

## 20130726\_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.295$  mho/m;  $\epsilon_r = 47.461$ ;  $\rho = 1000$  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
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1263; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3778; ConvF(4.14, 4.14, 4.14); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1134

**Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 52.403 V/m; Power Drift = -0.04 dB

**Fast SAR: SAR(1 g) = 7.48 mW/g; SAR(10 g) = 2.03 mW/g**

Maximum value of SAR (interpolated) = 19.340 mW/g

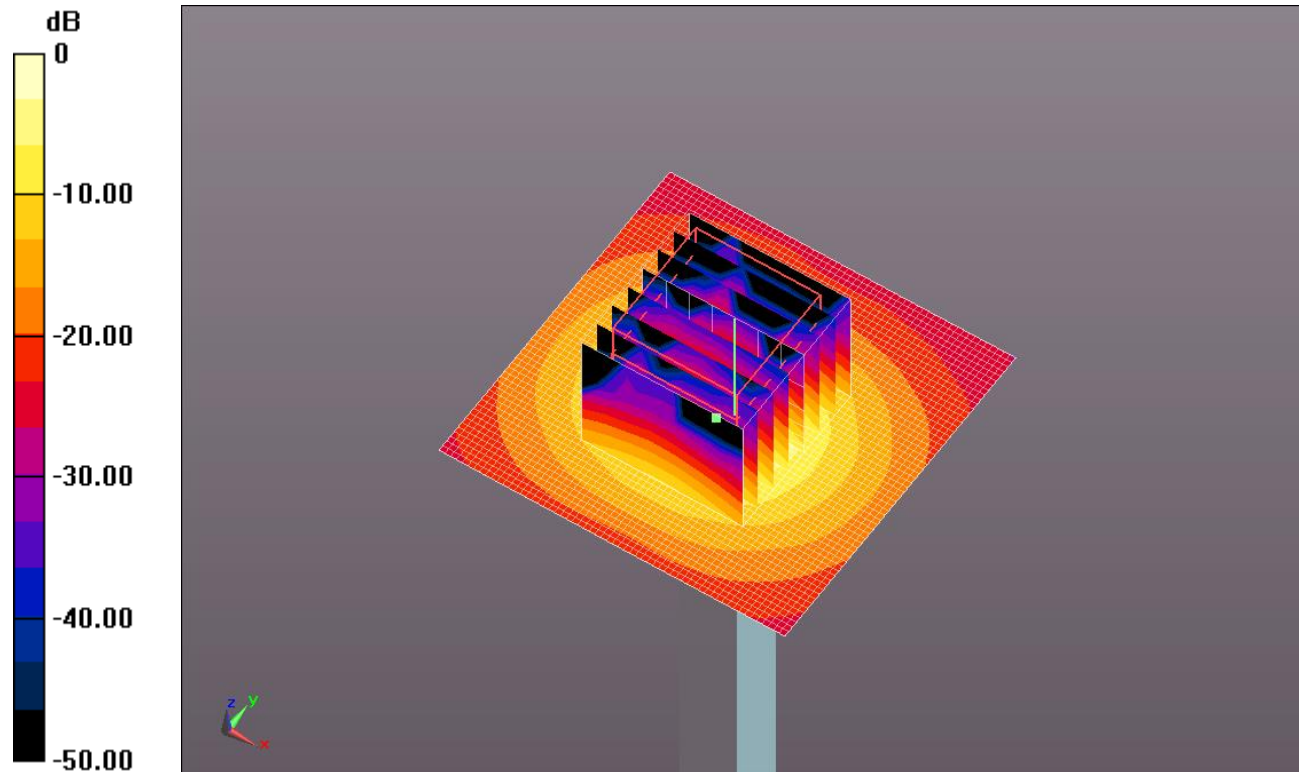
**Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 52.403 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.0030

**SAR(1 g) = 7.82 mW/g; SAR(10 g) = 2.19 mW/g**

Maximum value of SAR (measured) = 18.101 mW/g

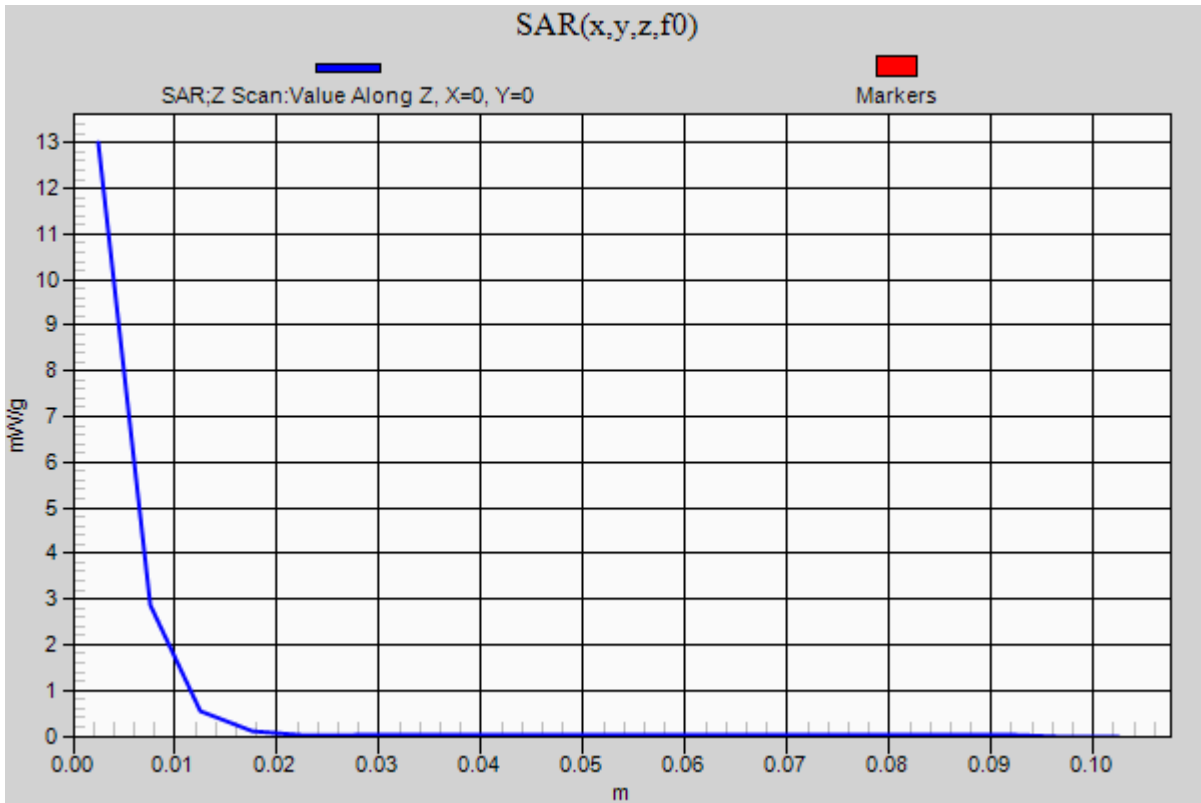


0 dB = 18.100mW/g = 25.15 dB mW/g

## 20130726\_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5200 MHz; Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 12.999 mW/g



## 20131106\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.25$  mho/m;  $\epsilon_r = 48.368$ ;  $\rho = 1000$  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
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1263; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3778; ConvF(4.14, 4.14, 4.14); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

**Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 52.161 V/m; Power Drift = 0.11 dB

**Fast SAR: SAR(1 g) = 6.73 mW/g; SAR(10 g) = 1.83 mW/g**

Maximum value of SAR (interpolated) = 17.789 mW/g

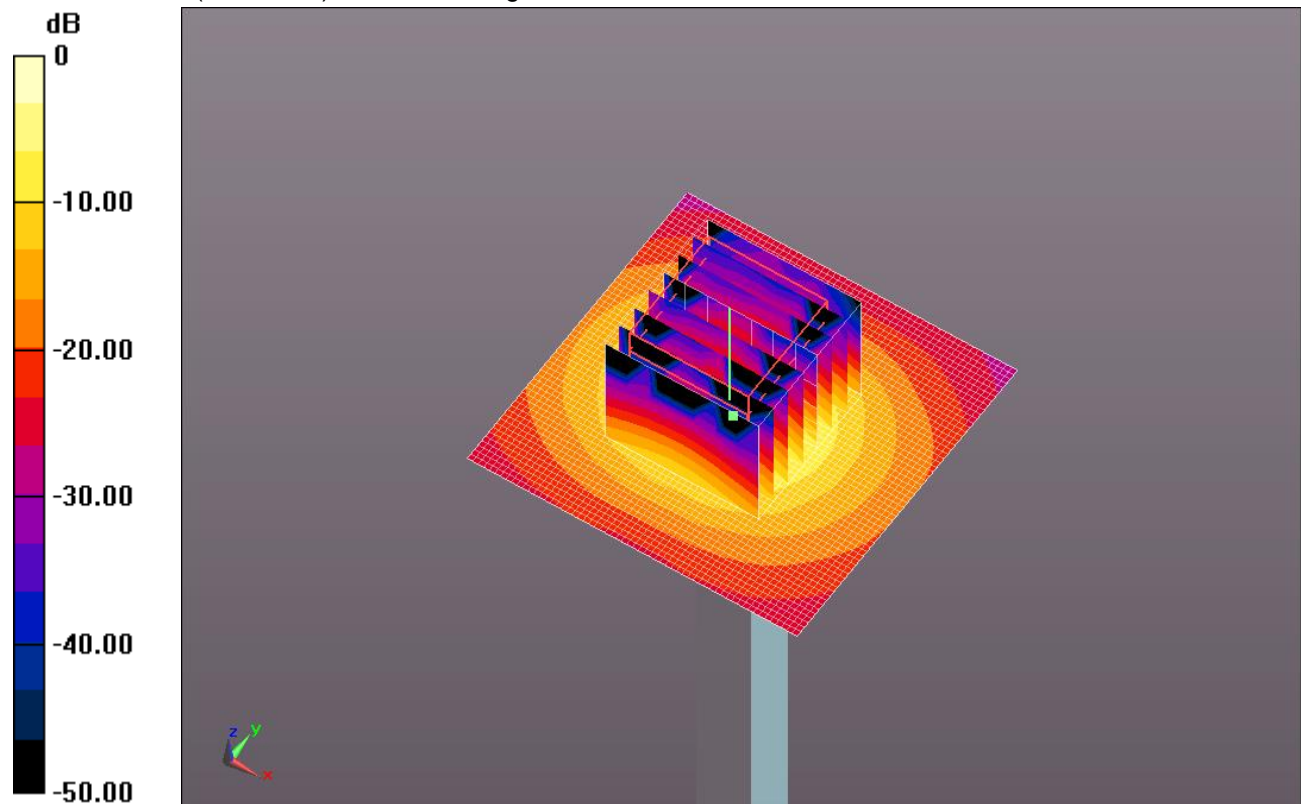
**Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 52.161 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 28.9780

**SAR(1 g) = 7.23 mW/g; SAR(10 g) = 2.02 mW/g**

Maximum value of SAR (measured) = 17.039 mW/g

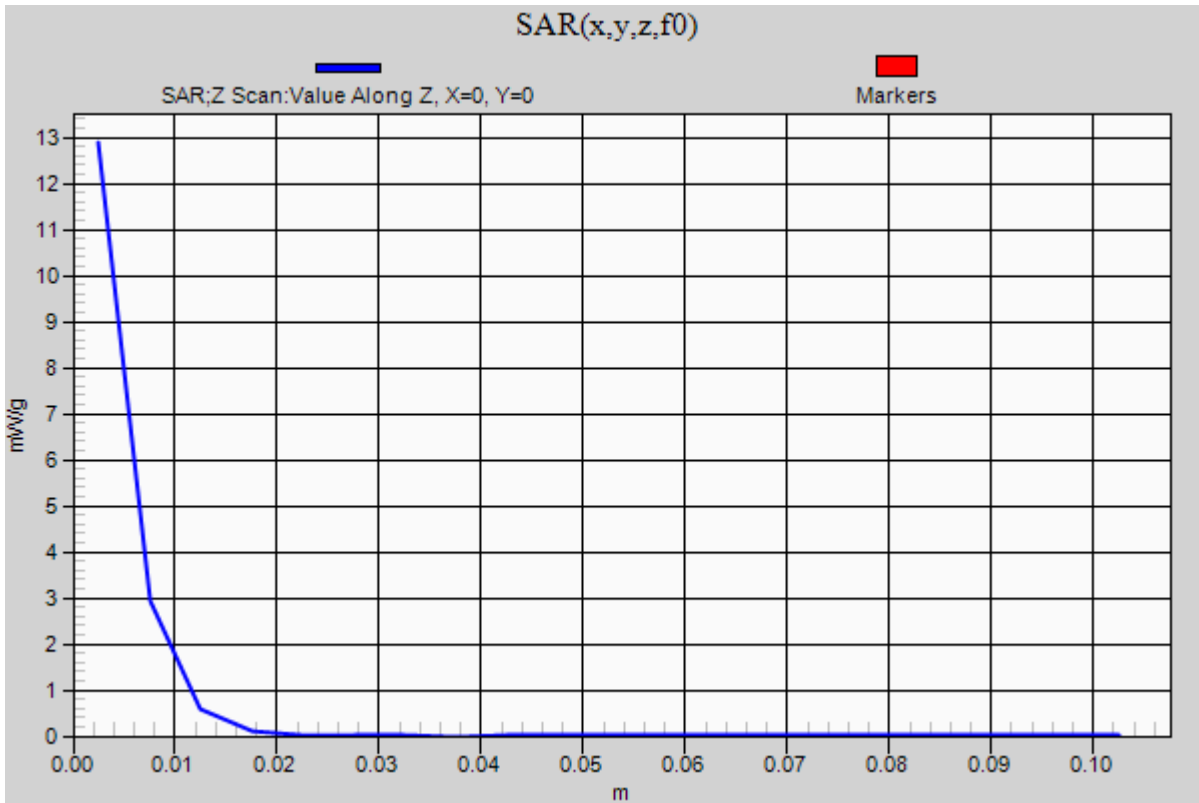


0 dB = 17.040mW/g = 24.63 dB mW/g

### 20131106\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5200 MHz; Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 12.878 mW/g



## 20130723\_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.169$  mho/m;  $\epsilon_r = 48.663$ ;  $\rho = 1000$  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
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(4.12, 4.12, 4.12); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

### Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 50.398 V/m; Power Drift = 0.08 dB

**Fast SAR: SAR(1 g) = 7.81 mW/g; SAR(10 g) = 2.14 mW/g**

Maximum value of SAR (interpolated) = 19.952 mW/g

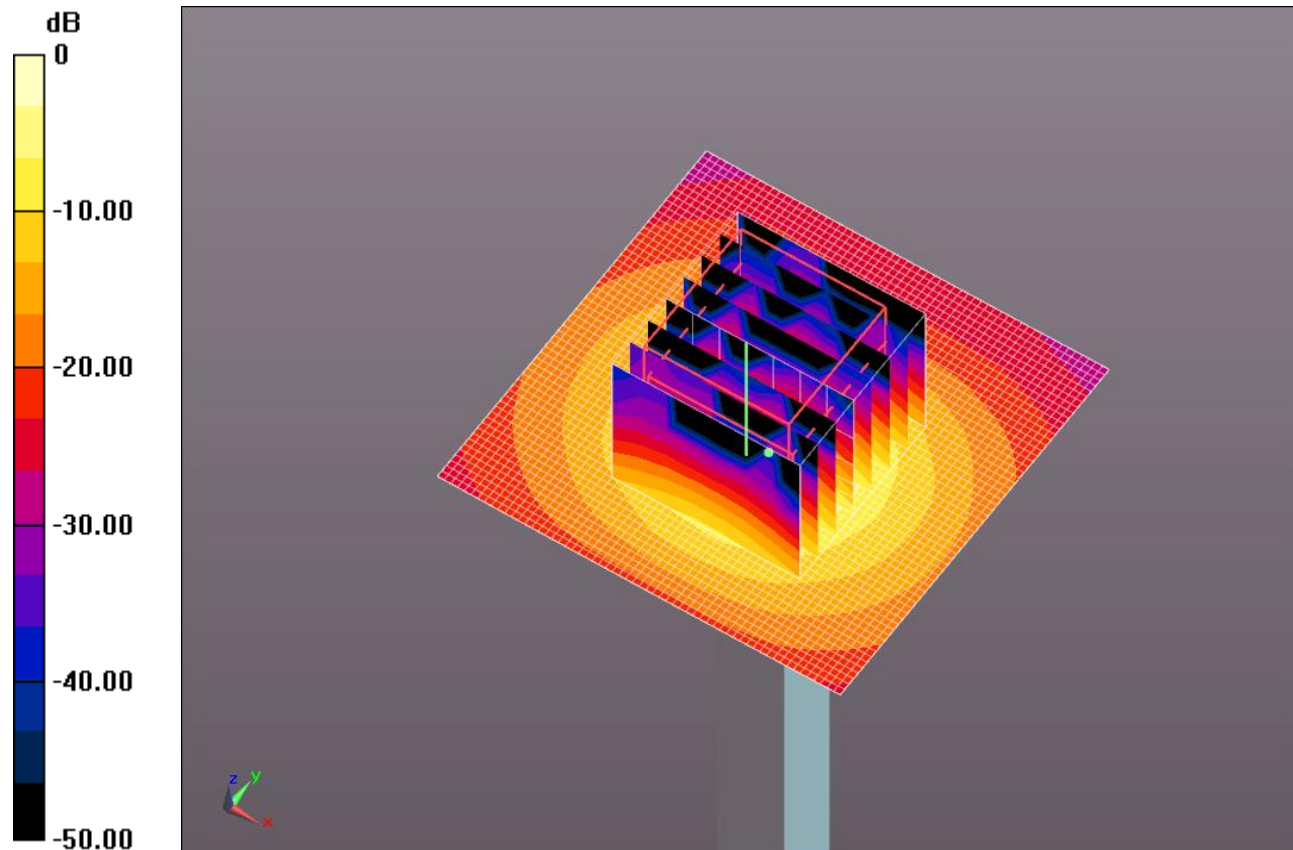
### Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.398 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 31.8460

**SAR(1 g) = 8.01 mW/g; SAR(10 g) = 2.25 mW/g**

Maximum value of SAR (measured) = 18.766 mW/g

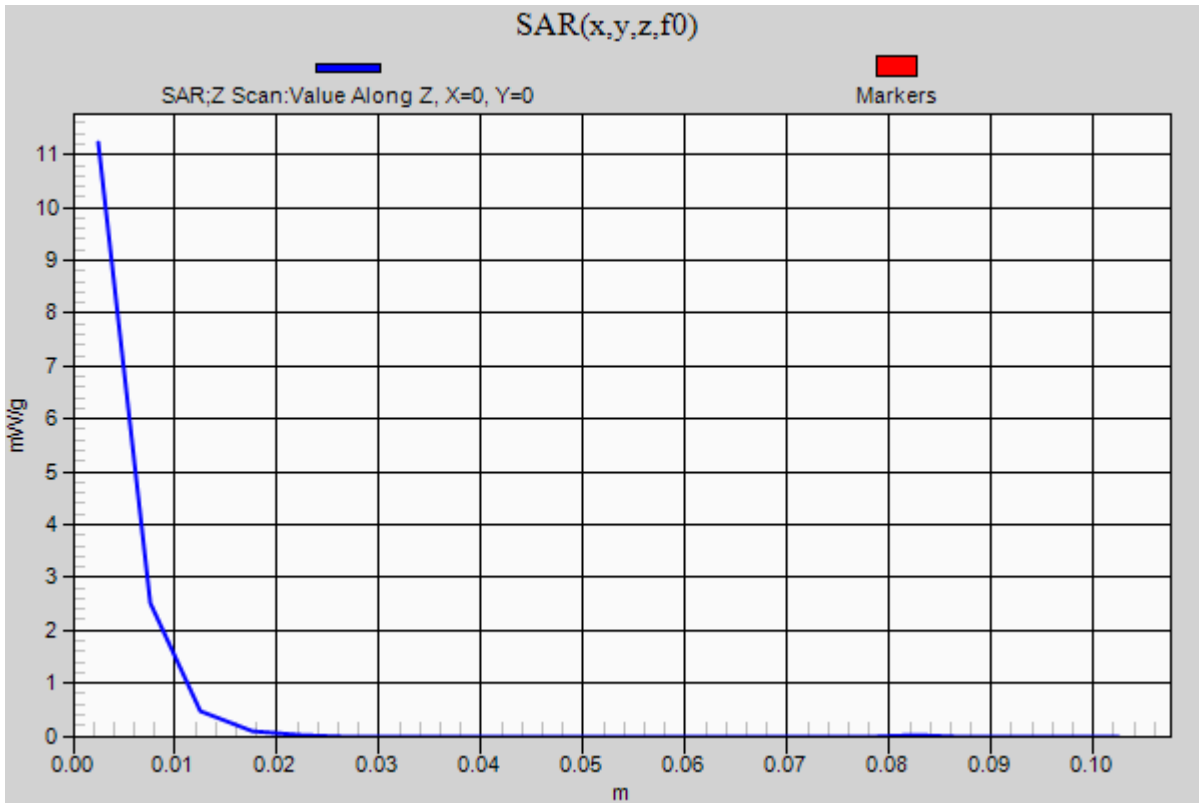


0 dB = 18.770mW/g = 25.47 dB mW/g

### 20130723\_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5200 MHz; Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 11.226 mW/g



## 20131106\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.169$  mho/m;  $\epsilon_r = 48.663$ ;  $\rho = 1000$  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
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(4.12, 4.12, 4.12); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

**Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 52.503 V/m; Power Drift = 0.13 dB

**Fast SAR: SAR(1 g) = 8.4 mW/g; SAR(10 g) = 2.3 mW/g**

Maximum value of SAR (interpolated) = 21.972 mW/g

**Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,

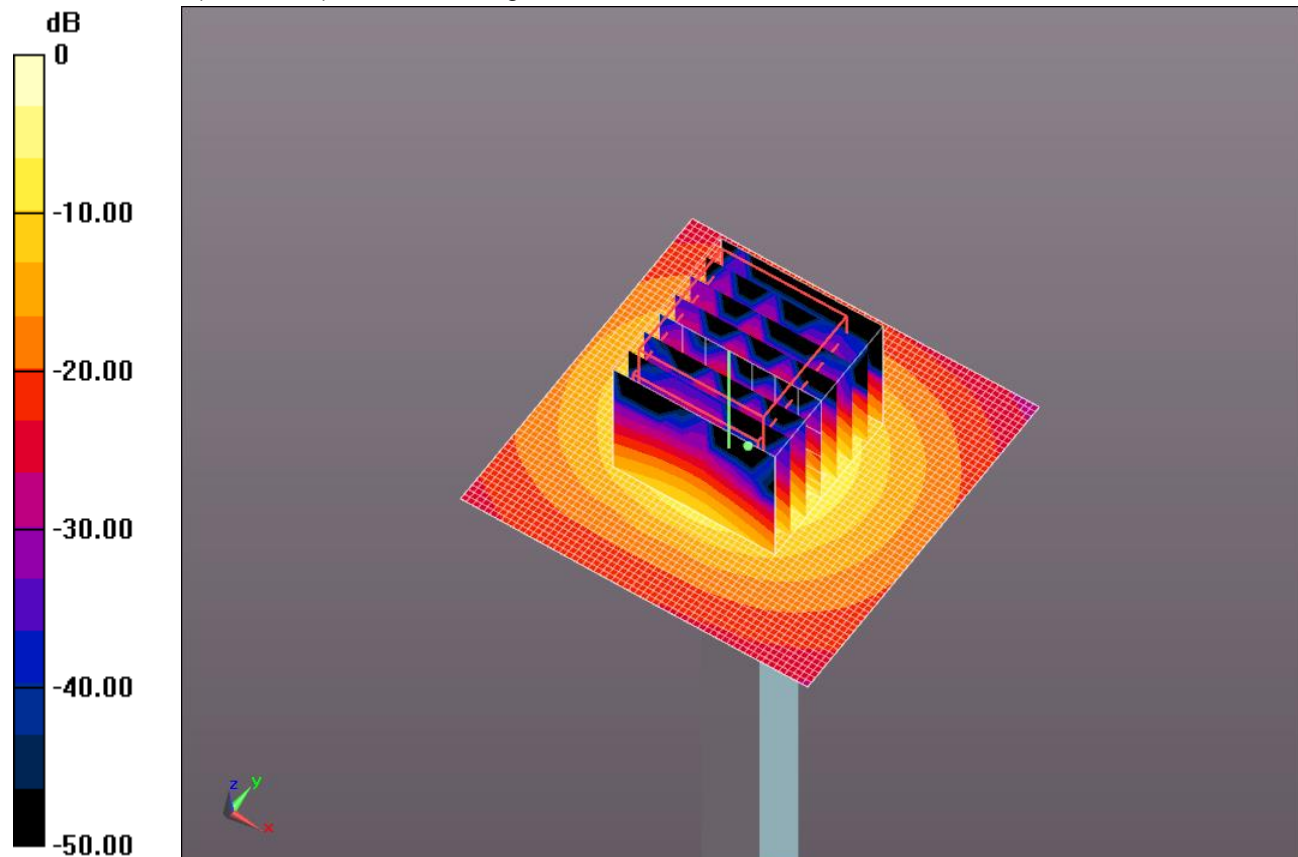
dz=1.4mm

Reference Value = 52.503 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 29.8820

**SAR(1 g) = 7.5 mW/g; SAR(10 g) = 2.09 mW/g**

Maximum value of SAR (measured) = 18.080 mW/g

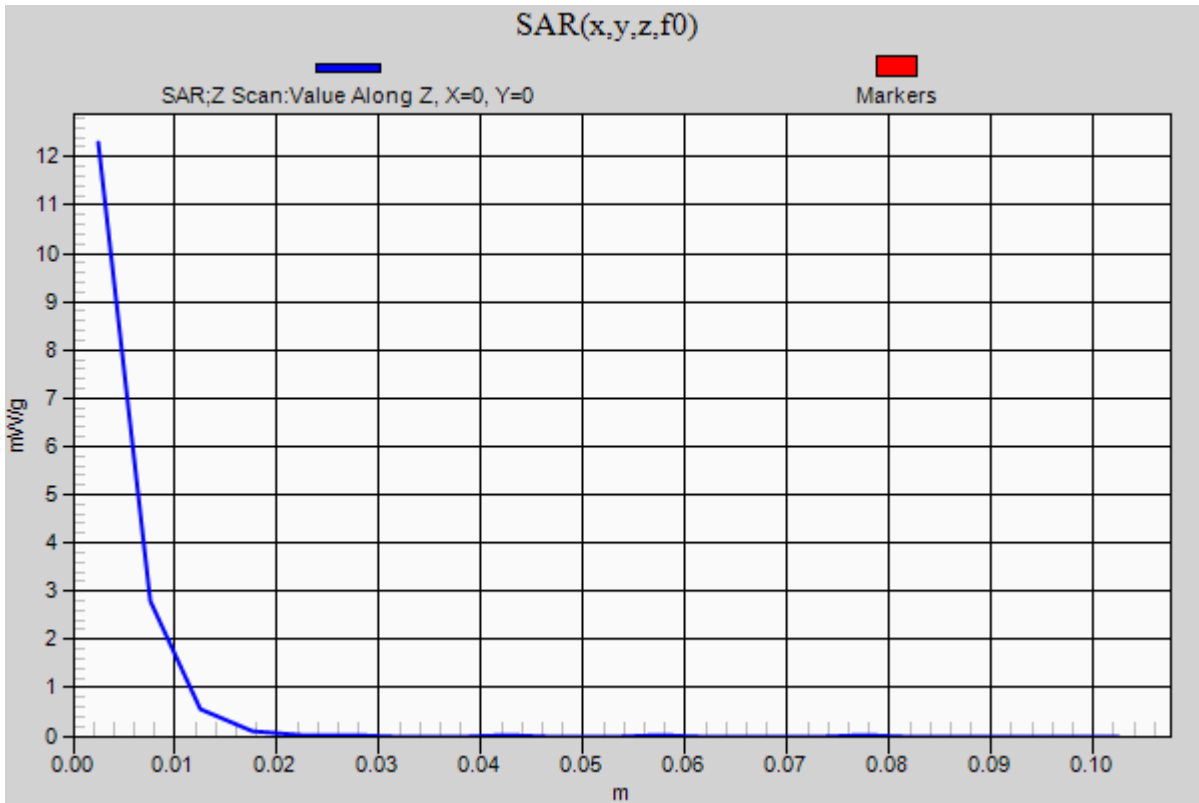


0 dB = 18.080mW/g = 25.14 dB mW/g

### 20131106\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5200 MHz; Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 12.290 mW/g





## 20130717\_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.846$  mho/m;  $\epsilon_r = 47.76$ ;  $\rho = 1000$  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 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(3.54, 3.54, 3.54); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

### Body/5.6 GHz Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 51.767 V/m; Power Drift = 0.14 dB

**Fast SAR: SAR(1 g) = 7.47 mW/g; SAR(10 g) = 2.08 mW/g**

Maximum value of SAR (interpolated) = 20.092 mW/g

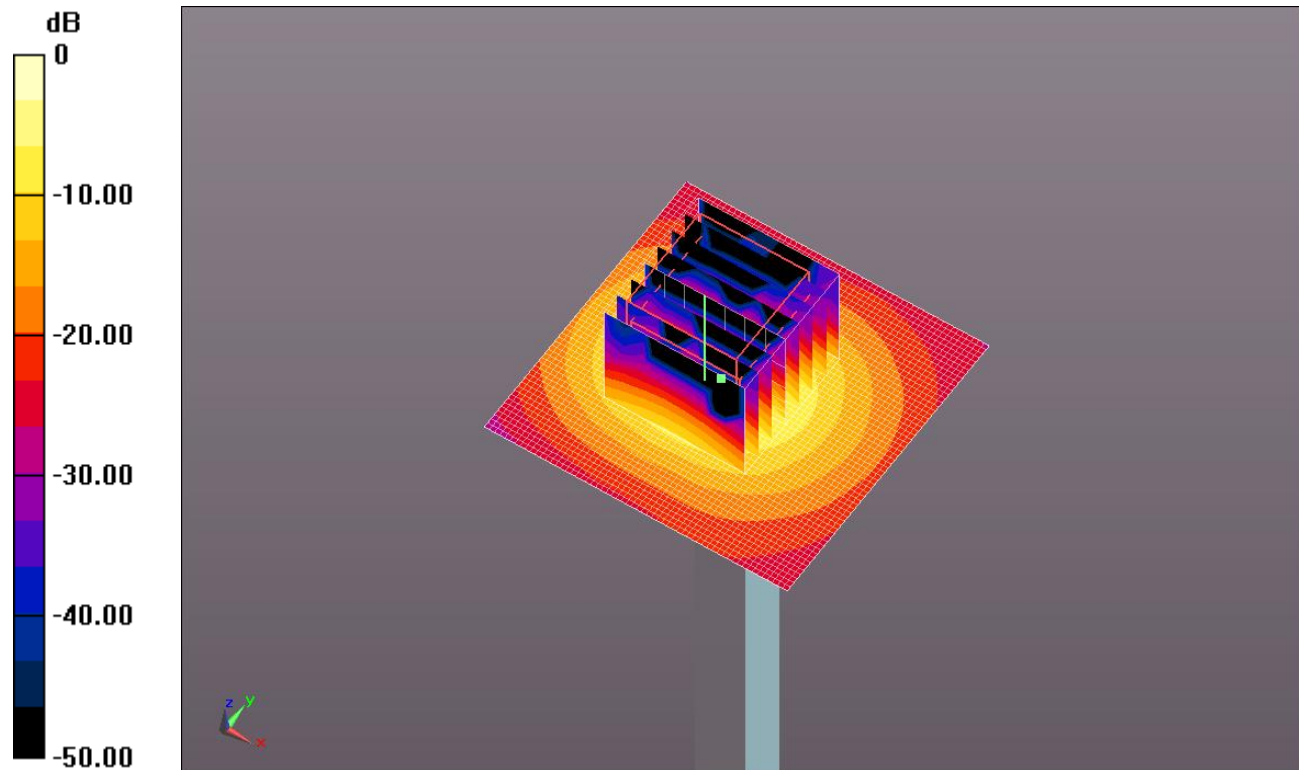
### Body/5.6 GHz Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.767 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 32.1670

**SAR(1 g) = 8.31 mW/g; SAR(10 g) = 2.33 mW/g**

Maximum value of SAR (measured) = 19.495 mW/g

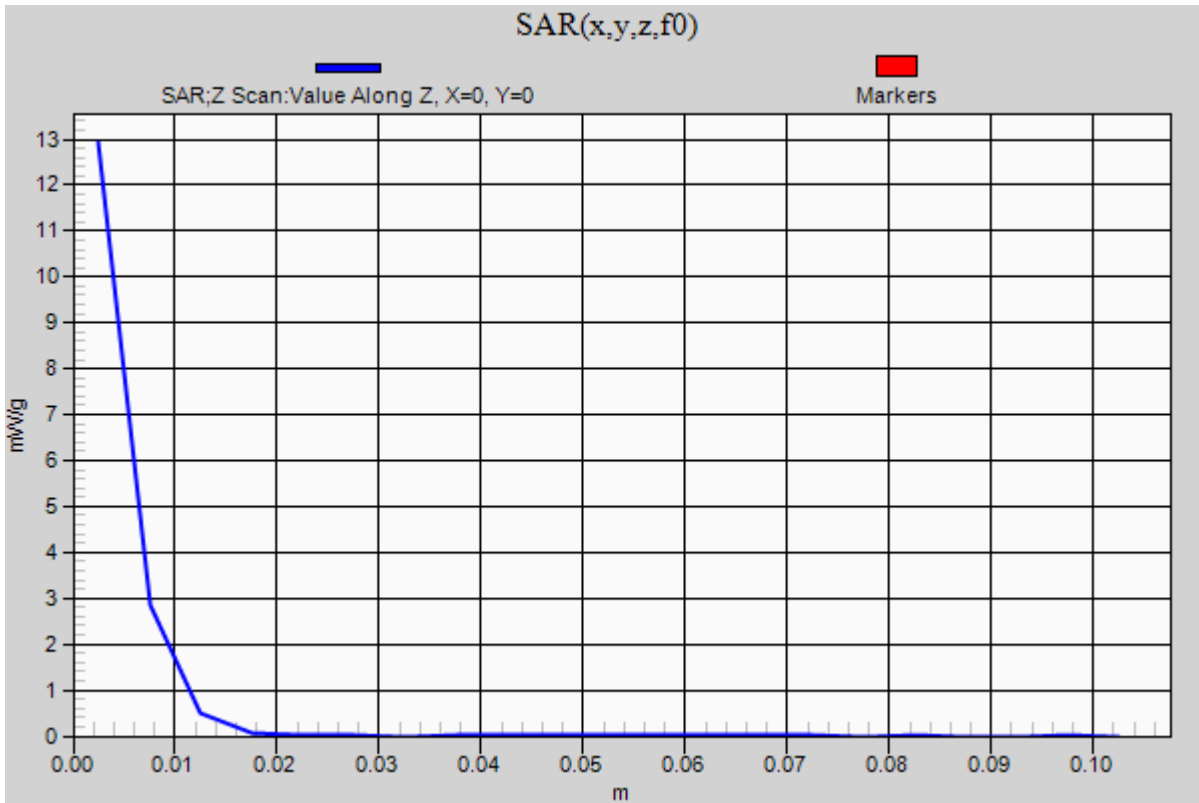


0 dB = 19.490mW/g = 25.80 dB mW/g

### 20130717\_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5600 MHz; Duty Cycle: 1:1

**Body/5.6 GHz Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 12.924 mW/g



## 20130726\_SystemPerformanceCheck-D2450V2 SN 826

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.984 \text{ mho/m}$ ;  $\epsilon_r = 51.434$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(6.91, 6.91, 6.91); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

**Body/Pin=100 mW/Area Scan (71x71x1):** Measurement grid: dx=12mm, dy=12mm

Reference Value = 61.275 V/m; Power Drift = 0.03 dB

**Fast SAR: SAR(1 g) = 5.2 mW/g; SAR(10 g) = 2.23 mW/g**

Maximum value of SAR (interpolated) = 7.648 mW/g

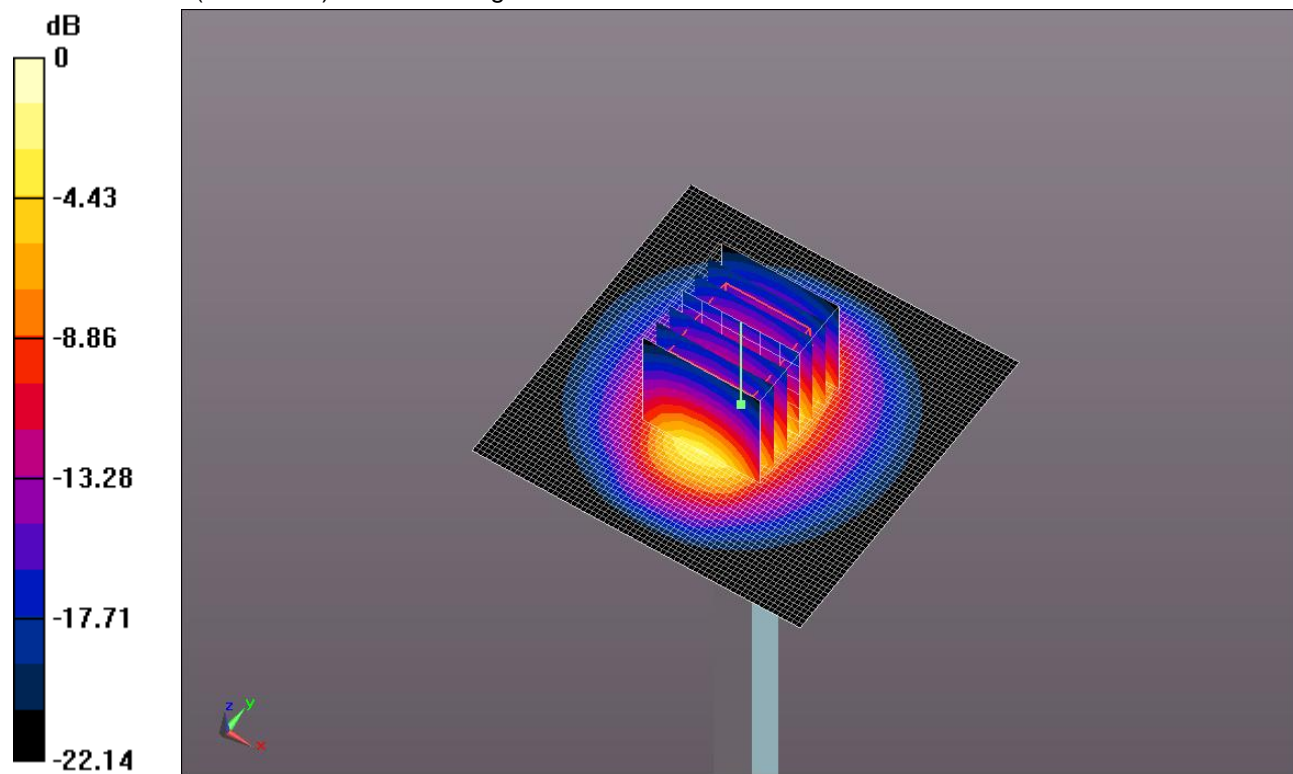
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.275 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 10.8590

**SAR(1 g) = 5.21 mW/g; SAR(10 g) = 2.39 mW/g**

Maximum value of SAR (measured) = 7.454 mW/g

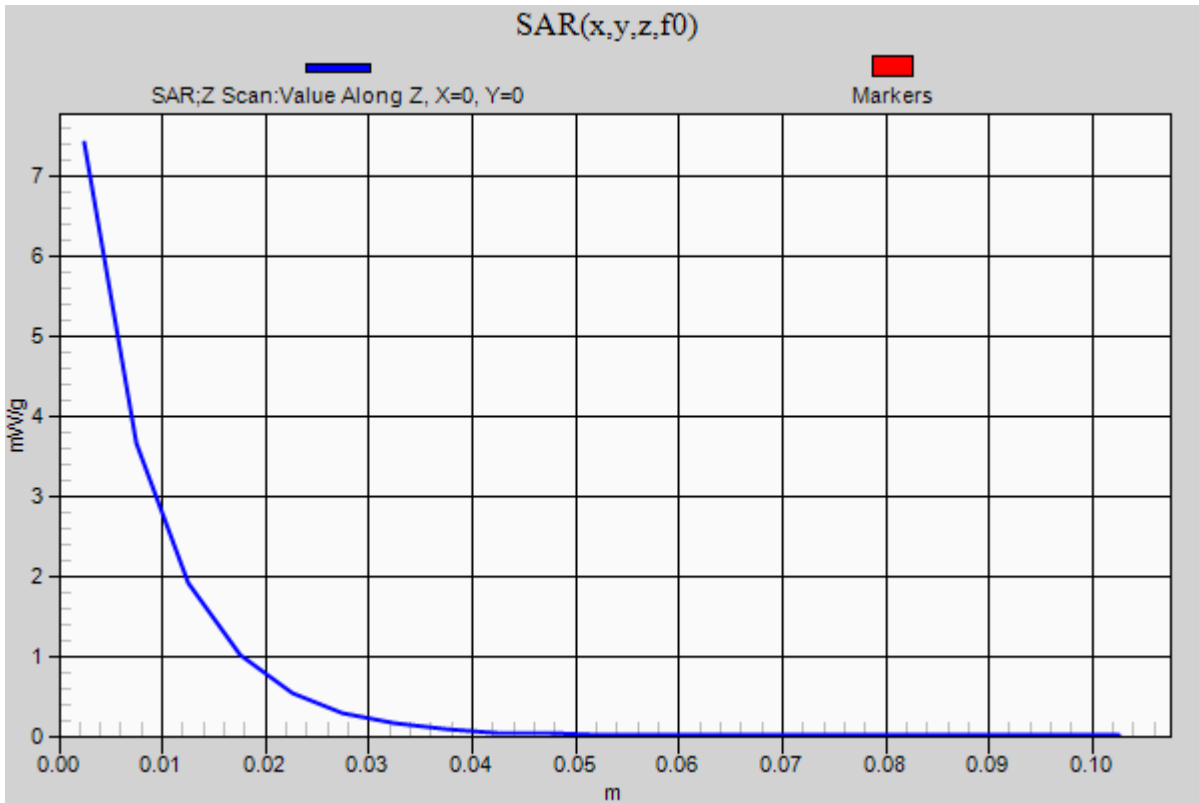


0 dB = 7.450mW/g = 17.44 dB mW/g

### 20130726\_SystemPerformanceCheck-D2450V2 SN 826

Frequency: 2450 MHz; Duty Cycle: 1:1

**Body/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 7.421 mW/g



## 20130715\_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.116$  mho/m;  $\epsilon_r = 47.482$ ;  $\rho = 1000$  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

- Averaged Fast SAR: Polynomial fit

- Electronics: DAE4 Sn1278; Calibrated: 1/30/2013

- Probe: EX3DV4 - SN3676; ConvF(3.92, 3.92, 3.92); Calibrated: 1/14/2013

- Sensor-Surface: 2.5mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)

- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

**Body/5.8 GHz, Pin=100mW/Area Scan (61x61x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 53.343 V/m; Power Drift = -0.06 dB

**Fast SAR: SAR(1 g) = 7.67 mW/g; SAR(10 g) = 2.07 mW/g**

Maximum value of SAR (interpolated) = 14.643 mW/g

**Body/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,

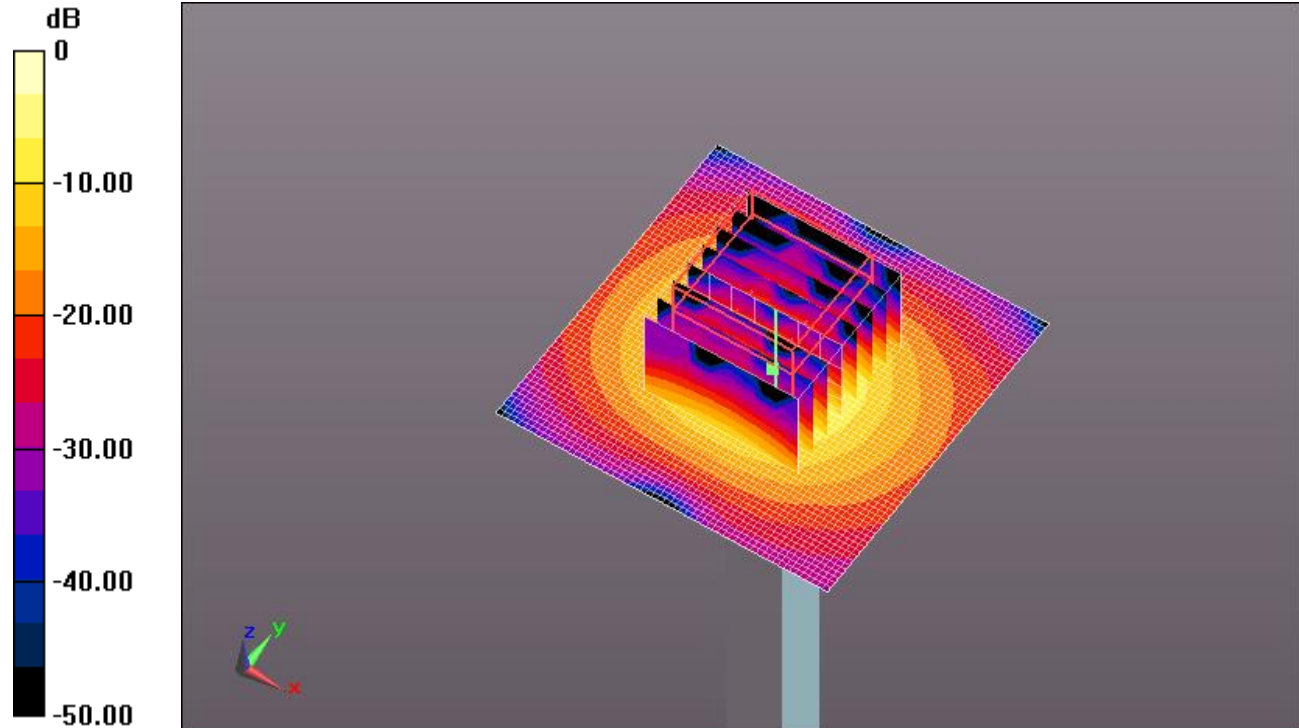
dz=1.4mm

Reference Value = 53.343 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 32.8030

**SAR(1 g) = 7.88 mW/g; SAR(10 g) = 2.19 mW/g**

Maximum value of SAR (measured) = 19.247 mW/g

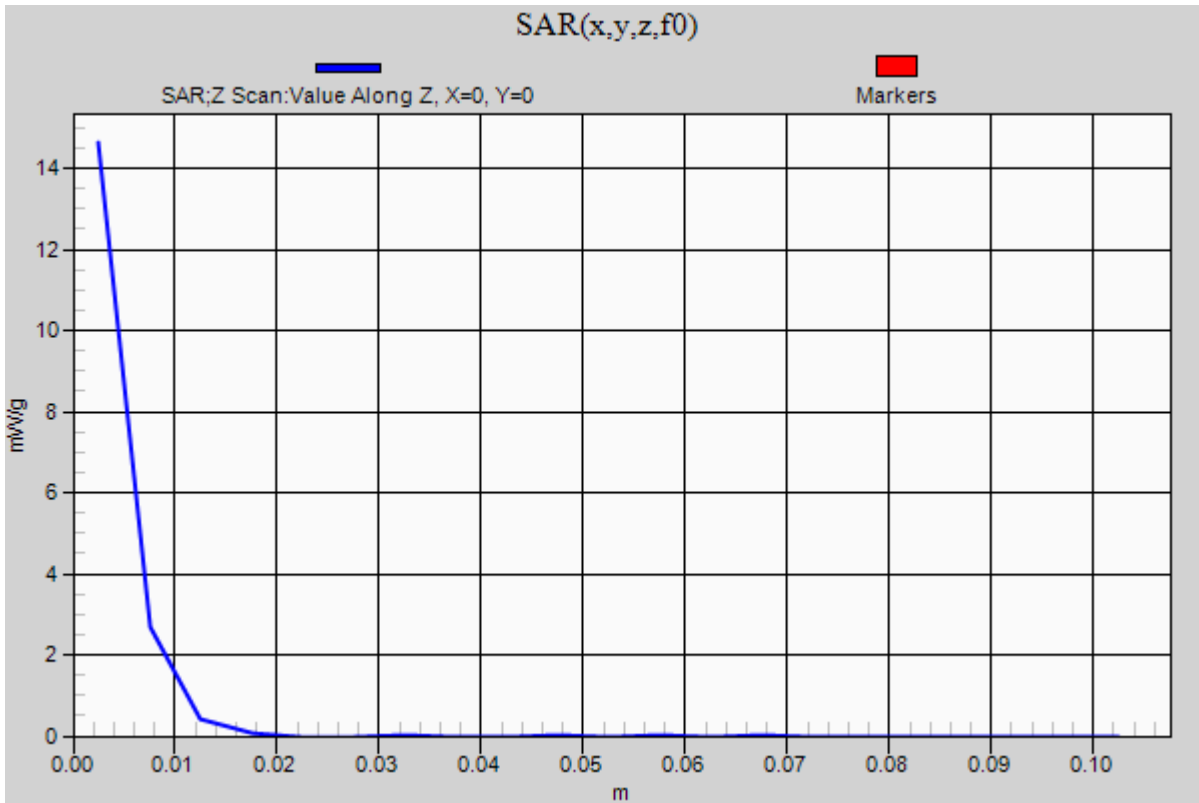


0 dB = 19.250mW/g = 25.69 dB mW/g

### 20130715\_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5800 MHz; Duty Cycle: 1:1

**Body/5.8 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 14.629 mW/g



## 20130726\_SystemPerformanceCheck-D2450V2 SN 826

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.983 \text{ mho/m}$ ;  $\epsilon_r = 51.757$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(6.95, 6.95, 6.95); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

**Body/Pin=100 mW/Area Scan (71x71x1):** Measurement grid: dx=12mm, dy=12mm

Reference Value = 61.060 V/m; Power Drift = -0.10 dB

**Fast SAR: SAR(1 g) = 5.03 mW/g; SAR(10 g) = 2.17 mW/g**

Maximum value of SAR (interpolated) = 7.361 mW/g

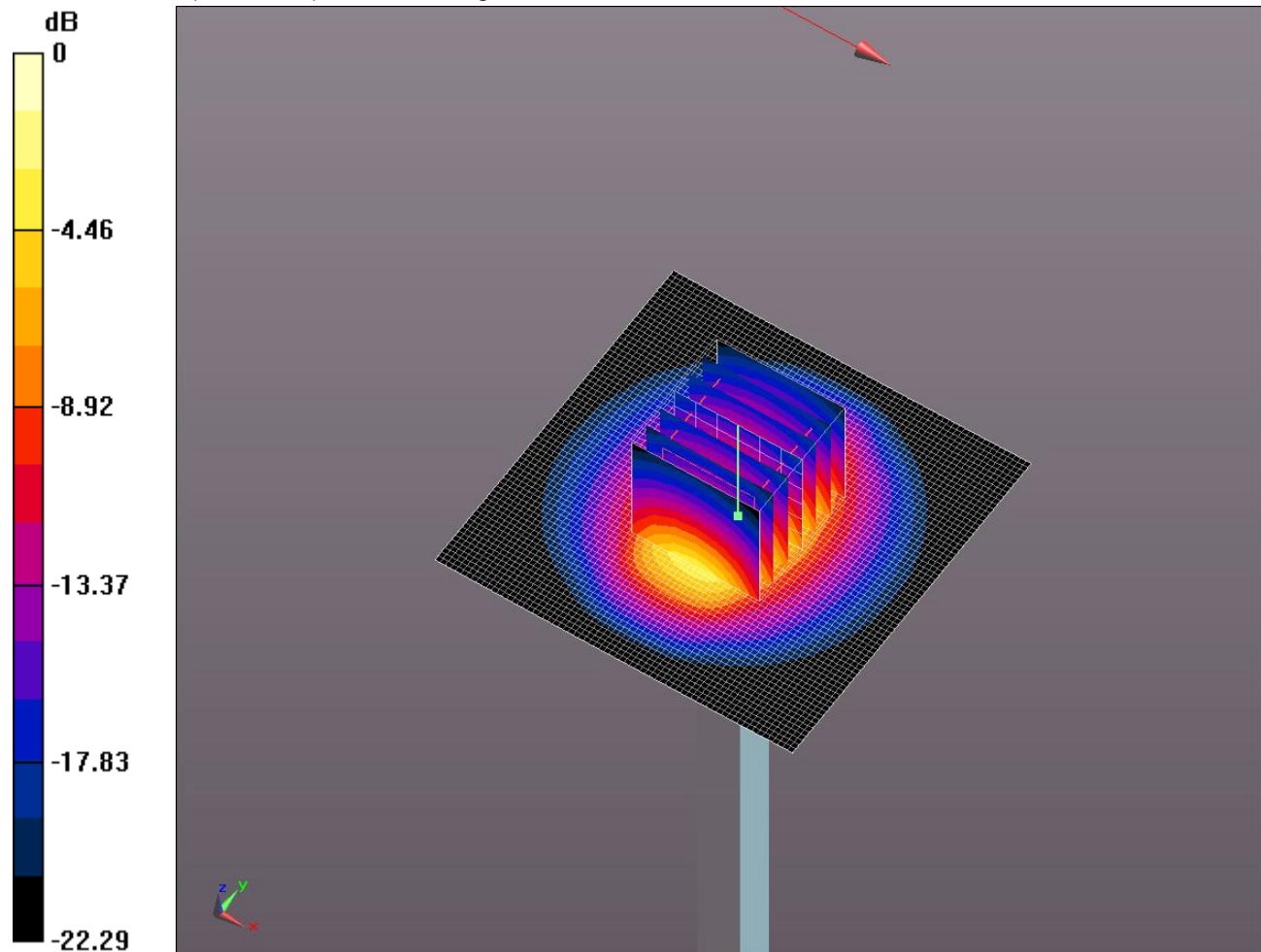
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.060 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 10.5760

**SAR(1 g) = 5.1 mW/g; SAR(10 g) = 2.34 mW/g**

Maximum value of SAR (measured) = 7.254 mW/g

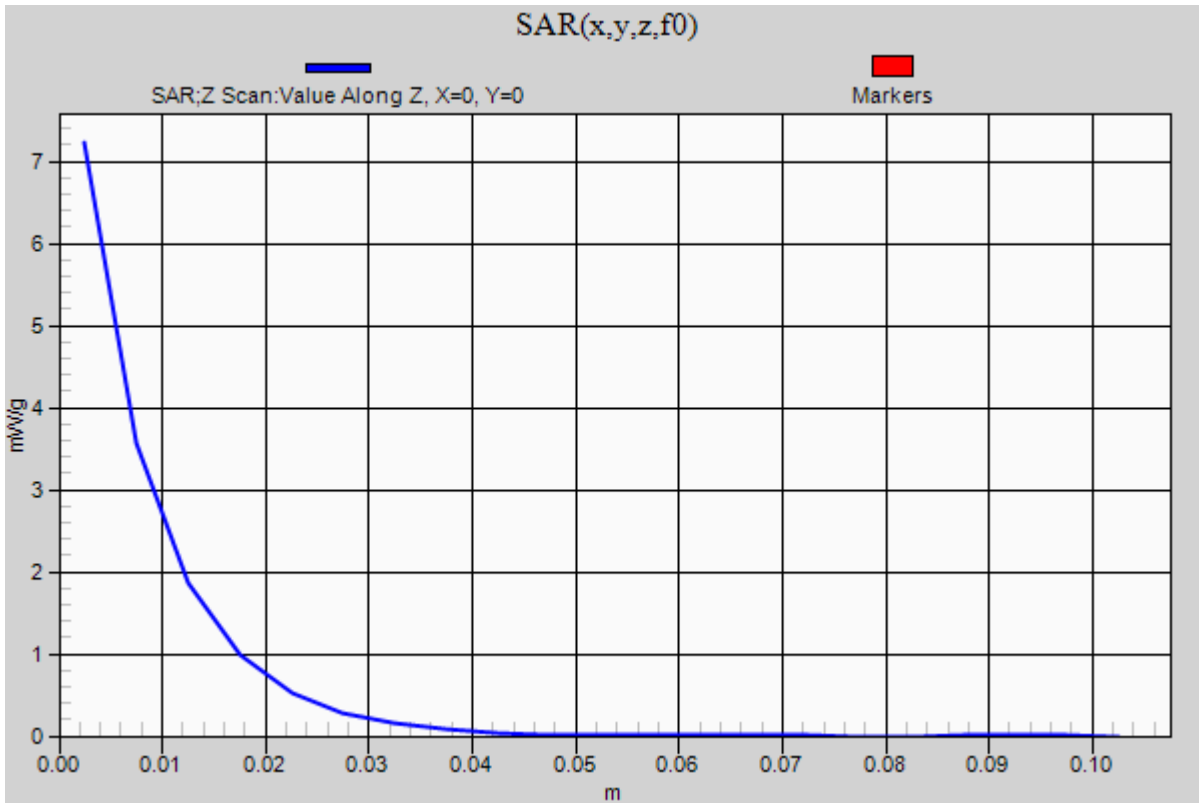


0 dB = 7.250mW/g = 17.21 dB mW/g

### 20130726\_SystemPerformanceCheck-D2450V2 SN 826

Frequency: 2450 MHz; Duty Cycle: 1:1

**Body/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 7.229 mW/g





## 2.4GHz Band

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;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.938$ ;  $\rho = 1000$  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 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(6.91, 6.91, 6.91); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

**Rear/802.11b\_Chain 1,0\_Ch 6/Area Scan (9x26x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.837 mW/g

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

Reference Value = 28.545 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.4320

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.468 mW/g**

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

Maximum value of SAR (measured) = 2.170 mW/g

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

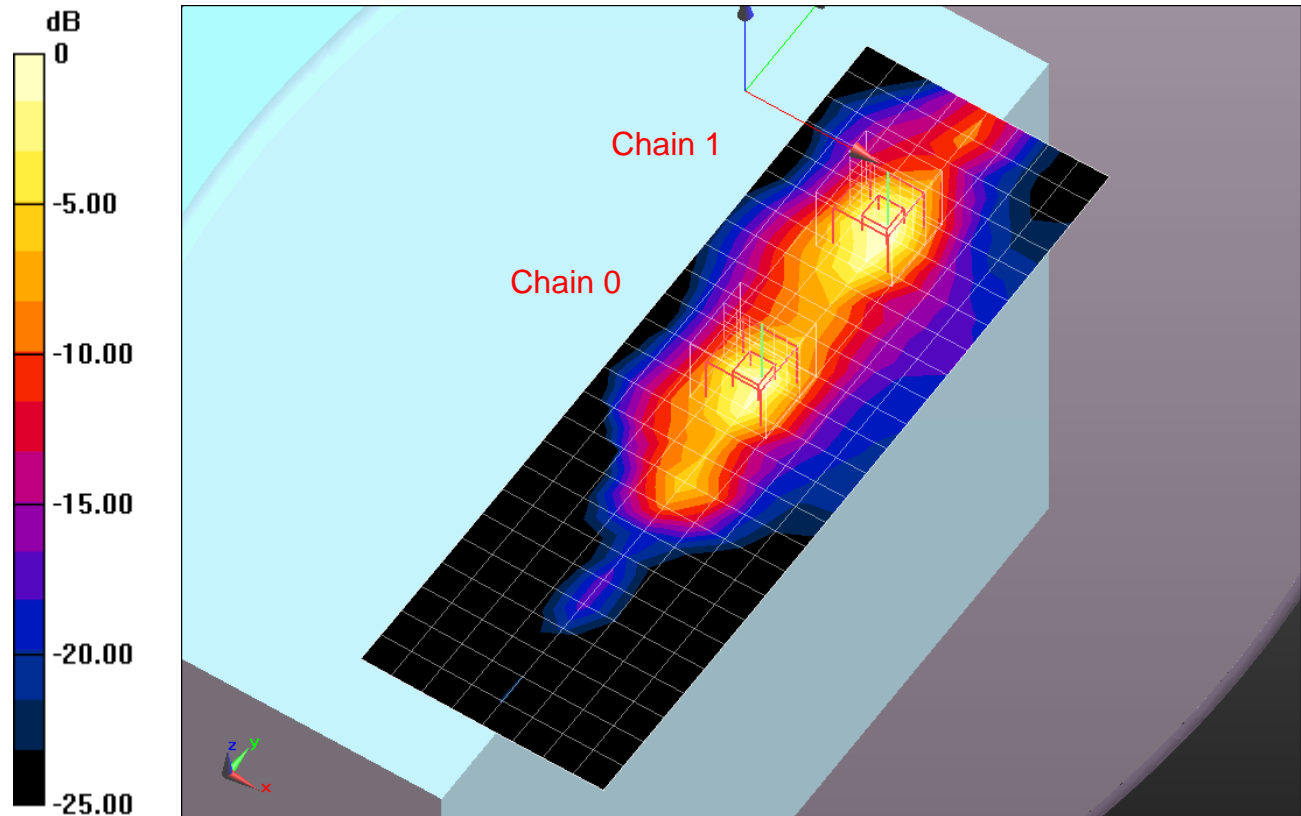
Reference Value = 28.545 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.6240

**SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.368 mW/g**

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

Maximum value of SAR (measured) = 1.570 mW/g



0 dB = 1.570mW/g = 3.92 dB mW/g

## 5.8 GHz Band

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.041 \text{ mho/m}$ ;  $\epsilon_r = 47.552$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(3.89, 3.89, 3.89); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

**Rear/802.11a\_Chain 1\_Ch 149/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.536 mW/g

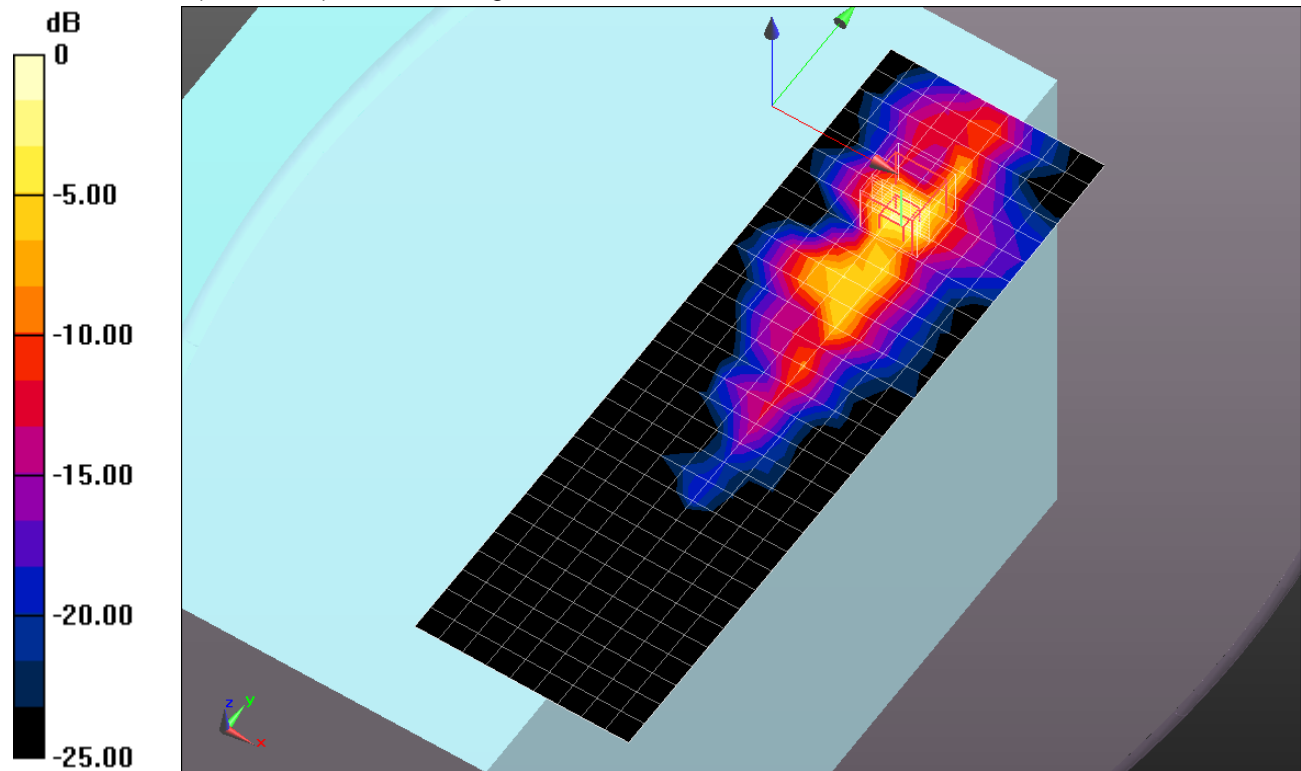
**Rear/802.11a\_Chain 1\_Ch 149/Zoom Scan (7x7x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.753 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.3540

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.298 mW/g**

Maximum value of SAR (measured) = 2.943 mW/g



0 dB = 2.940mW/g = 9.37 dB mW/g

## 5.2 GHz

Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.347$  mho/m;  $\epsilon_r = 47.394$ ;  $\rho = 1000$  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 Sn1263; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3778; ConvF(4.14, 4.14, 4.14); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1134

**Rear/802.11a\_Chain 0\_Ch 48/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 1.934 mW/g

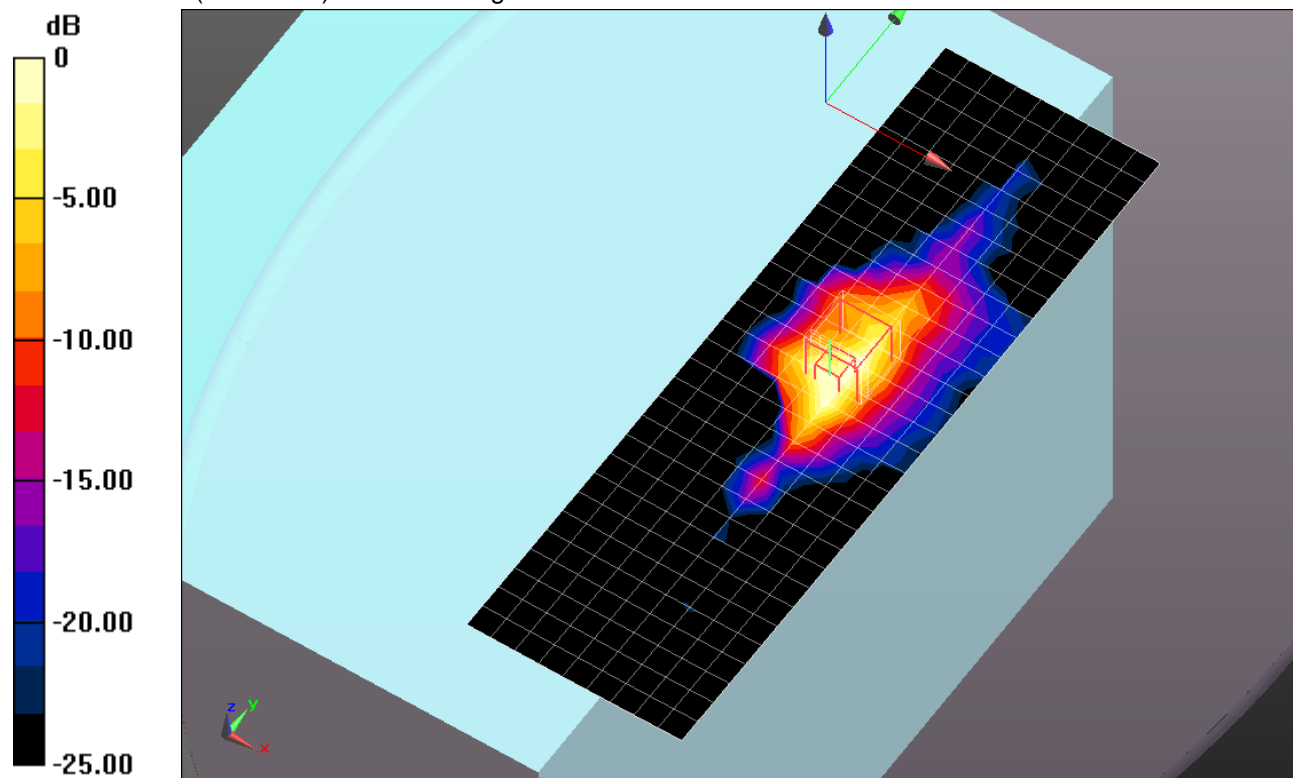
**Rear/802.11a\_Chain 0\_Ch 48/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.430 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.3050

**SAR(1 g) = 0.935 mW/g; SAR(10 g) = 0.286 mW/g**

Maximum value of SAR (measured) = 1.991 mW/g



0 dB = 1.990mW/g = 5.98 dB mW/g

### 5.3 GHz Band

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.447 \text{ mho/m}$ ;  $\epsilon_r = 47.737$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(4.09, 4.09, 4.09); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

**Rear/802.11a\_Chain 2\_Ch 64/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.747 mW/g

**Rear/802.11a\_Chain 2\_Ch 64/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,

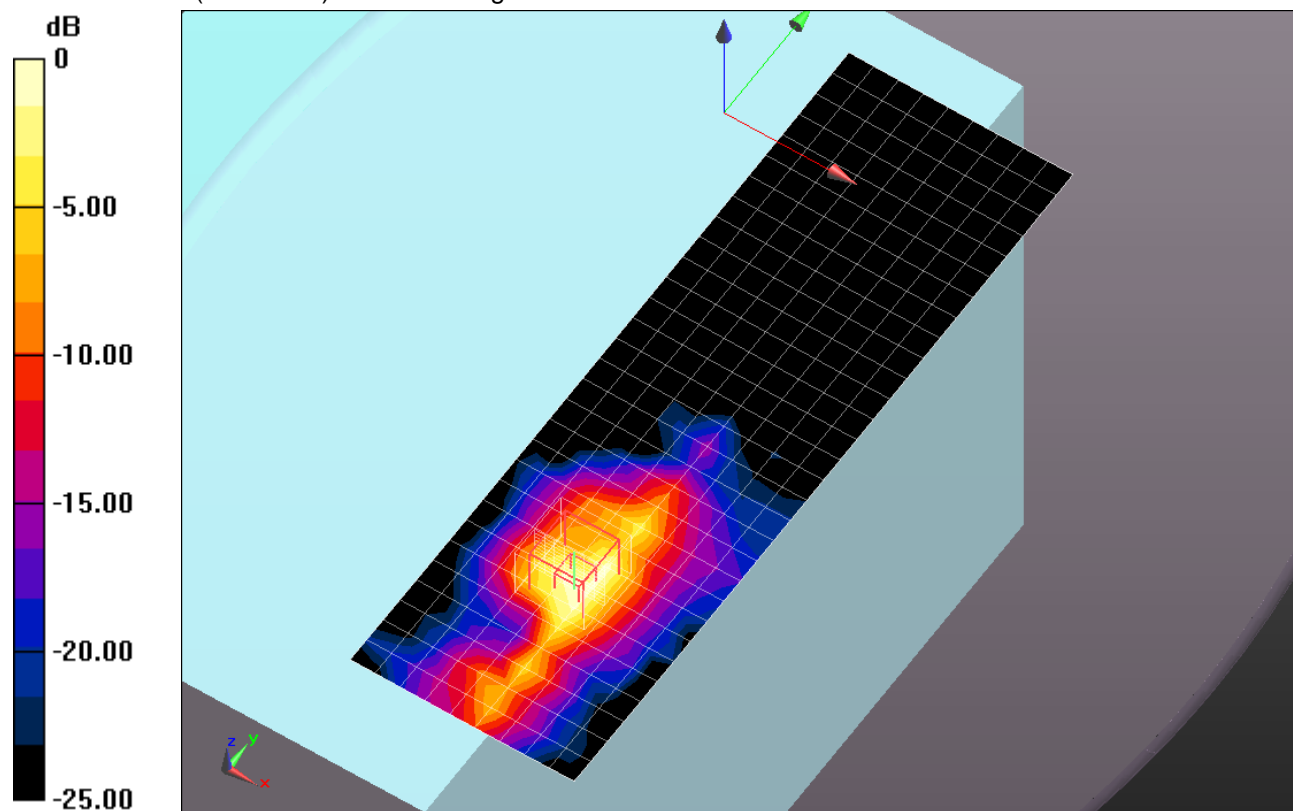
dz=2mm

Reference Value = 19.096 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 4.4080

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.358 mW/g**

Maximum value of SAR (measured) = 2.035 mW/g



0 dB = 2.040mW/g = 6.19 dB mW/g

## 5.5 GHz Band

Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5520 \text{ MHz}$ ;  $\sigma = 5.711 \text{ mho/m}$ ;  $\epsilon_r = 48.23$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(3.86, 3.86, 3.86); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1136

**Rear/802.11a\_Chain 0\_Ch 104/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.714 mW/g

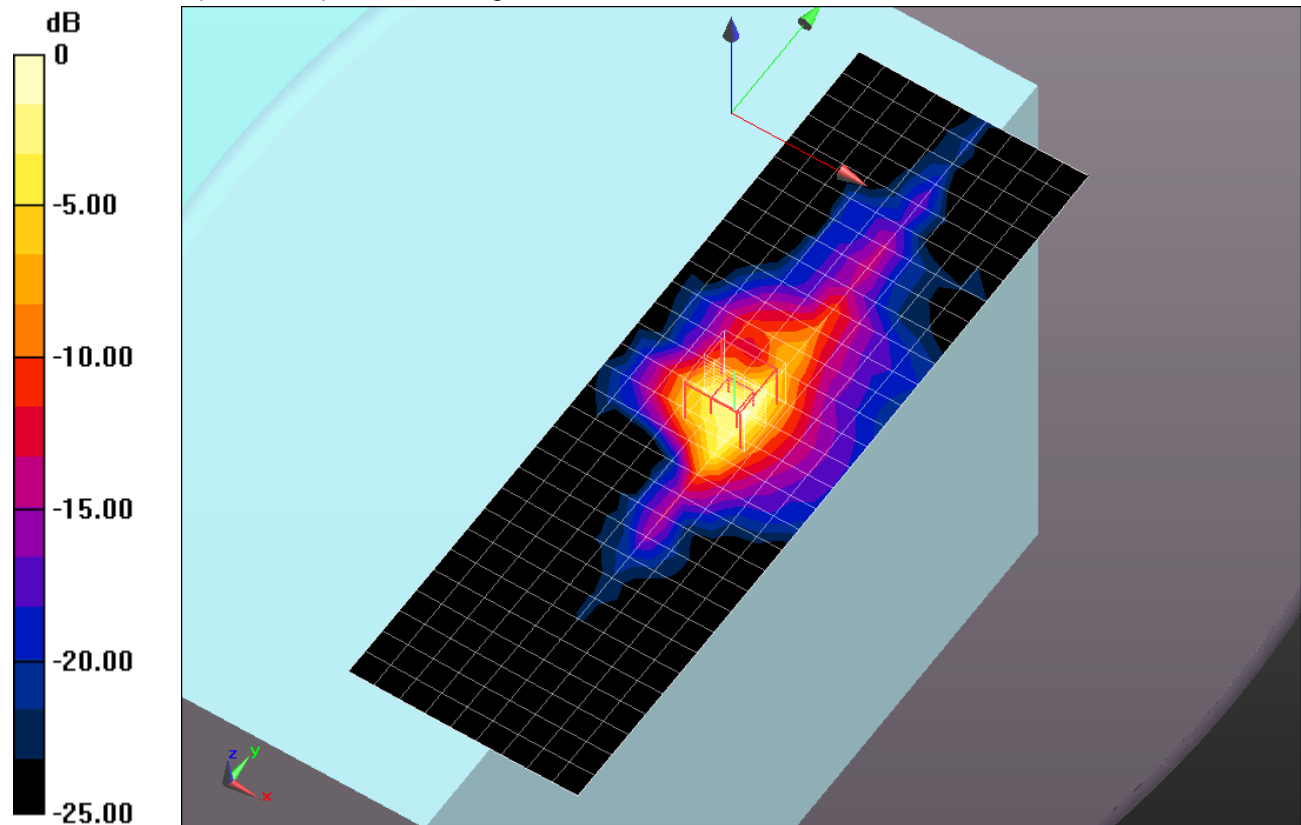
**Rear/802.11a\_Chain 0\_Ch 104/Zoom Scan (7x7x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.205 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 5.4330

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.359 mW/g**

Maximum value of SAR (measured) = 2.329 mW/g



0 dB = 2.330mW/g = 7.35 dB mW/g

**2.4GHz Band**

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;  $\sigma = 1.968$  mho/m;  $\epsilon_r = 51.817$ ;  $\rho = 1000$  kg/m<sup>3</sup>

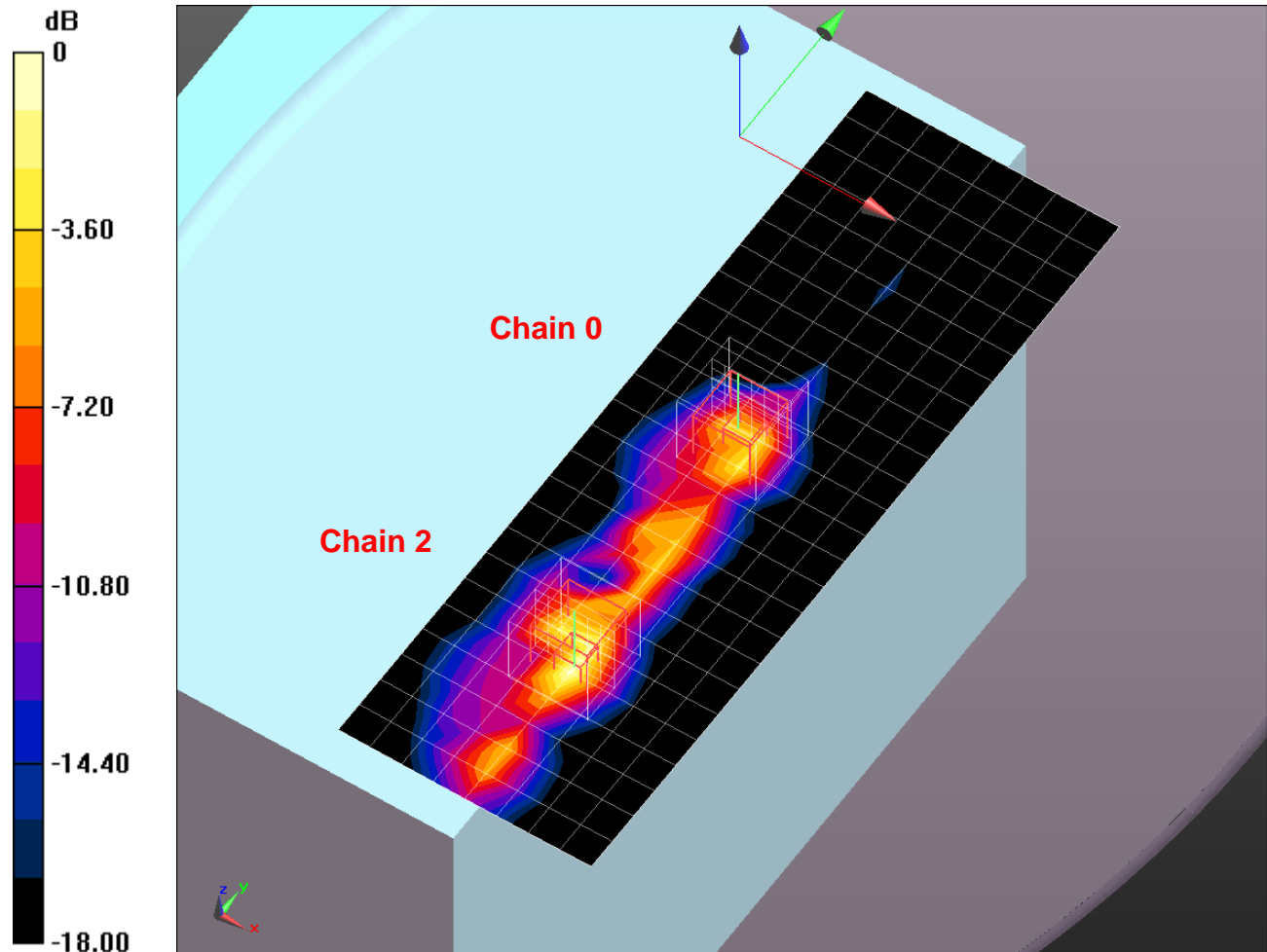
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(6.95, 6.95, 6.95); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

**Rear/802.11b\_Chain 0,2\_Ch 6/Area Scan (9x26x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (measured) = 1.609 mW/g

**Rear/802.11b\_Chain 0\_Ch 6/Zoom Scan (7x7x7) )/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 29.494 V/m; Power Drift = 0.05 dB  
 Peak SAR (extrapolated) = 1.8240  
**SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.290 mW/g**  
 Maximum value of SAR (measured) = 1.133 mW/g

**Rear/802.11b\_Chain 2\_Ch 6/Zoom Scan (7x7x7) )/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 29.494 V/m; Power Drift = 0.05 dB  
 Peak SAR (extrapolated) = 2.5730  
**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.433 mW/g**  
 Maximum value of SAR (measured) = 1.805 mW/g



0 dB = 1.810mW/g = 5.15 dB mW/g

## 5.8GHz

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.072 \text{ mho/m}$ ;  $\epsilon_r = 47.801$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(3.92, 3.92, 3.92); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

**Rear/802.11a\_Chain 1\_Ch 149/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 2.999 mW/g

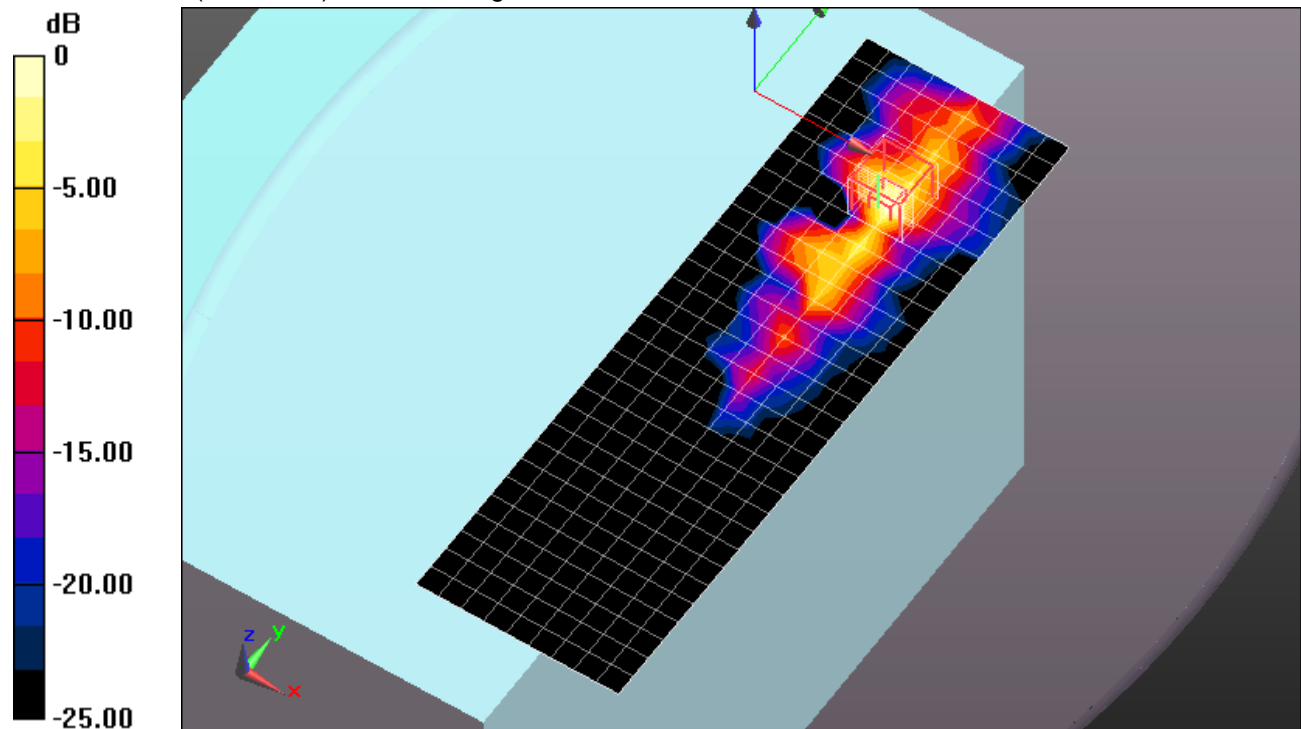
**Rear/802.11a\_Chain 1\_Ch 149/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.941 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 7.6540

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.292 mW/g**

Maximum value of SAR (measured) = 2.759 mW/g



0 dB = 2.760mW/g = 8.82 dB mW/g



## 5.2 GHz Band

Frequency: 5190 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5190$  MHz;  $\sigma = 5.373$  mho/m;  $\epsilon_r = 49.314$ ;  $\rho = 1000$  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 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(4.12, 4.12, 4.12); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

**Rear/802.11n\_HT40\_Chain 0\_Ch 38/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 2.662 mW/g

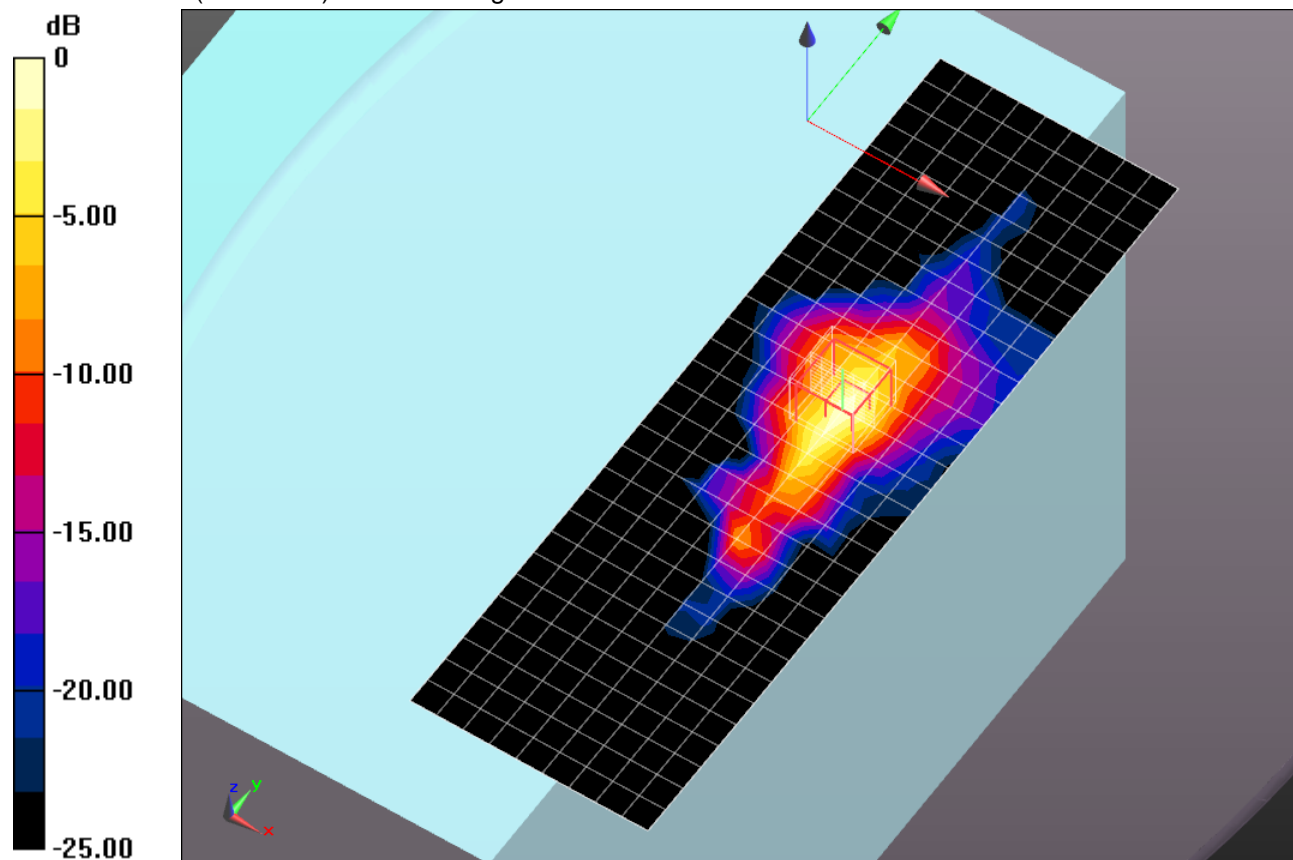
**Rear/802.11n\_HT40\_Chain 0\_Ch 38/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.757 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 5.1580

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.304 mW/g**

Maximum value of SAR (measured) = 2.350 mW/g



0 dB = 2.350mW/g = 7.42 dB mW/g



### 5.3GHz

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.455 \text{ mho/m}$ ;  $\epsilon_r = 48.232$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(4.08, 4.08, 4.08); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

**Rear/802.11a\_Chain 1\_Ch 64/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 2.130 mW/g

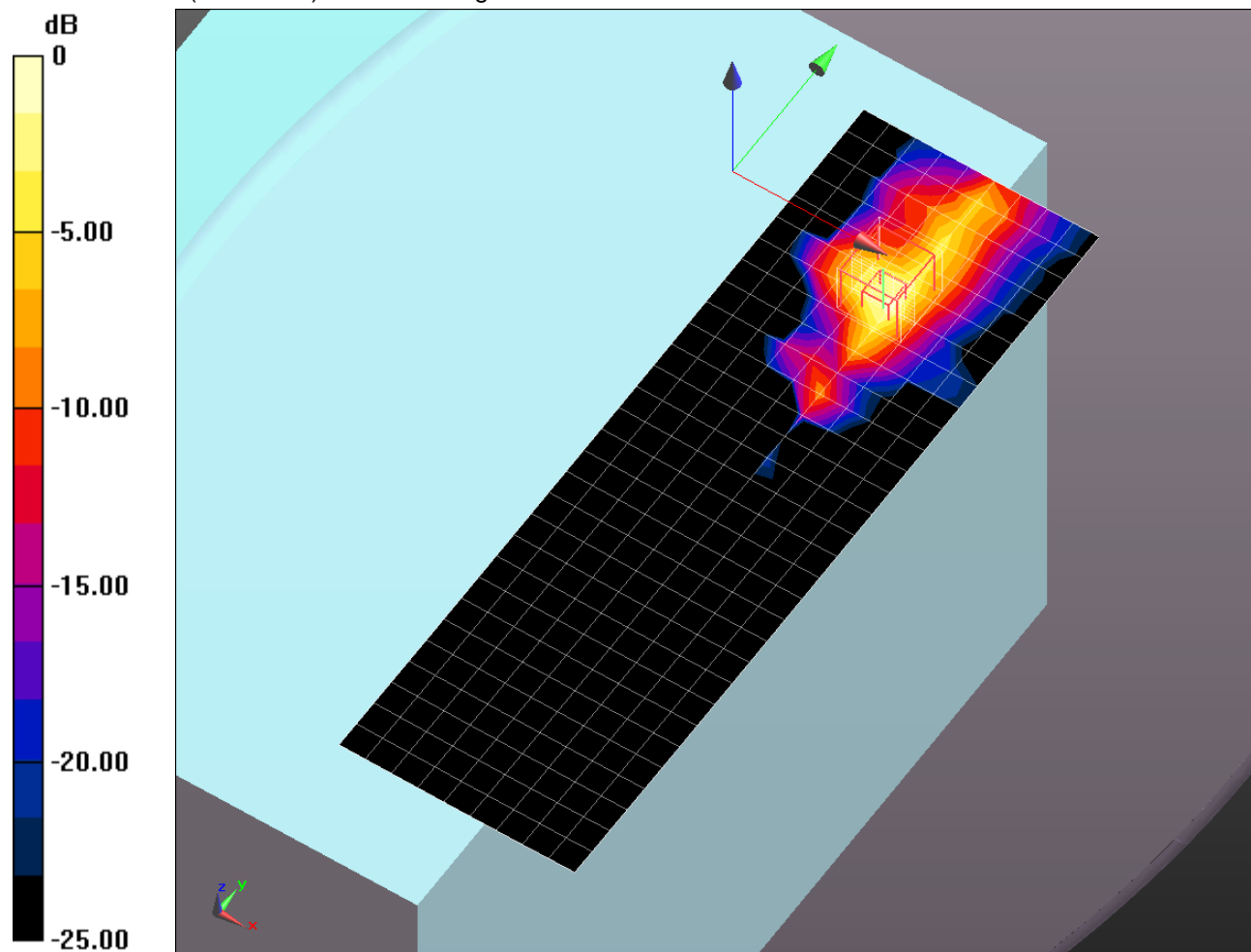
**Rear/802.11a\_Chain 1\_Ch 64/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.760 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.3980

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.344 mW/g**

Maximum value of SAR (measured) = 2.544 mW/g



0 dB = 2.540mW/g = 8.10 dB mW/g

## 5.5GHz

Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5520$  MHz;  $\sigma = 5.638$  mho/m;  $\epsilon_r = 46.95$ ;  $\rho = 1000$  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 Sn1278; Calibrated: 1/30/2013
- Probe: EX3DV4 - SN3676; ConvF(3.89, 3.89, 3.89); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1135

**Rear/802.11a\_Chain 0\_Ch 104/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 1.540 mW/g

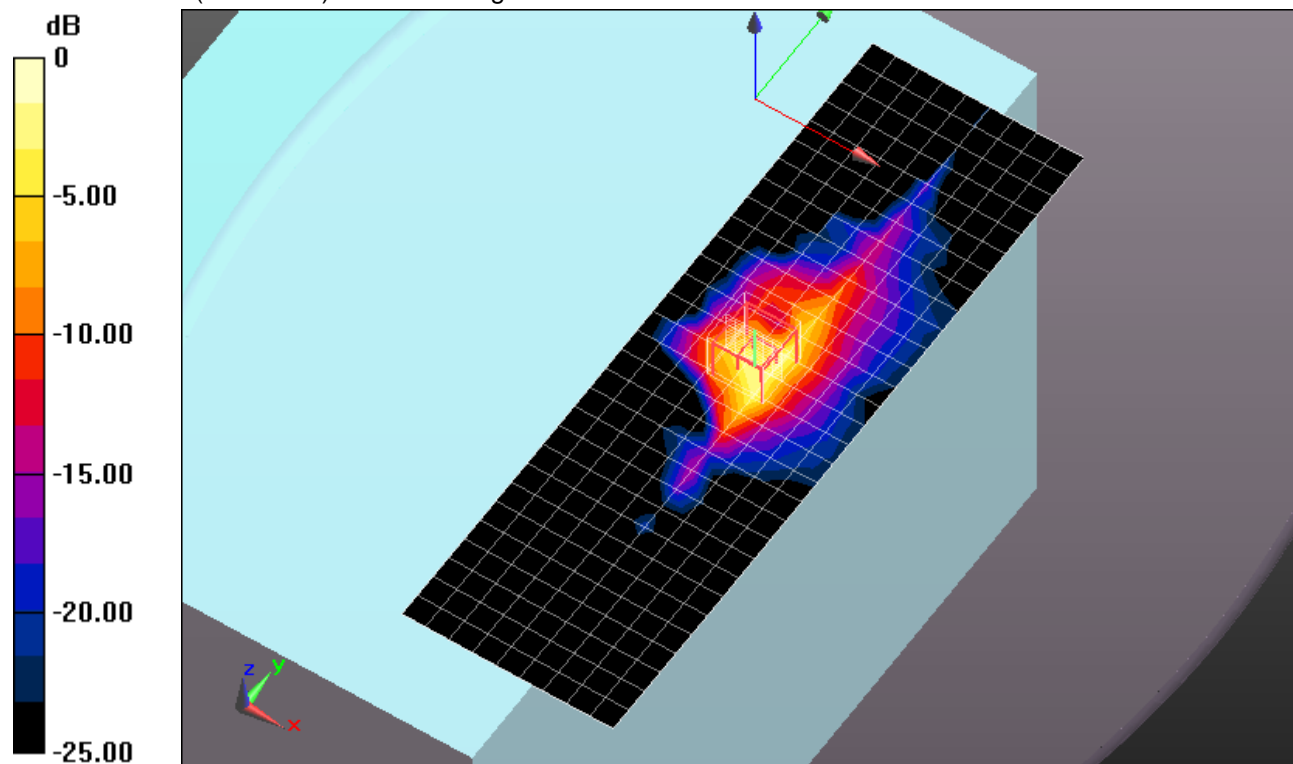
**Rear/802.11a\_Chain 0\_Ch 104/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.671 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 5.3130

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.337 mW/g**

Maximum value of SAR (measured) = 2.446 mW/g



0 dB = 2.450mW/g = 7.78 dB mW/g