

## 20130708\_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.696$  mho/m;  $\epsilon_r = 47.165$ ;  $\rho = 1000$  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(3.72, 3.72, 3.72); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1134

**Body/5.5 GHz, Pin=100mW/Area Scan (61x61x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 55.218 V/m; Power Drift = 0.0007 dB

**Fast SAR: SAR(1 g) = 7.86 mW/g; SAR(10 g) = 2.13 mW/g**

Maximum value of SAR (interpolated) = 21.416 mW/g

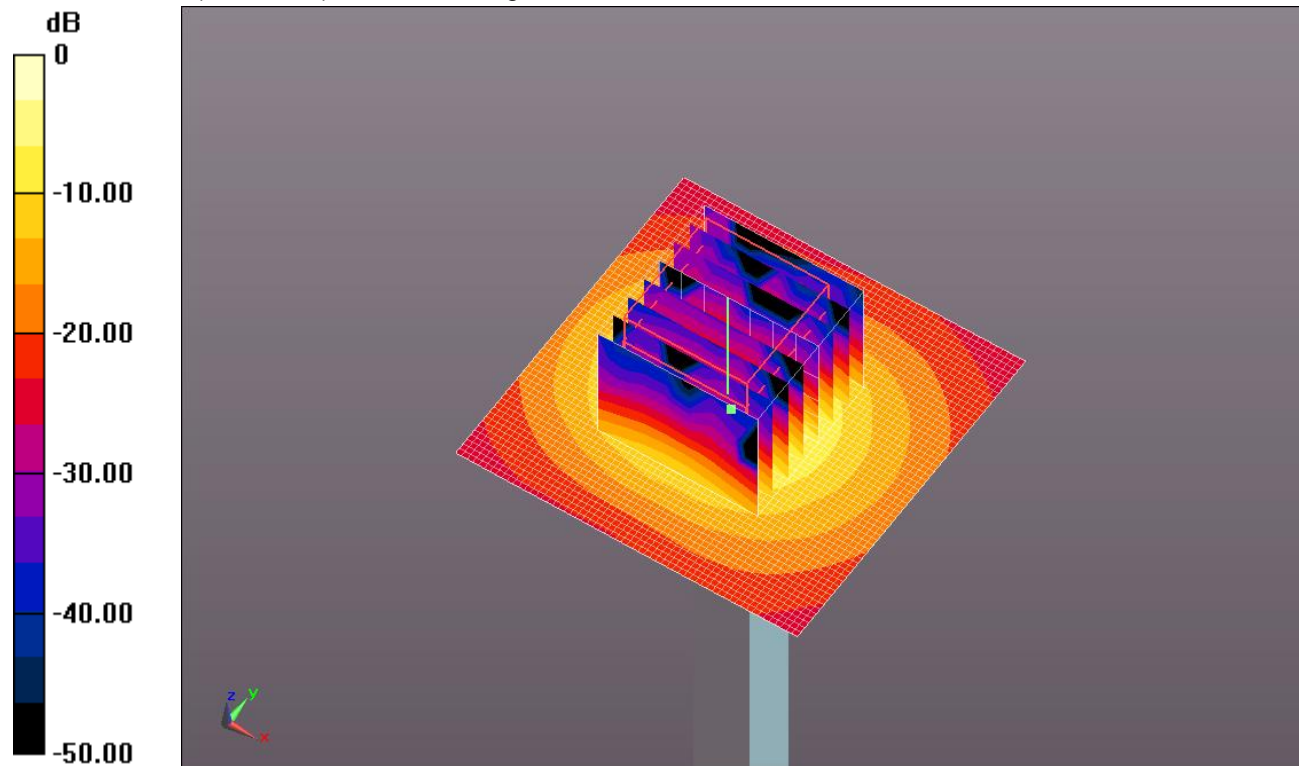
**Body/5.5 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 55.218 V/m; Power Drift = 0.0007 dB

Peak SAR (extrapolated) = 34.1610

**SAR(1 g) = 8.43 mW/g; SAR(10 g) = 2.35 mW/g**

Maximum value of SAR (measured) = 20.186 mW/g

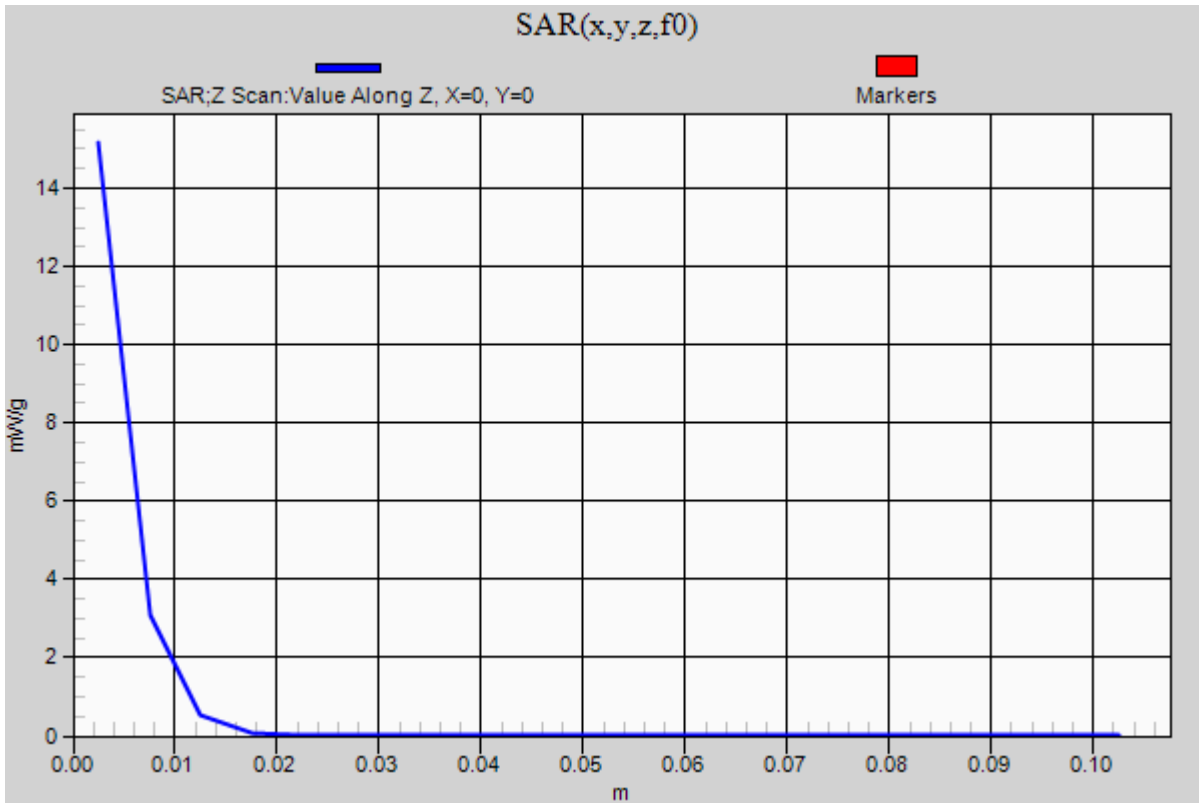


0 dB = 20.190mW/g = 26.10 dB mW/g

## 20130708\_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5500 MHz; Duty Cycle: 1:1

**Body/5.5 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 15.162 mW/g



## 20130713\_SystemPerformanceCheck-D2450V2 SN 900

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.013$  mho/m;  $\epsilon_r = 52.652$ ;  $\rho = 1000$  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(6.53, 6.53, 6.53); Calibrated: 1/14/2013

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

- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1134

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

Reference Value = 61.238 V/m; Power Drift = 0.0077 dB

**Fast SAR: SAR(1 g) = 5.2 mW/g; SAR(10 g) = 2.25 mW/g**

Maximum value of SAR (interpolated) = 7.601 mW/g

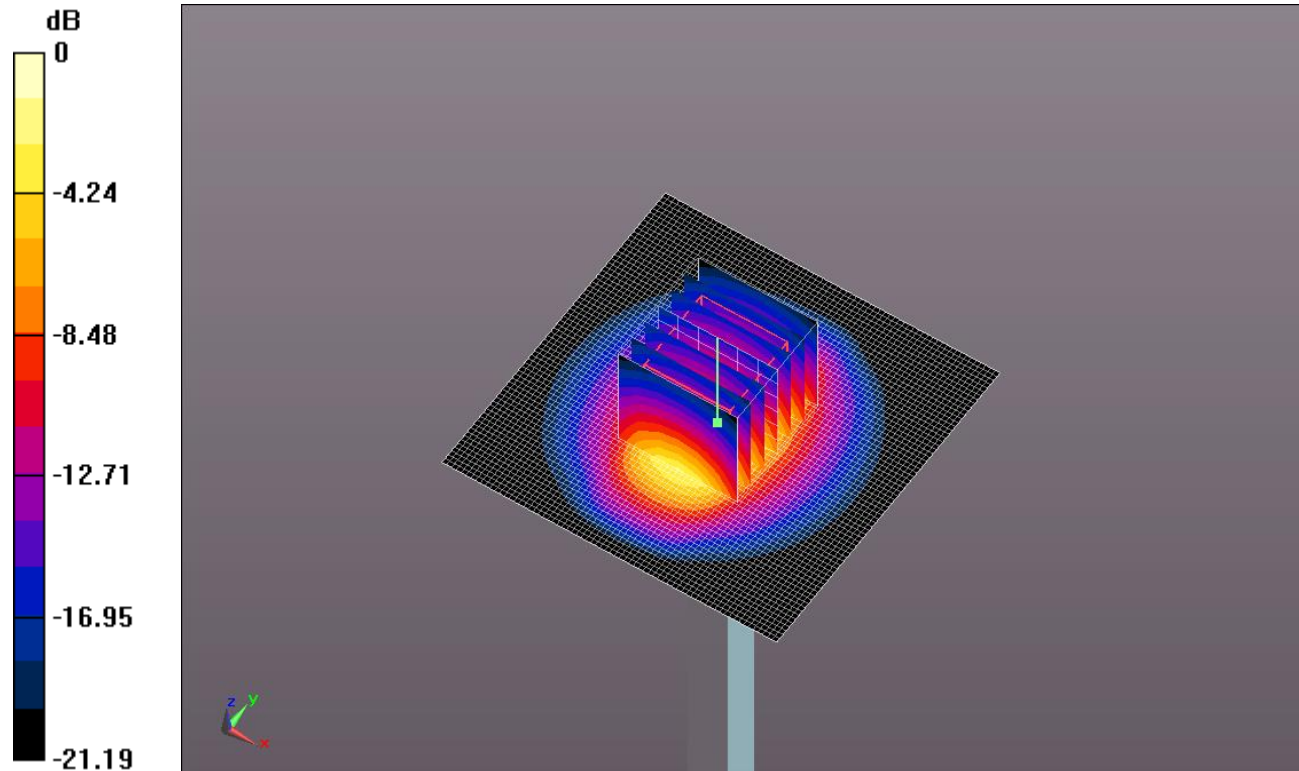
**Body/Pin=100 mW /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.238 V/m; Power Drift = 0.0077 dB

Peak SAR (extrapolated) = 10.8260

**SAR(1 g) = 5.33 mW/g; SAR(10 g) = 2.5 mW/g**

Maximum value of SAR (measured) = 7.525 mW/g

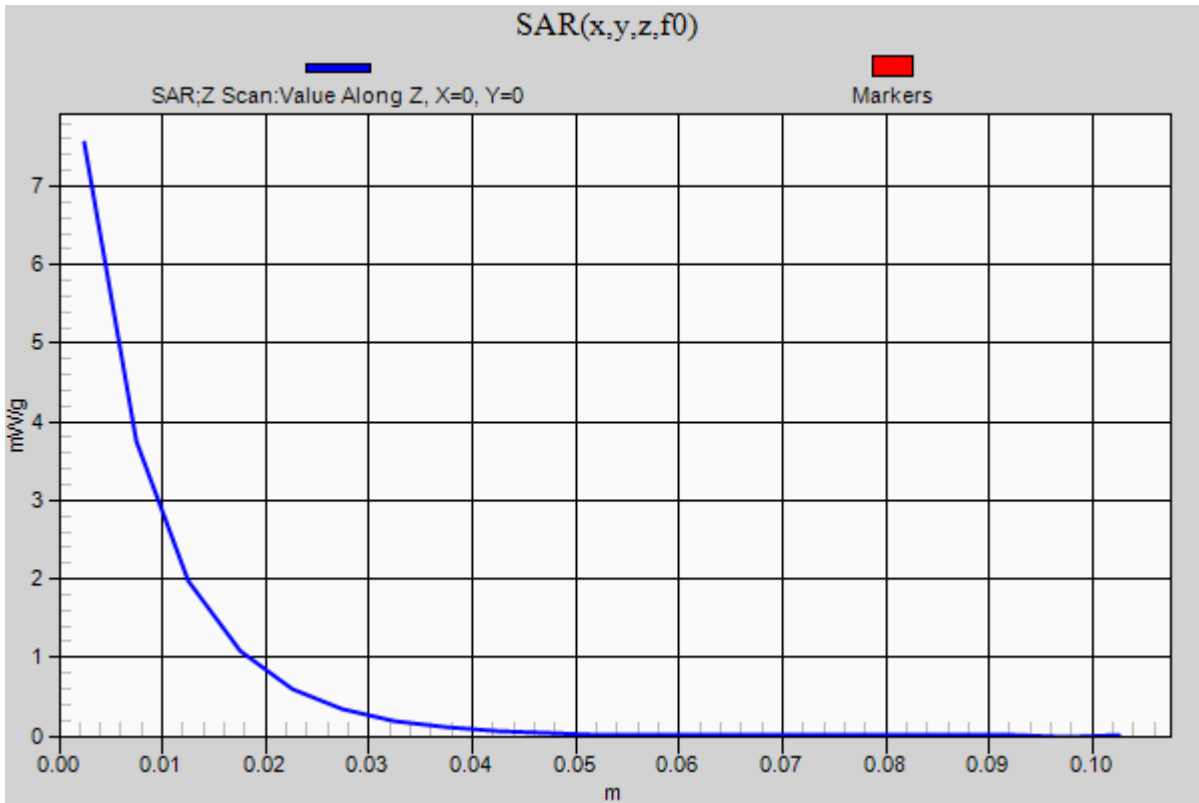


0 dB = 7.530mW/g = 17.54 dB mW/g

## 20130713\_SystemPerformanceCheck-D2450V2 SN 900

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) = 7.553 mW/g



## 20130711\_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.504$  mho/m;  $\epsilon_r = 48.305$ ;  $\rho = 1000$  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(3.83, 3.83, 3.83); Calibrated: 1/14/2013
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

**Body/5.5 GHz, Pin=100mW/Area Scan (61x61x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 51.305 V/m; Power Drift = -0.15 dB

**Fast SAR: SAR(1 g) = 7.52 mW/g; SAR(10 g) = 2.09 mW/g**

Maximum value of SAR (interpolated) = 19.858 mW/g

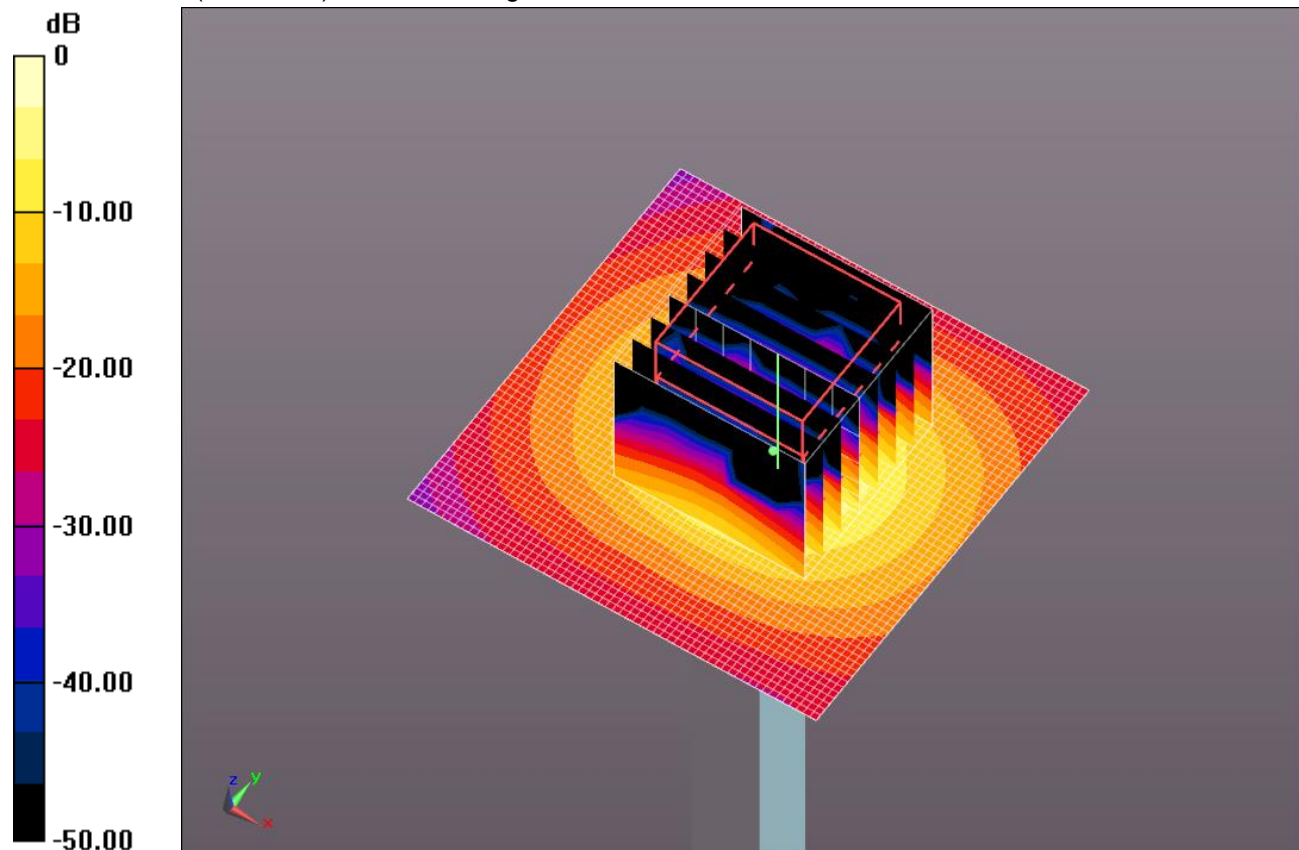
**Body/5.5 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.305 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 35.5510

**SAR(1 g) = 8.44 mW/g; SAR(10 g) = 2.33 mW/g**

Maximum value of SAR (measured) = 20.586 mW/g

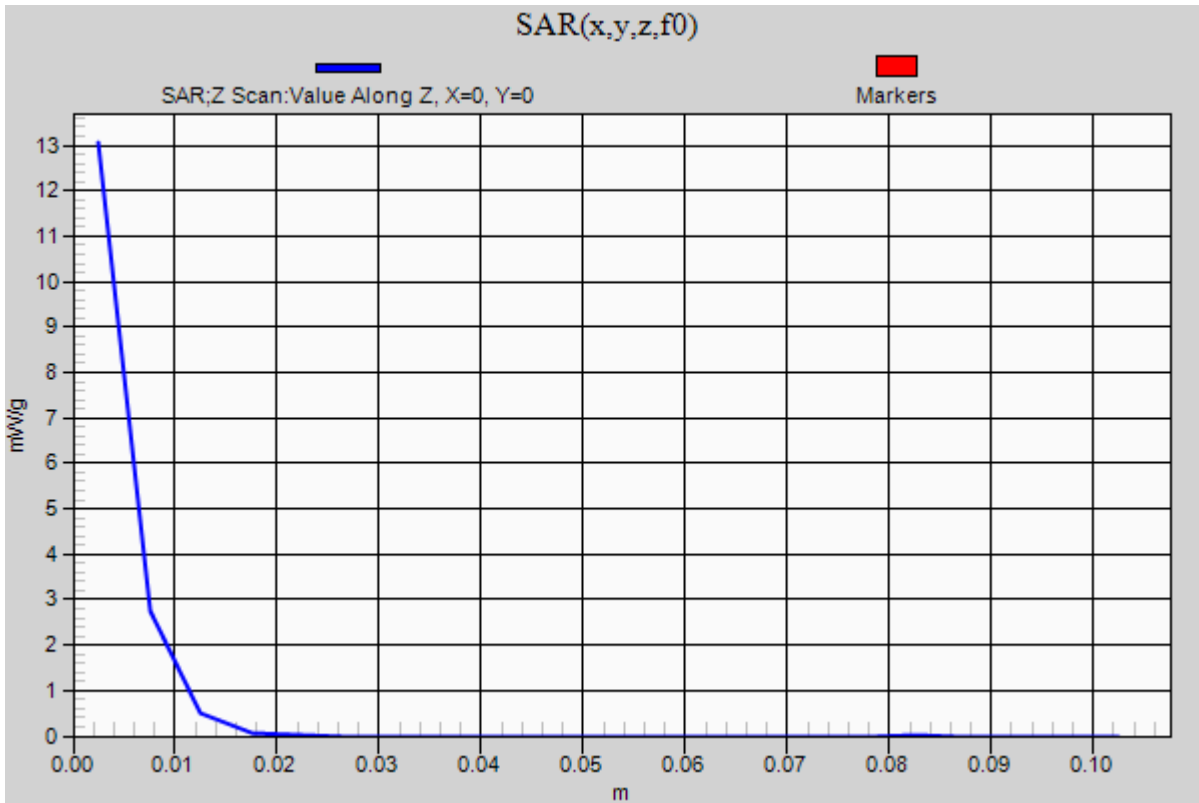


0 dB = 20.590mW/g = 26.27 dB mW/g

### 20130711\_SystemPerformanceCheck-D5GHzV2 SN 1139

Frequency: 5500 MHz; Duty Cycle: 1:1

**Body/5.5 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 13.056 mW/g



## 20130716\_SystemPerformanceCheck-D2450V2 SN 900

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.984$  mho/m;  $\epsilon_r = 51.434$ ;  $\rho = 1000$  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(6.62, 6.62, 6.62); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

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

Reference Value = 60.144 V/m; Power Drift = -0.13 dB

**Fast SAR: SAR(1 g) = 5.23 mW/g; SAR(10 g) = 2.24 mW/g**

Maximum value of SAR (interpolated) = 7.680 mW/g

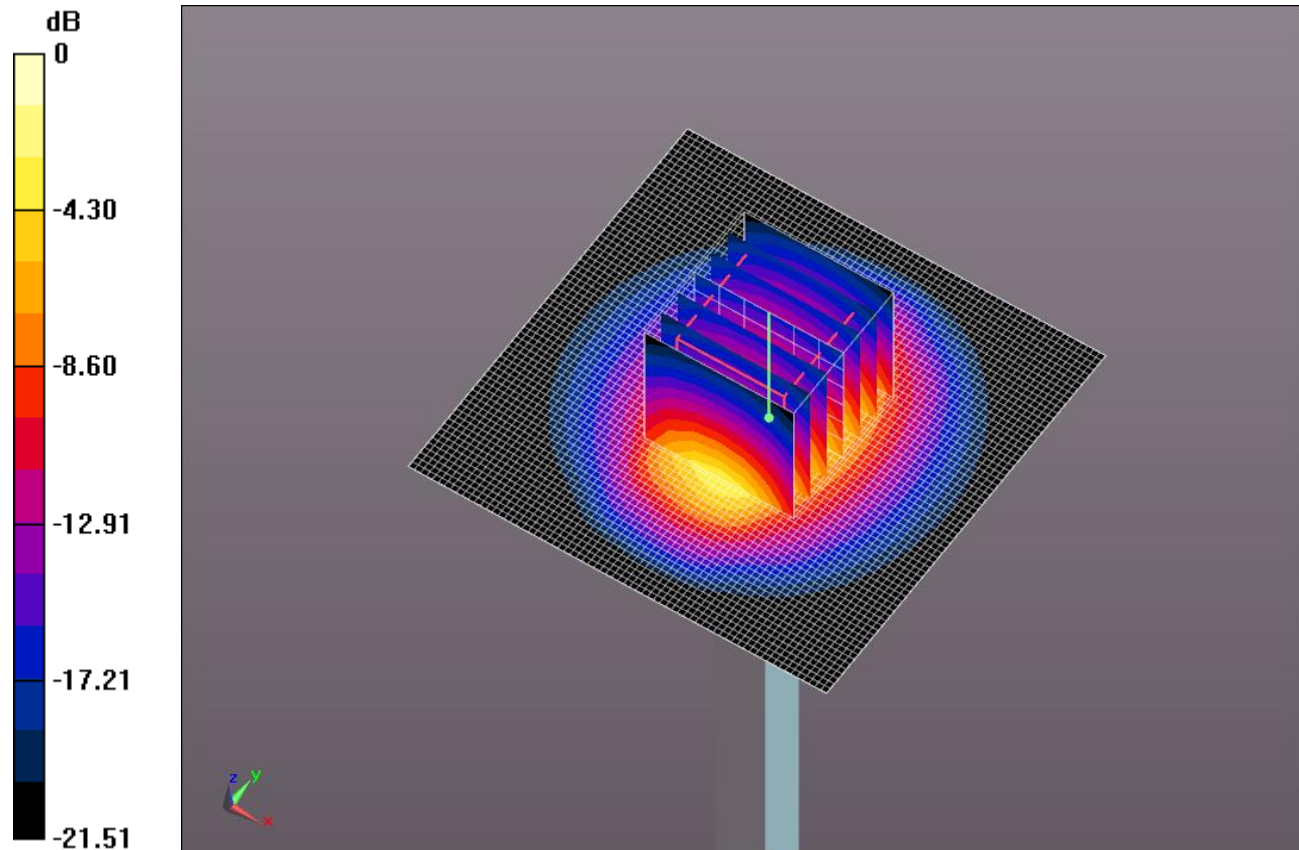
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.144 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 10.9510

**SAR(1 g) = 5.29 mW/g; SAR(10 g) = 2.46 mW/g**

Maximum value of SAR (measured) = 7.529 mW/g

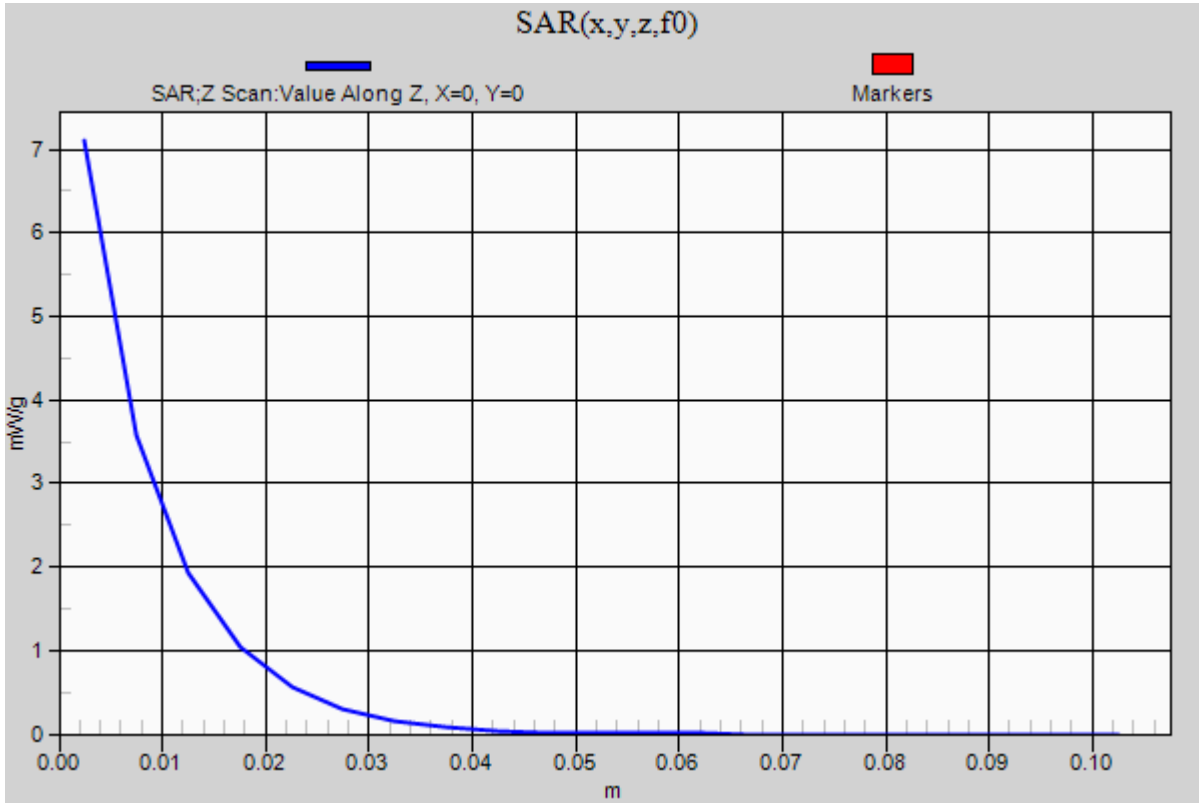


0 dB = 7.530mW/g = 17.54 dB mW/g

### 20130716\_SystemPerformanceCheck-D2450V2 SN 900

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) = 7.101 mW/g





## 20130709\_SystemPerformanceCheck-D5GHzV2 SN 1072

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

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.257$  mho/m;  $\epsilon_r = 47.673$ ;  $\rho = 1000$  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 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(4.28, 4.28, 4.28); 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 = 53.688 V/m; Power Drift = 0.05 dB

**Fast SAR: SAR(1 g) = 6.86 mW/g; SAR(10 g) = 1.87 mW/g**

Maximum value of SAR (interpolated) = 18.061 mW/g

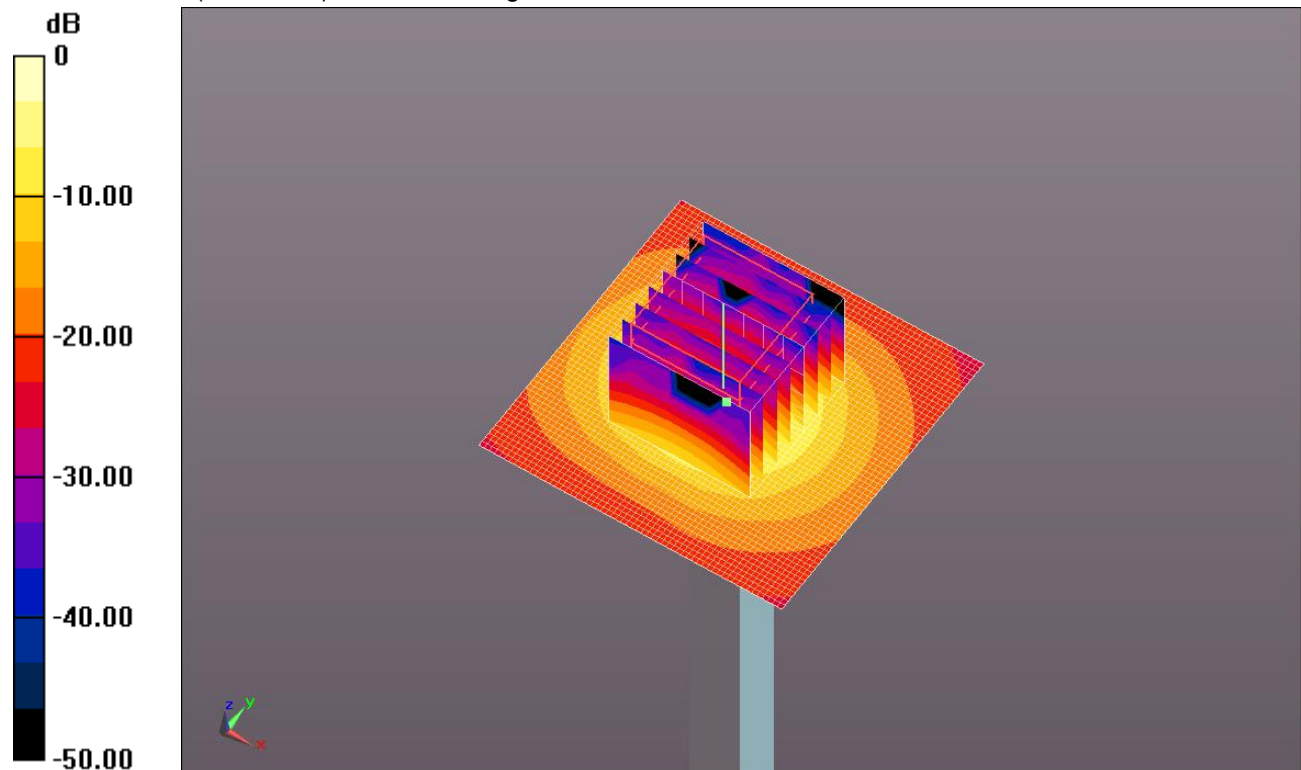
**Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 53.688 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 27.4680

**SAR(1 g) = 7.33 mW/g; SAR(10 g) = 2.08 mW/g**

Maximum value of SAR (measured) = 16.769 mW/g

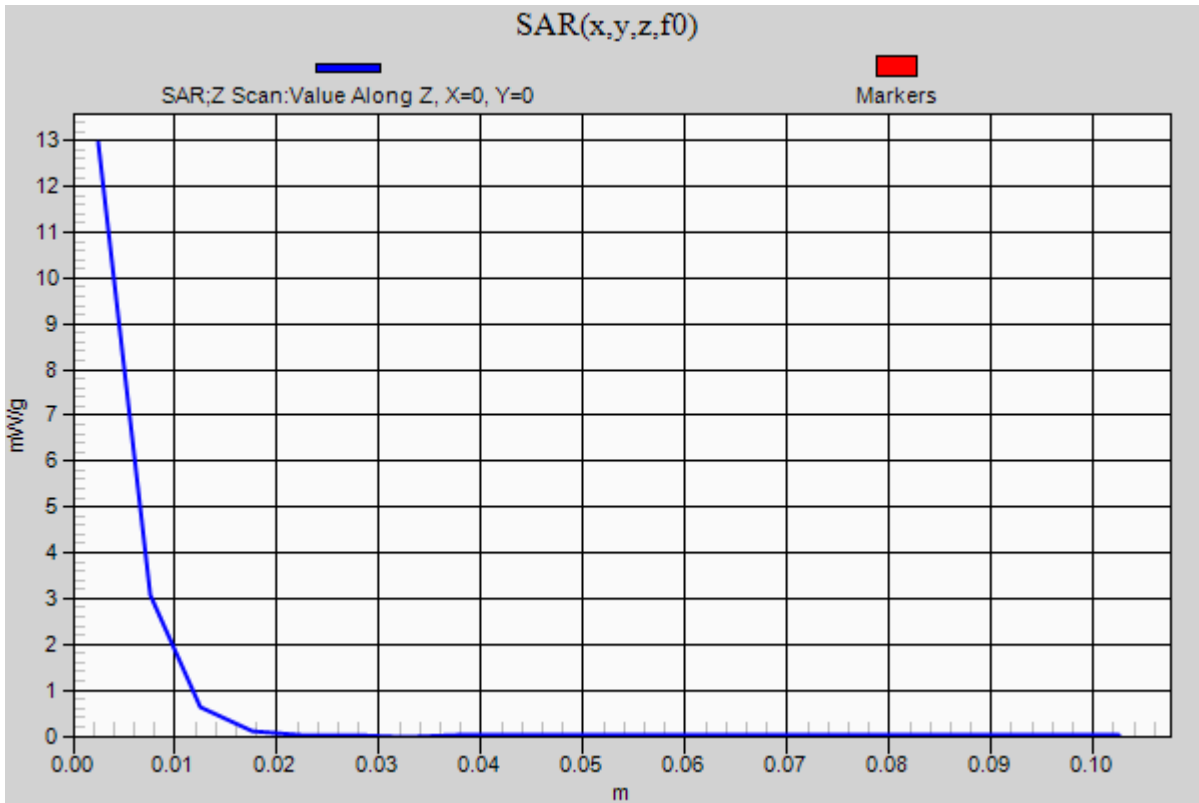


0 dB = 16.770mW/g = 24.49 dB mW/g

### 20130709\_SystemPerformanceCheck-D5GHzV2 SN 1072

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) = 12.952 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;  $\sigma = 5.365$  mho/m;  $\epsilon_r = 49.404$ ;  $\rho = 1000$  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 Sn1261; Calibrated: 1/16/2013
- Probe: EX3DV4 - SN3757; ConvF(4.28, 4.28, 4.28); 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 = 51.044 V/m; Power Drift = 0.09 dB

**Fast SAR: SAR(1 g) = 6.51 mW/g; SAR(10 g) = 1.79 mW/g**

Maximum value of SAR (interpolated) = 17.104 mW/g

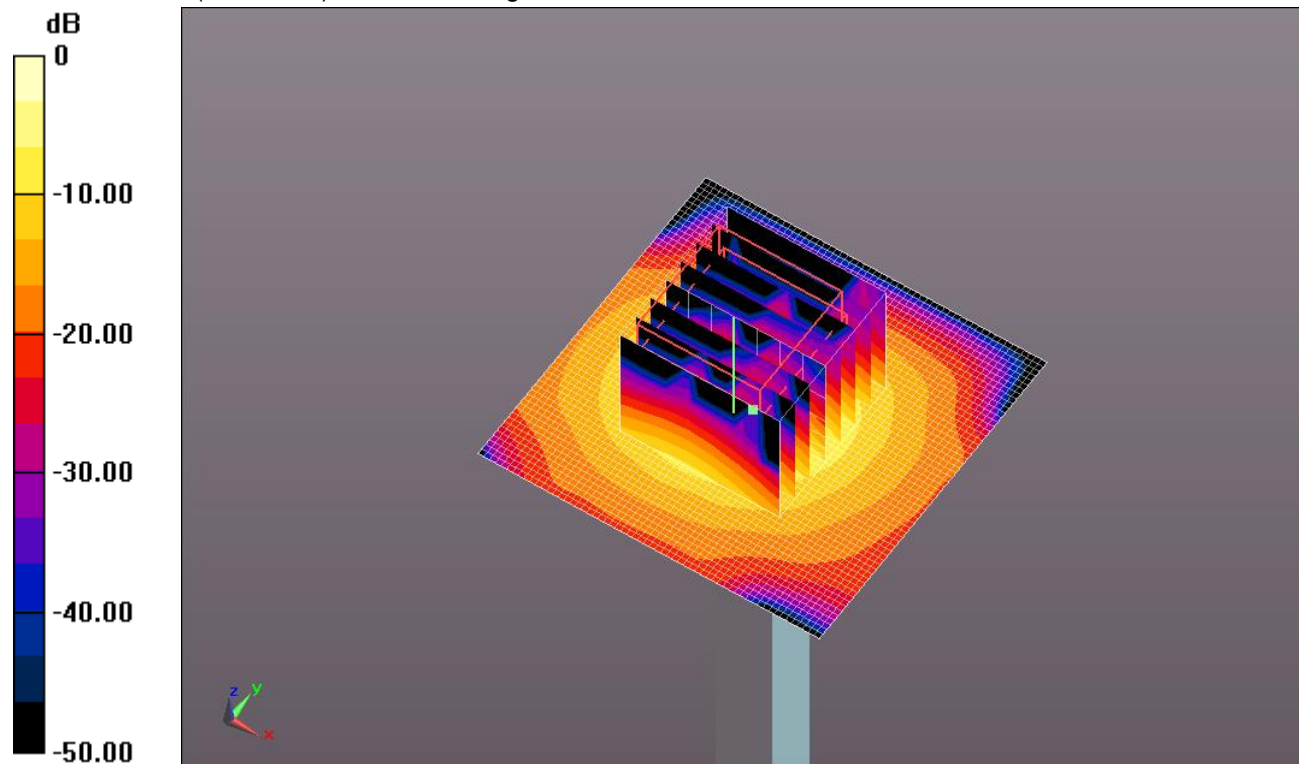
**Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.044 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 27.0930

**SAR(1 g) = 7.14 mW/g; SAR(10 g) = 1.99 mW/g**

Maximum value of SAR (measured) = 17.418 mW/g

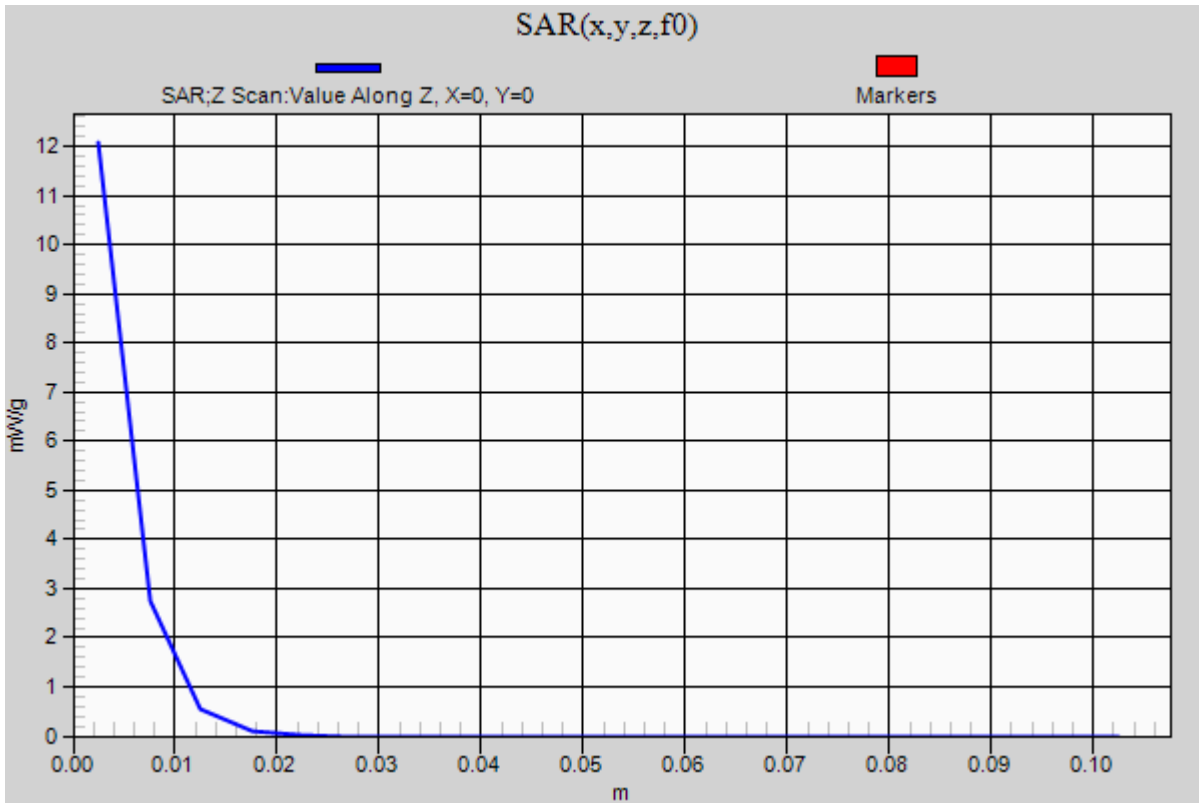


0 dB = 17.420mW/g = 24.82 dB mW/g

### 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) = 12.072 mW/g



## 20130706\_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.319$  mho/m;  $\epsilon_r = 47.527$ ;  $\rho = 1000$  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(4.37, 4.37, 4.37); Calibrated: 1/14/2013
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), 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 = 57.027 V/m; Power Drift = -0.02 dB

**Fast SAR: SAR(1 g) = 7.58 mW/g; SAR(10 g) = 2.06 mW/g**

Maximum value of SAR (interpolated) = 14.504 mW/g

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

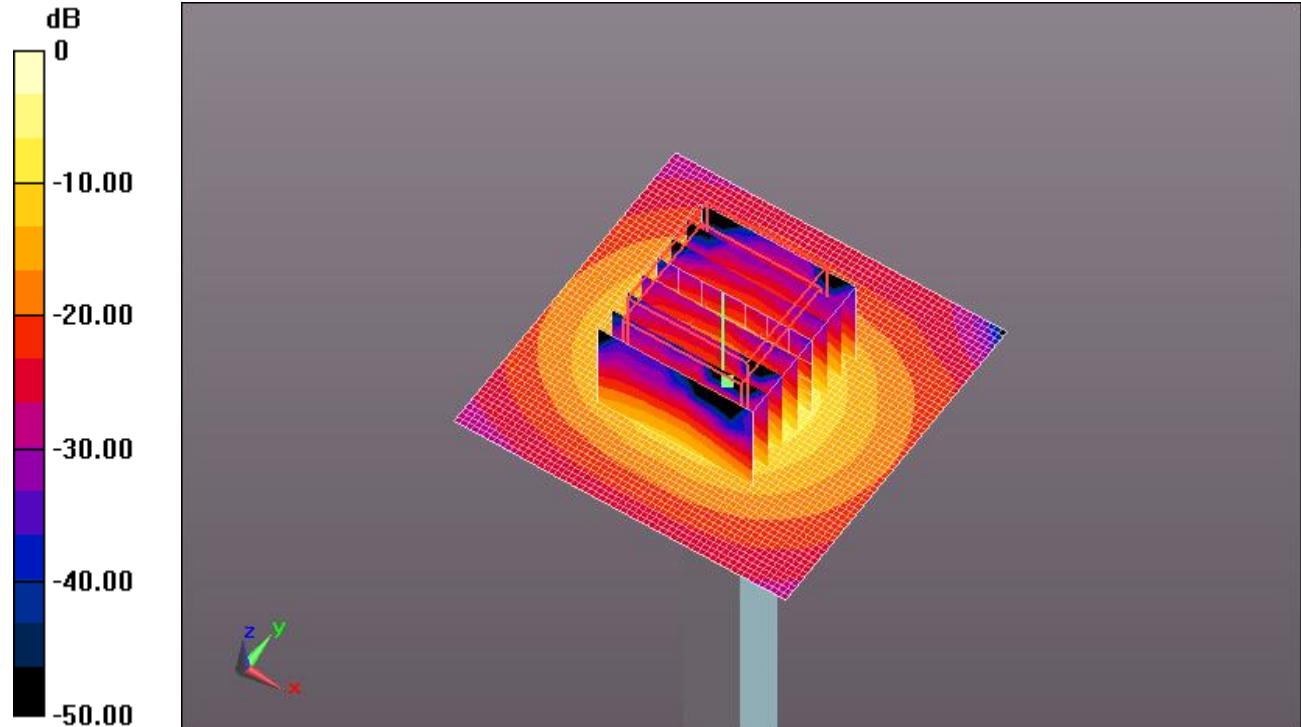
dz=1.4mm

Reference Value = 57.027 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 31.0720

**SAR(1 g) = 8.05 mW/g; SAR(10 g) = 2.24 mW/g**

Maximum value of SAR (measured) = 19.203 mW/g

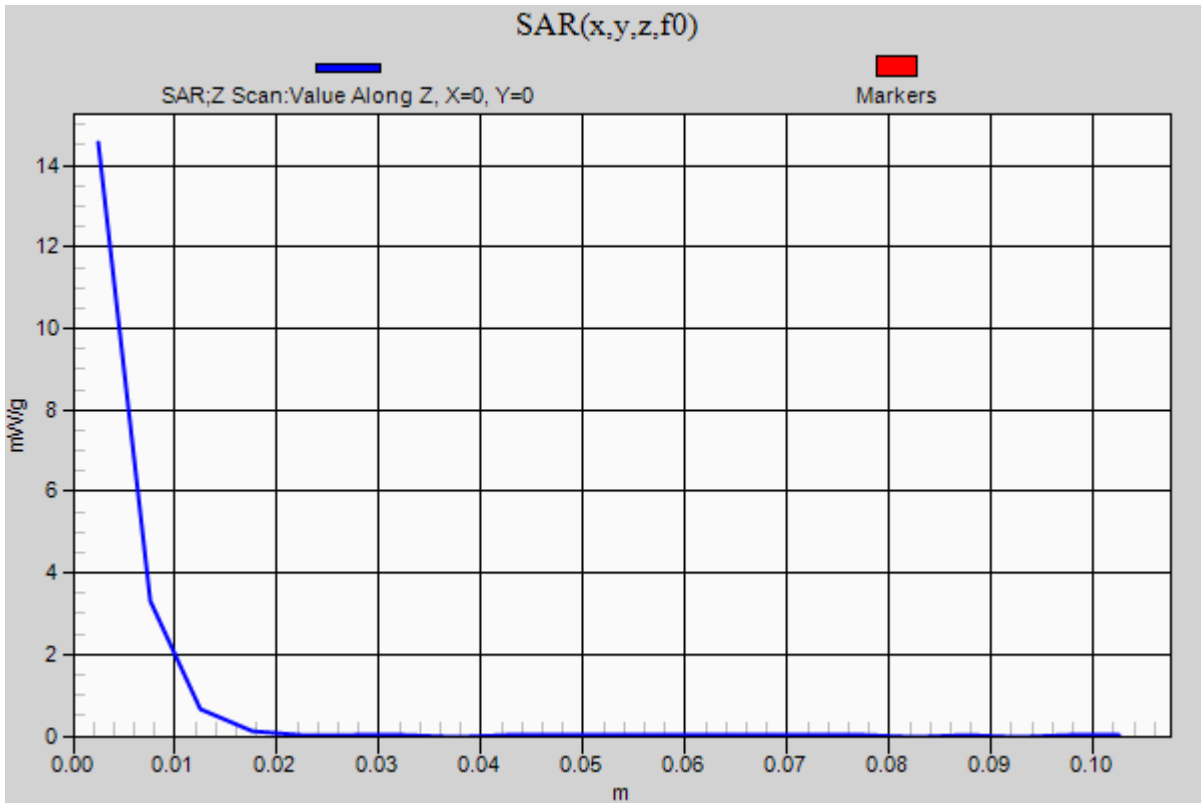


0 dB = 19.200mW/g = 25.67 dB mW/g

### 20130706\_SystemPerformanceCheck-D5GHzV2 SN 1072

Frequency: 5200 MHz; Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW 2 2/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 14.558 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;  $\sigma = 5.346$  mho/m;  $\epsilon_r = 49.928$ ;  $\rho = 1000$  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(4.37, 4.37, 4.37); 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: 1135

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

Reference Value = 54.398 V/m; Power Drift = 0.07 dB

**Fast SAR: SAR(1 g) = 7.32 mW/g; SAR(10 g) = 1.97 mW/g**

Maximum value of SAR (interpolated) = 19.607 mW/g

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

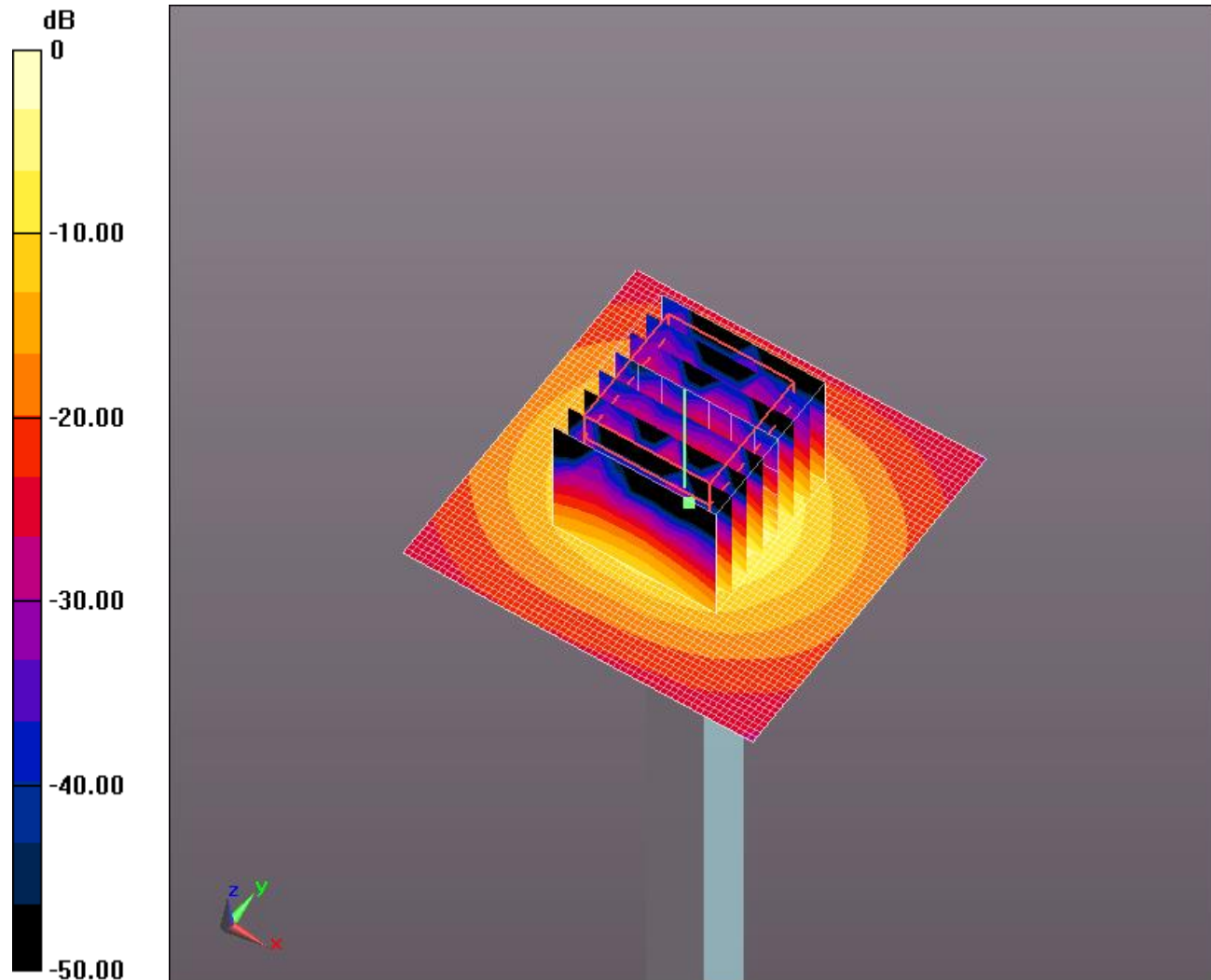
dz=1.4mm

Reference Value = 54.398 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 30.0860

**SAR(1 g) = 7.57 mW/g; SAR(10 g) = 2.1 mW/g**

Maximum value of SAR (measured) = 17.600 mW/g

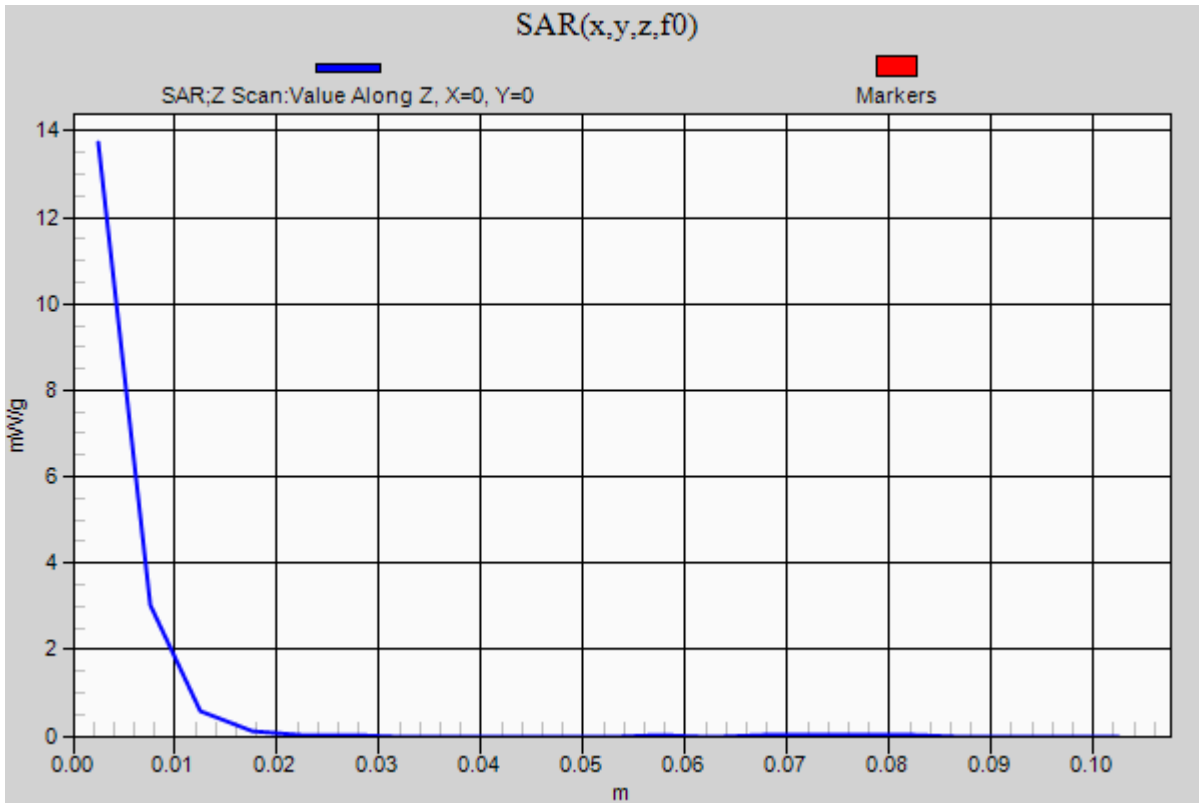


0 dB = 17.600mW/g = 24.91 dB mW/g

### 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) = 13.730 mW/g





## 2.4GHz Band

Frequency: 2462 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.028$  mho/m;  $\epsilon_r = 52.609$ ;  $\rho = 1000$  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 Sn1263; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3778; ConvF(6.53, 6.53, 6.53); 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/802.11b\_Chain 1,0,2\_Ch 11/Area Scan (9x26x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.935 mW/g

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

Reference Value = 29.580 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.0210

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.512 mW/g**

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

Maximum value of SAR (measured) = 1.916 mW/g

**Rear/802.11b\_Chain 0\_Ch 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.580 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.0280

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.443 mW/g**

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

Maximum value of SAR (measured) = 1.985 mW/g

**Rear/802.11b\_Chain 2\_Ch 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

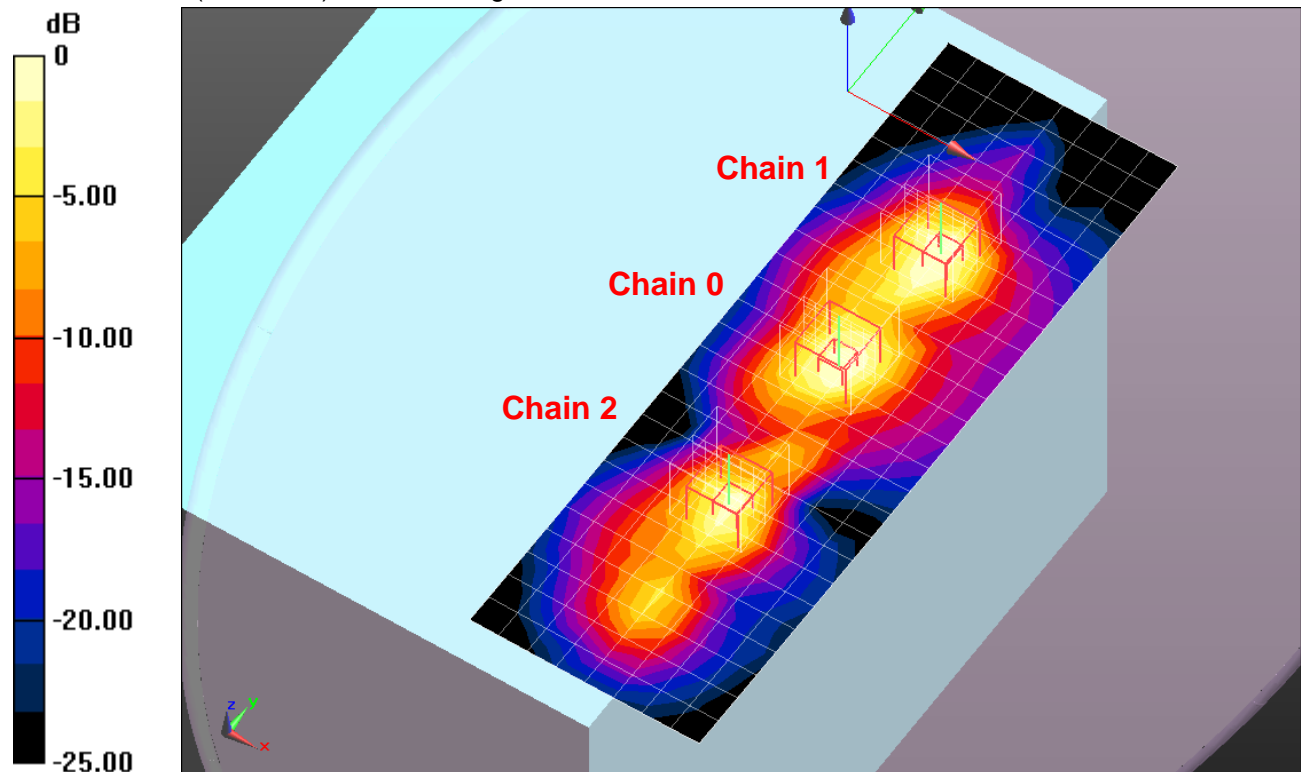
Reference Value = 29.580 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.1240

**SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.340 mW/g**

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

Maximum value of SAR (measured) = 1.349 mW/g



0 dB = 1.350mW/g = 2.61 dB mW/g

## 5.8 GHz Band

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

Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.003$  mho/m;  $\epsilon_r = 47.159$ ;  $\rho = 1000$  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(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: 1134

**Rear\_802.11a\_Chain 1,0,2\_Ch 157/Area Scan (11x32x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.602 mW/g

**Rear\_802.11a\_Chain 1\_Ch 157/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.107 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 5.3660

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.318 mW/g**

Maximum value of SAR (measured) = 2.421 mW/g

**Rear\_802.11a\_Chain 0\_Ch 157/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.107 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 5.7940

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.371 mW/g**

Maximum value of SAR (measured) = 2.571 mW/g

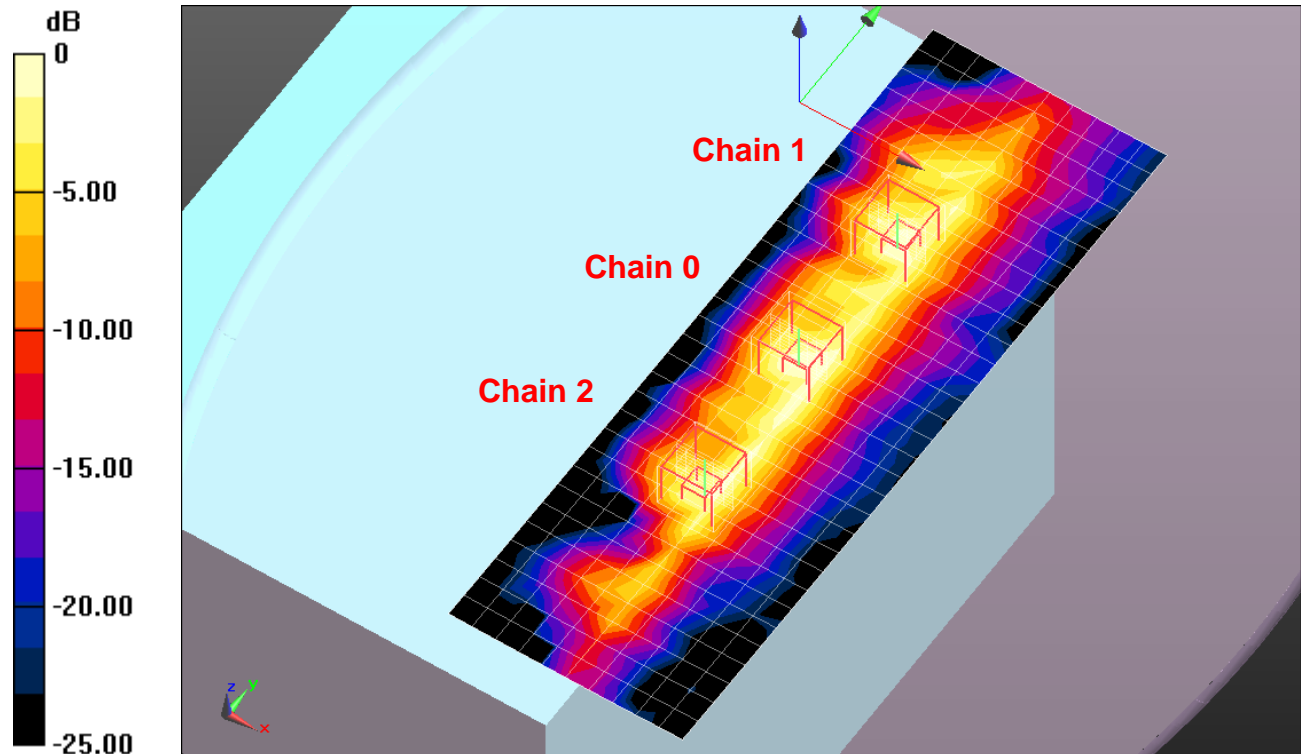
**Rear\_802.11a\_Chain 2\_Ch 157/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.107 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.6630

**SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.275 mW/g**

Maximum value of SAR (measured) = 1.981 mW/g



0 dB = 1.980mW/g = 5.93 dB mW/g

## 5.2 GHz Band

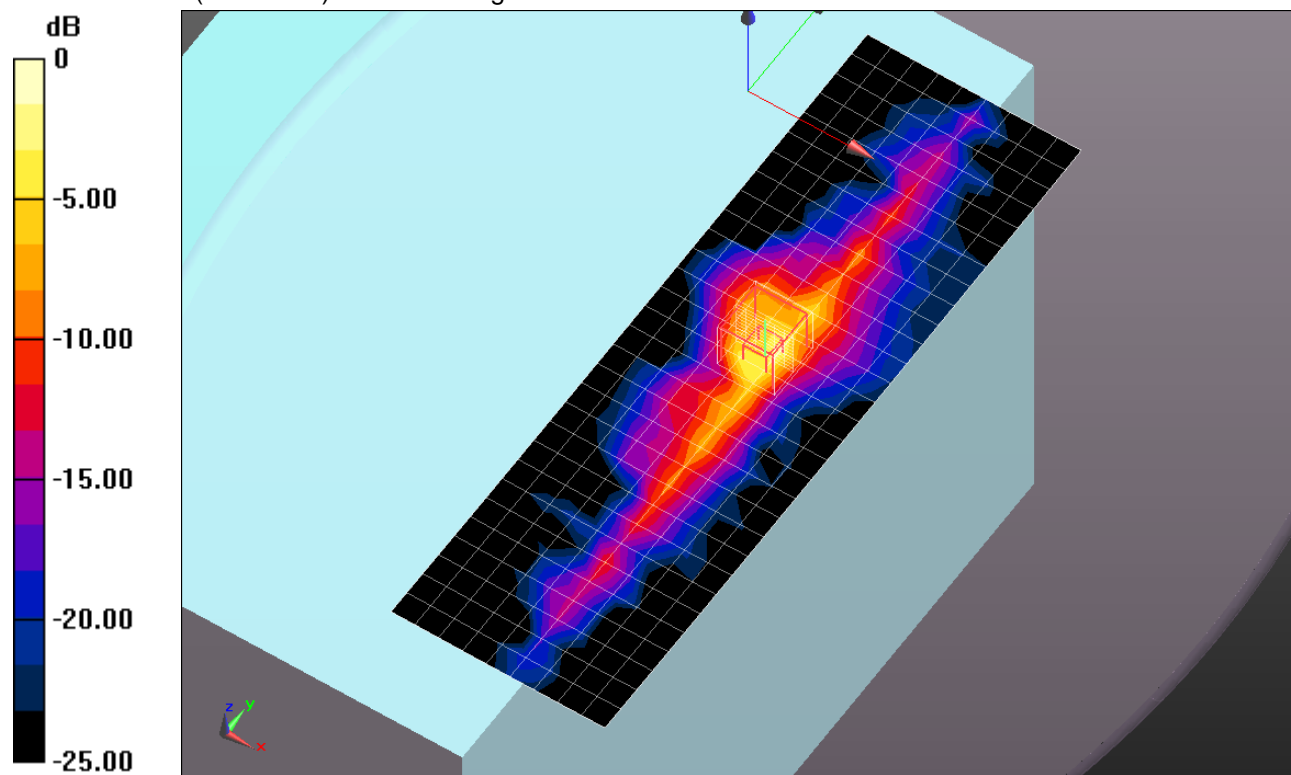
Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.443$  mho/m;  $\epsilon_r = 48.237$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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(4.28, 4.28, 4.28); 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 48/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.904 mW/g

**Rear/802.11a\_Chain 0\_Ch 48/Zoom Scan (7x7x12):** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 15.568 V/m; Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 3.6690  
**SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.186 mW/g**  
Maximum value of SAR (measured) = 1.547 mW/g



0 dB = 1.550mW/g = 3.81 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:  $f = 5320$  MHz;  $\sigma = 5.502$  mho/m;  $\epsilon_r = 47.153$ ;  $\rho = 1000$  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(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 0\_Ch 64/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 1.703 mW/g

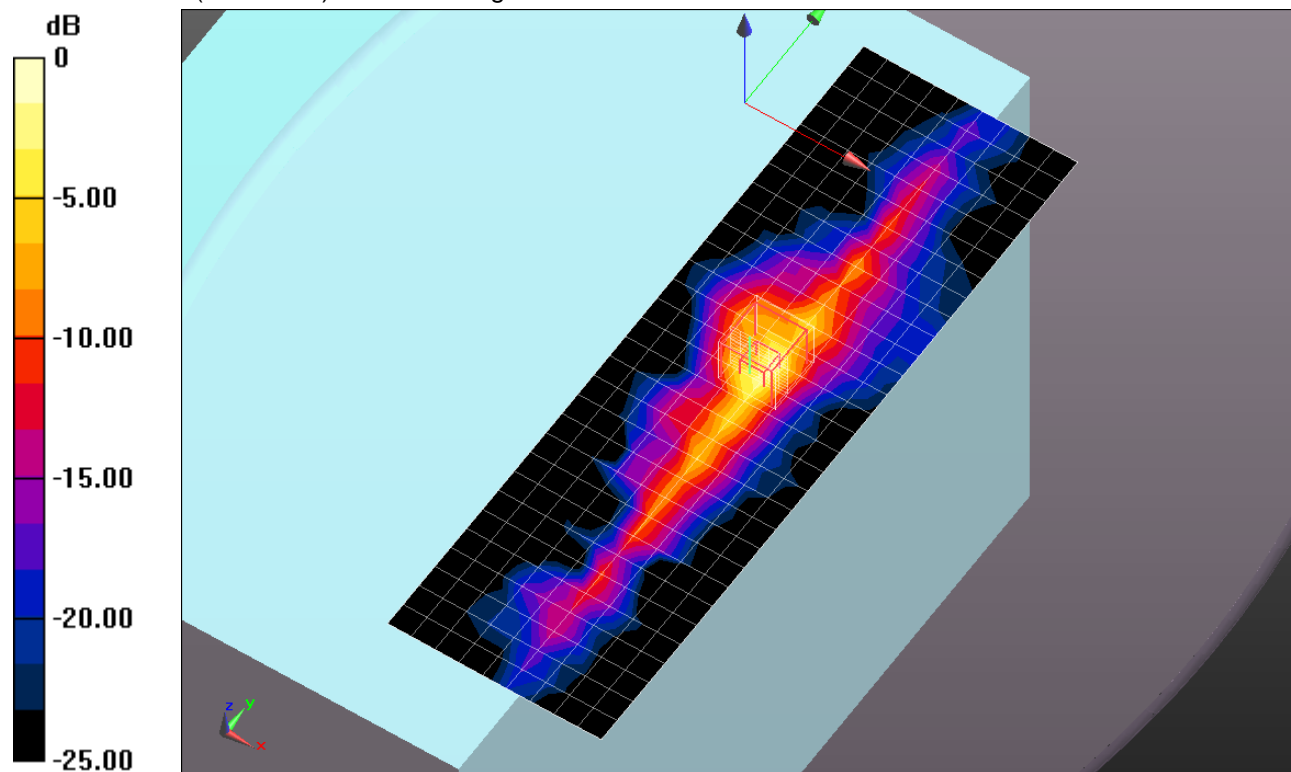
**Rear/802.11a\_Chain 0\_Ch 64/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.602 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 5.7690

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.310 mW/g**

Maximum value of SAR (measured) = 2.549 mW/g



## 5.5 GHz Band

Frequency: 5680 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5680$  MHz;  $\sigma = 5.916$  mho/m;  $\epsilon_r = 46.951$ ;  $\rho = 1000$  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(3.52, 3.52, 3.52); 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 1,0\_Ch 136/Area Scan (11x32x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 3.254 mW/g

**Rear/802.11a\_Chain 1\_Ch 136/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.481 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.2550

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.325 mW/g**

Maximum value of SAR (measured) = 2.315 mW/g

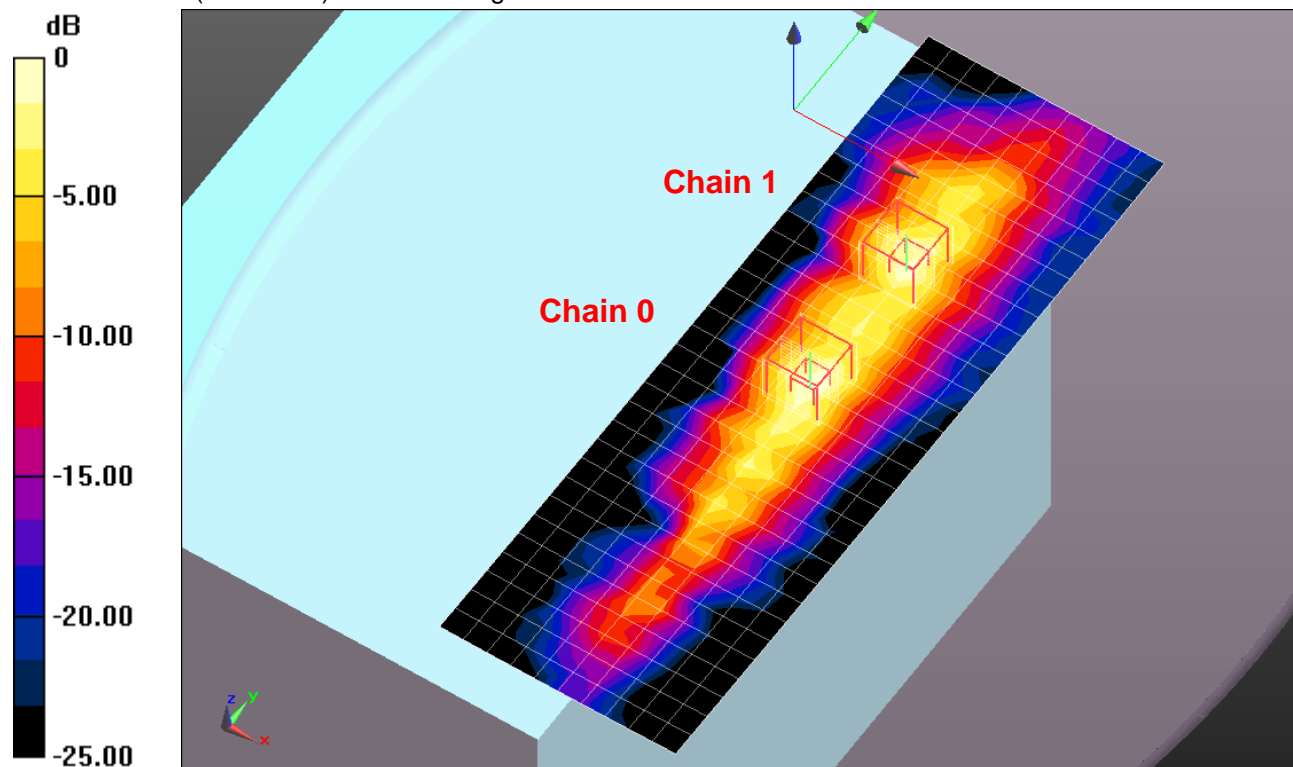
**Rear/802.11a\_Chain 0\_Ch 136/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 20.481 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.8160

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.368 mW/g**

Maximum value of SAR (measured) = 2.575 mW/g



0 dB = 2.570mW/g = 8.20 dB mW/g

## 2.4GHz Band

Frequency: 2412 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.912 \text{ mho/m}$ ;  $\epsilon_r = 51.721$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(6.62, 6.62, 6.62); 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/802.11b\_Chain 0,2\_Ch 1/Area Scan (9x26x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.477 mW/g

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

Reference Value = 30.265 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.2740

**SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.340 mW/g**

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

Maximum value of SAR (measured) = 1.506 mW/g

**Rear/802.11b\_Chain 2\_Ch 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

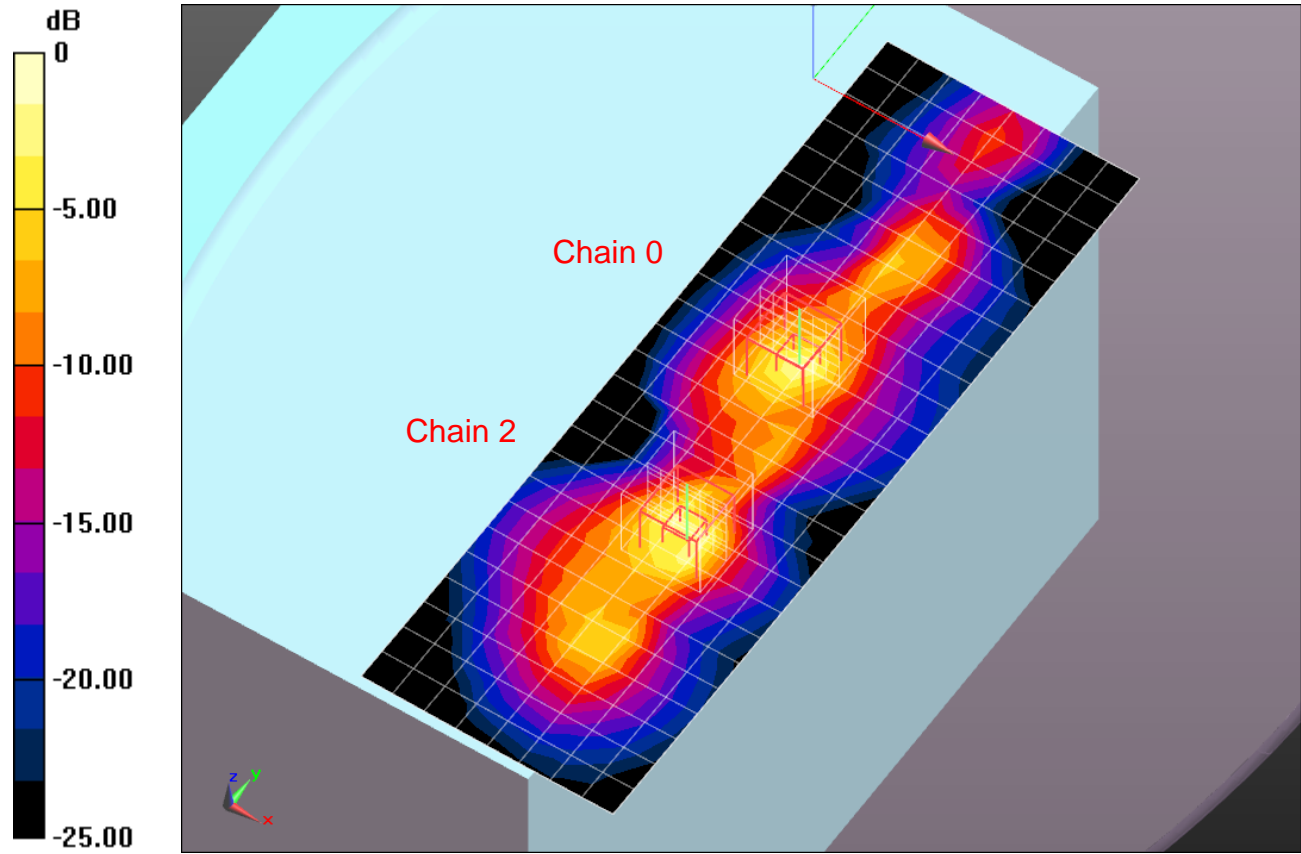
Reference Value = 30.265 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.7450

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.472 mW/g**

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

Maximum value of SAR (measured) = 1.873 mW/g



0 dB = 1.870mW/g = 5.44 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:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.008 \text{ mho/m}$ ;  $\epsilon_r = 47.021$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

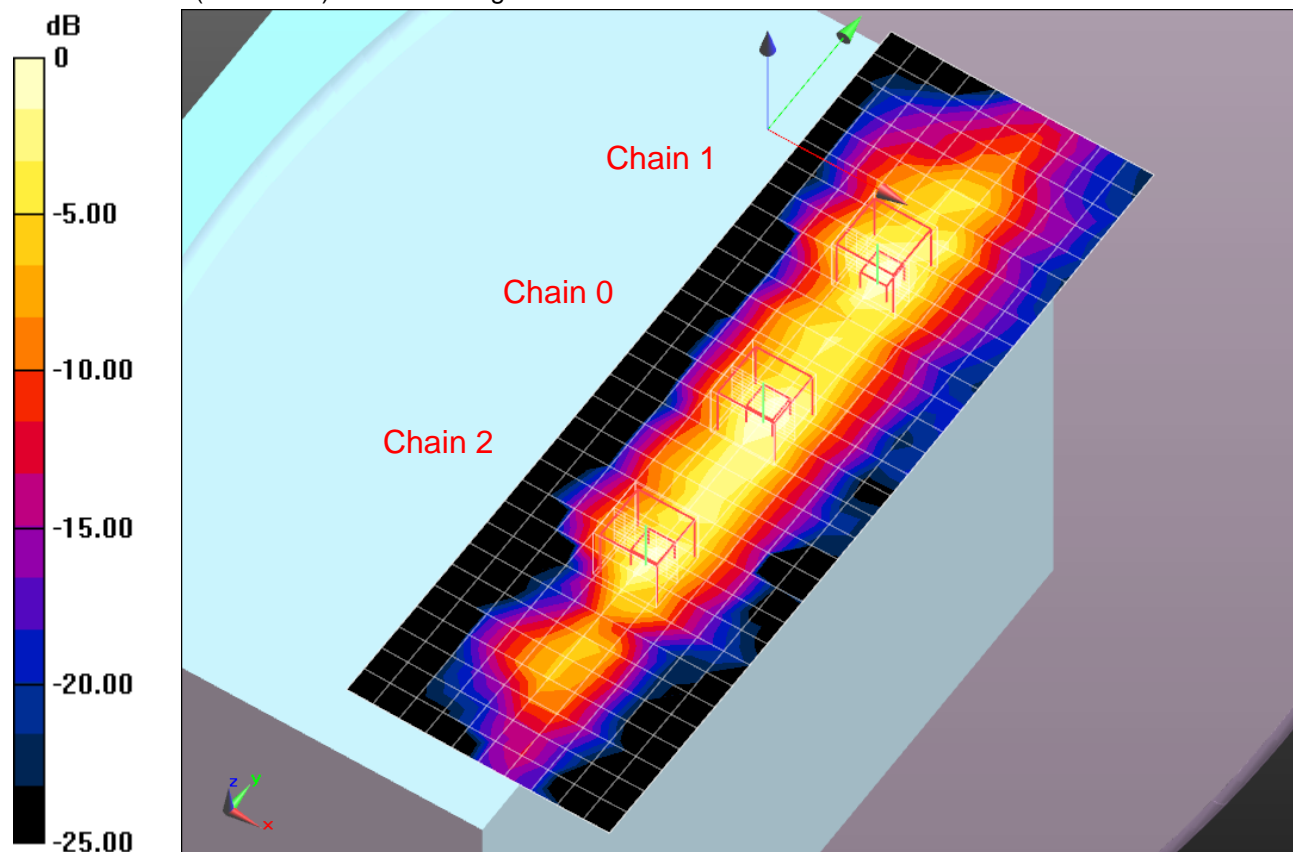
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(3.73, 3.73, 3.73); Calibrated: 1/14/2013
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Back ELI v5.0; Type: QDOVA002AA; Serial: 1137

**Rear/802.11a\_Chain 1,0,2\_Ch 149/Area Scan (11x32x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (measured) = 2.521 mW/g

**Rear/802.11a\_Chain 1\_Ch 149/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$   
 Reference Value = 20.115 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 5.9350  
**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.346 mW/g** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 2.741 mW/g

**Rear/802.11a\_Chain 0\_Ch 149/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$   
 Reference Value = 20.115 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 5.5180  
**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.340 mW/g** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 2.483 mW/g

**Rear/802.11a\_Chain 2\_Ch 149/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$   
 Reference Value = 20.115 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 4.4950  
**SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.248 mW/g** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 2.014 mW/g



0 dB = 2.010mW/g = 6.06 dB mW/g

## 5.2GHz

Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.267 \text{ mho/m}$ ;  $\epsilon_r = 48.514$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.37, 4.37, 4.37); 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 36/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.402 mW/g

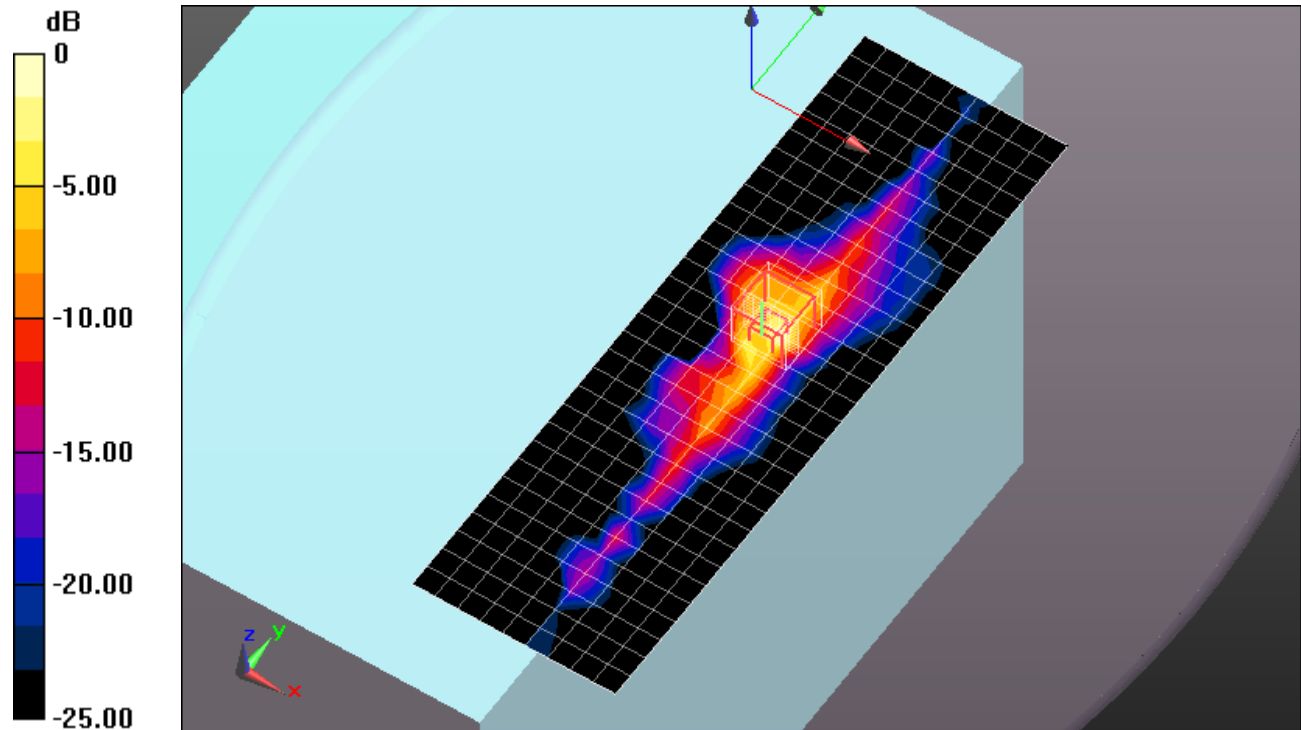
**Rear/802.11a\_Chain 0\_Ch 36/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.111 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 4.5200

**SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.216 mW/g**

Maximum value of SAR (measured) = 1.998 mW/g



0 dB = 2.000mW/g = 6.02 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:  $f = 5320$  MHz;  $\sigma = 5.432$  mho/m;  $\epsilon_r = 48.221$ ;  $\rho = 1000$  kg/m<sup>3</sup>

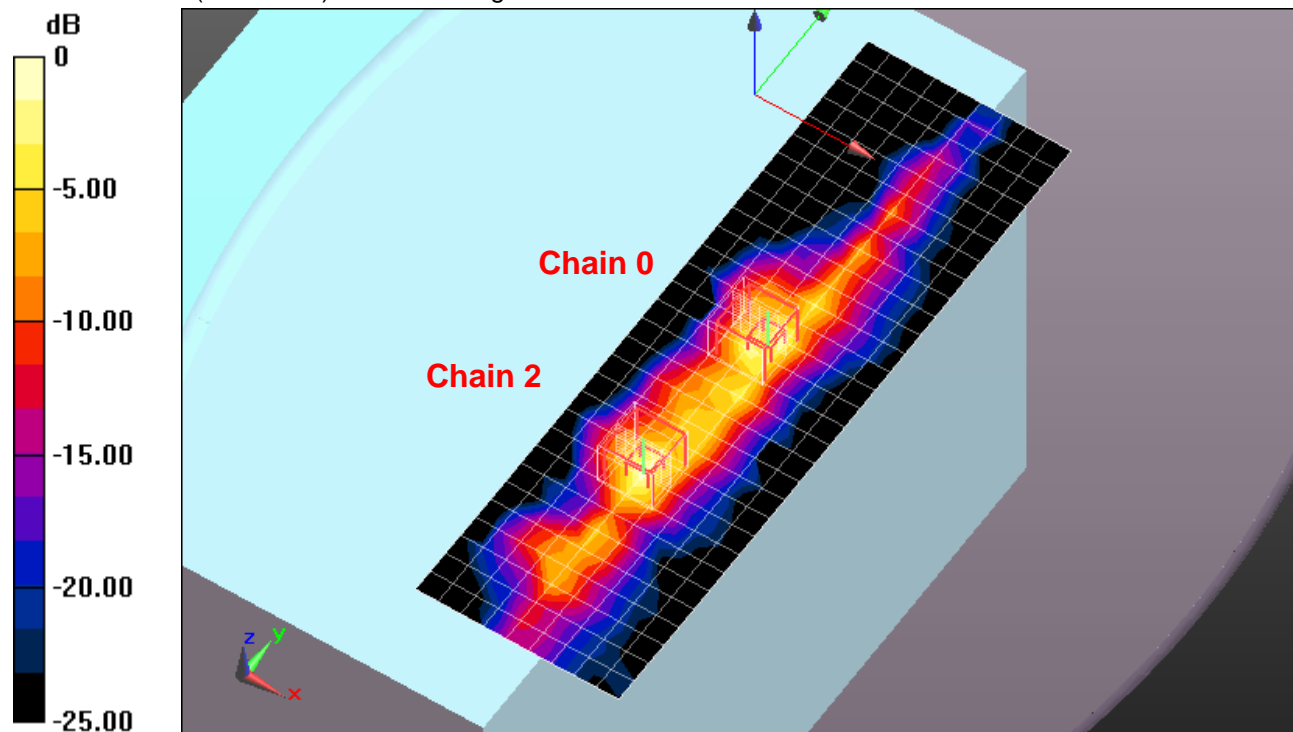
DASY5 Configuration:

- 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(4.08, 4.08, 4.08); 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 0,2\_Ch 64/Area Scan (31x10x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 2.063 mW/g

**Rear/802.11a\_Chain 0\_Ch 64/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
 Reference Value = 20.664 V/m; Power Drift = 0.09 dB  
 Peak SAR (extrapolated) = 5.3880  
**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.297 mW/g**  
 Maximum value of SAR (measured) = 2.587 mW/g

**Rear/802.11a\_Chain 2\_Ch 64/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
 Reference Value = 20.664 V/m; Power Drift = 0.09 dB  
 Peak SAR (extrapolated) = 5.1060  
**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.280 mW/g**  
 Maximum value of SAR (measured) = 2.466 mW/g



0 dB = 2.470mW/g = 7.85 dB mW/g

**5.5 GHz Band**

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5600 \text{ MHz}$ ;  $\sigma = 5.678 \text{ mho/m}$ ;  $\epsilon_r = 48.102$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1264; Calibrated: 1/14/2013
- Probe: EX3DV4 - SN3720; ConvF(3.71, 3.71, 3.71); 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\_Chain 1,0,2\_Ch 120/Area Scan (11x32x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.675 mW/g

**Rear/802.11n\_Chain 1\_Ch 120/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 20.411 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.7180

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.322 mW/g**

Maximum value of SAR (measured) = 2.260 mW/g

**Rear/802.11n\_Chain 0\_Ch 120/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 20.411 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.2120

**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.352 mW/g**

Maximum value of SAR (measured) = 2.429 mW/g

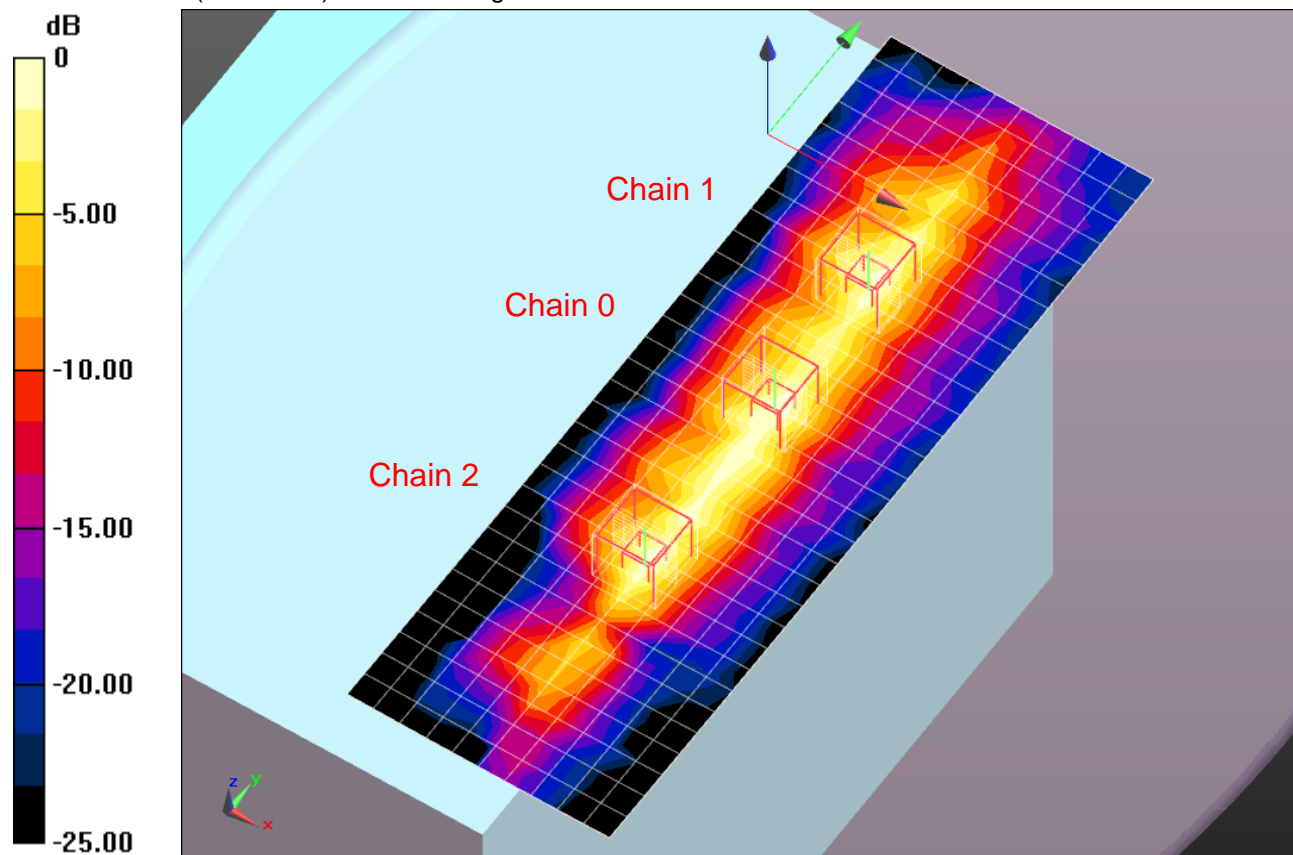
**Rear/802.11n\_Chain 2\_Ch 120/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 20.411 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.2820

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.301 mW/g**

Maximum value of SAR (measured) = 2.235 mW/g



0 dB = 2.230mW/g = 6.97 dB mW/g