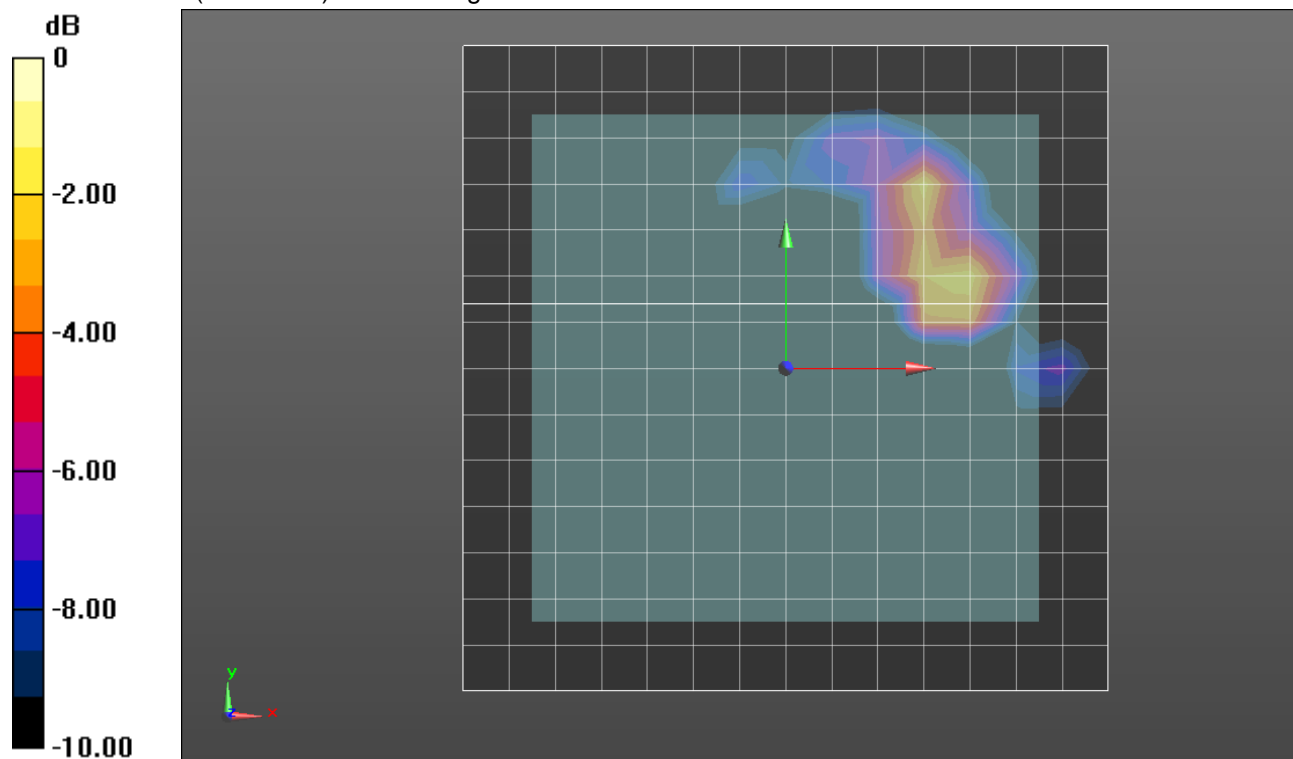
Reference Value = 16.04 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.52 W/kg

**SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.196 W/kg**

Total Absorbed Power = 0.00642 W

Maximum value of SAR (measured) = 1.72 W/kg



0 dB = 1.72 W/kg = 2.36 dBW/kg

## Multi-Band Average SAR

### Multi-Band Configurations:

DASY Configuration for Front/802.11b\_Ch 11 Chain 1/Volume Scan:

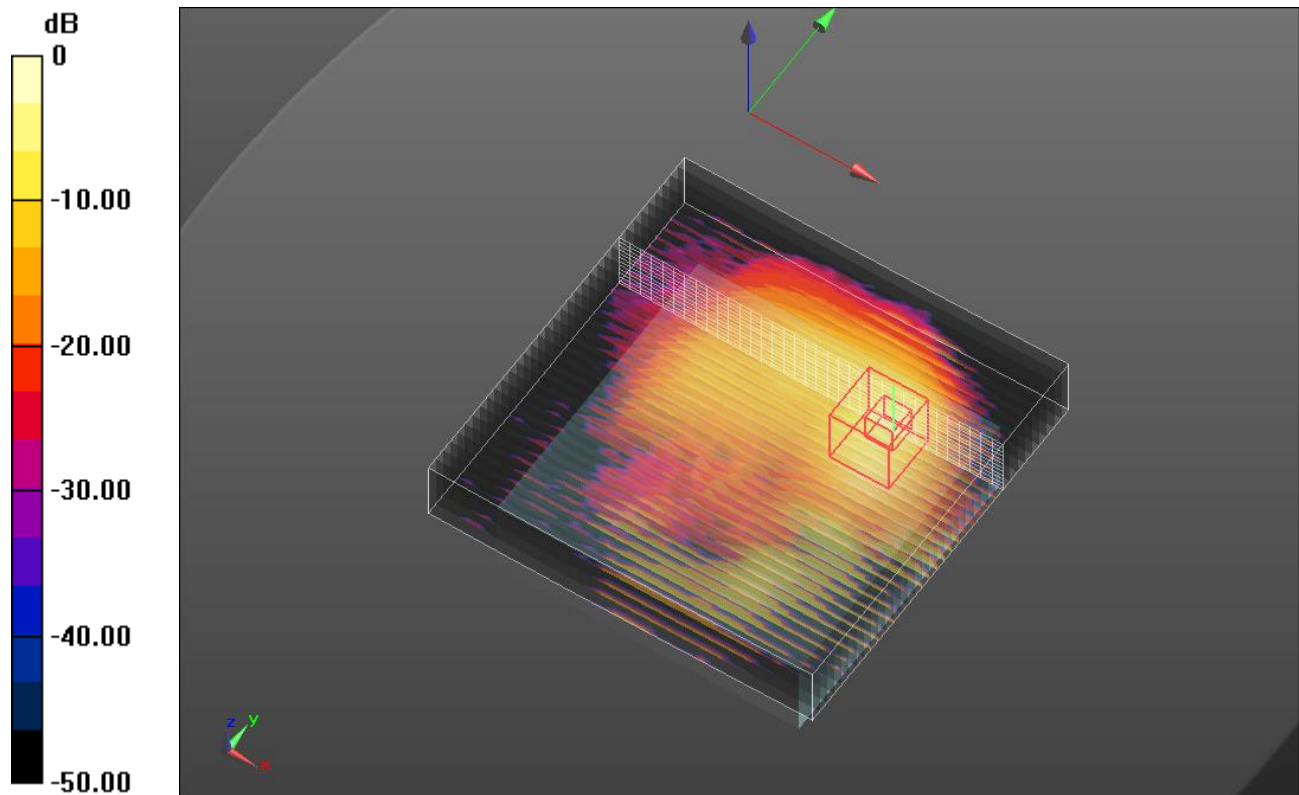
DASY Configuration for Front/802.11a Ch 140 Chain 0/Volume Scan:

DASY Configuration for Front/802.11a Ch 64 Chain 1/Volume Scan:

### Multi Band Result:

**SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.508 W/kg**

Maximum value of SAR (interpolated) = 3.82 W/kg



0 dB = 3.82 W/kg = 5.82 dBW/kg