

**20140715\_SystemPerformanceCheck-D2600V2 SN 1036**

Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.194$  S/m;  $\epsilon_r = 51.191$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 1/23/2014
- Probe: EX3DV4 - SN3772; ConvF(6.15, 6.15, 6.15); Calibrated: 2/26/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1099

**Body/Pin=100 mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 62.719 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 6.09 W/kg; SAR(10 g) = 2.66 W/kg**

Maximum value of SAR (interpolated) = 8.84 W/kg

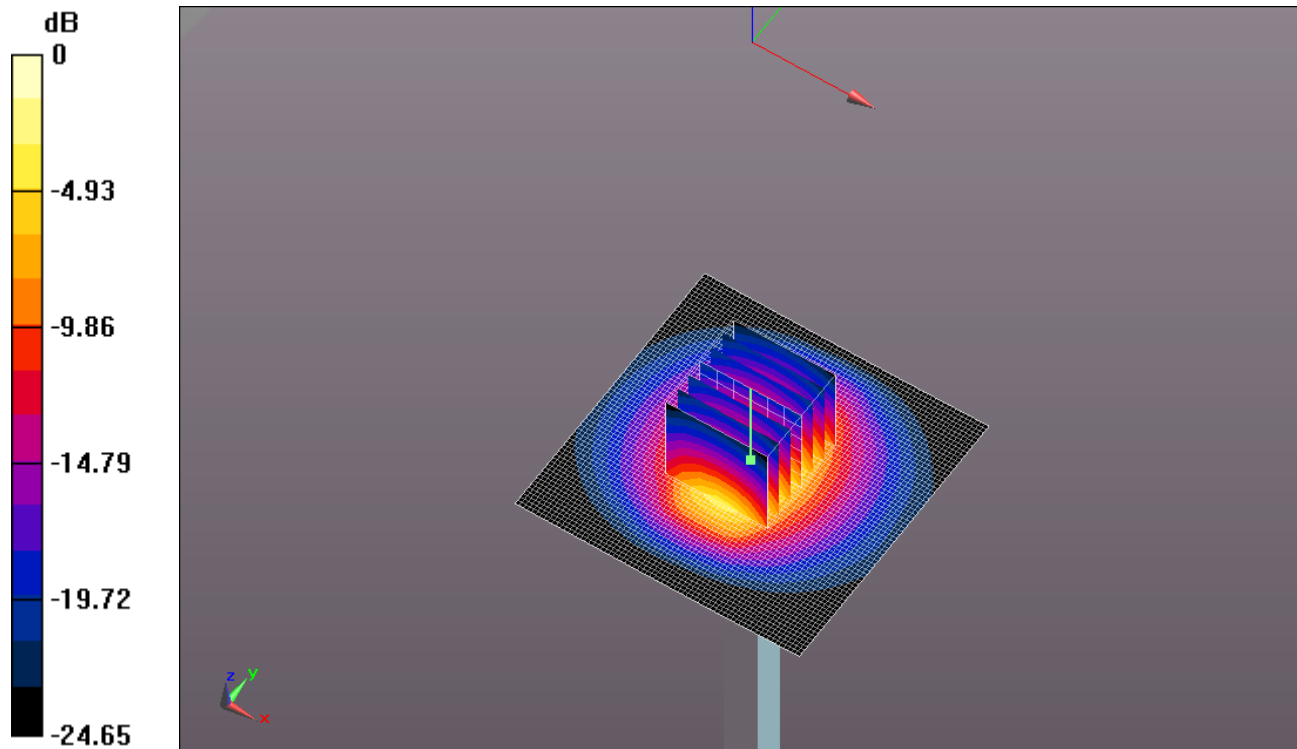
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.719 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 13.3 W/kg

**SAR(1 g) = 5.93 W/kg; SAR(10 g) = 2.57 W/kg**

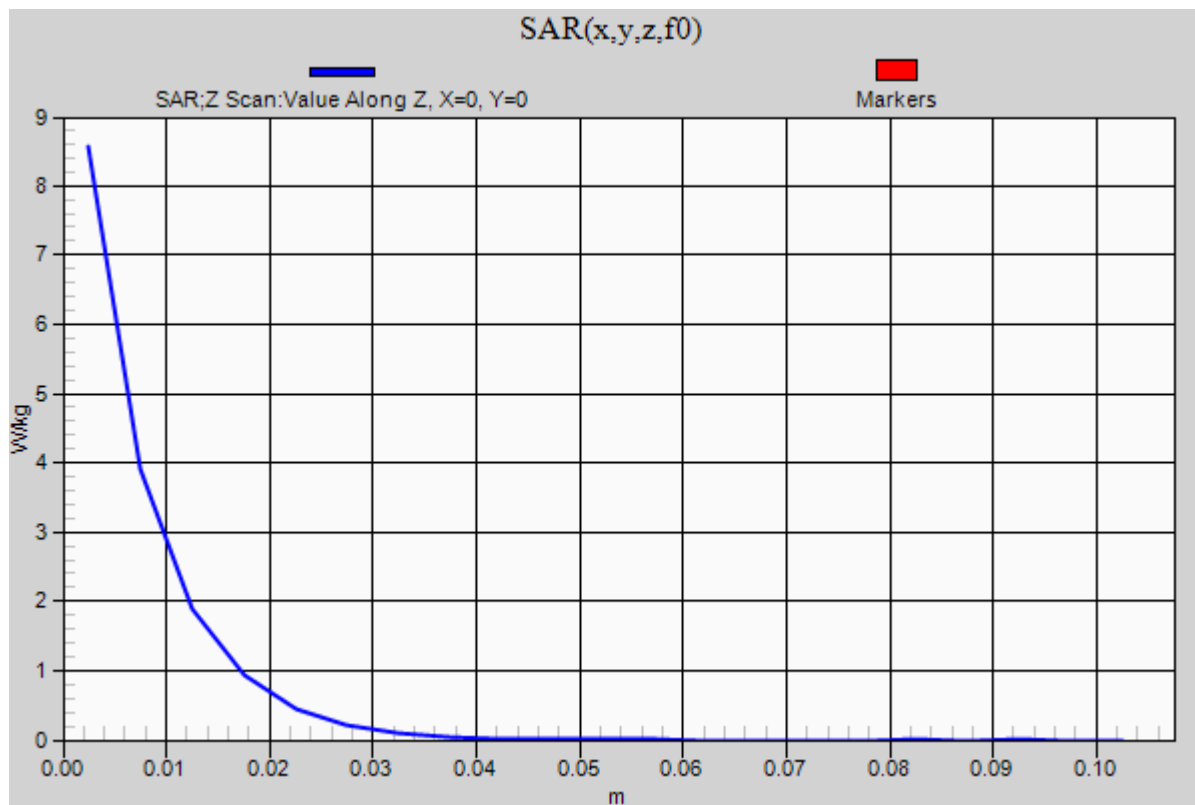
Maximum value of SAR (measured) = 8.68 W/kg



0 dB = 8.68 W/kg = 9.39 dBW/kg

**20140715\_SystemPerformanceCheck-D2600V2 SN 1036**

Frequency: 2600 MHz; Duty Cycle: 1:1

**Body/Pin=100 mW 2/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 8.56 W/kg

**20140721\_SystemPerformanceCheck-D2600V2 SN 1006**

Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.987$  S/m;  $\epsilon_r = 38.053$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 1/23/2014
- Probe: EX3DV4 - SN3772; ConvF(6.42, 6.42, 6.42); Calibrated: 2/26/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (B); Type: QD000P40CD; Serial: 1628

**Head/Pin=100 mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 62.737 V/m; Power Drift = 0.19 dB

**Fast SAR: SAR(1 g) = 6.17 W/kg; SAR(10 g) = 2.71 W/kg**

Maximum value of SAR (interpolated) = 8.91 W/kg

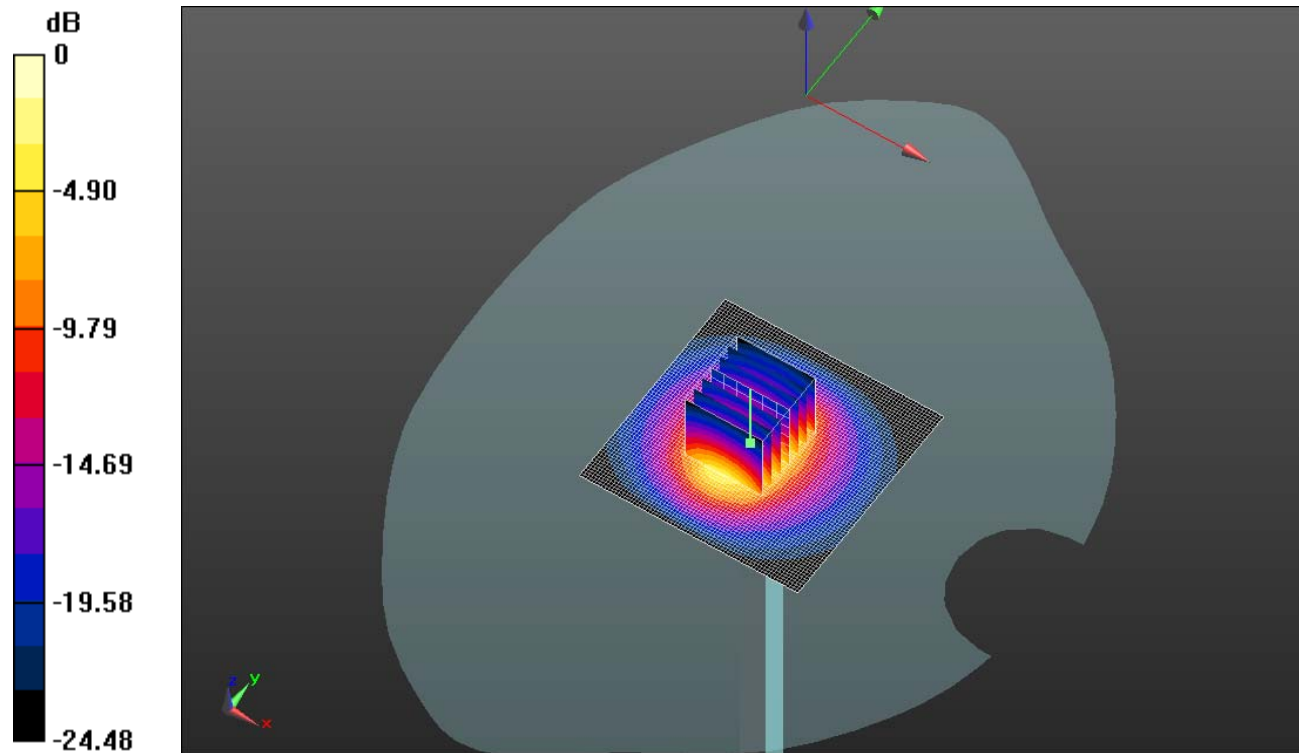
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.737 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 13.3 W/kg

**SAR(1 g) = 5.86 W/kg; SAR(10 g) = 2.55 W/kg**

Maximum value of SAR (measured) = 8.65 W/kg



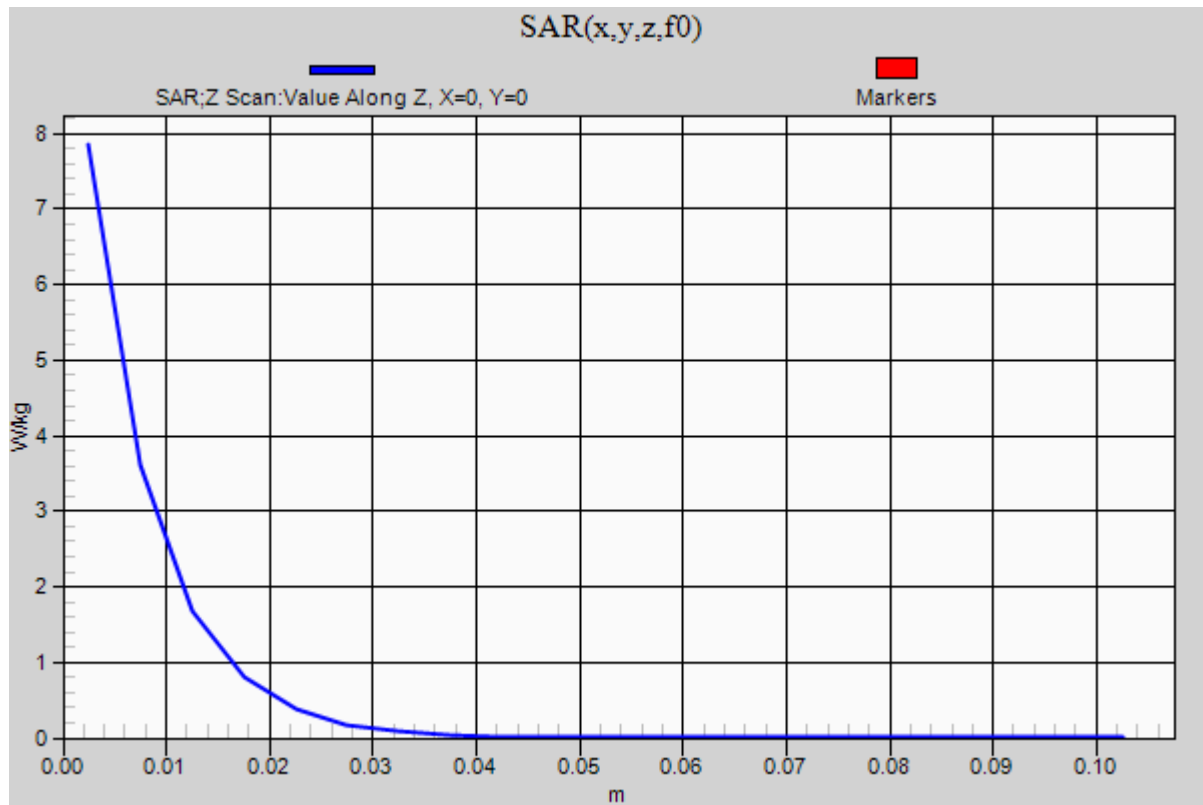
0 dB = 8.65 W/kg = 9.37 dBW/kg

**20140721\_SystemPerformanceCheck-D2600V2 SN 1006**

Frequency: 2600 MHz; Duty Cycle: 1:1

**Head/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 7.85 W/kg



**20140714\_SystemPerformanceCheck-D2450V2 SN 706**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.97$  S/m;  $\epsilon_r = 51.99$ ;  $\rho = 1000$  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: DAE3 Sn500; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3749; ConvF(6.49, 6.49, 6.49); Calibrated: 1/29/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Body/Pin=100 mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 62.770 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.3 W/kg**

Maximum value of SAR (interpolated) = 7.79 W/kg

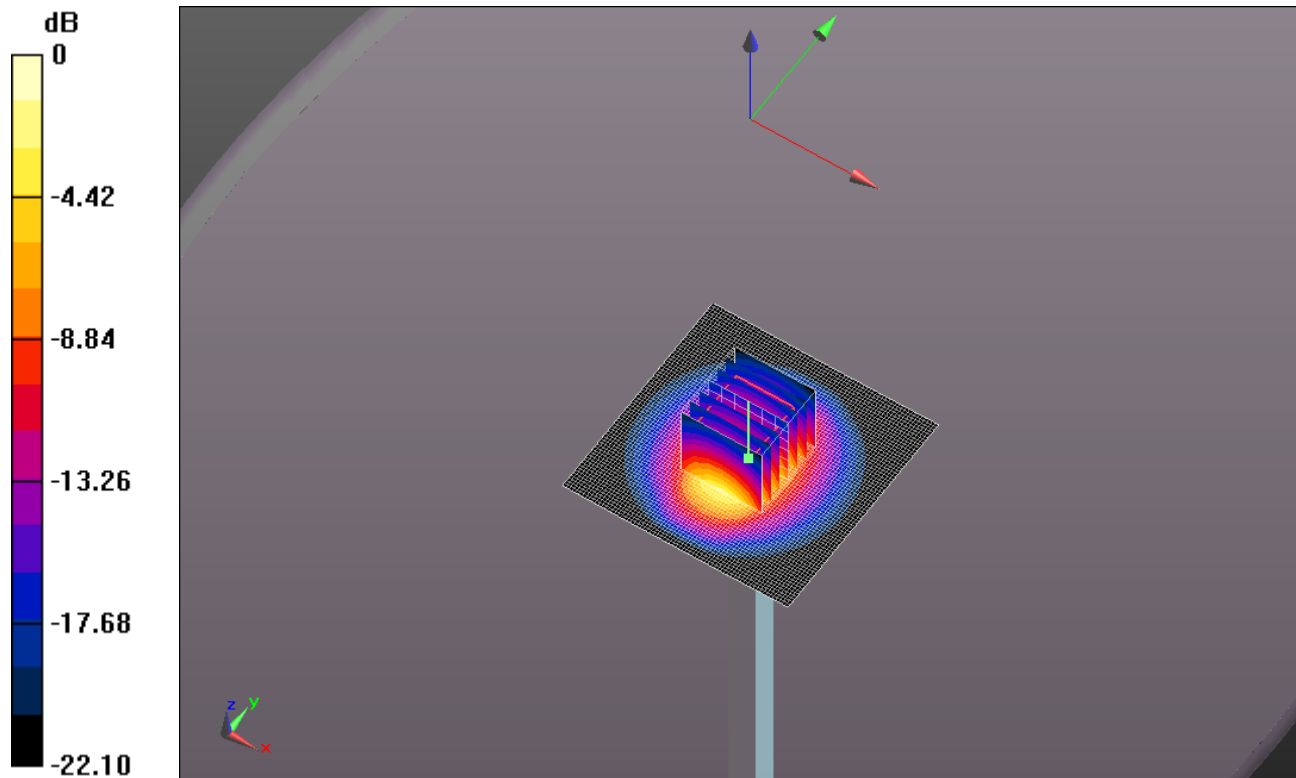
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.770 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.3 W/kg

**SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.47 W/kg**

Maximum value of SAR (measured) = 7.67 W/kg



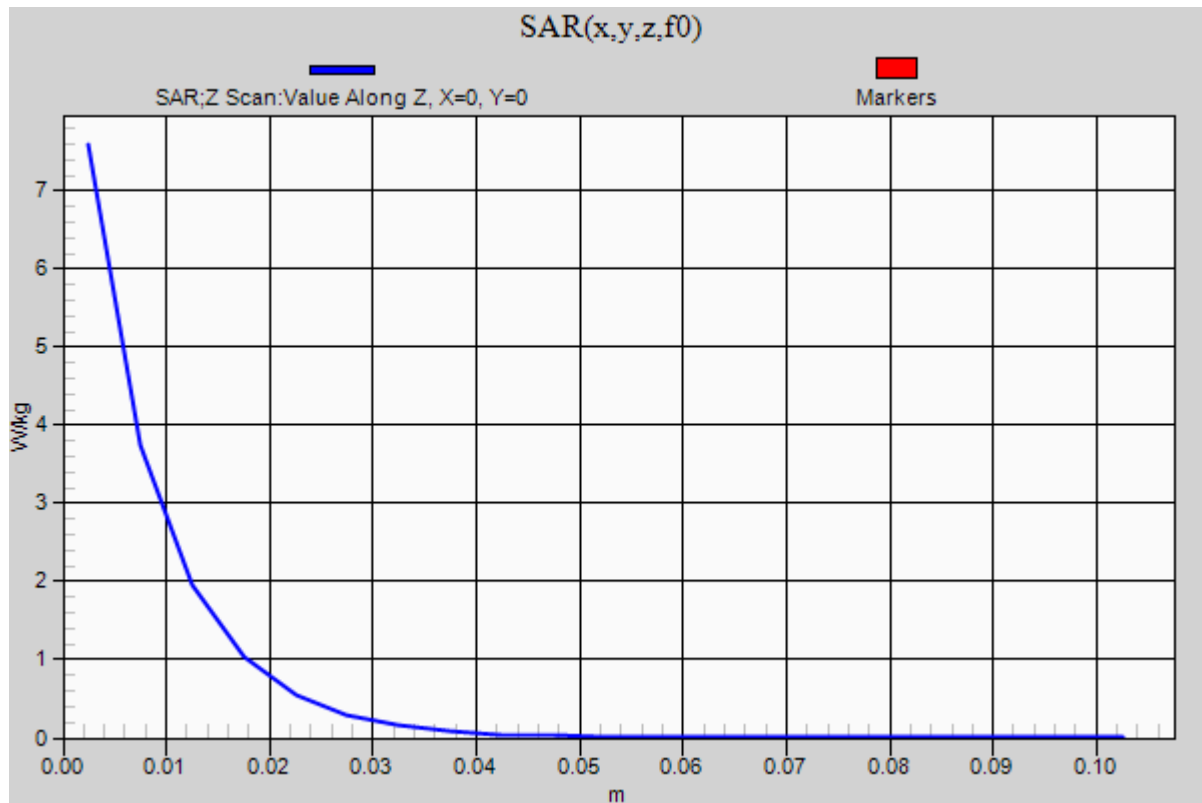
0 dB = 7.67 W/kg = 8.85 dBW/kg

**20140714\_SystemPerformanceCheck-D2450V2 SN 706**

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) = 7.59 W/kg



**20140721\_SystemPerformanceCheck-D2600VS SN 1006**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.849$  S/m;  $\epsilon_r = 39.593$ ;  $\rho = 1000$  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: DAE3 Sn500; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3749; ConvF(6.6, 6.6, 6.6); Calibrated: 1/29/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000PCD; Serial: 1632

**Head/Pin=100 mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 61.750 V/m; Power Drift = 0.19 dB

**Fast SAR: SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.33 W/kg**

Maximum value of SAR (interpolated) = 7.92 W/kg

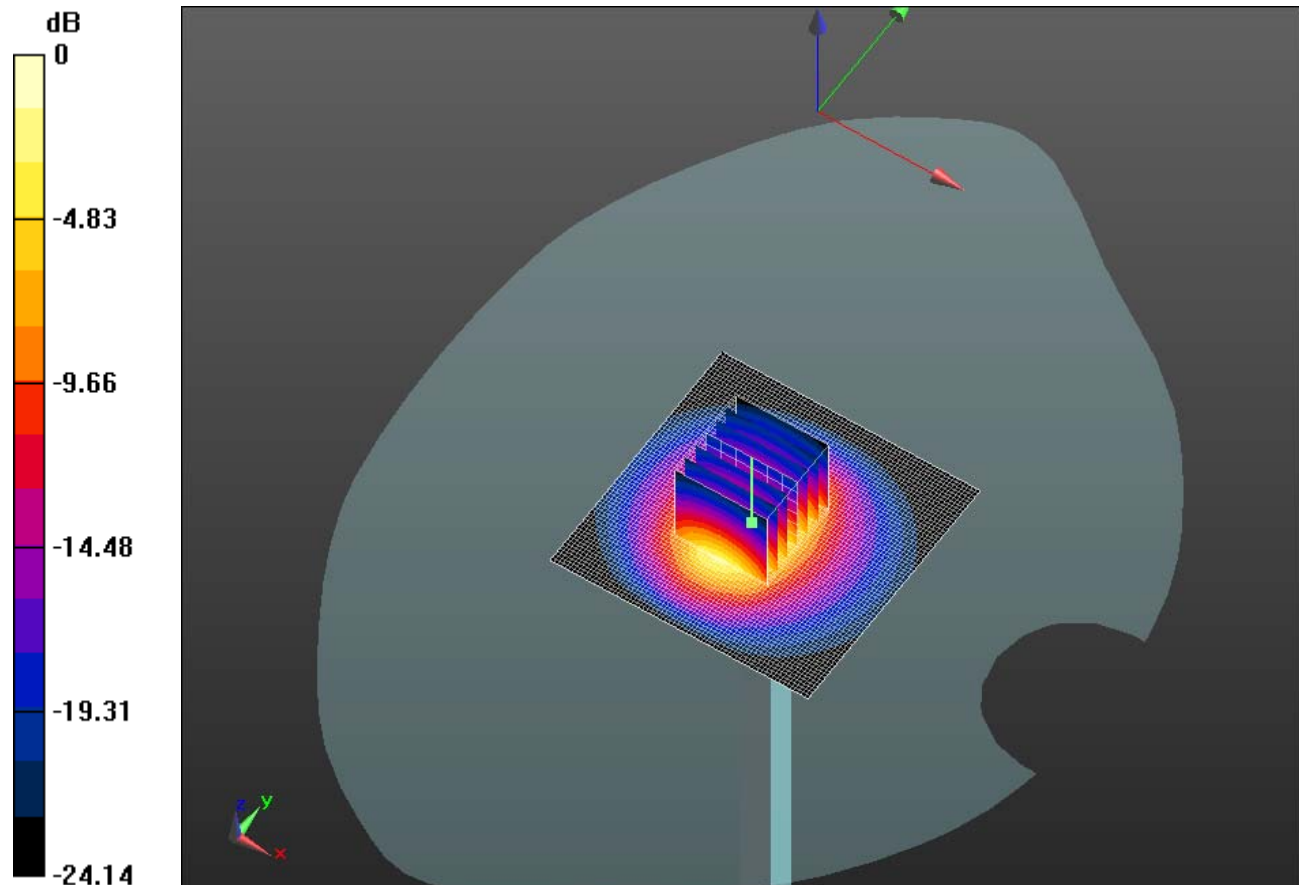
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.750 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 11.8 W/kg

**SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.36 W/kg**

Maximum value of SAR (measured) = 7.73 W/kg



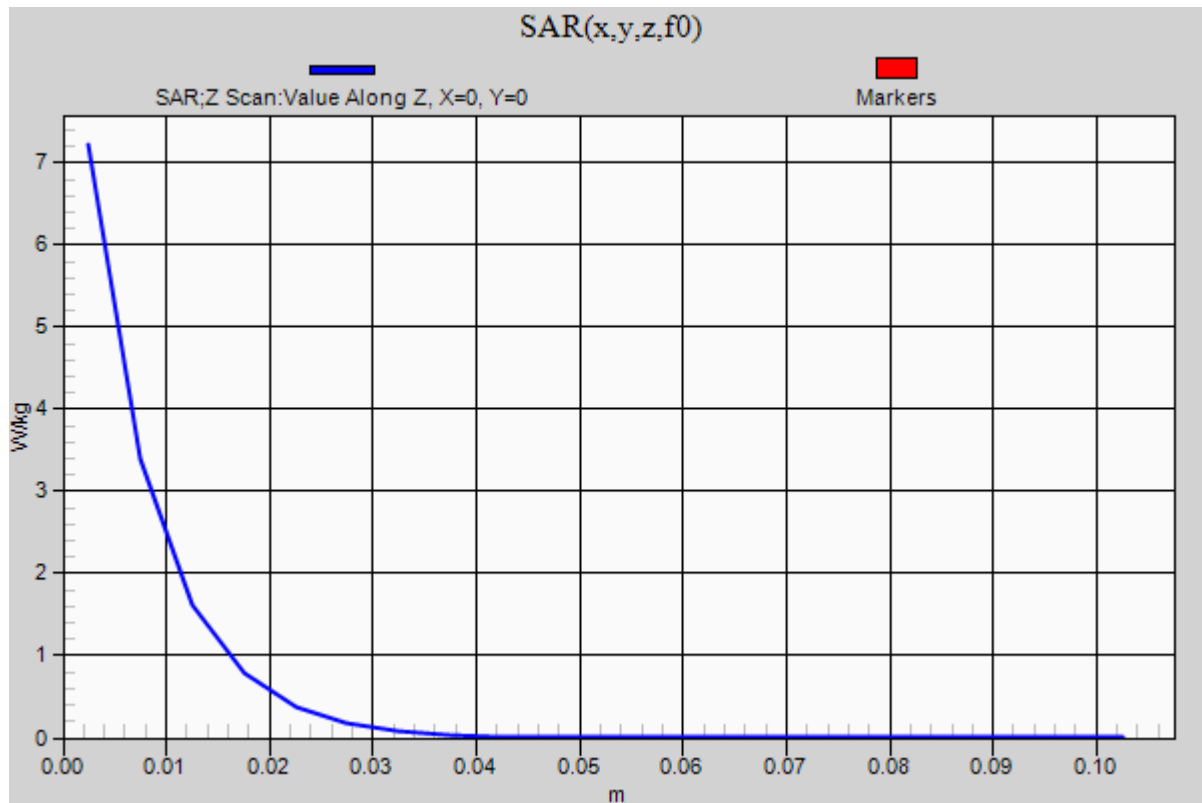
0 dB = 7.73 W/kg = 8.88 dBW/kg

**20140721\_SystemPerformanceCheck-D2600VS SN 1006**

Frequency: 2450 MHz; Duty Cycle: 1:1

**Head/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 7.22 W/kg



**20140715\_SystemPerformanceCheck-D750V3 SN 1019**

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.897$  S/m;  $\epsilon_r = 42.257$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 3/17/2014
- Probe: EX3DV4 - SN3751; ConvF(9.3, 9.3, 9.3); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v4.0(A); Type: QD000P40CD; Serial: 1632

**Head/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 33.686 V/m; Power Drift = -0.04 dB

**Fast SAR: SAR(1 g) = 0.803 W/kg; SAR(10 g) = 0.544 W/kg**

Maximum value of SAR (interpolated) = 0.948 W/kg

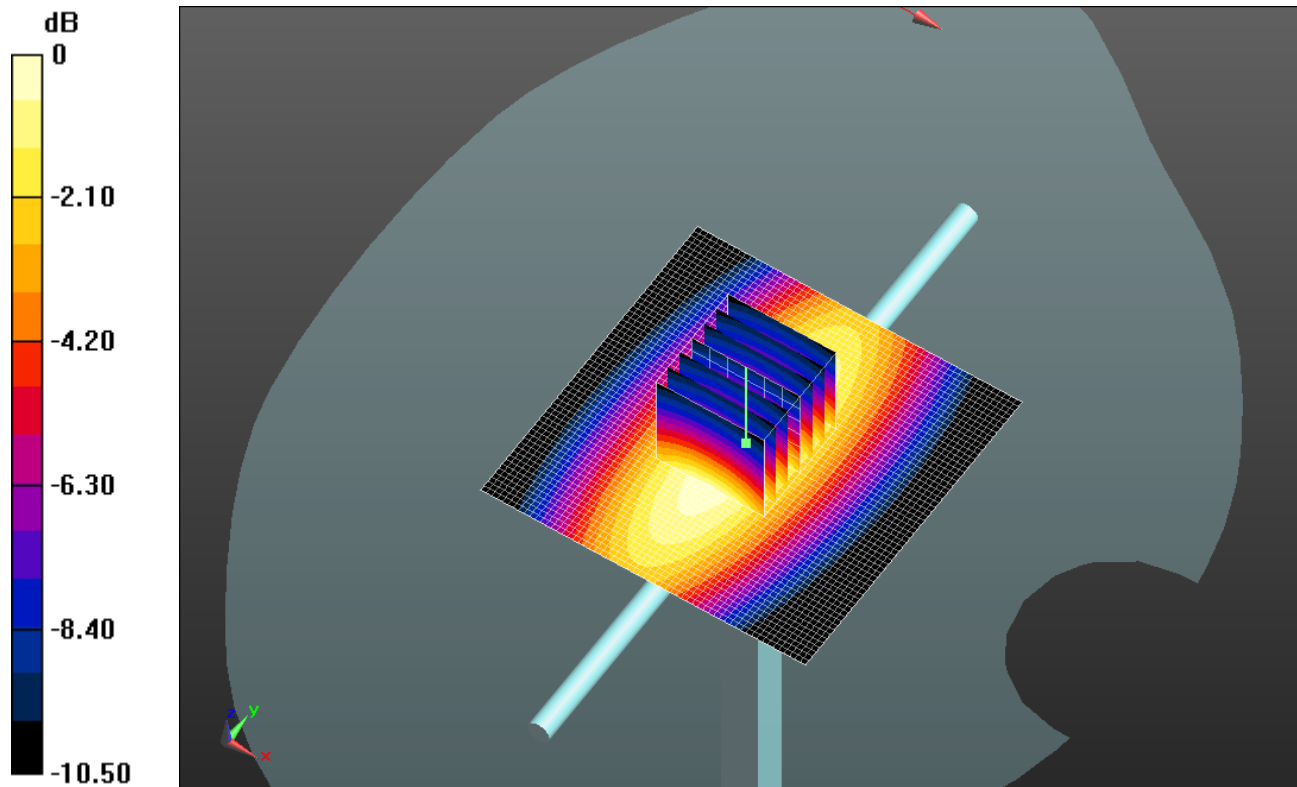
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.686 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.507 W/kg**

Maximum value of SAR (measured) = 0.948 W/kg

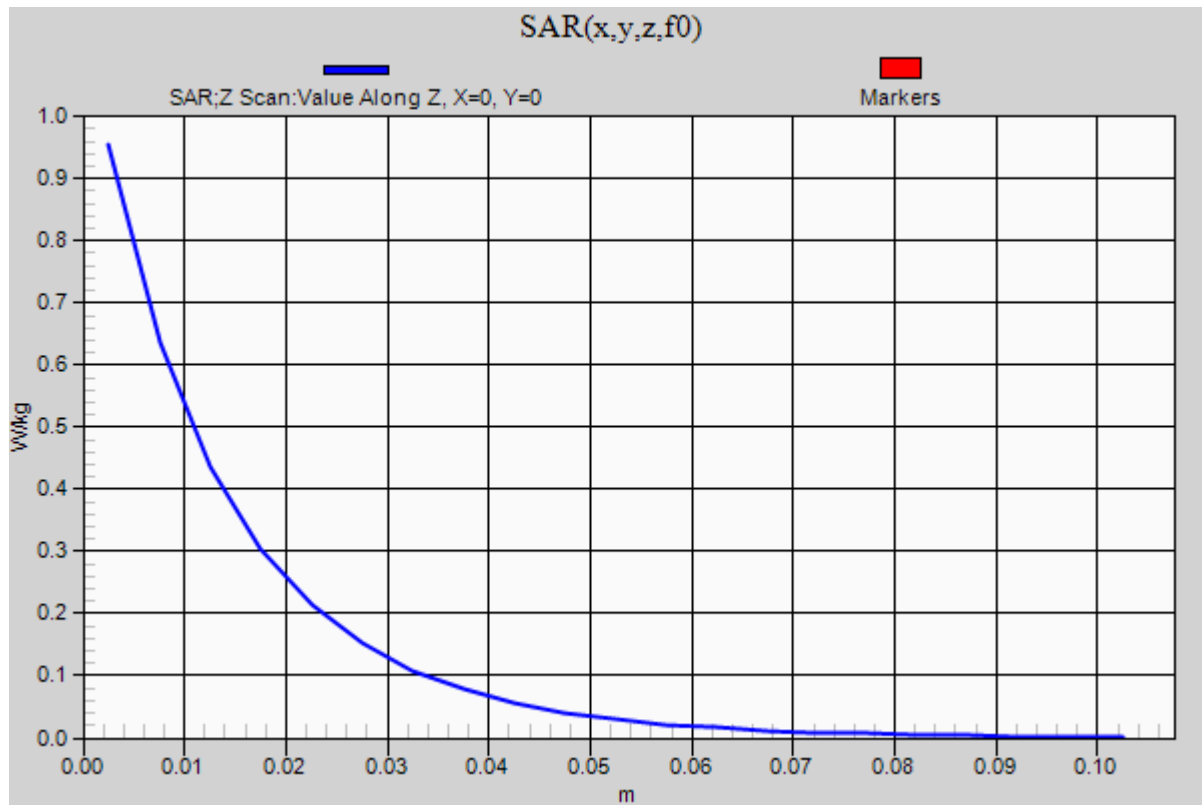


**20140715\_SystemPerformanceCheck-D750V3 SN 1019**

Frequency: 750 MHz; Duty Cycle: 1:1

**Head/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.955 W/kg



**20140719\_SystemPerformanceCheck-D835V2 SN 4d142**

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 41.184$ ;  $\rho = 1000$  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
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Probe: EX3DV4 - SN3751; ConvF(9.07, 9.07, 9.07); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v4.0(A); Type: QD000P40CD; Serial: 1632

**Head/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 33.791 V/m; Power Drift = 0.03 dB

**Fast SAR: SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.628 W/kg**

Maximum value of SAR (interpolated) = 1.11 W/kg

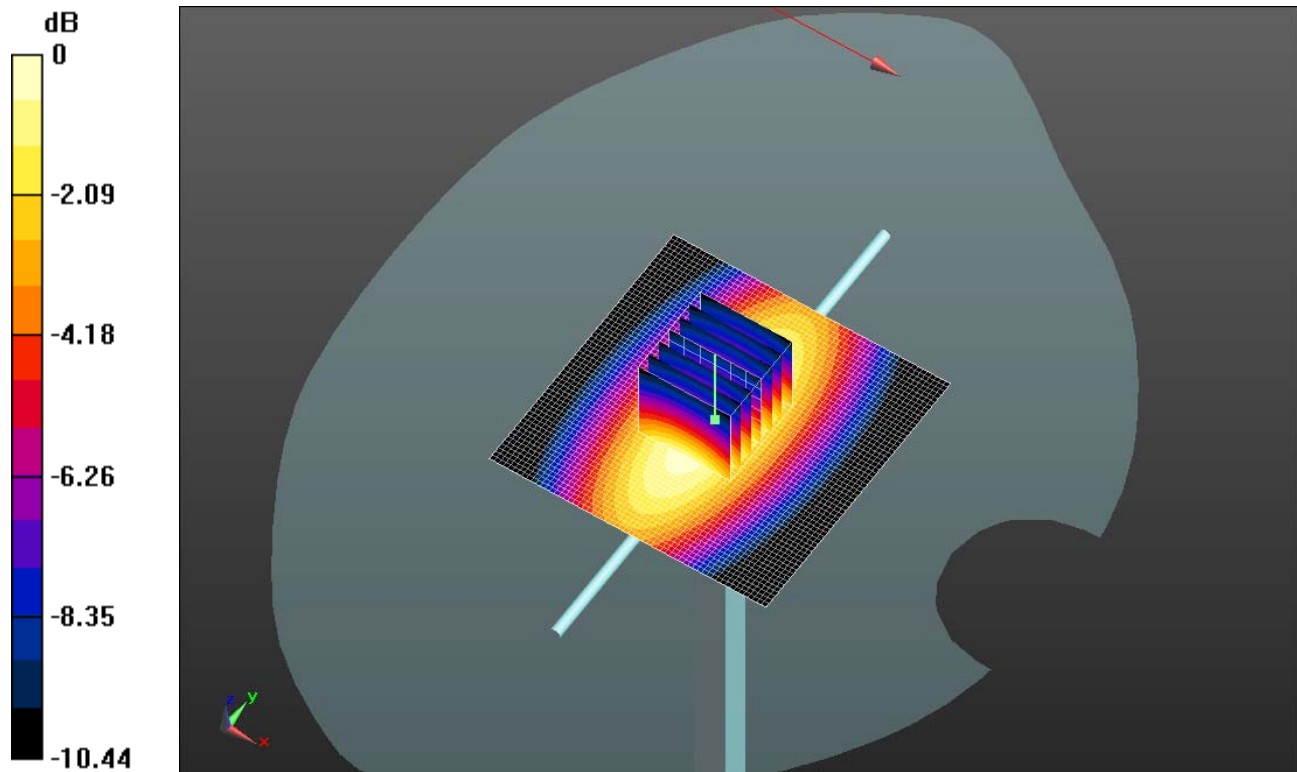
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.791 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.598 W/kg**

Maximum value of SAR (measured) = 1.11 W/kg



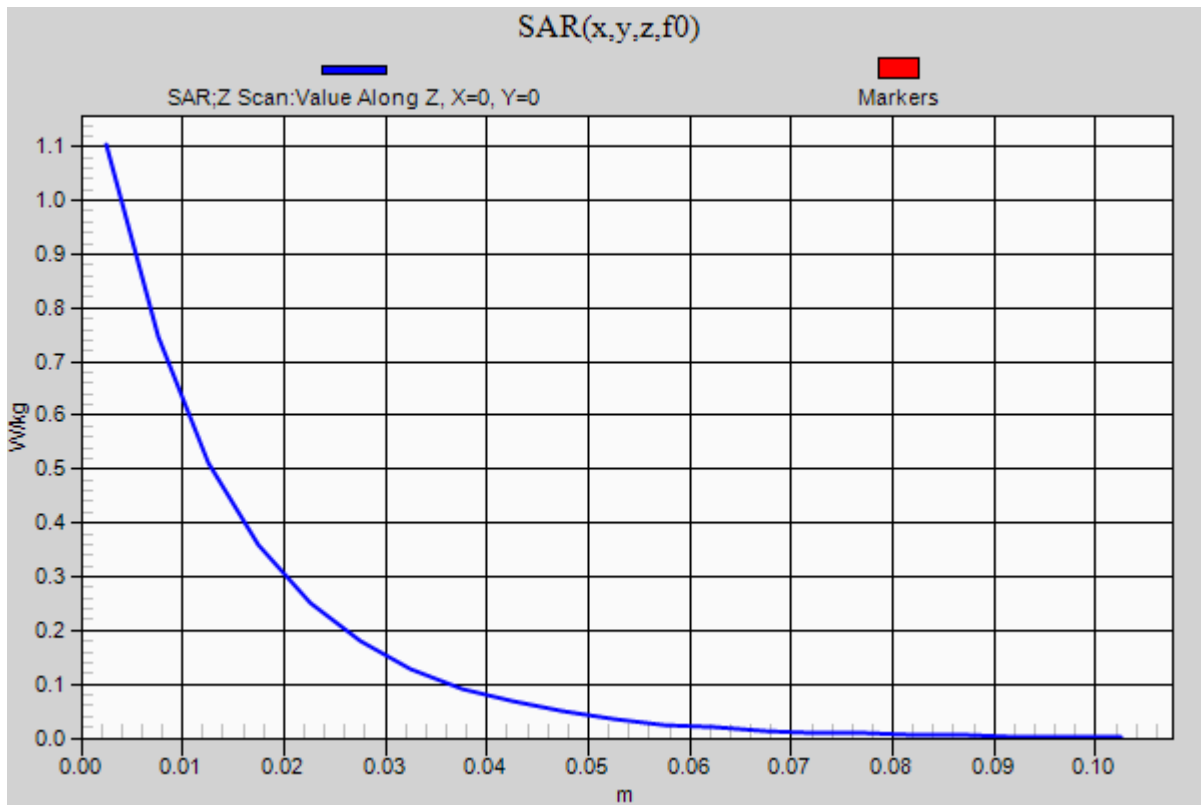
0 dB = 1.11 W/kg = 0.45 dBW/kg

**20140719\_SystemPerformanceCheck-D835V2 SN 4d142**

Frequency: 835 MHz; Duty Cycle: 1:1

**Head/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

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



**20140714\_SystemPerformanceCheck-D835V2 SN 4d142**

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.885$  S/m;  $\epsilon_r = 40.324$ ;  $\rho = 1000$  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 Sn1433; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**Head/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 34.969 V/m; Power Drift = 0.03 dB

**Fast SAR: SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.611 W/kg**

Maximum value of SAR (interpolated) = 1.08 W/kg

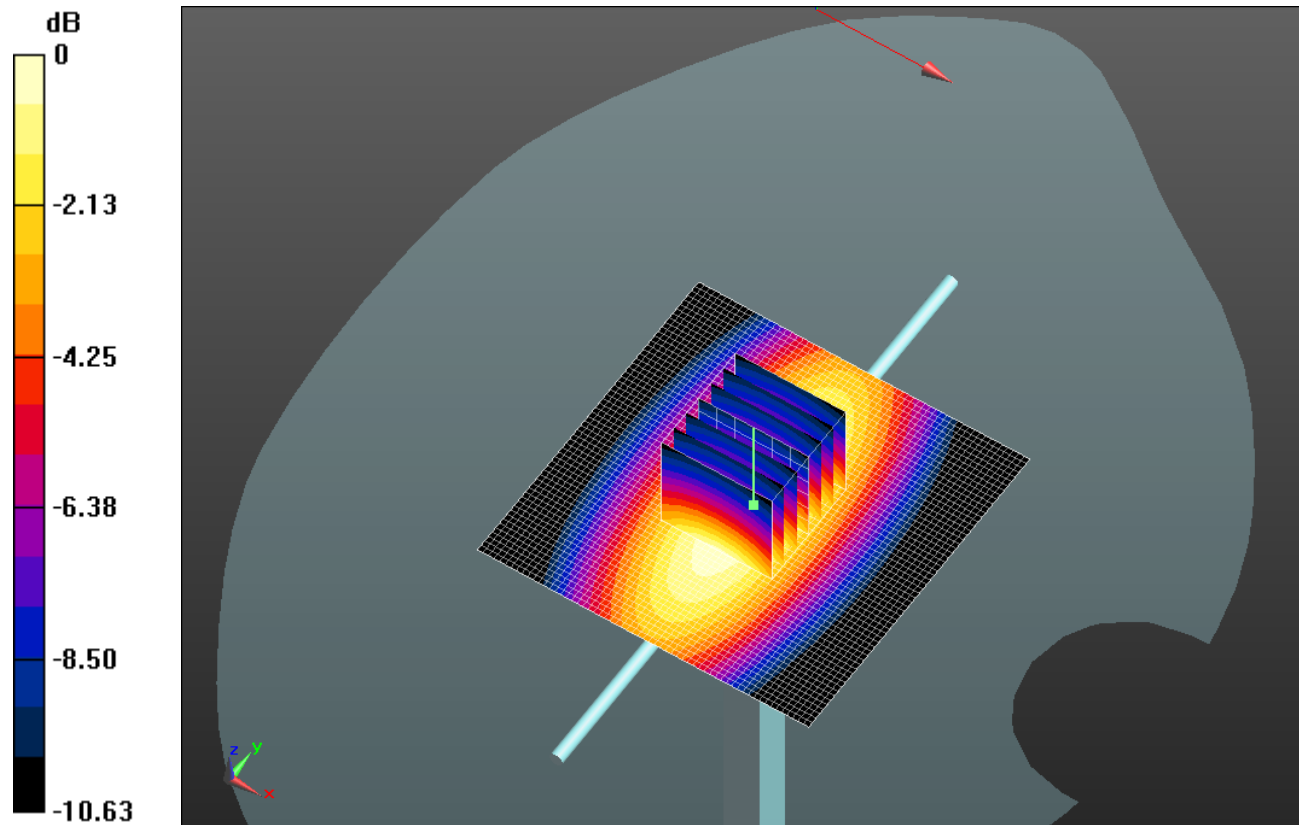
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.969 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.574 W/kg**

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



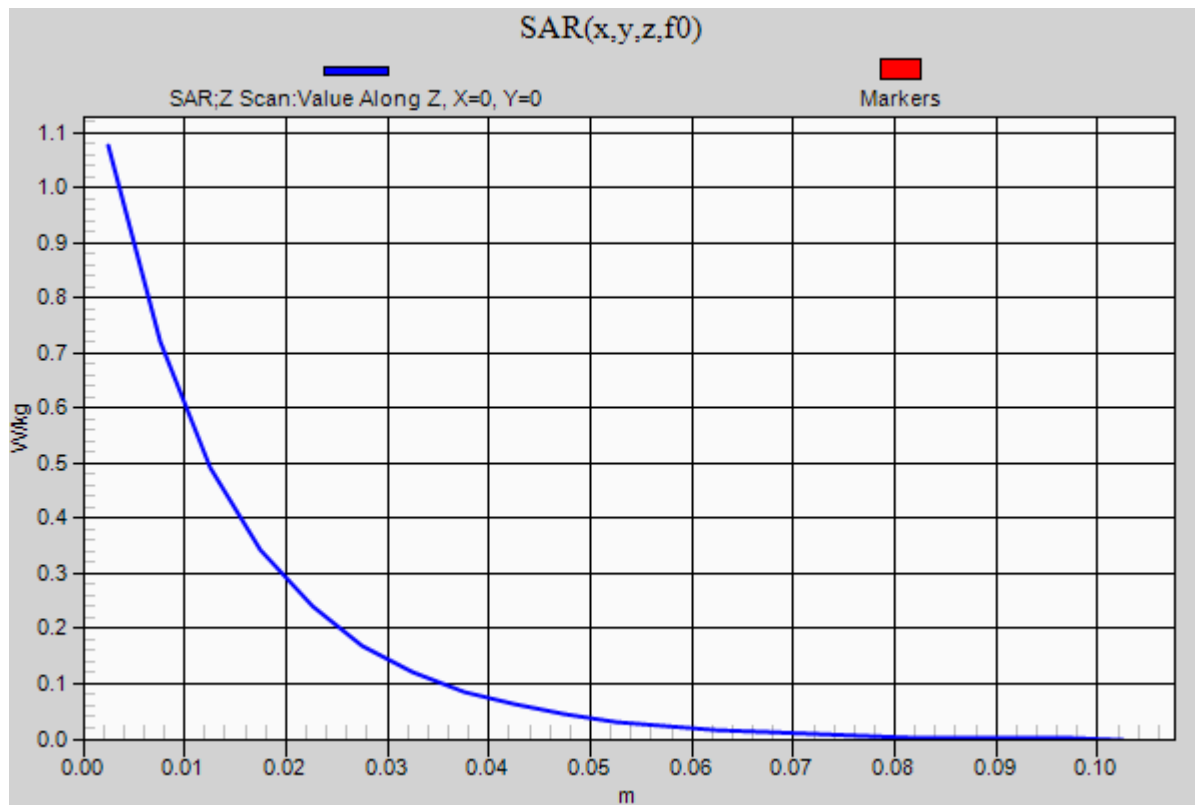
0 dB = 1.07 W/kg = 0.29 dBW/kg

**20140714\_SystemPerformanceCheck-D835V2 SN 4d142**

Frequency: 835 MHz; Duty Cycle: 1:1

**Head/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 1.08 W/kg



**20140710\_SystemPerformanceCheck-D5GHzV2 SN 1168**

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.037$  S/m;  $\epsilon_r = 36.765$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/17/2014
- Probe: EX3DV4 - SN3901; ConvF(4.45, 4.45, 4.45); Calibrated: 2/25/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**Head/5.6 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 44.271 V/m; Power Drift = 0.15 dB

**Fast SAR: SAR(1 g) = 7.31 W/kg; SAR(10 g) = 2.06 W/kg**

Maximum value of SAR (interpolated) = 19.7 W/kg

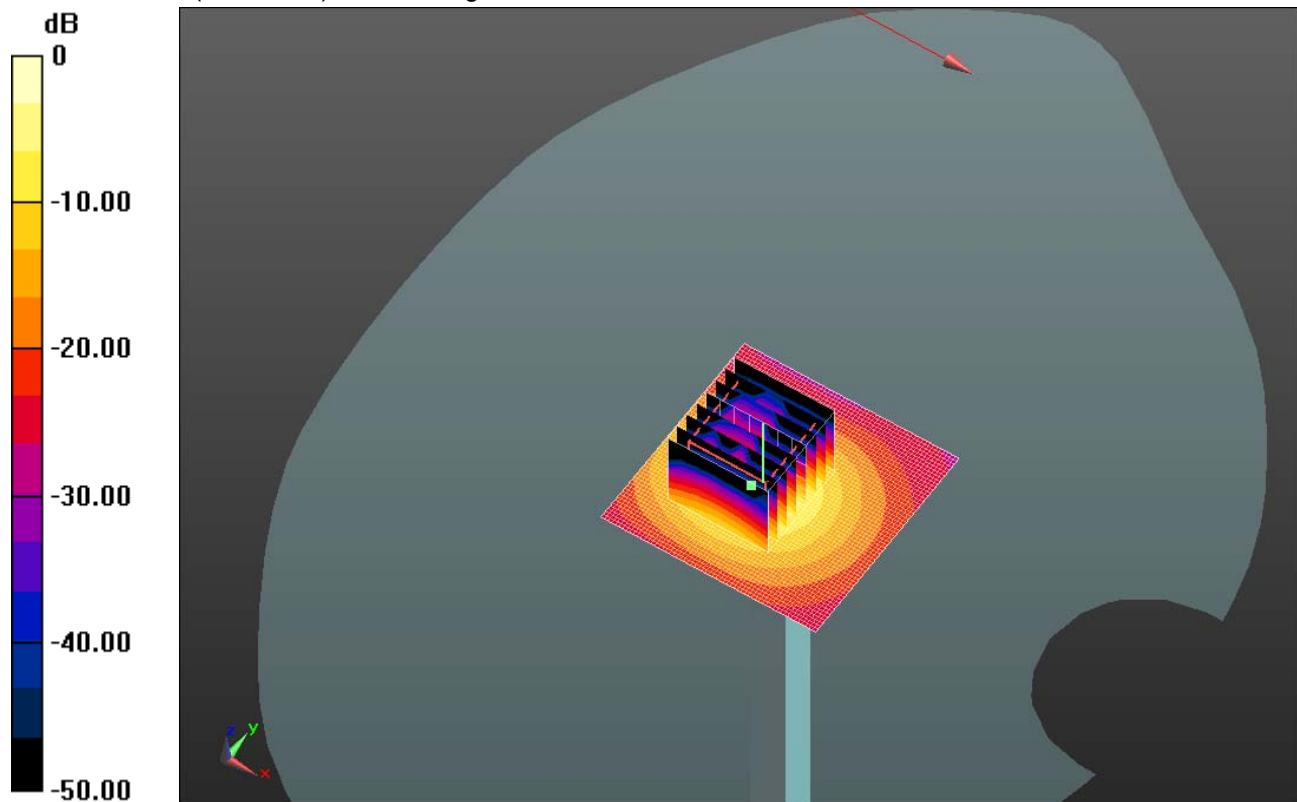
**Head/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 44.271 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 34.5 W/kg

**SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.23 W/kg**

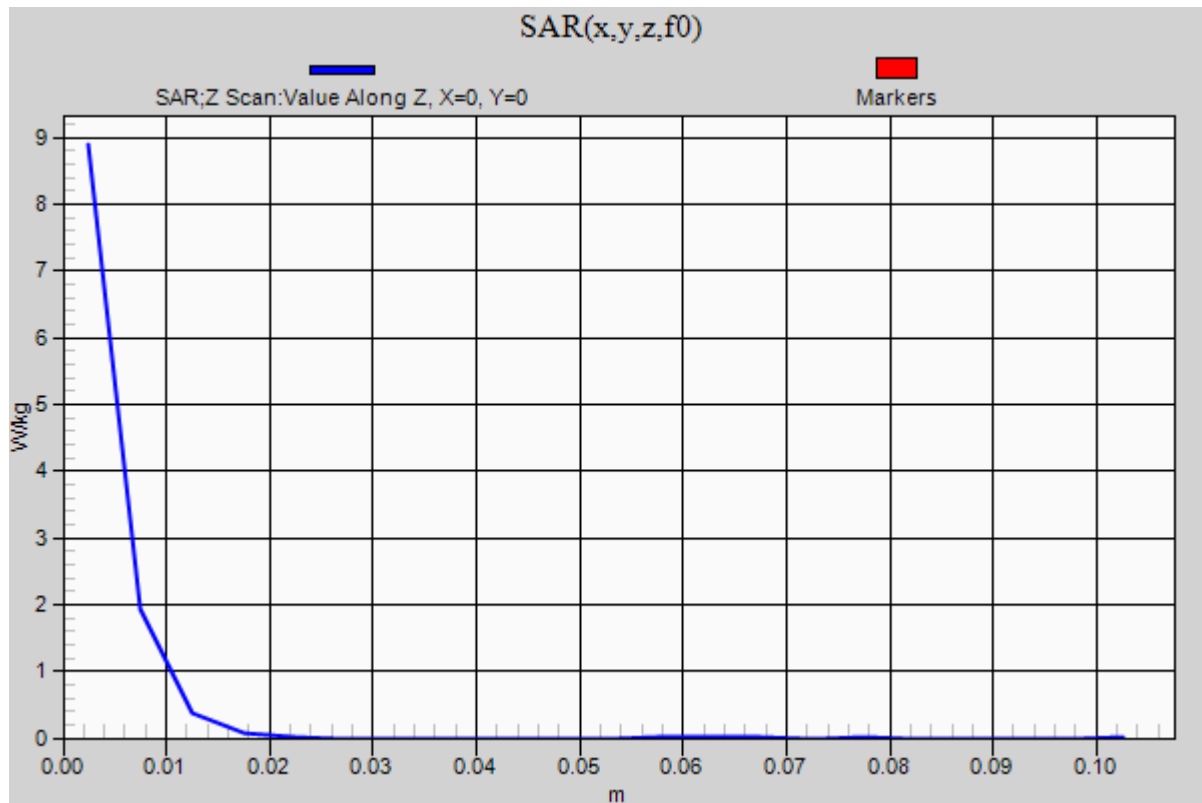
Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.4 W/kg = 12.88 dBW/kg

**20140710\_SystemPerformanceCheck-D5GHzV2 SN 1168**

Frequency: 5600 MHz; Duty Cycle: 1:1

**Head/5.6 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 8.89 W/kg

**20140710 SystemPerformanceCheck-D5GHzV2 SN 1168**

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

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.601$  S/m;  $\epsilon_r = 36.505$ ;  $\rho = 1000$  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 Sn1239; Calibrated: 4/15/2014
- Probe: EX3DV4 - SN3885; ConvF(4.92, 4.92, 4.92); Calibrated: 9/18/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1727

**Head/5.2 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 43.715 V/m; Power Drift = -0.05 dB

**Fast SAR: SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.21 W/kg**

Maximum value of SAR (interpolated) = 19.9 W/kg

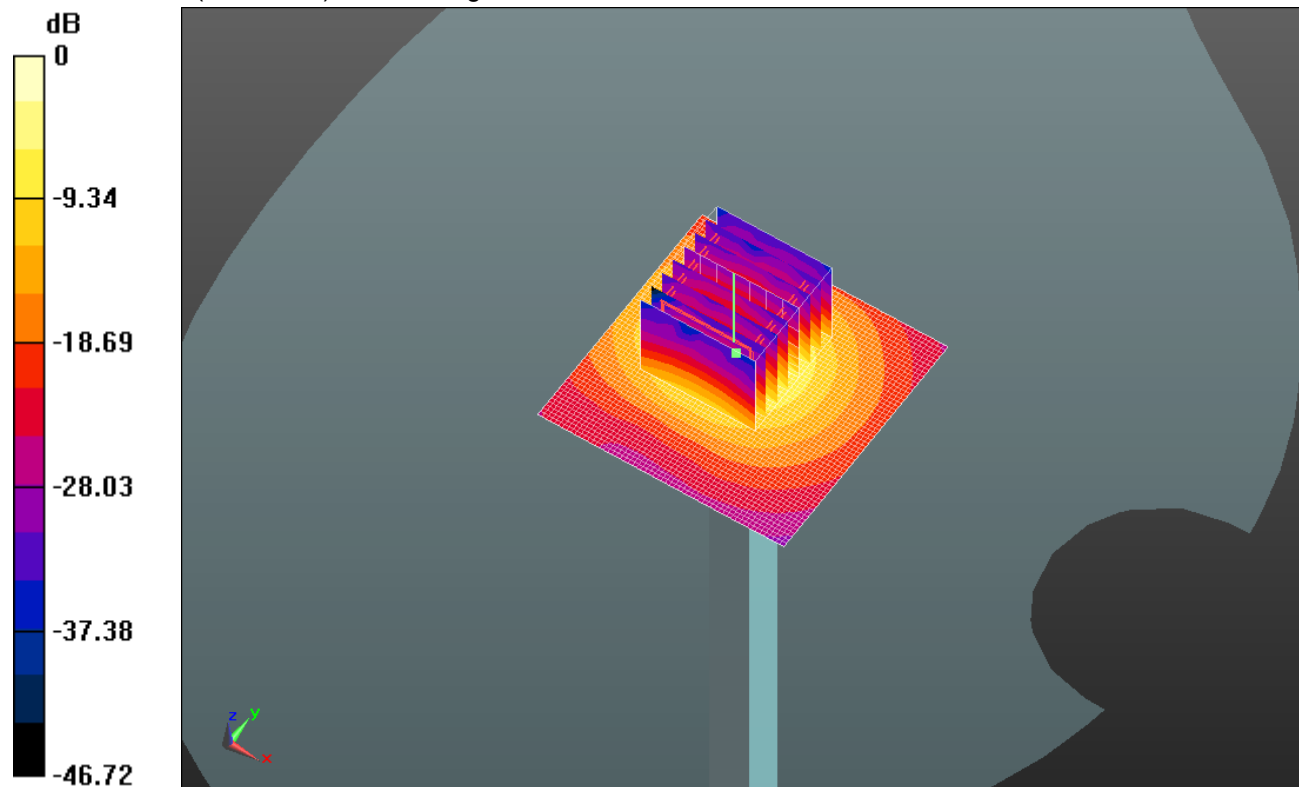
**Head/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.715 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 29.4 W/kg

**SAR(1 g) = 7.33 W/kg; SAR(10 g) = 2.12 W/kg**

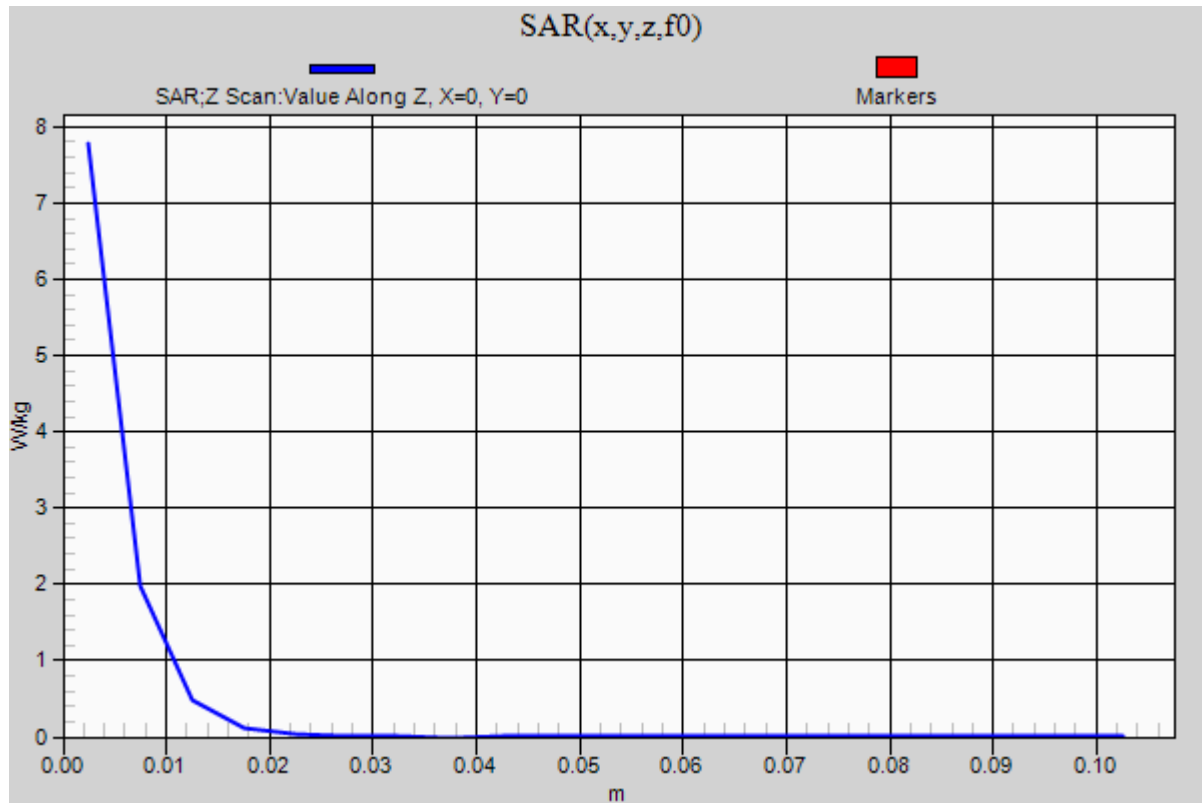
Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.1 W/kg = 12.33 dBW/kg

**20140710 SystemPerformanceCheck-D5GHzV2 SN 1168**

Frequency: 5200 MHz; Duty Cycle: 1:1

**Head/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 7.78 W/kg

**20140717 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;  $\sigma = 4.506$  S/m;  $\epsilon_r = 37.403$ ;  $\rho = 1000$  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 Sn1239; Calibrated: 4/15/2014
- Probe: EX3DV4 - SN3885; ConvF(4.92, 4.92, 4.92); Calibrated: 9/18/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1727

**Head/5.2 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 25.032 V/m; Power Drift = -0.18 dB

**Fast SAR: SAR(1 g) = 7.64 W/kg; SAR(10 g) = 2.12 W/kg**

Maximum value of SAR (interpolated) = 20.3 W/kg

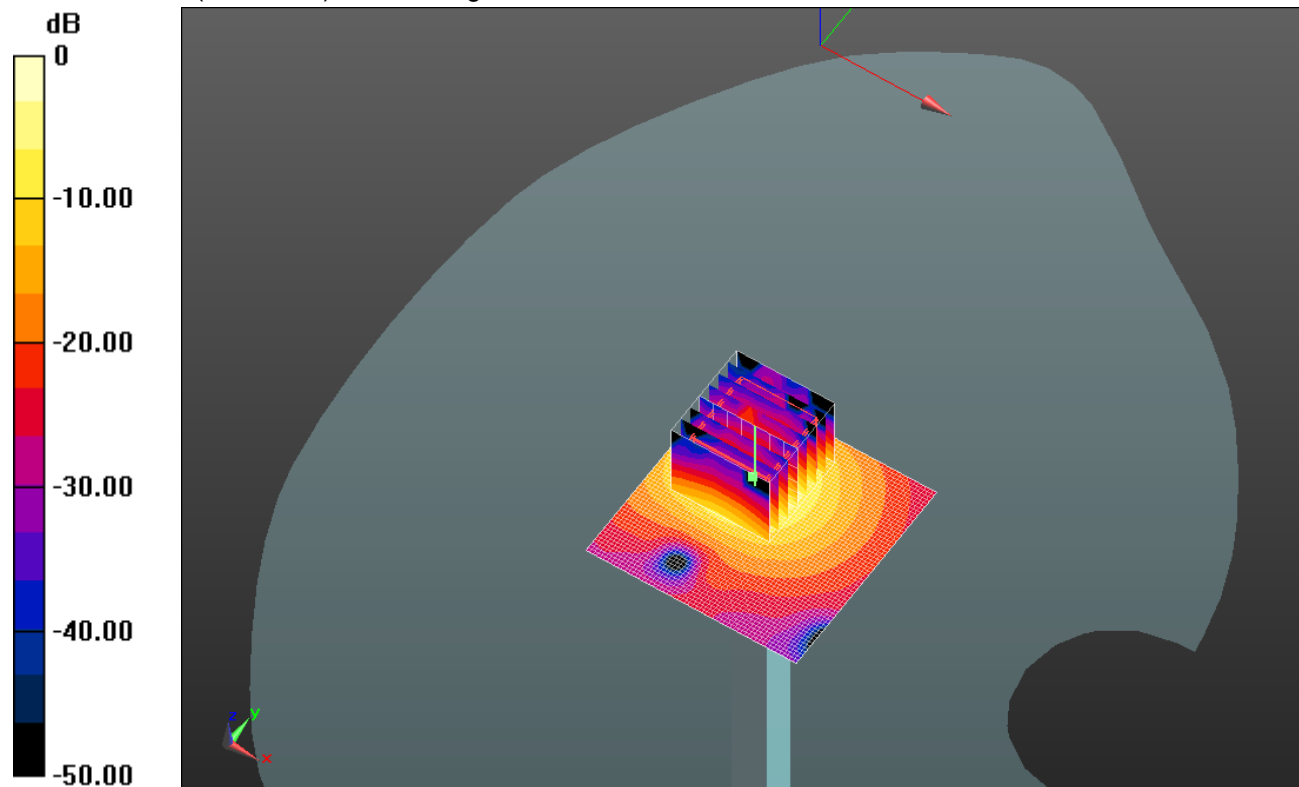
**Head/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 25.032 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 34.2 W/kg

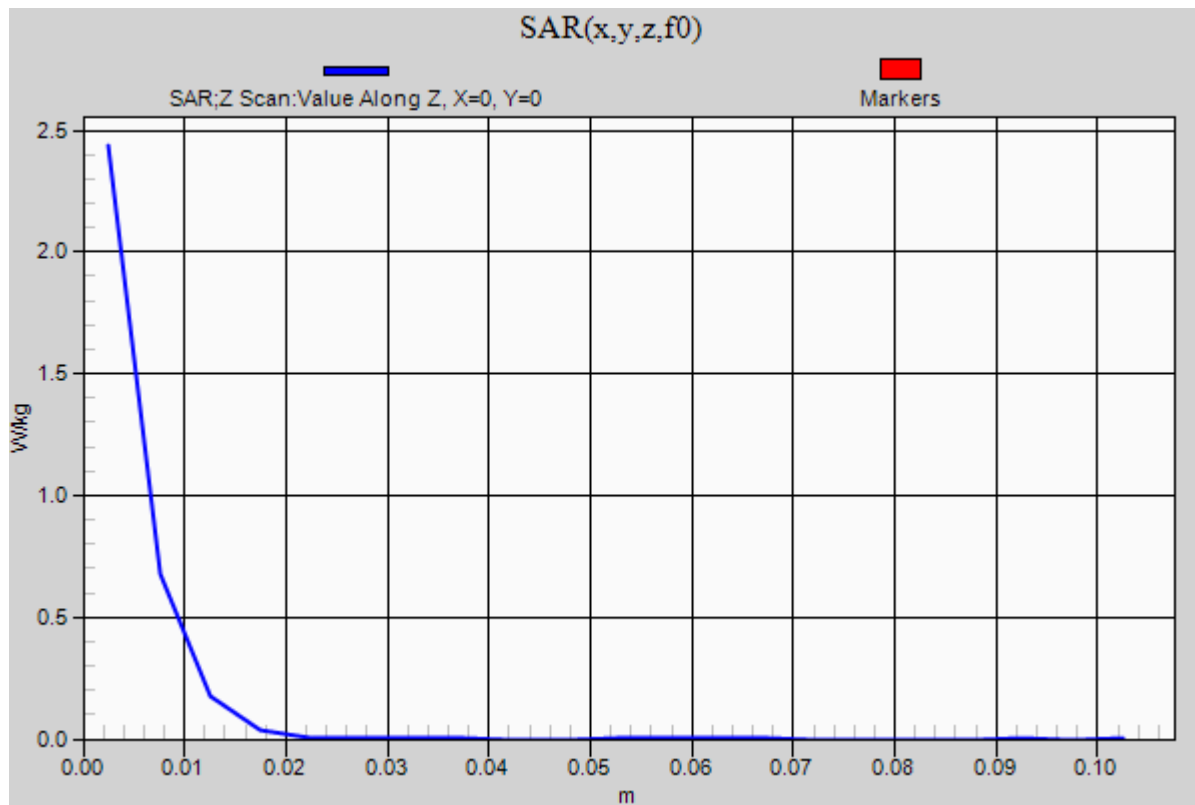
**SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.33 W/kg**

Maximum value of SAR (measured) = 19.5 W/kg



**20140717 SystemPerformanceCheck-D5GHzV2 SN 1003**

Frequency: 5200 MHz; Duty Cycle: 1:1

**Head/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 2.44 W/kg

**20140714\_SystemPerformanceCheck-D1750V2 SN 1053**

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.46$  S/m;  $\epsilon_r = 55.357$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(8.26, 8.26, 8.26); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Body/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 61.203 V/m; Power Drift = -0.00 dB

**Fast SAR: SAR(1 g) = 4.1 W/kg; SAR(10 g) = 2.13 W/kg**

Maximum value of SAR (interpolated) = 5.39 W/kg

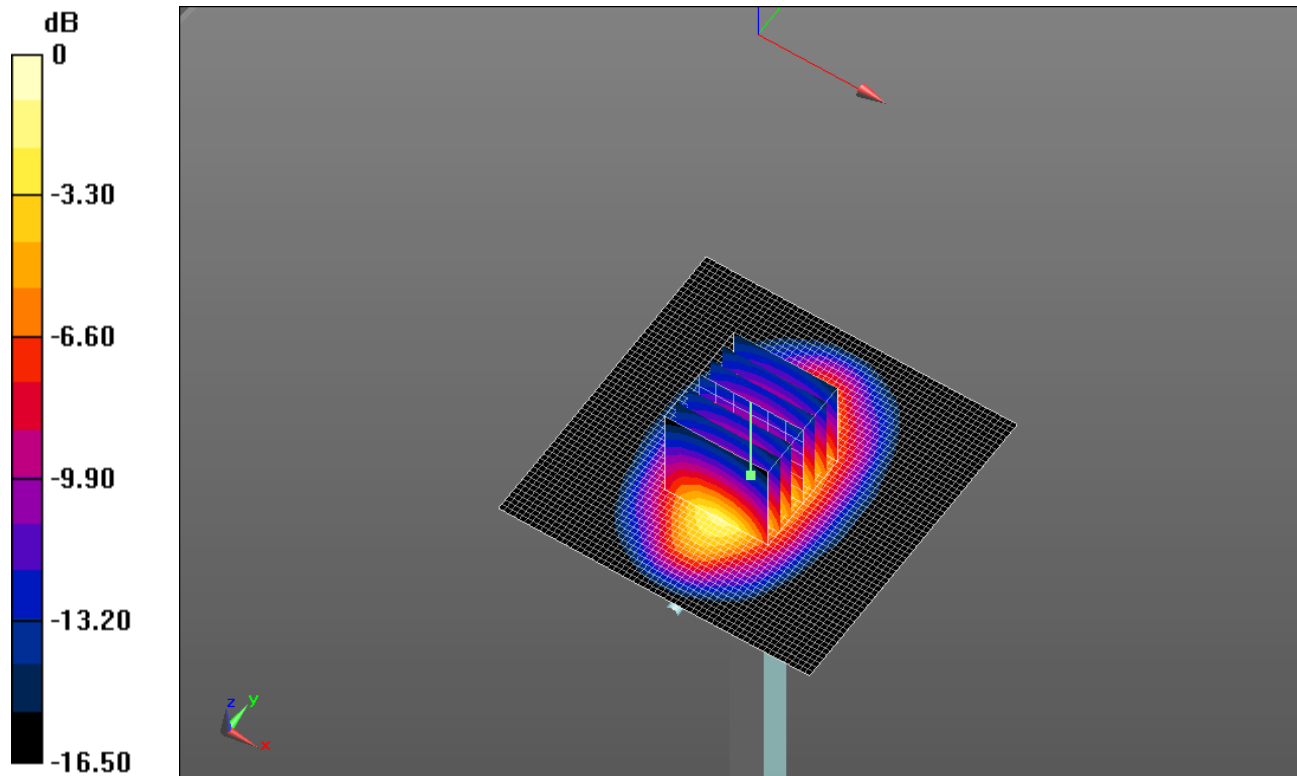
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.203 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 7.10 W/kg

**SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.12 W/kg**

Maximum value of SAR (measured) = 5.32 W/kg



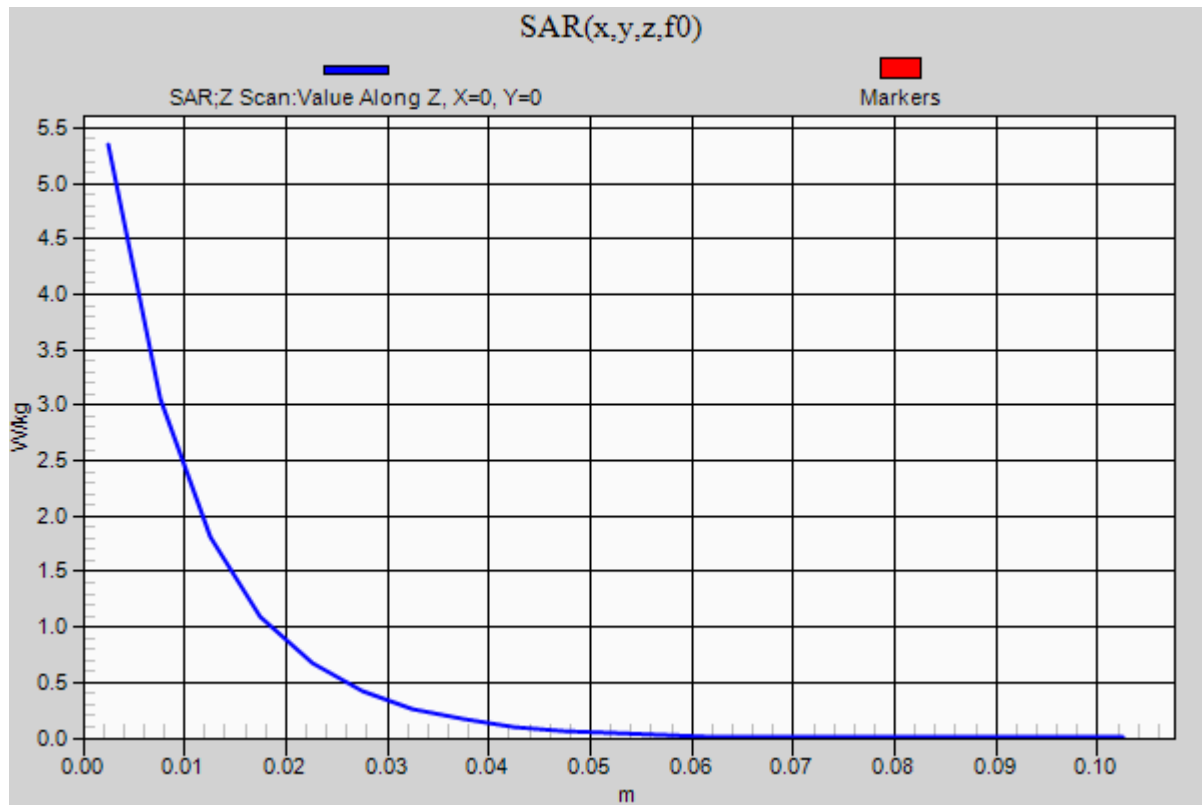
0 dB = 5.32 W/kg = 7.26 dBW/kg

**20140714\_SystemPerformanceCheck-D1750V2 SN 1053**

Frequency: 1750 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) = 5.35 W/kg



**20140721\_SystemPerformanceCheck-D1900V2 SN 5d163**

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.582$  S/m;  $\epsilon_r = 51.239$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(7.88, 7.88, 7.88); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Body/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 60.439 V/m; Power Drift = -0.11 dB

**Fast SAR: SAR(1 g) = 4.28 W/kg; SAR(10 g) = 2.14 W/kg**

Maximum value of SAR (interpolated) = 5.75 W/kg

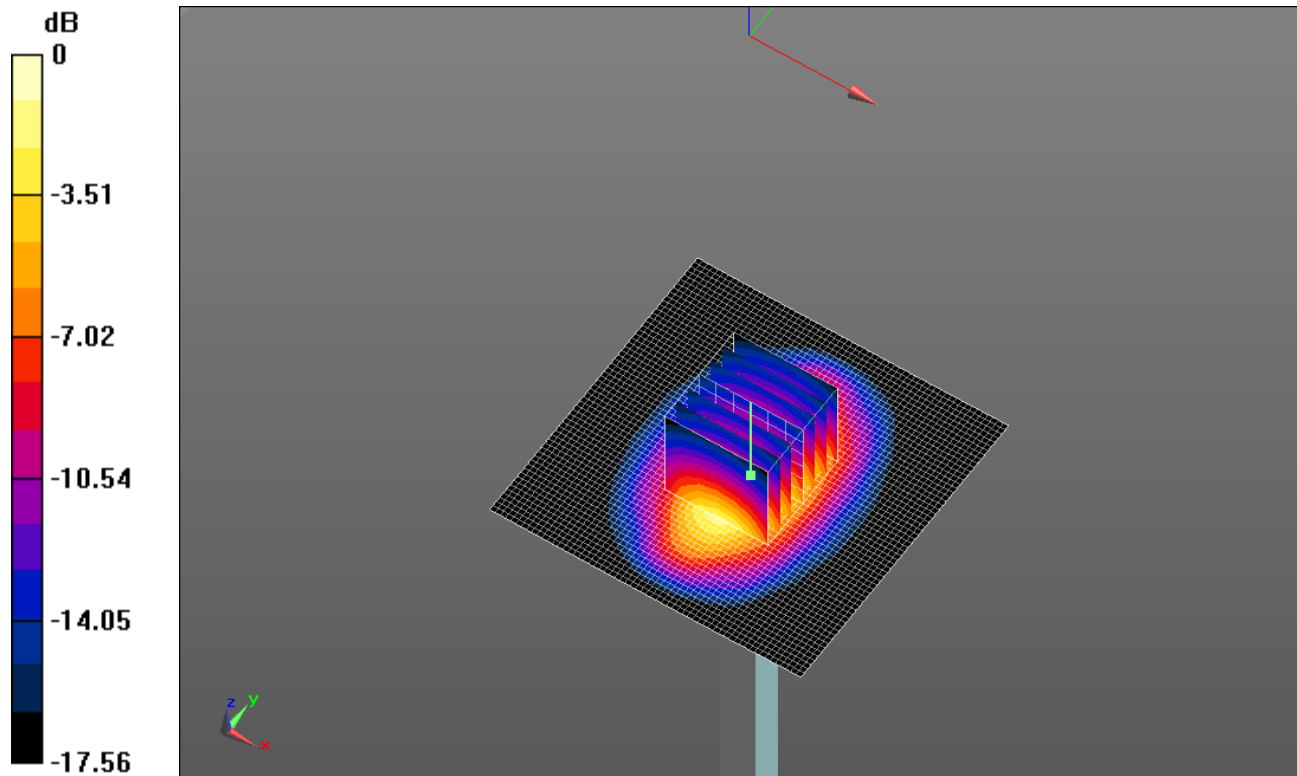
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.439 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 7.83 W/kg

**SAR(1 g) = 4.25 W/kg; SAR(10 g) = 2.18 W/kg**

Maximum value of SAR (measured) = 5.75 W/kg



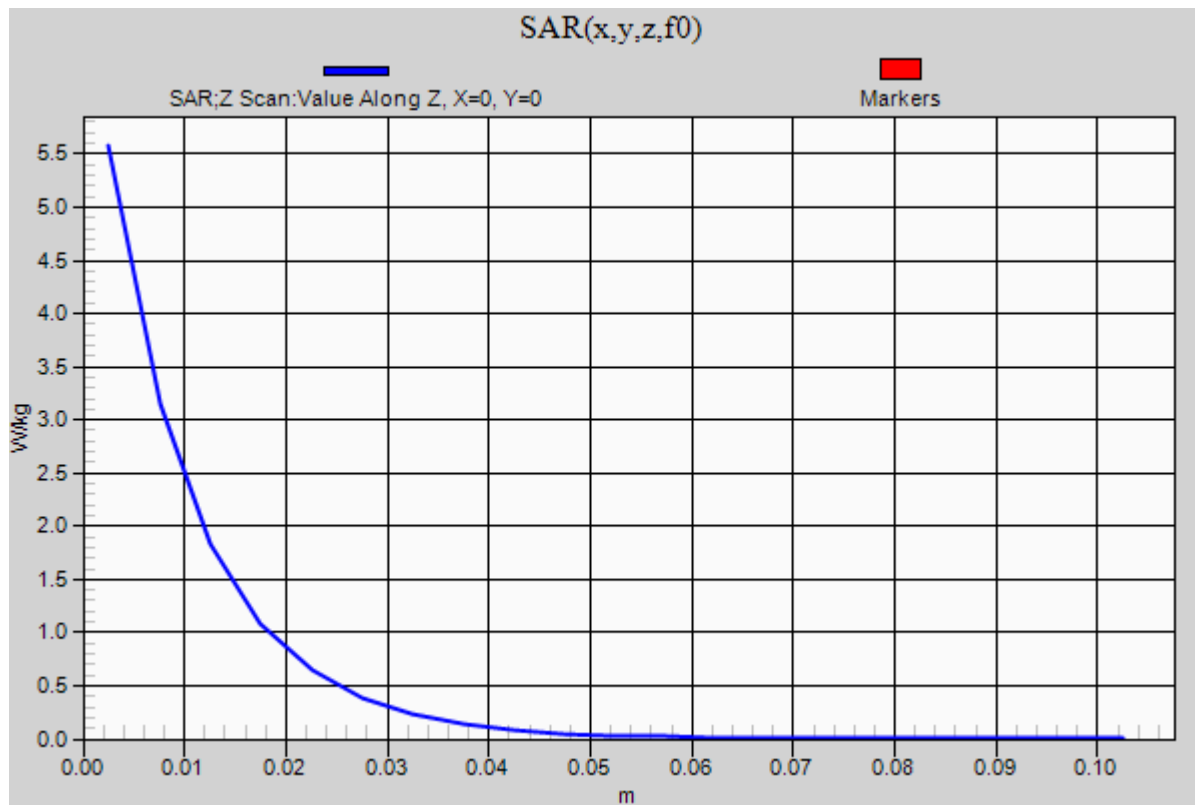
0 dB = 5.75 W/kg = 7.60 dBW/kg

**20140721\_SystemPerformanceCheck-D1900V2 SN 5d163**

Frequency: 1900 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) = 5.58 W/kg



**20140714\_SystemPerformanceCheck-D1900V2 SN 5d140**

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.555$  S/m;  $\epsilon_r = 51.539$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.09, 7.09, 7.09); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: SM 000 T01 DA; Serial: TP:1247

**Body/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 60.011 V/m; Power Drift = -0.02 dB

**Fast SAR: SAR(1 g) = 4.25 W/kg; SAR(10 g) = 2.12 W/kg**

Maximum value of SAR (interpolated) = 5.75 W/kg

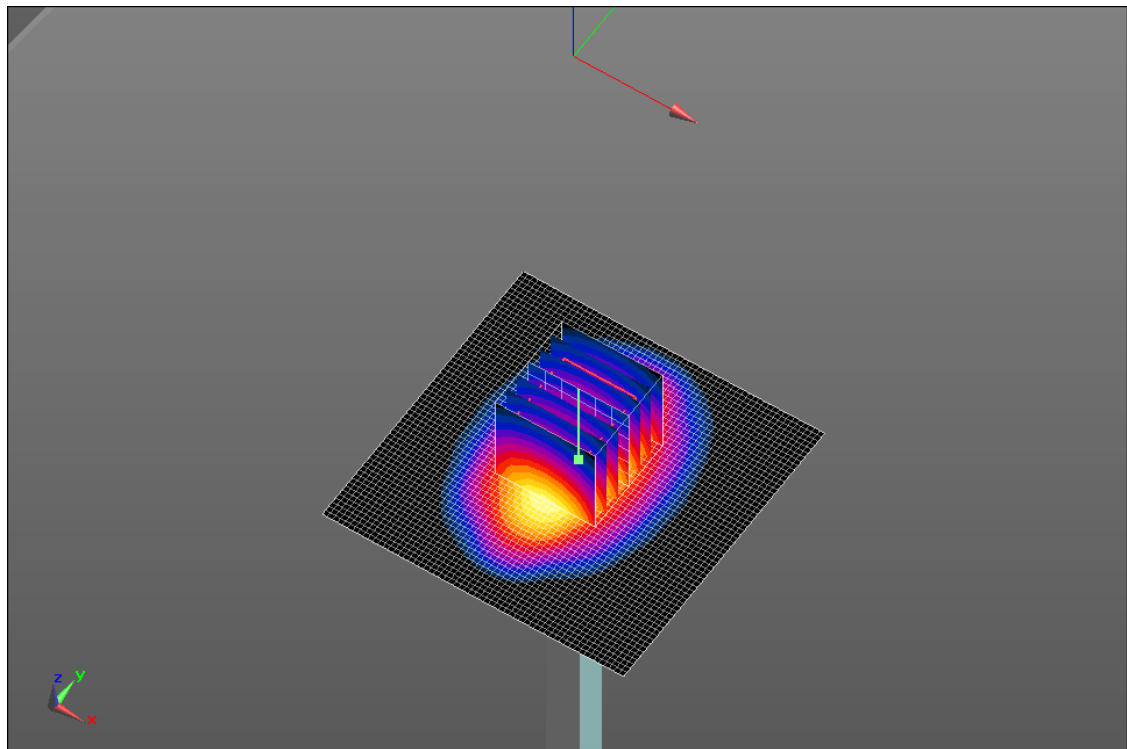
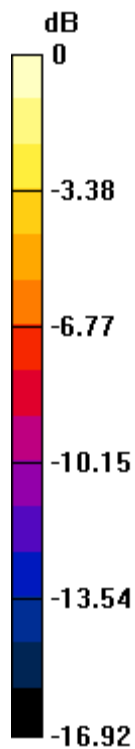
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.011 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.56 W/kg

**SAR(1 g) = 4.2 W/kg; SAR(10 g) = 2.2 W/kg**

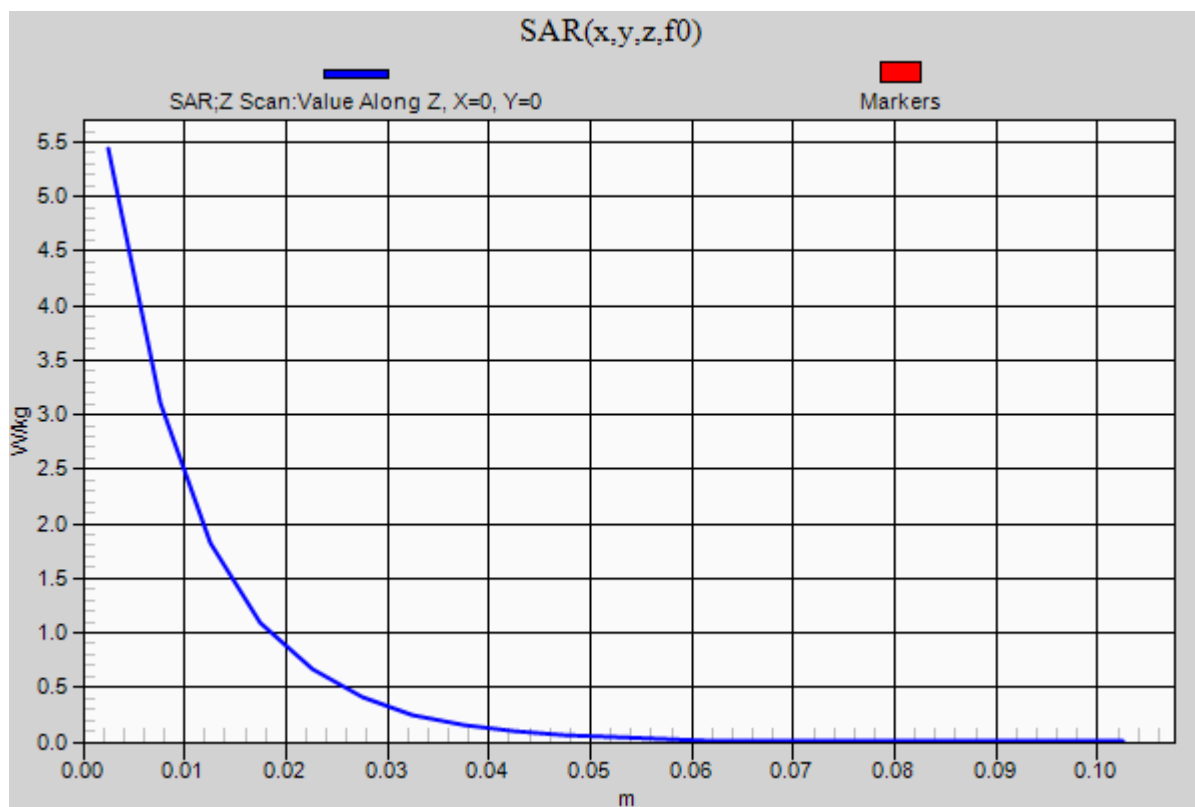
Maximum value of SAR (measured) = 5.67 W/kg



0 dB = 5.67 W/kg = 7.54 dBW/kg

**20140714\_SystemPerformanceCheck-D1900V2 SN 5d140**

Frequency: 1900 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) = 5.44 W/kg

## GSM 850\_UAT

Frequency: 836.6 MHz; Duty Cycle: 1:8; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 40.219$ ;  $\rho = 1000$  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 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**RHS/Touch\_GSM Voice\_ch 190/Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.555 W/kg

**RHS/Touch\_GSM Voice\_ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

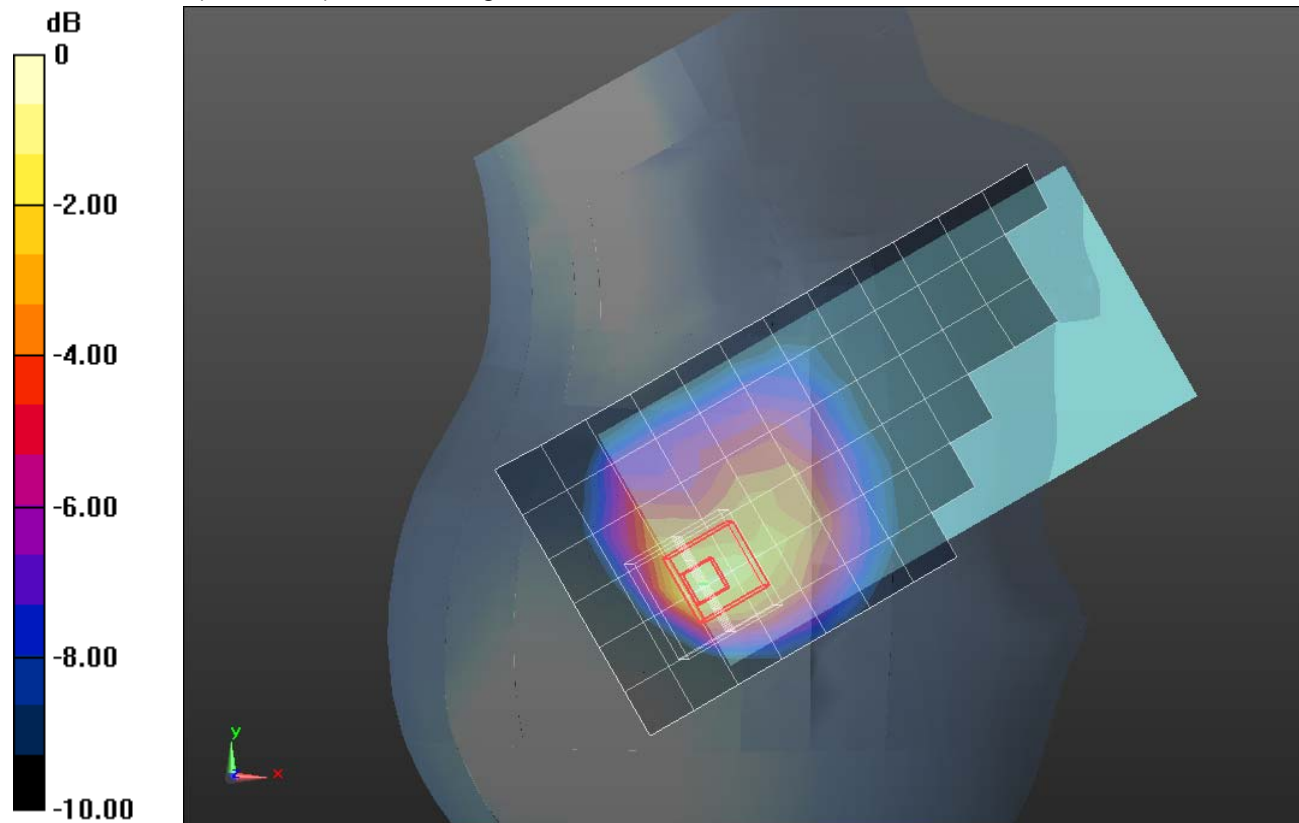
Reference Value = 25.495 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.946 W/kg

**SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.315 W/kg**

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

Maximum value of SAR (measured) = 0.730 W/kg



0 dB = 0.730 W/kg = -1.37 dBW/kg

## GSM 850\_UAT

Frequency: 836.6 MHz; Duty Cycle: 1:4; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 40.219$ ;  $\rho = 1000$  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 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**RHS/Touch\_GPRS 2 slot\_ch 190/Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.778 W/kg

**RHS/Touch\_GPRS 2 slot\_ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

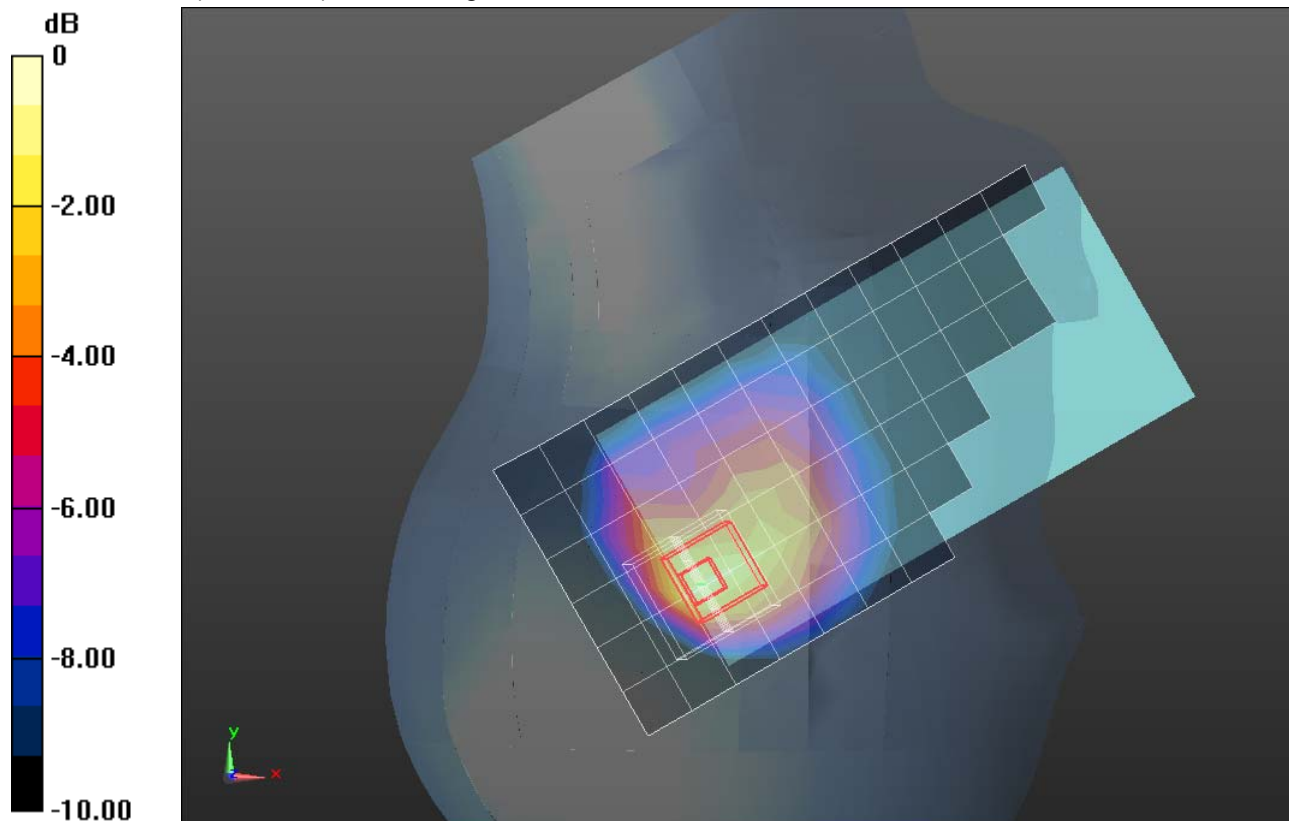
Reference Value = 30.098 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.439 W/kg**

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

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

## GSM 850\_LAT

Frequency: 836.6 MHz; Duty Cycle: 1:8; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 54.507$ ;  $\rho = 1000$  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 - SN3751; ConvF(8.54, 8.54, 8.54); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Front/Voice ch 190/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.670 W/kg

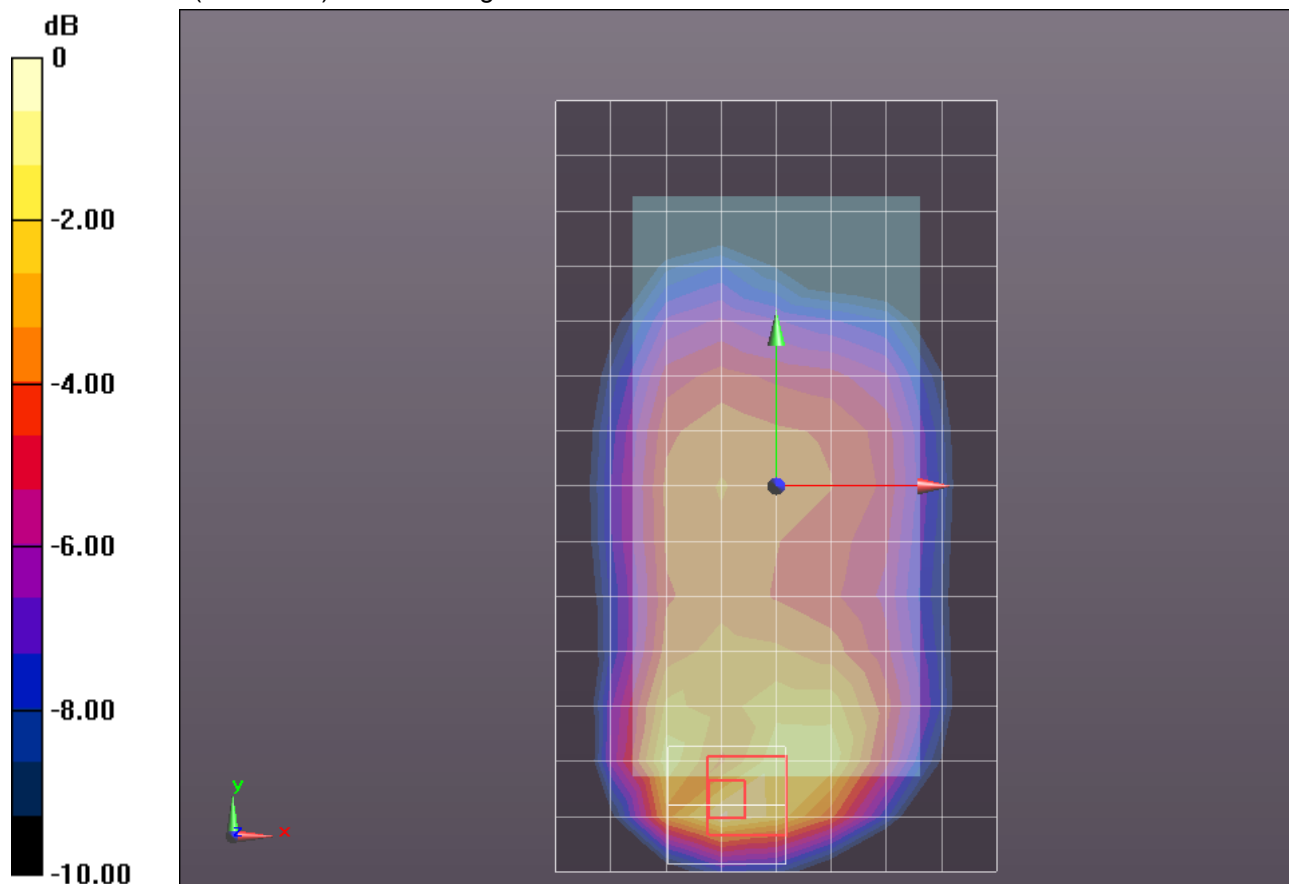
**Front/Voice ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.732 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.323 W/kg**

Maximum value of SAR (measured) = 0.762 W/kg



0 dB = 0.762 W/kg = -1.18 dBW/kg

## GSM 850\_LAT

Frequency: 848.8 MHz; Duty Cycle: 1:4; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 54.507$ ;  $\rho = 1000$  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 - SN3751; ConvF(8.54, 8.54, 8.54); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Front/GPRS 2 slots ch 251/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.930 W/kg

**Front/GPRS 2 slots ch 251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

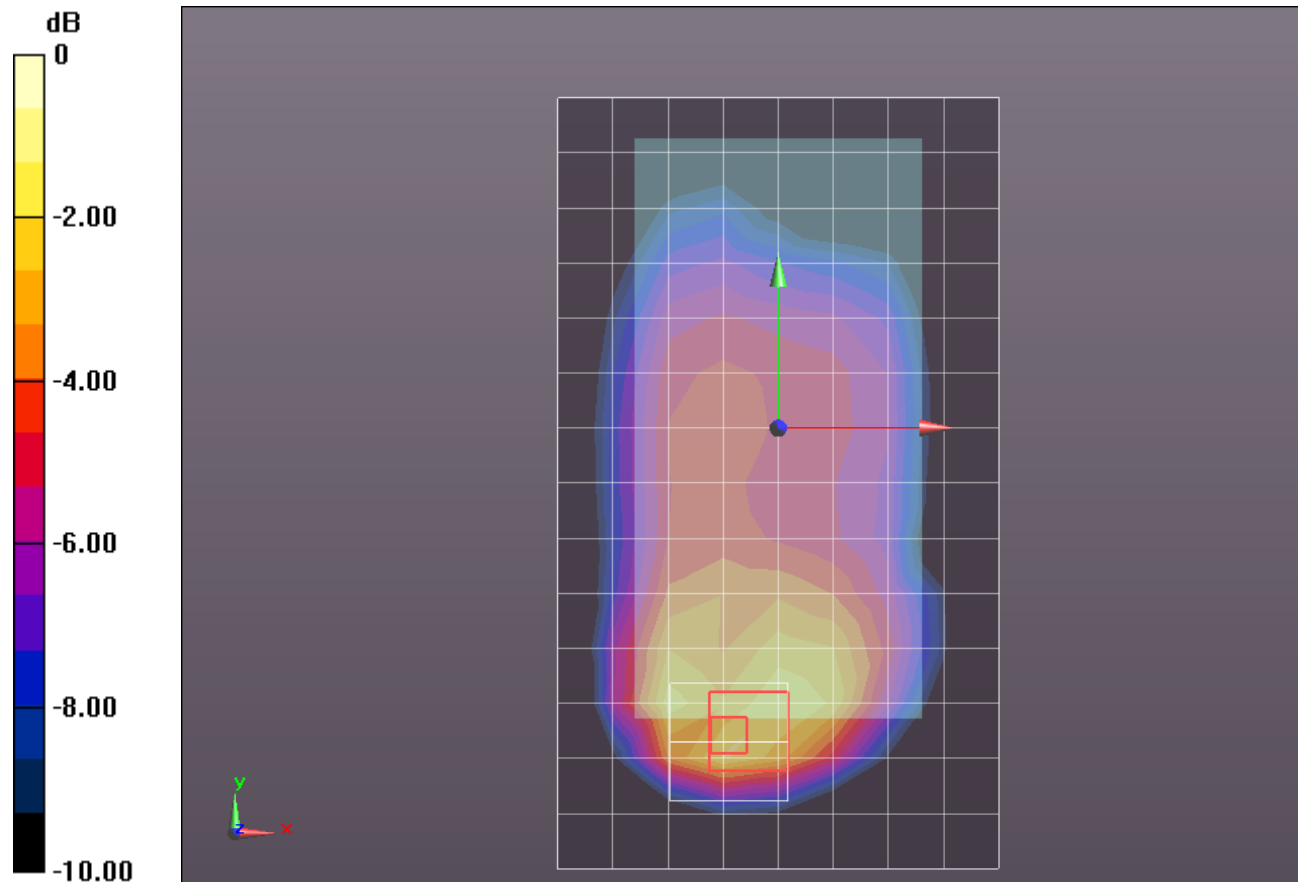
Reference Value = 30.679 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.71 W/kg

**SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.516 W/kg**

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

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

## GSM 1900\_UAT

Frequency: 1909.8 MHz; Duty Cycle: 1:8; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.419$  S/m;  $\epsilon_r = 38.918$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.52, 7.52, 7.52); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1830

**RHS/Touch\_Voice ch 810/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.34 W/kg

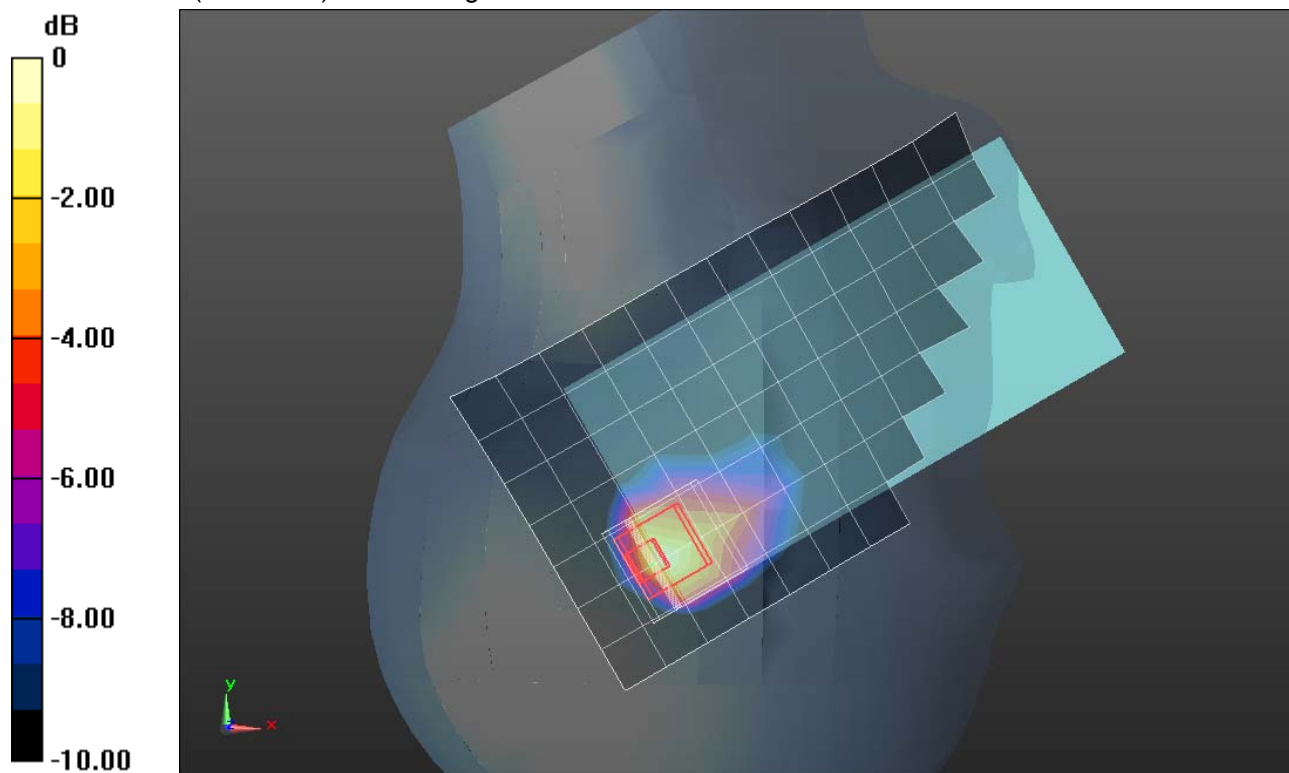
**RHS/Touch\_Voice ch 810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.316 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.05 W/kg

**SAR(1 g) = 0.906 W/kg; SAR(10 g) = 0.434 W/kg**

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

## GSM 1900\_UAT

Frequency: 1880 MHz; Duty Cycle: 1:4; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.388$  S/m;  $\epsilon_r = 39.033$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.52, 7.52, 7.52); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1830

**RHS/Touch\_GPRS 2 Slot ch 661/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.11 W/kg

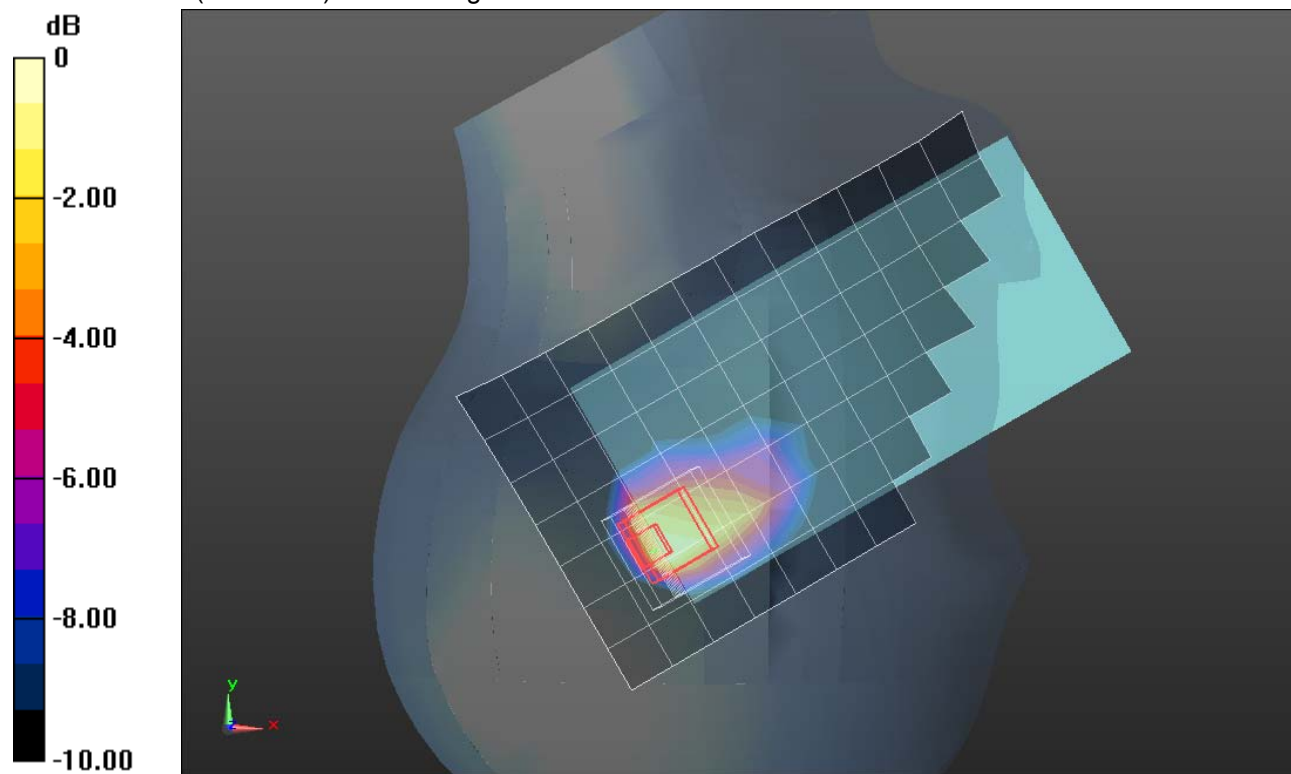
**RHS/Touch\_GPRS 2 Slot ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.230 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.97 W/kg

**SAR(1 g) = 0.894 W/kg; SAR(10 g) = 0.451 W/kg**

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



0 dB = 1.30 W/kg = 1.14 dBW/kg

## GSM 1900\_LAT

Frequency: 1880 MHz; Duty Cycle: 1:8; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.563$  S/m;  $\epsilon_r = 51.286$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(7.88, 7.88, 7.88); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Rear/Voice ch 661/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.567 W/kg

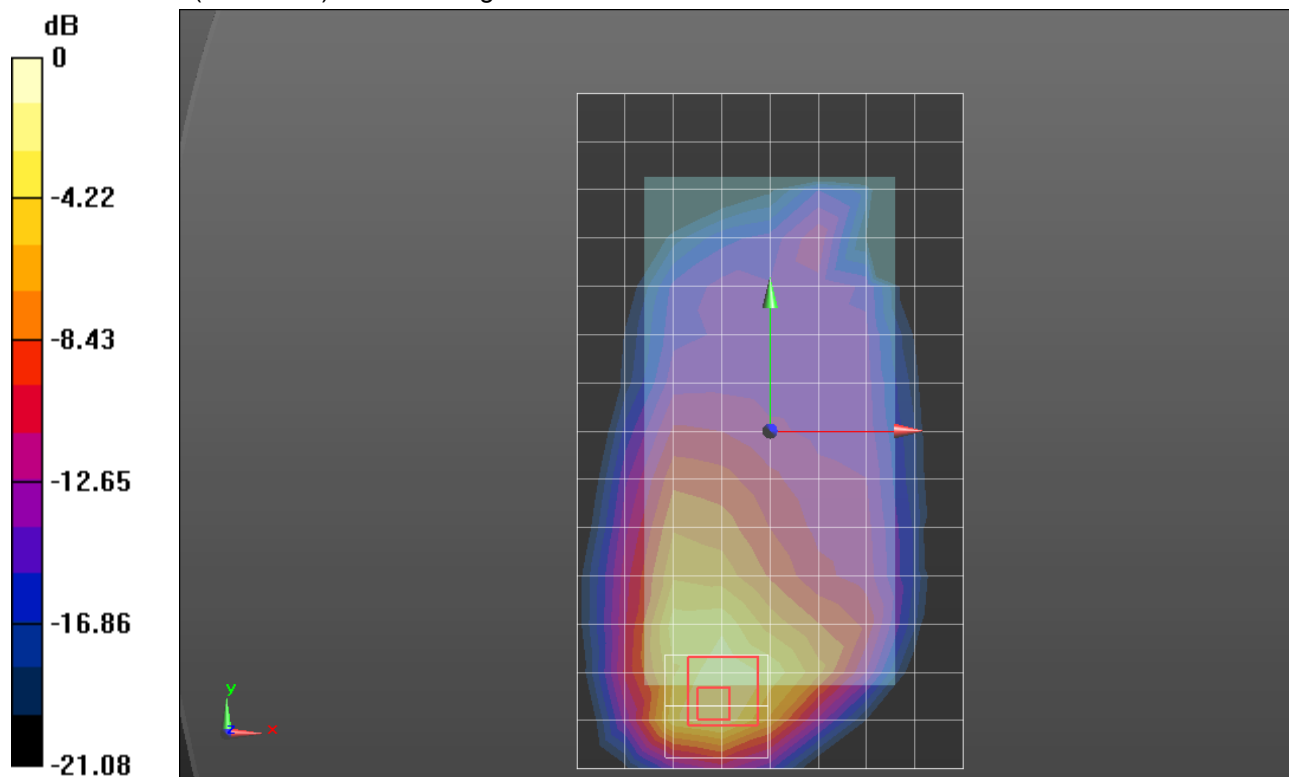
**Rear/Voice ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.088 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.282 W/kg**

Maximum value of SAR (measured) = 0.785 W/kg



0 dB = 0.785 W/kg = -1.05 dBW/kg

## GSM 1900\_LAT

Frequency: 1909.8 MHz; Duty Cycle: 1:4; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.591$  S/m;  $\epsilon_r = 51.215$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(7.88, 7.88, 7.88); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Rear/GPRS 2 Slot ch 810/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.19 W/kg

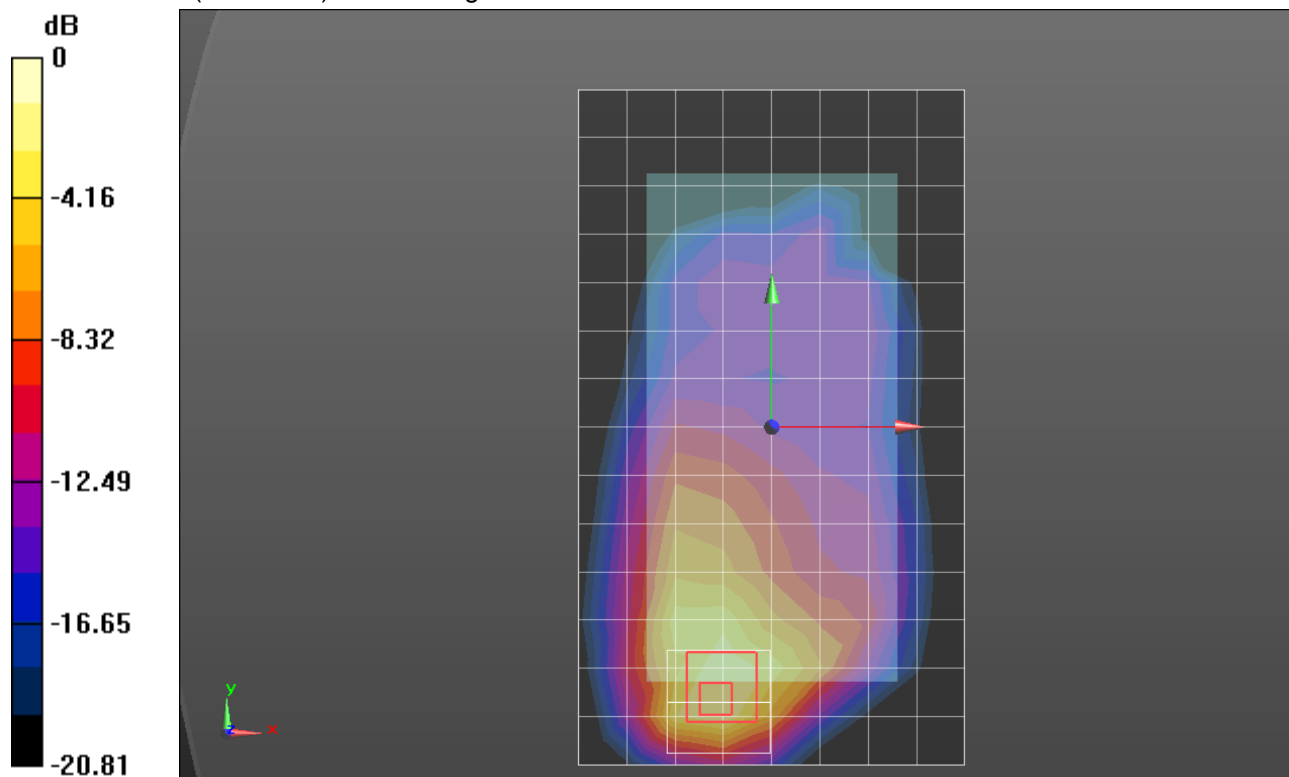
**Rear/GPRS 2 Slot ch 810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.288 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.27 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.586 W/kg**

Maximum value of SAR (measured) = 1.64 W/kg



0 dB = 1.64 W/kg = 2.15 dBW/kg

## W-CDMA Band V (UAT)

Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.891$  S/m;  $\epsilon_r = 40.194$ ;  $\rho = 1000$  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 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**RHS/Touch\_RMC Rel. 99\_Ch 4183/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.621 W/kg

**RHS/Touch\_RMC Rel. 99\_Ch 4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

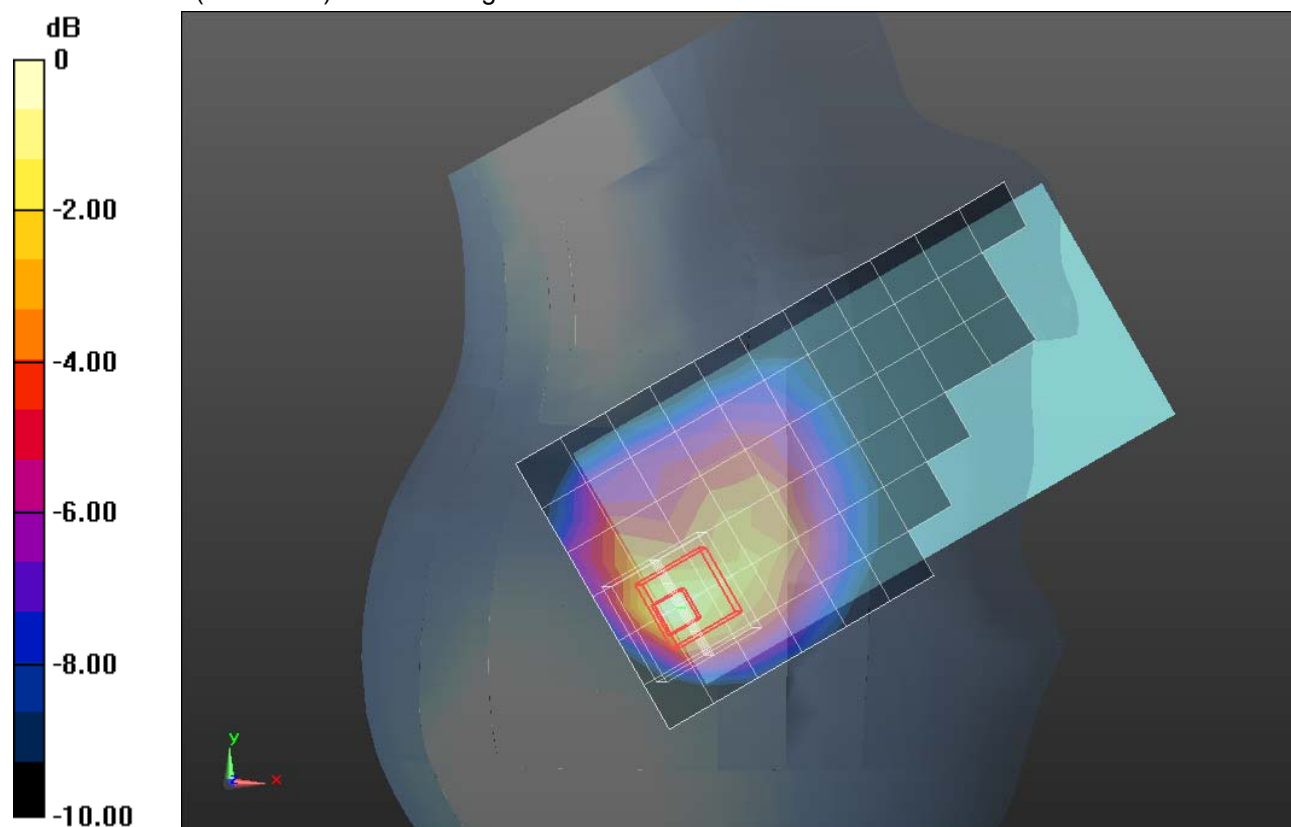
Reference Value = 27.458 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.932 W/kg

**SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.304 W/kg**

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

Maximum value of SAR (measured) = 0.689 W/kg



## W-CDMA Band V (LAT)

Frequency: 846.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 53.815$ ;  $\rho = 1000$  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 - SN3989; ConvF(9.96, 9.96, 9.96); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Front/RMC\_Rel. 99\_Ch 4233/Area Scan (9x7x1):** Measurement grid: dx=15mm, dy=15mm

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

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

**Front/RMC\_Rel. 99\_Ch 4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

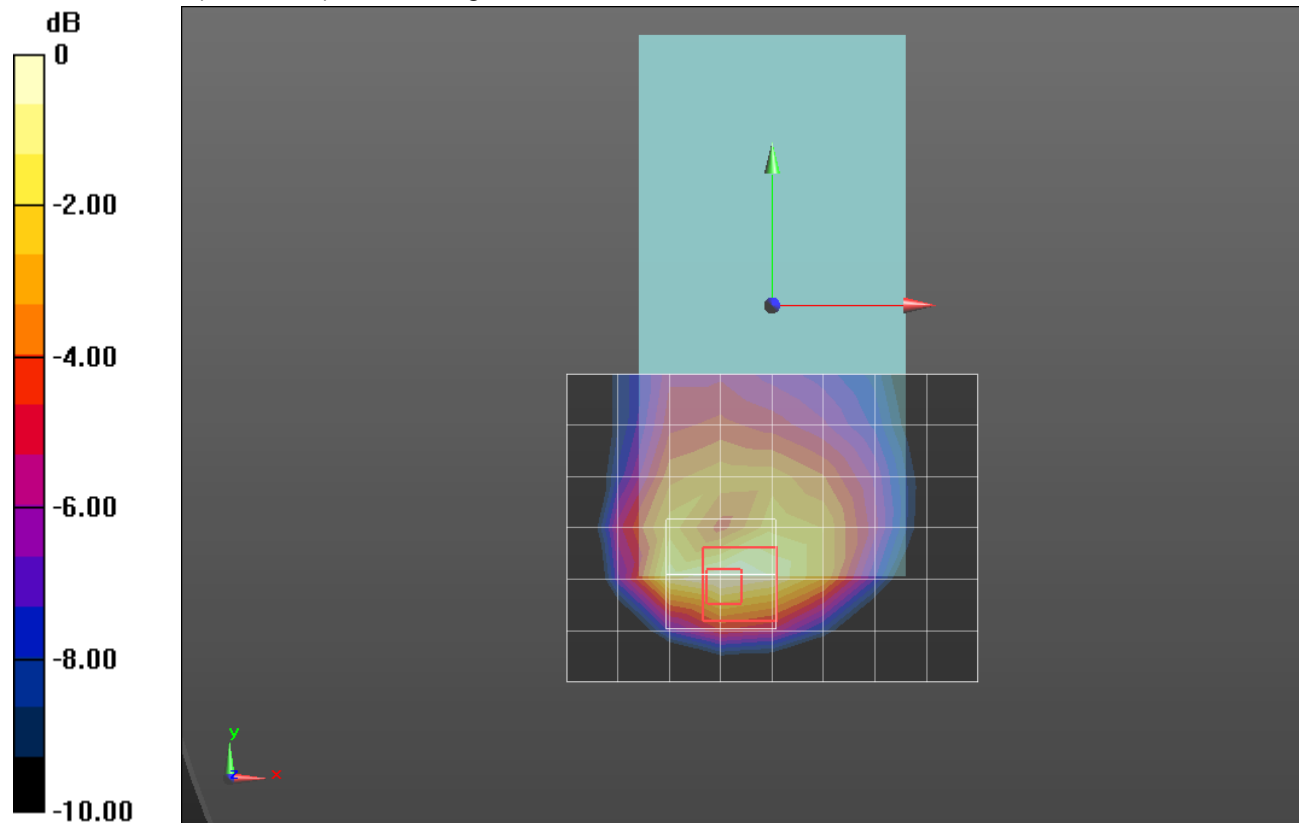
Reference Value = 39.338 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.587 W/kg**

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

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

## WCDMA Band IV\_LAT

Frequency: 1752.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.324$  S/m;  $\epsilon_r = 40.722$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(8.58, 8.58, 8.58); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM A; Type: SAM; Serial: 1831

**RHS/Touch\_Rel. 99\_RMC\_ch 1513/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

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

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

**RHS/Touch\_Rel. 99\_RMC\_ch 1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

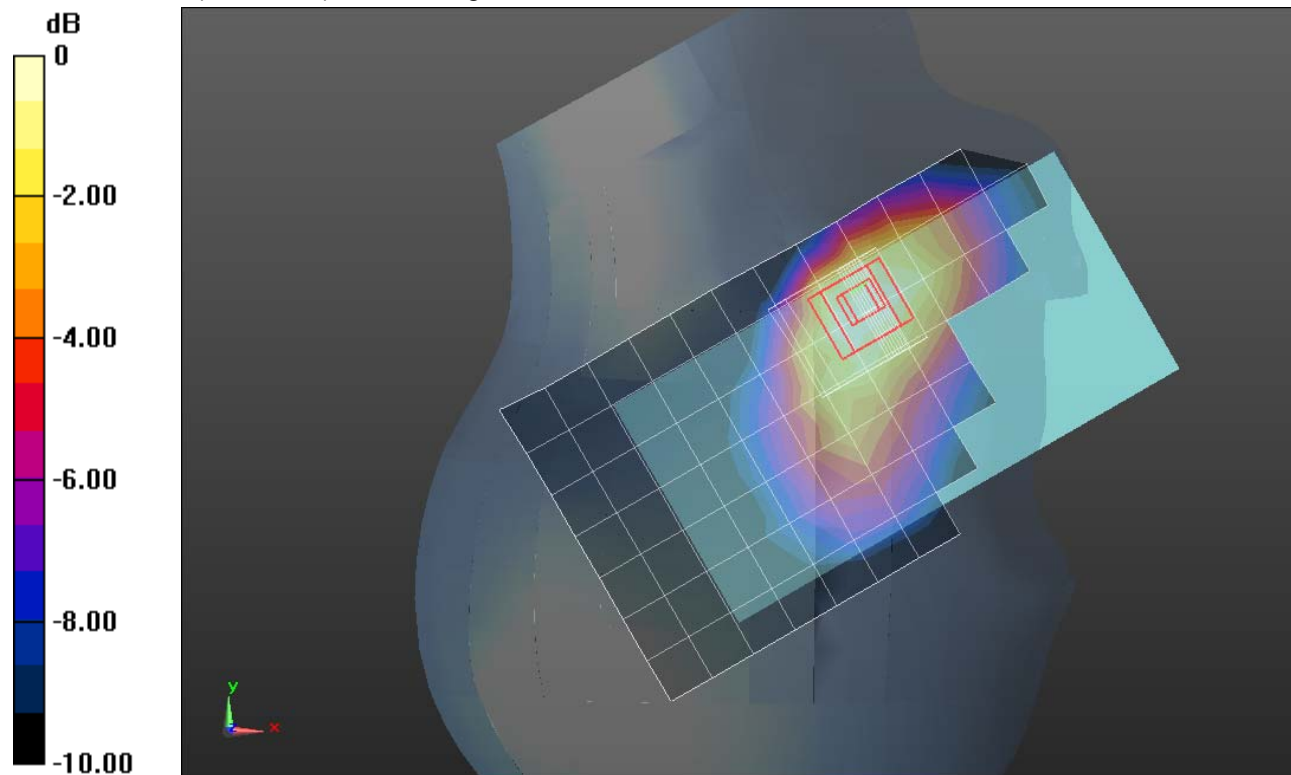
Reference Value = 30.751 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.723 W/kg**

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

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

## WCDMA Band IV\_LAT

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.442$  S/m;  $\epsilon_r = 55.347$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(8.26, 8.26, 8.26); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Front/Rel. 99\_RMC\_ch 1413/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.47 W/kg

**Front/Rel. 99\_RMC\_ch 1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

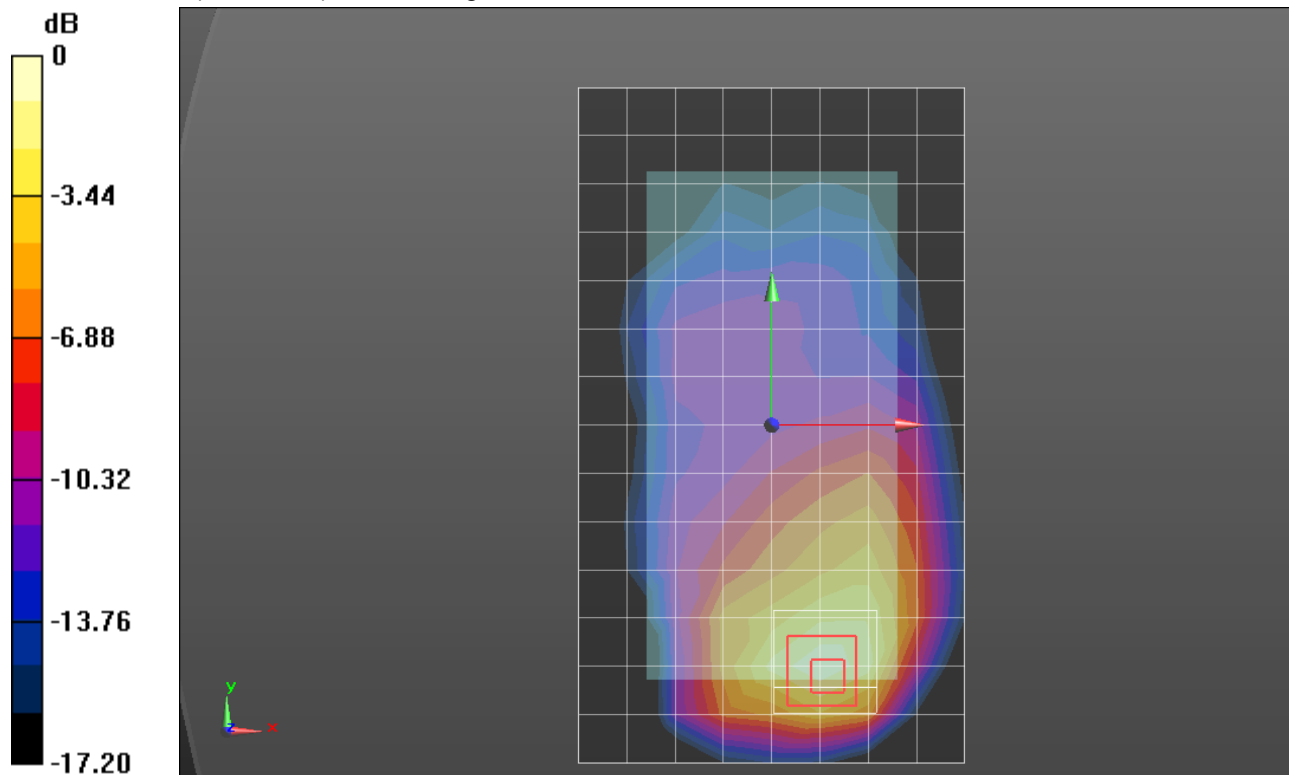
Reference Value = 32.300 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.22 W/kg

**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.617 W/kg**

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

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



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

## W-CDMA Band II\_LAT

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.427$  S/m;  $\epsilon_r = 39.864$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.52, 7.52, 7.52); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1830

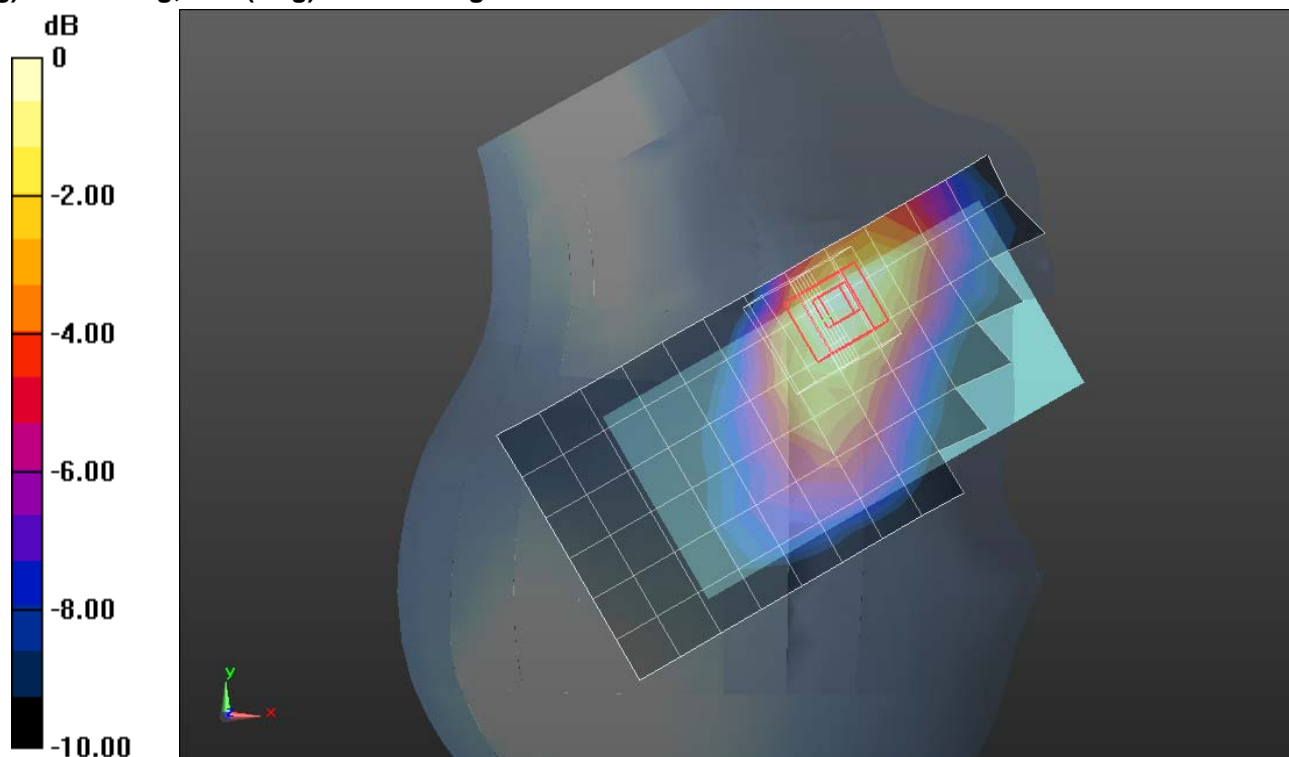
**RHS/Touch\_Rel. 99\_RMC\_ch 9400/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 1.42 W/kg

**RHS/Touch\_Rel. 99\_RMC\_ch 9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.724 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.751 W/kg**



0 dB = 1.42 W/kg = 1.52 dBW/kg

## W-CDMA Band II\_LAT

Frequency: 1907.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.564$  S/m;  $\epsilon_r = 51.514$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.09, 7.09, 7.09); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: SM 000 T01 DA; Serial: TP:1247

**Rear/RMC\_Rel. 99\_Ch 9538/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.44 W/kg

**Rear/RMC\_Rel. 99\_Ch 9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

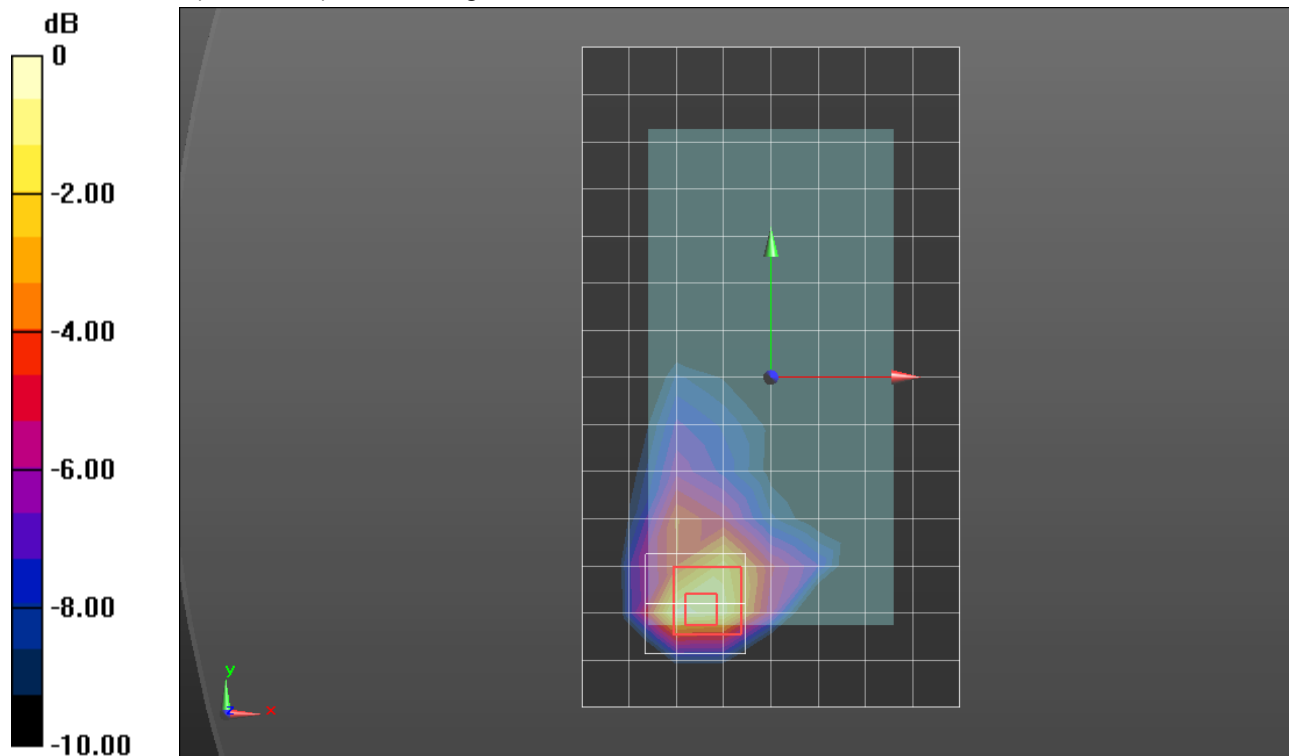
Reference Value = 30.744 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.23 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.584 W/kg**

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

Maximum value of SAR (measured) = 1.59 W/kg



0 dB = 1.59 W/kg = 2.01 dBW/kg

## CDMA BC0\_UAT

Frequency: 836.52 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.886$  S/m;  $\epsilon_r = 40.306$ ;  $\rho = 1000$  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 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**RHS/Touch\_1xRTT\_RC3 SO55\_ch 384/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.714 W/kg

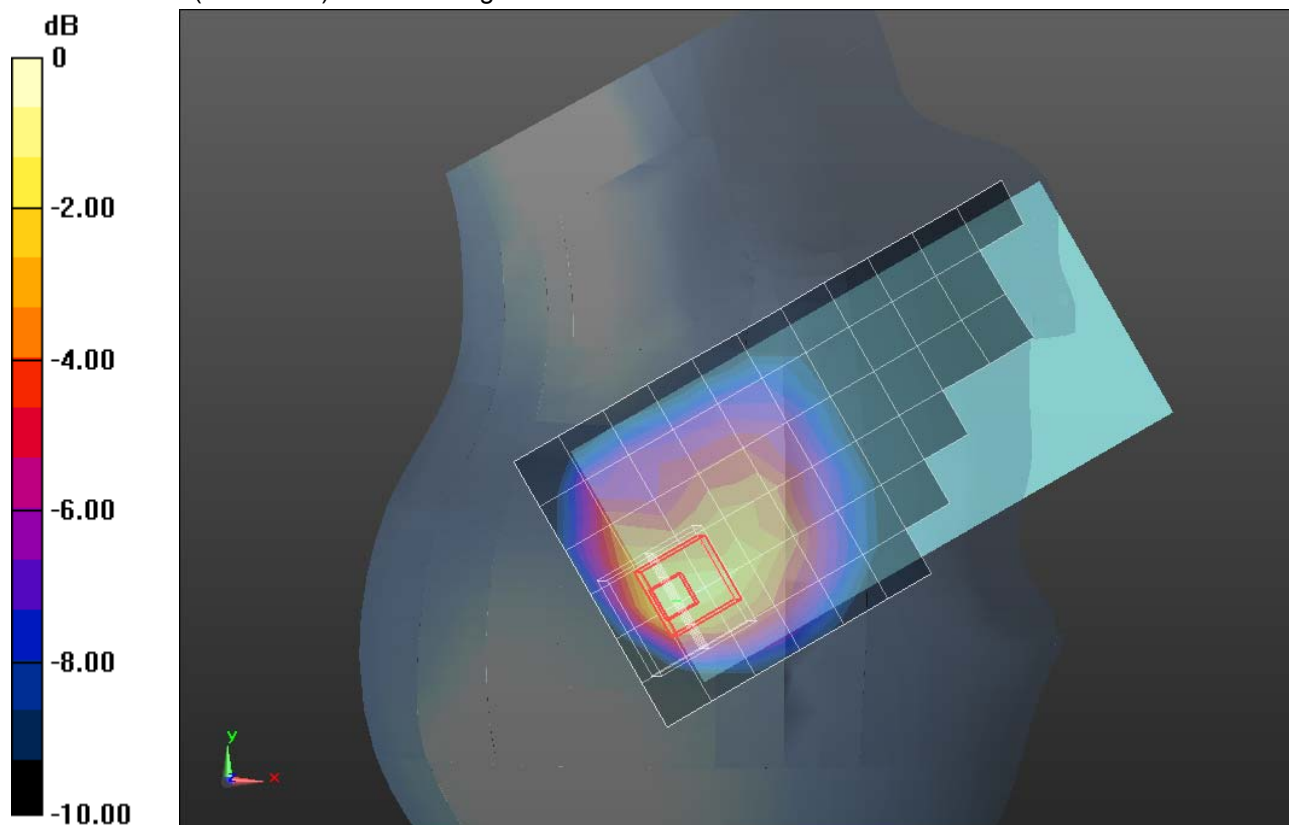
**RHS/Touch\_1xRTT\_RC3 SO55\_ch 384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.251 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.405 W/kg**

Maximum value of SAR (measured) = 0.947 W/kg



0 dB = 0.947 W/kg = -0.24 dBW/kg

**CDMA BC0\_LAT**

Frequency: 836.52 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 53.065$ ;  $\rho = 1000$  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 - SN3989; ConvF(9.96, 9.96, 9.96); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Front/1xRTT\_RC3 SO32\_ch 384/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.923 W/kg

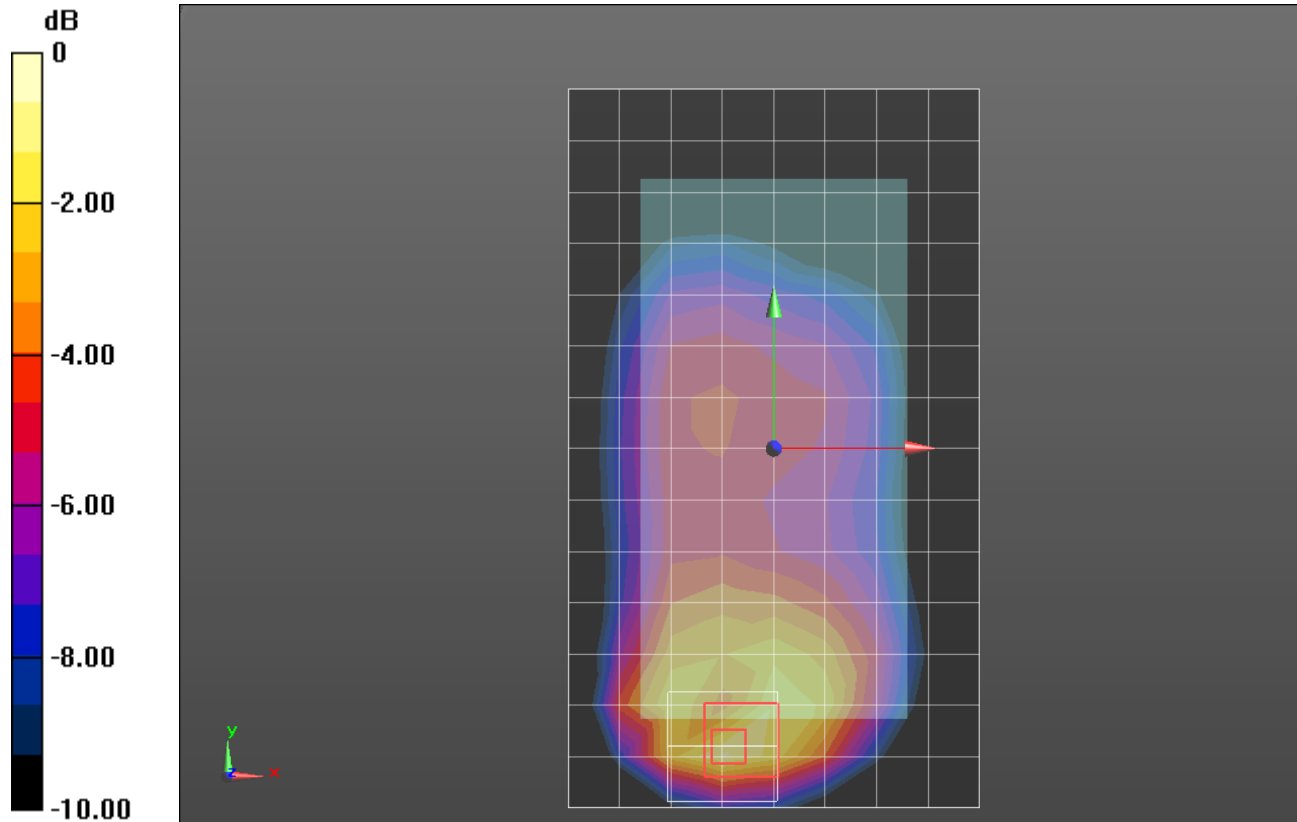
**Front/1xRTT\_RC3 SO32\_ch 384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.486 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.433 W/kg**

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



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

## CDMA BC1\_UAT

Frequency: 1851.25 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.391$  S/m;  $\epsilon_r = 39.977$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.52, 7.52, 7.52); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1830

**RHS/Touch\_1xEVD0 Rel. 0\_ch 25/Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.17 W/kg

**RHS/Touch\_1xEVD0 Rel. 0\_ch 25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

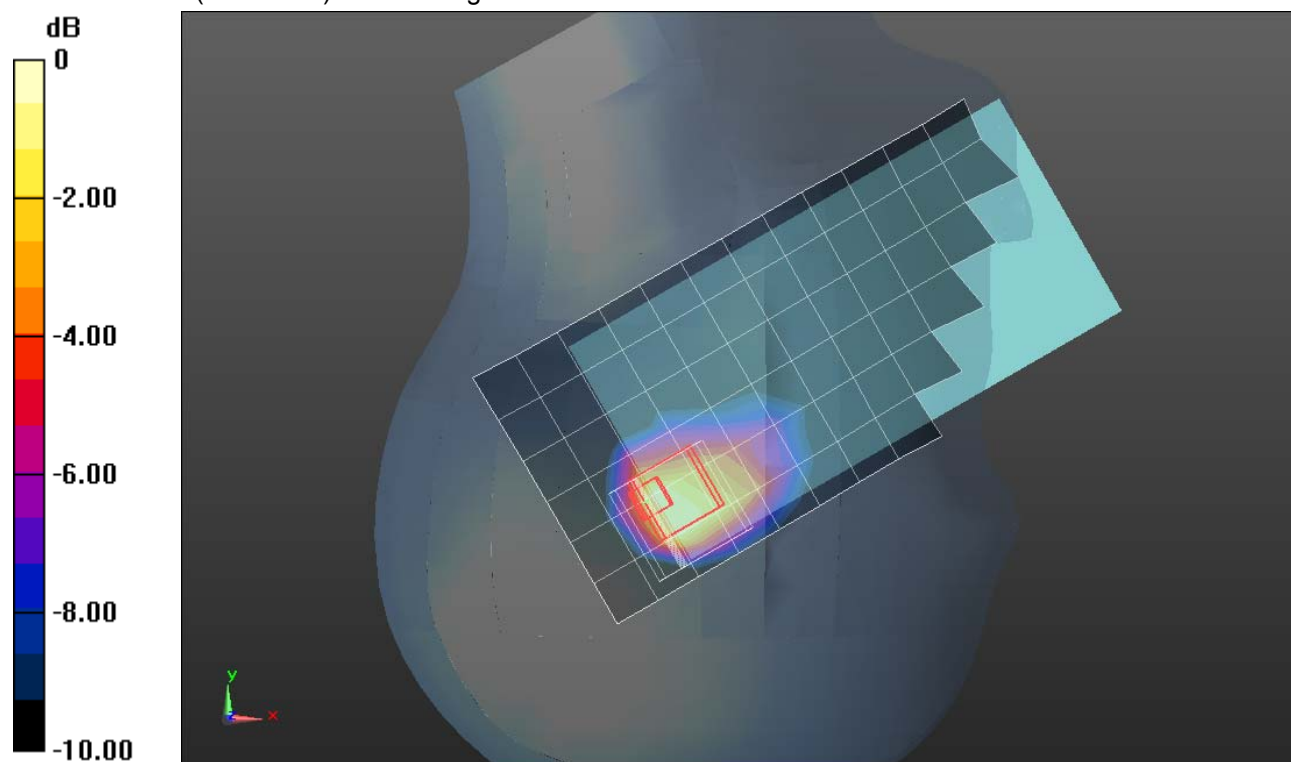
Reference Value = 27.922 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.04 W/kg

**SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.471 W/kg**

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

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

## CDMA BC1\_LAT

Frequency: 1908.75 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.565$  S/m;  $\epsilon_r = 51.507$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.09, 7.09, 7.09); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: SM 000 T01 DA; Serial: TP:1247

**Front/1xRTT\_RC3 SO32\_ch 1175/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.29 W/kg

**Front/1xRTT\_RC3 SO32\_ch 1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

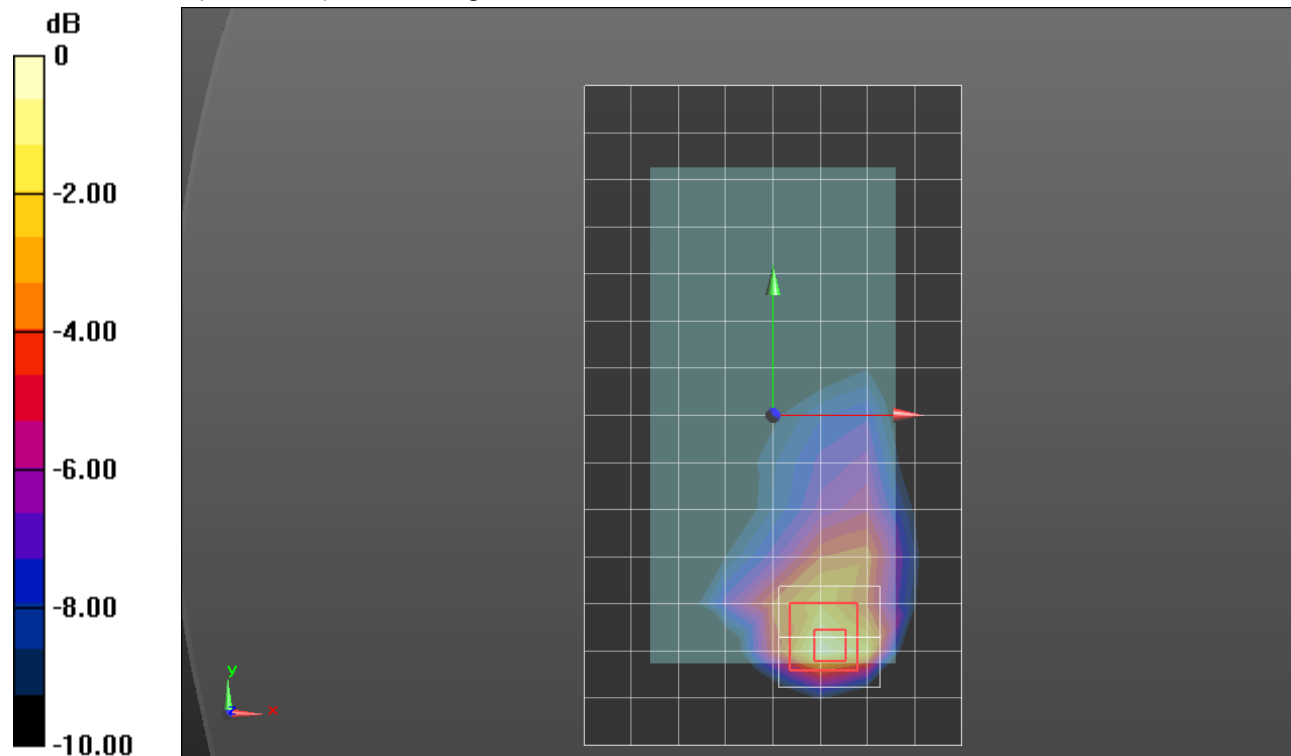
Reference Value = 29.261 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.99 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.498 W/kg**

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

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

## CDMA BC10\_UAT

Frequency: 820.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 820.5$  MHz;  $\sigma = 0.872$  S/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  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 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**RHS/Touch\_1xRTT\_RC3 SO55\_ch 580/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.563 W/kg

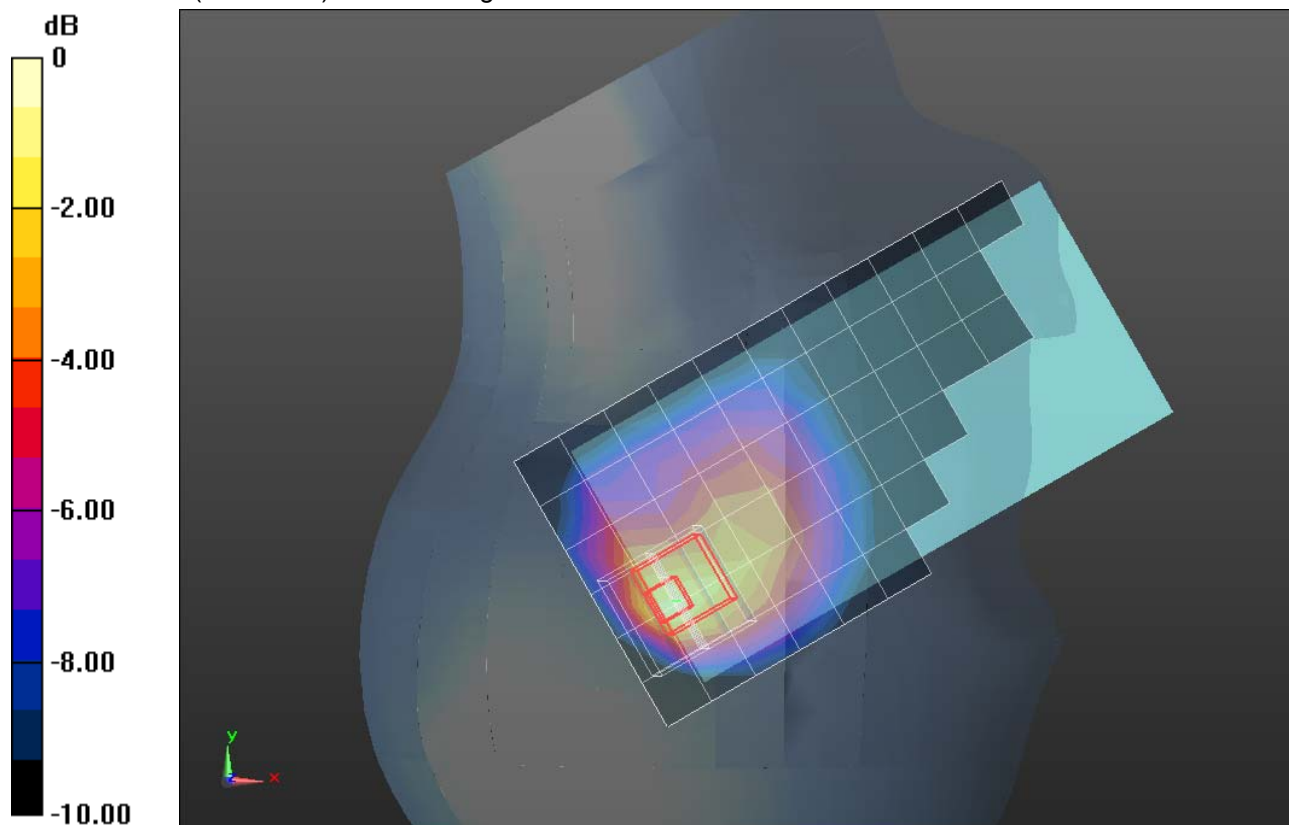
**RHS/Touch\_1xRTT\_RC3 SO55\_ch 580/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.521 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.903 W/kg

**SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.291 W/kg**

Maximum value of SAR (measured) = 0.680 W/kg



0 dB = 0.680 W/kg = -1.67 dBW/kg

## CDMA BC10\_LAT

Frequency: 820.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 820.5$  MHz;  $\sigma = 0.994$  S/m;  $\epsilon_r = 56.103$ ;  $\rho = 1000$  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 - SN3989; ConvF(9.96, 9.96, 9.96); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Front/1xRTT\_RC3 SO32\_ch 580/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.779 W/kg

**Front/1xRTT\_RC3 SO32\_ch 580/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

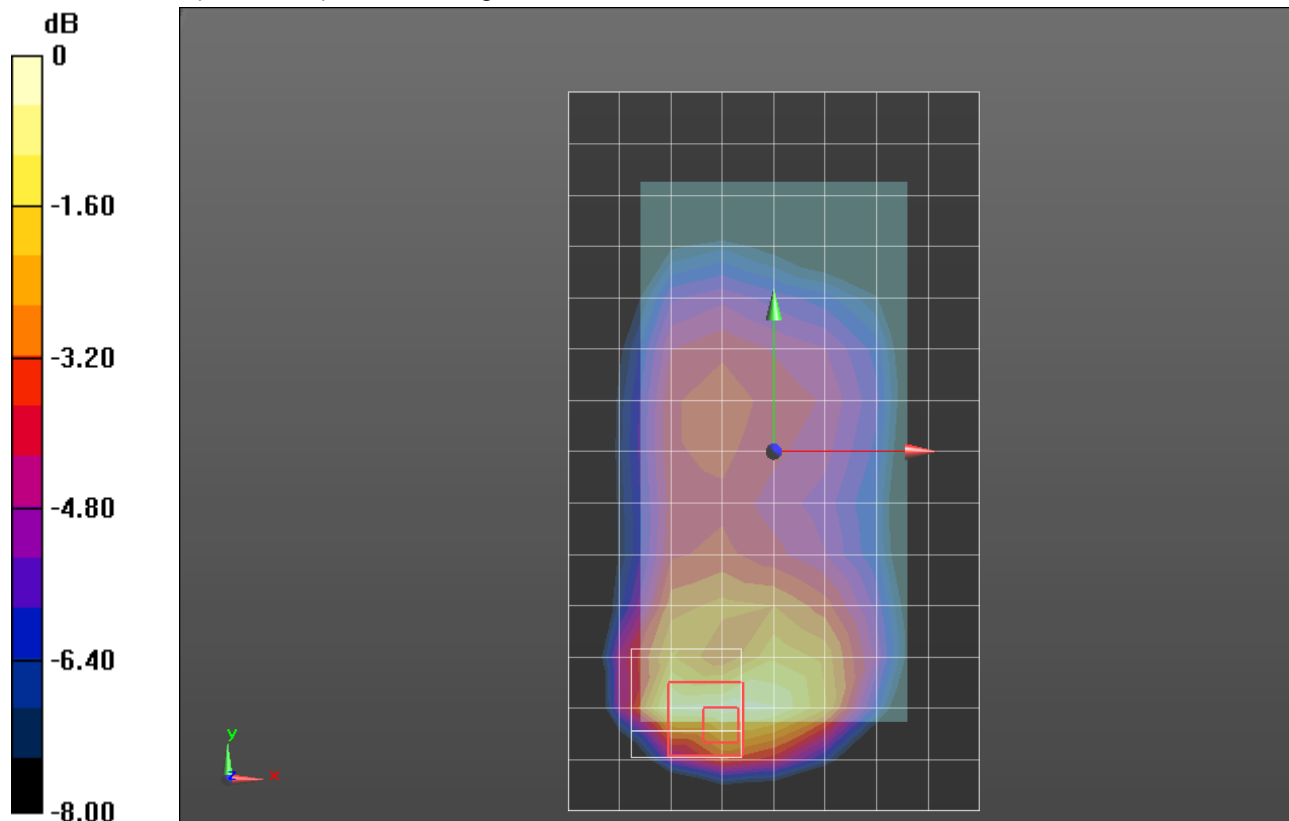
Reference Value = 22.749 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.342 W/kg**

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

Maximum value of SAR (measured) = 0.823 W/kg



0 dB = 0.823 W/kg = -0.85 dBW/kg

## CDMA BC 15\_LAT

Frequency: 1753.75 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 1753.75$  MHz;  $\sigma = 1.325$  S/m;  $\epsilon_r = 40.721$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(8.58, 8.58, 8.58); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM A; Type: SAM; Serial: 1831

**RHS/Touch\_1xRTT\_RC3 SO55\_ch 875/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

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

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

**RHS/Touch\_1xRTT\_RC3 SO55\_ch 875/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

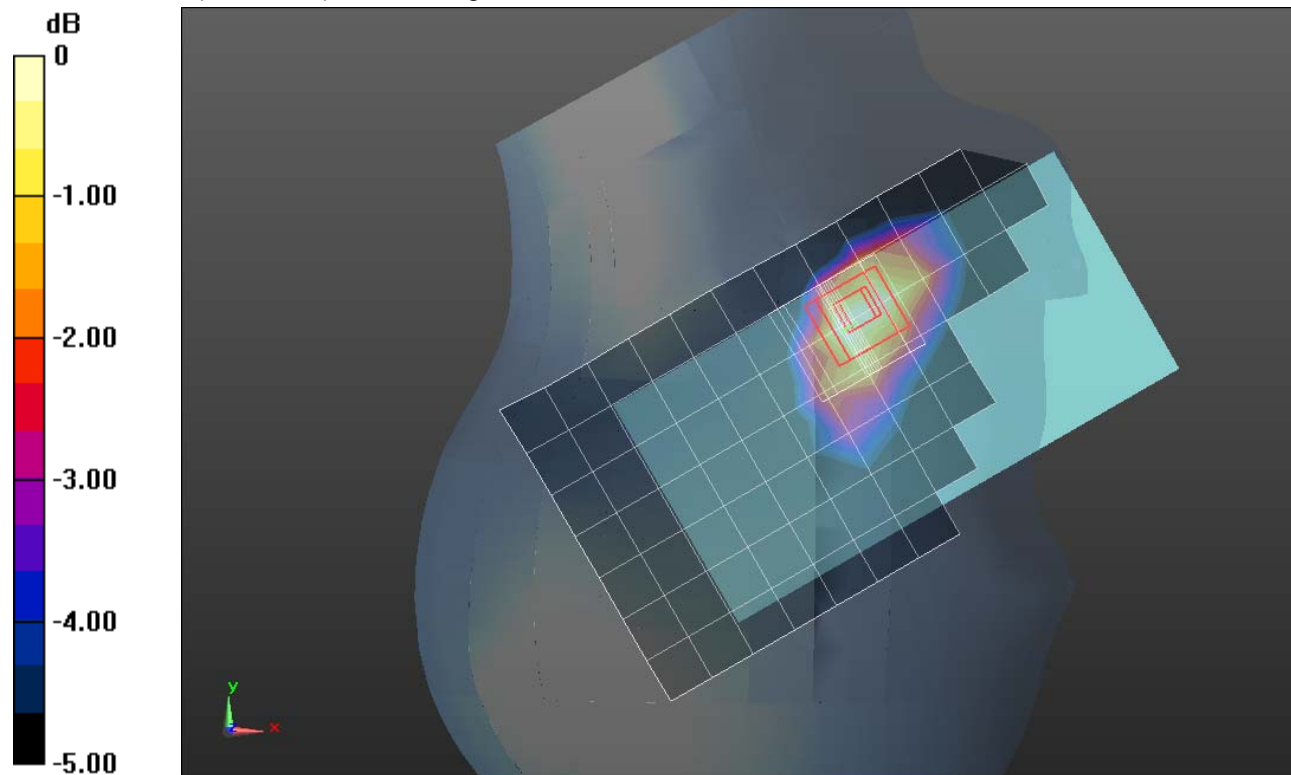
Reference Value = 28.390 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.959 W/kg; SAR(10 g) = 0.626 W/kg**

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

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

## CDMA BC 15\_LAT

Frequency: 1753.75 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 1753.75$  MHz;  $\sigma = 1.458$  S/m;  $\epsilon_r = 51.479$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(8.26, 8.26, 8.26); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Rear/1xRTT\_RC3 SO32\_ch 875/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

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

**Rear/1xRTT\_RC3 SO32\_ch 875/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

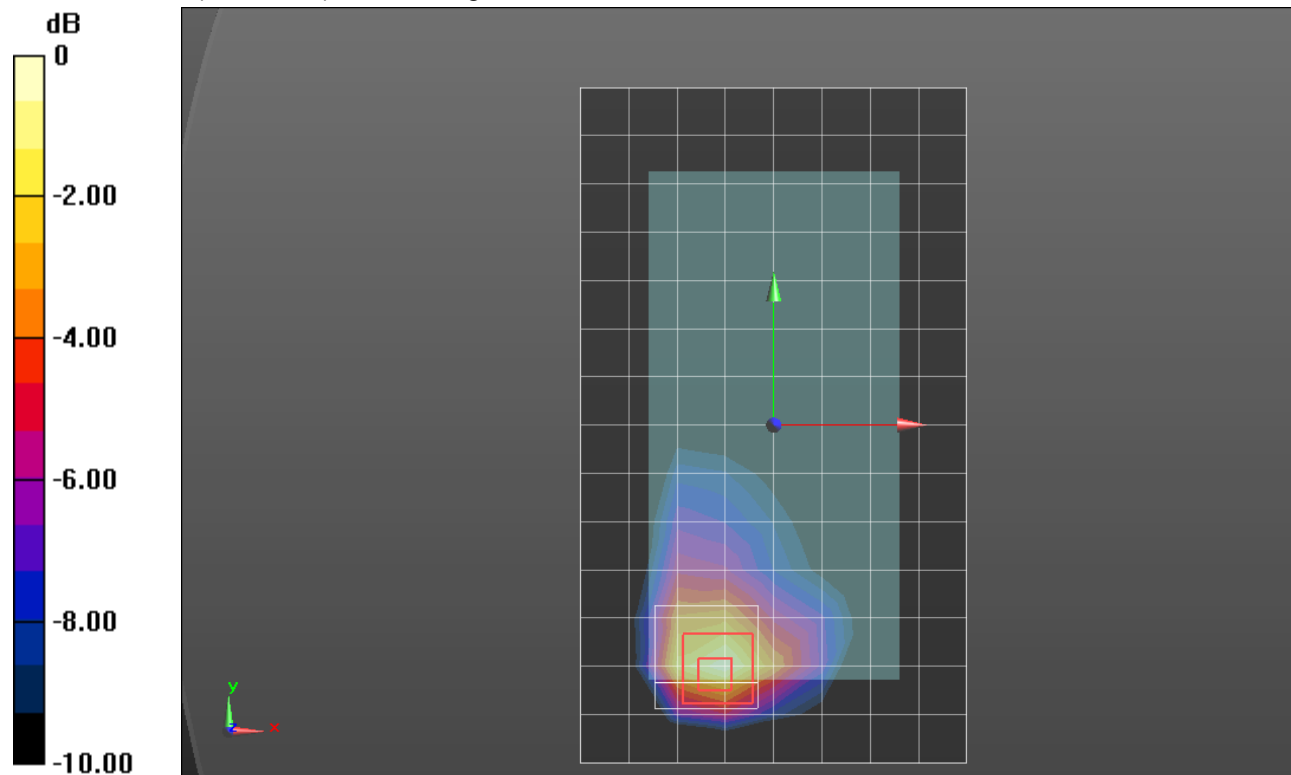
Reference Value = 33.128 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.24 W/kg

**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.588 W/kg**

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

Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg = 1.99 dBW/kg

## LTE Band 2\_LAT

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.409$  S/m;  $\epsilon_r = 40.095$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.52, 7.52, 7.52); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1830

**RHS/Touch\_QPSK\_RB 1/49 Ch 19100/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 1.15 W/kg

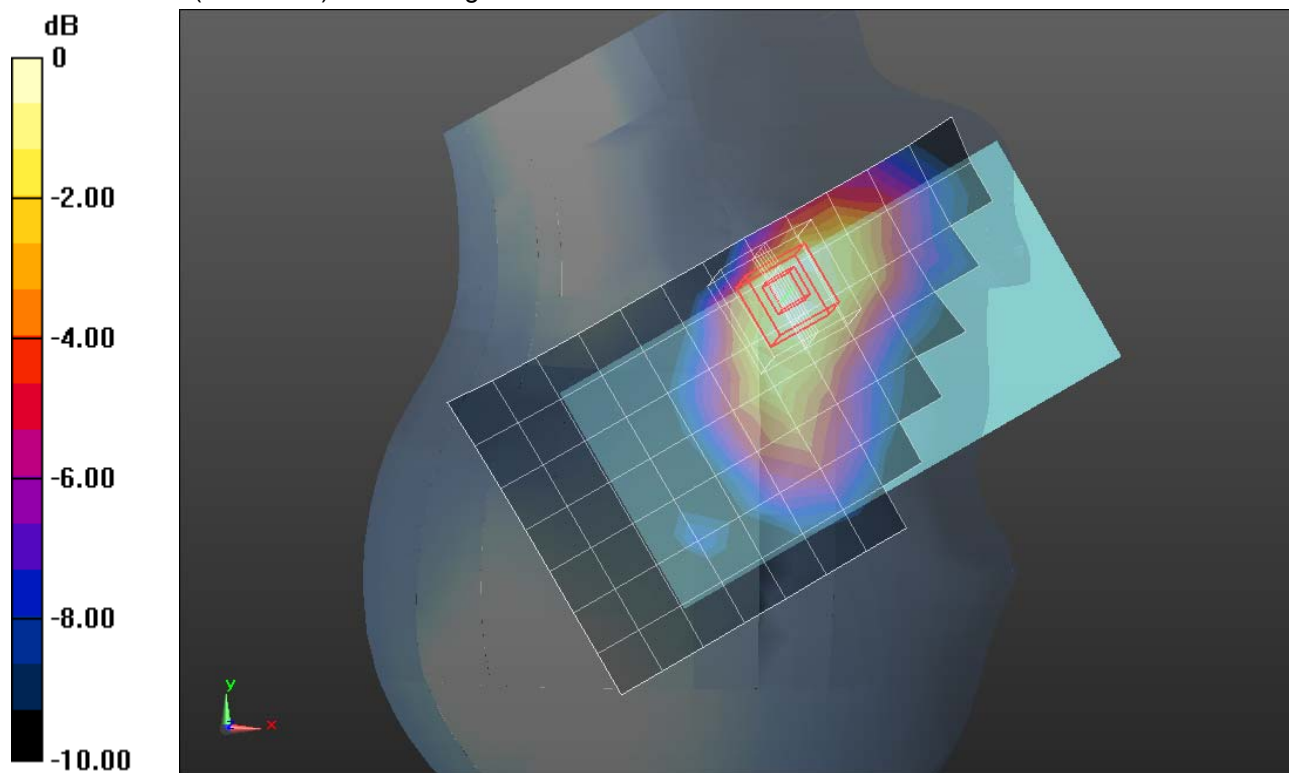
**RHS/Touch\_QPSK\_RB 1/49 Ch 19100/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.886 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.641 W/kg**

Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

## LTE Band 2\_LAT

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.577$  S/m;  $\epsilon_r = 51.263$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(7.88, 7.88, 7.88); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Rear/QPSK\_RB 1/49\_Ch 19100/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.55 W/kg

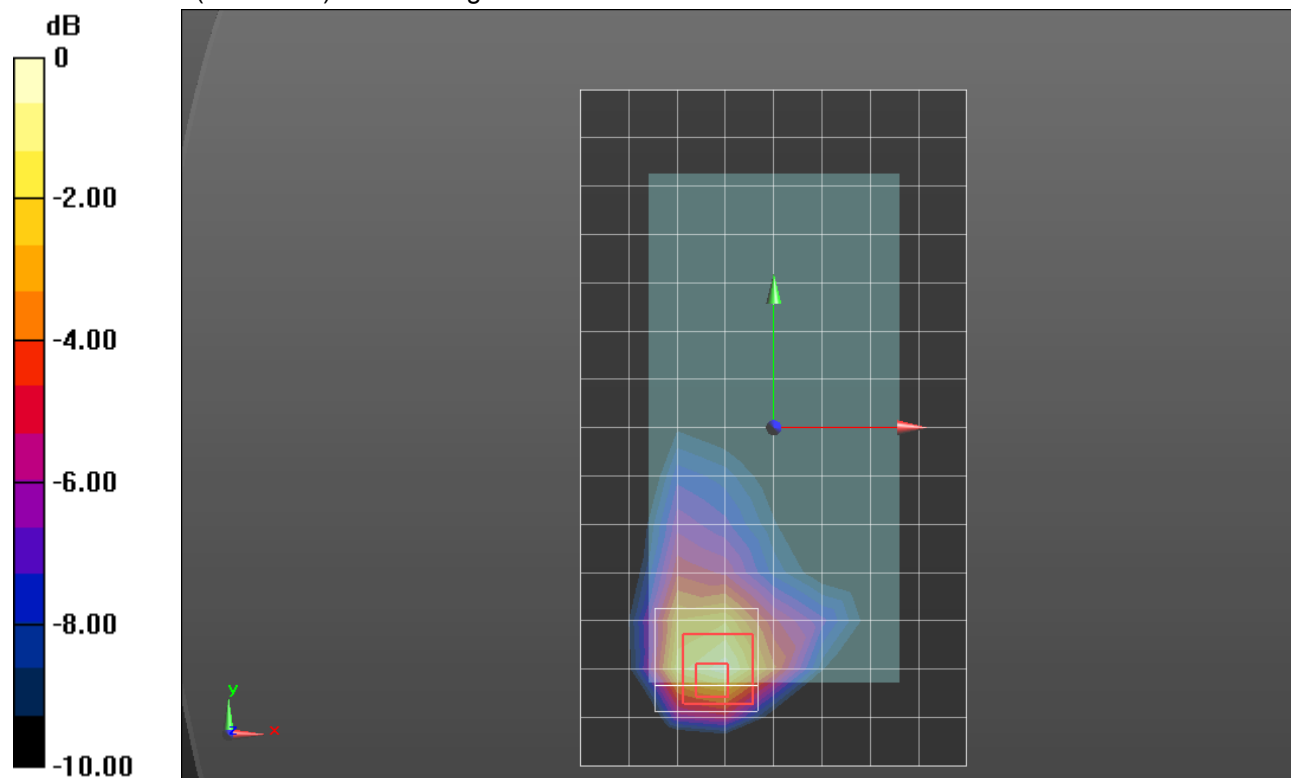
**Rear/QPSK\_RB 1/49\_Ch 19100/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.532 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.576 W/kg**

Maximum value of SAR (measured) = 1.61 W/kg



0 dB = 1.61 W/kg = 2.07 dBW/kg

## LTE Band 4\_UAT

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.318$  S/m;  $\epsilon_r = 40.727$ ;  $\rho = 1000$  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

- ;

- Probe: EX3DV4 - SN3990; ConvF(8.58, 8.58, 8.58); Calibrated: 4/15/2014;

- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Phantom: SAM A; Type: SAM; Serial: 1831

**RHS/Touch\_QPSK\_RB 1/49\_Ch 20300/Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

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

**RHS/Touch\_QPSK\_RB 1/49\_Ch 20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

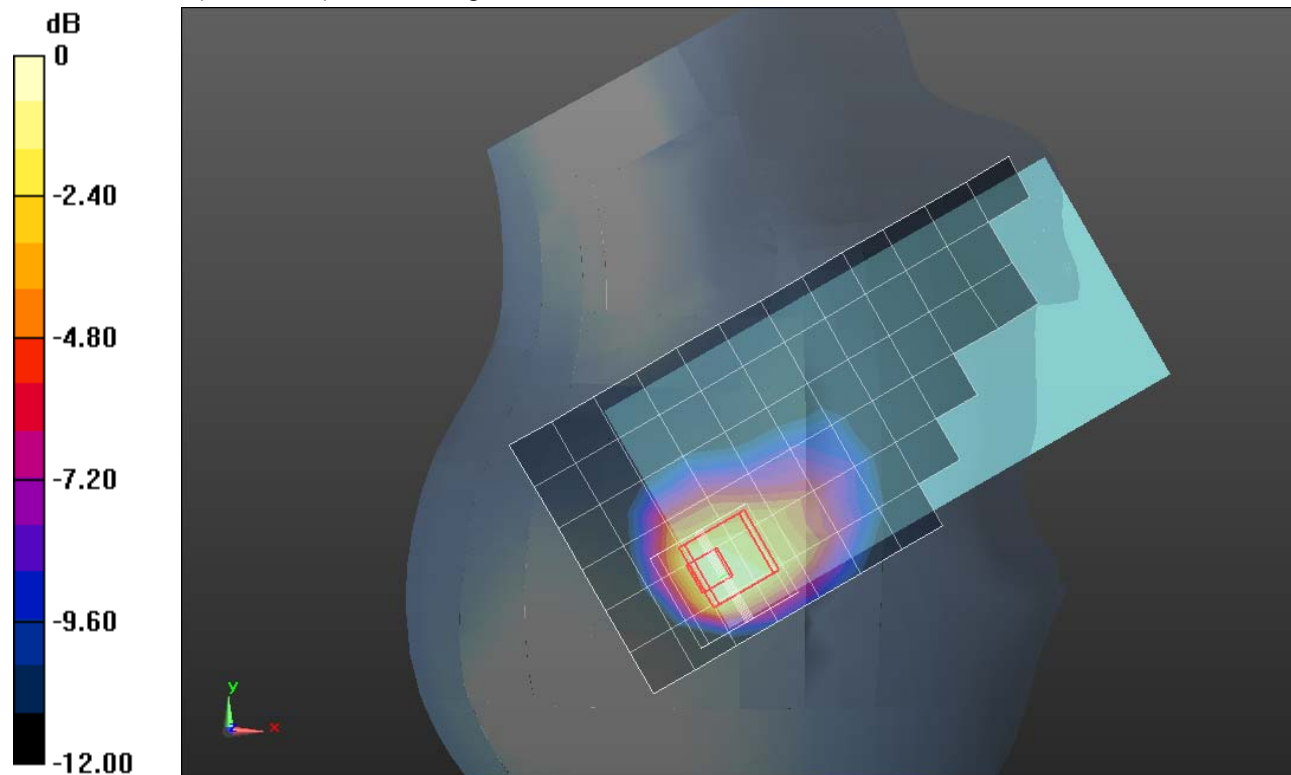
Reference Value = 30.571 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.492 W/kg**

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

Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

## LTE Band 4\_LAT

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.449$  S/m;  $\epsilon_r = 51.493$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(8.26, 8.26, 8.26); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Rear/QPSK\_RB 1/49\_Ch 20300/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.41 W/kg

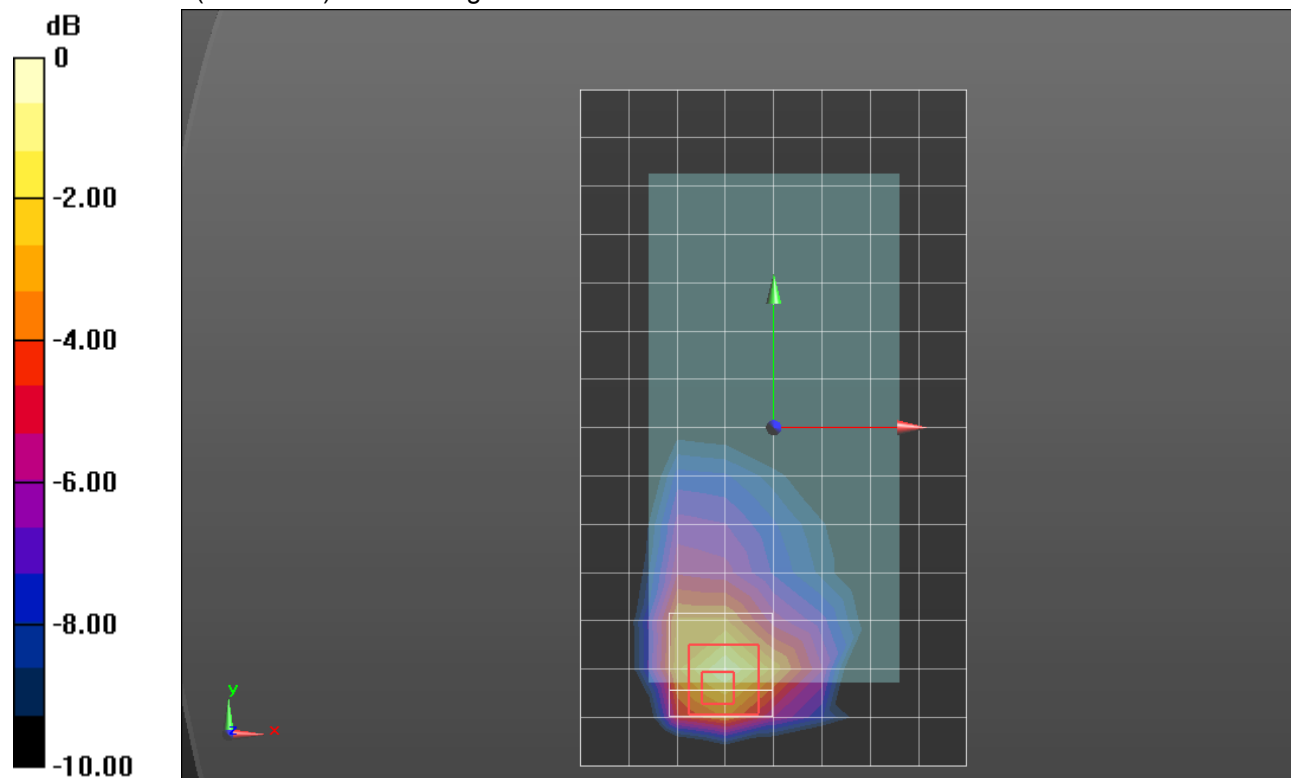
**Rear/QPSK\_RB 1/49\_Ch 20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.733 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.22 W/kg

**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.604 W/kg**

Maximum value of SAR (measured) = 1.60 W/kg



0 dB = 1.60 W/kg = 2.04 dBW/kg

## LTE Band 5 UAT

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.886$  S/m;  $\epsilon_r = 40.306$ ;  $\rho = 1000$  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 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**RHS/Touch\_QPSK\_RB 1/24\_Ch 20525/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.613 W/kg

**RHS/Touch\_QPSK\_RB 1/24\_Ch 20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

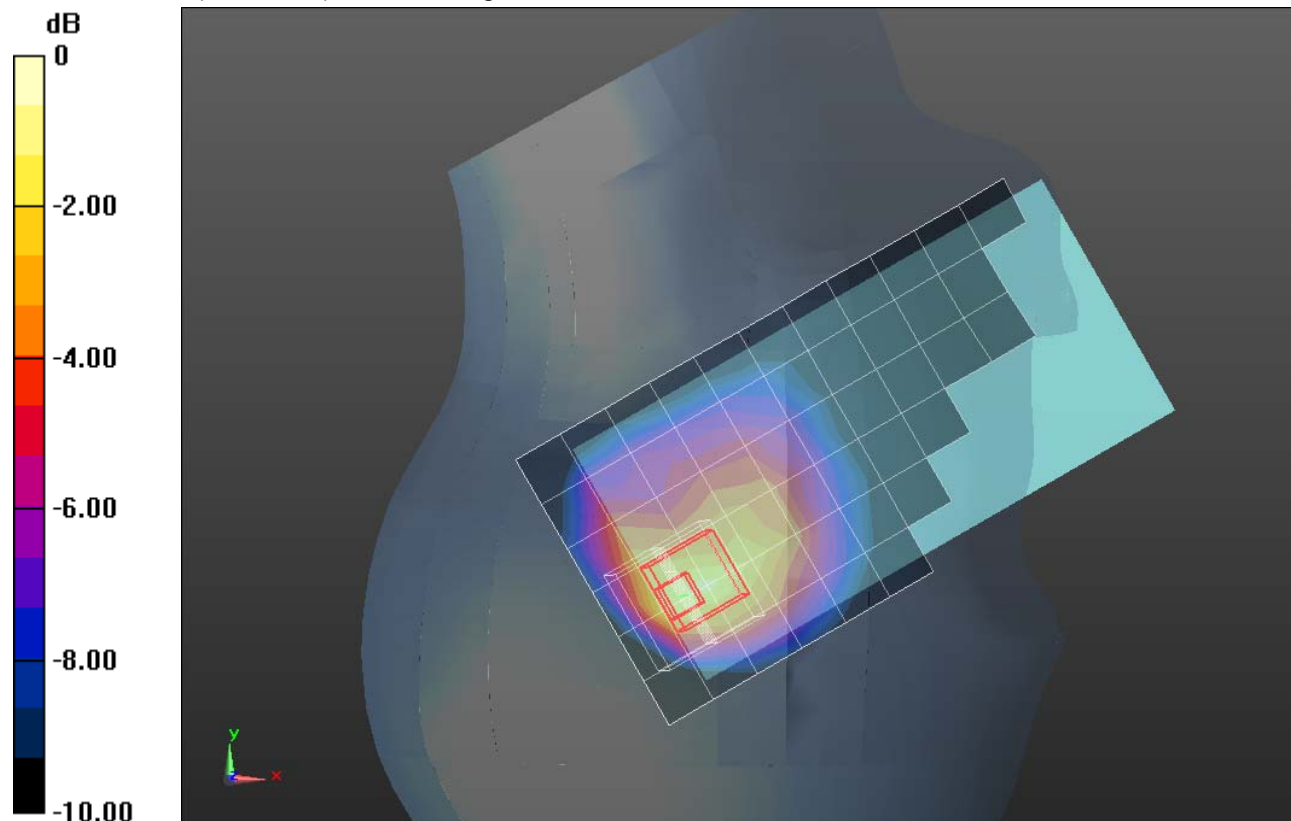
Reference Value = 26.133 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.340 W/kg**

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

Maximum value of SAR (measured) = 0.773 W/kg



0 dB = 0.773 W/kg = -1.12 dBW/kg

## LTE Band 5\_LAT

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 53.065$ ;  $\rho = 1000$  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 - SN3989; ConvF(9.96, 9.96, 9.96); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Front/QPSK\_RB 1/24\_ch 20525/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.02 W/kg

**Front/QPSK\_RB 1/24\_ch 20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

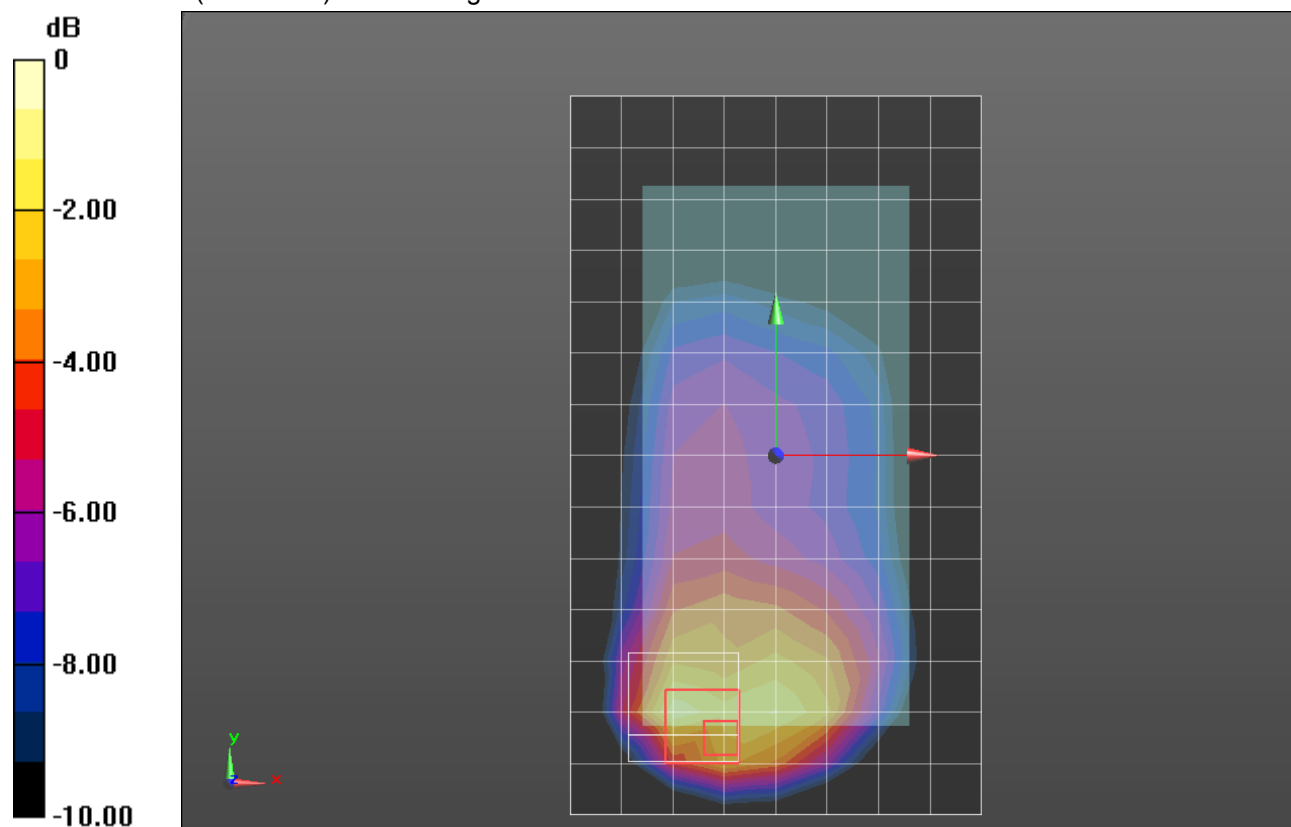
Reference Value = 32.289 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 0.864 W/kg; SAR(10 g) = 0.455 W/kg**

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

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

## LTE Band 13\_UAT

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 782$  MHz;  $\sigma = 0.924$  S/m;  $\epsilon_r = 41.867$ ;  $\rho = 1000$  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 - SN3751; ConvF(9.3, 9.3, 9.3); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v4.0(A); Type: QD000P40CD; Serial: 1632

**RHS/Touch\_QPSK\_RB 1/24\_Ch 23230/Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.608 W/kg

**RHS/Touch\_QPSK\_RB 1/24\_Ch 23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

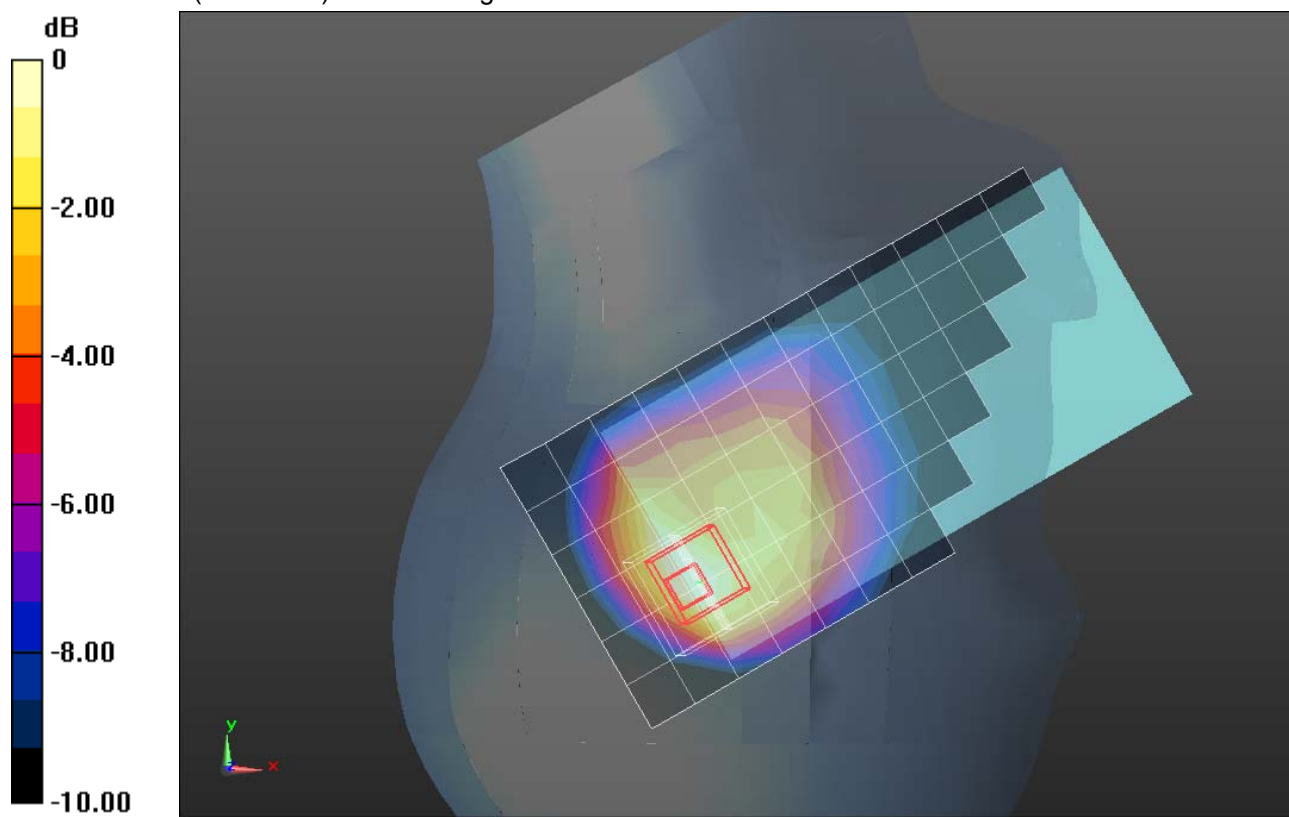
Reference Value = 25.926 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.812 W/kg

**SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.244 W/kg**

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

Maximum value of SAR (measured) = 0.543 W/kg



0 dB = 0.543 W/kg = -2.65 dBW/kg

## LTE Band 13\_LAT

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 782$  MHz;  $\sigma = 0.993$  S/m;  $\epsilon_r = 53.517$ ;  $\rho = 1000$  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 - SN3751; ConvF(8.66, 8.66, 8.66); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Front/QPSK\_RB 1/24\_Ch 23230/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.903 W/kg

**Front/QPSK\_RB 1/24\_Ch 23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

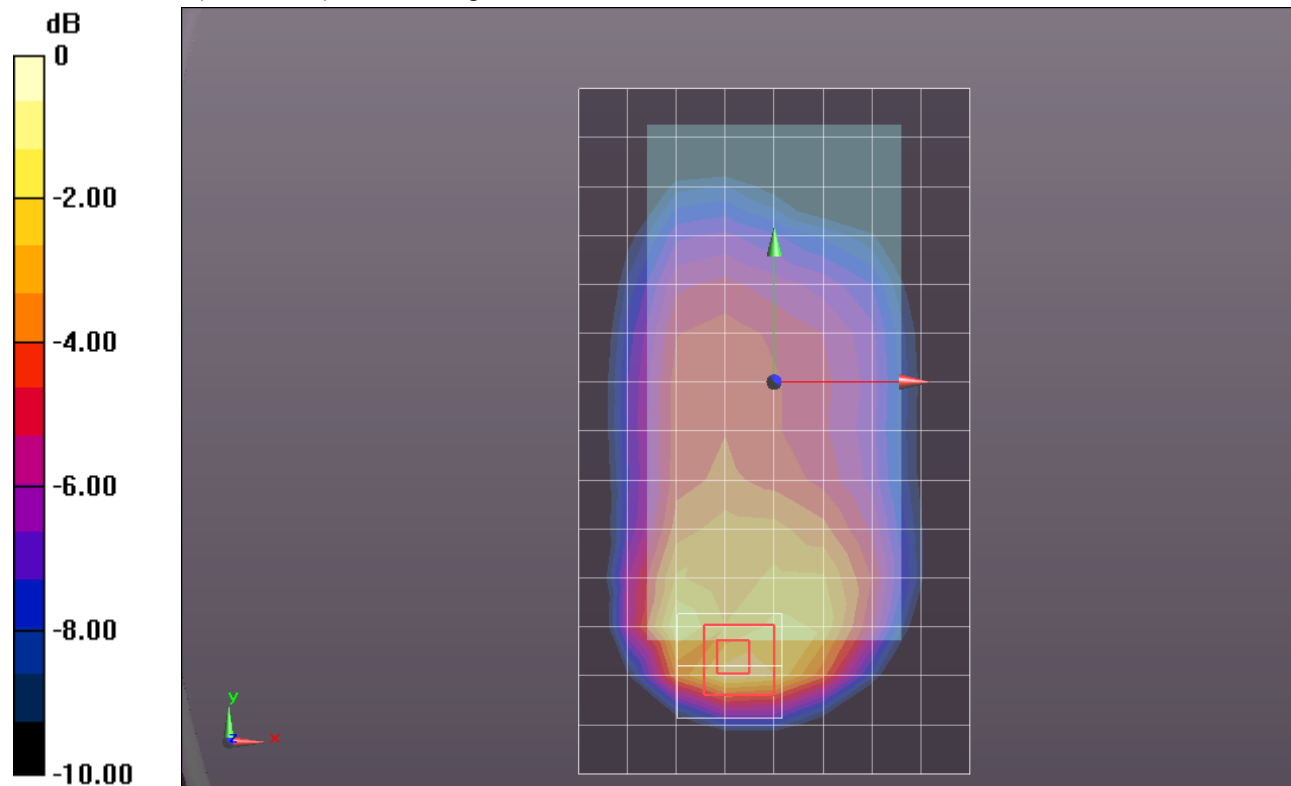
Reference Value = 30.338 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.483 W/kg**

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

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



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

## LTE Band 17\_UAT

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.86$  S/m;  $\epsilon_r = 42.74$ ;  $\rho = 1000$  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 - SN3751; ConvF(9.3, 9.3, 9.3); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v4.0(A); Type: QD000P40CD; Serial: 1632

**RHS/Touch\_QPSK\_RB 1/24\_Ch 23790/Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.517 W/kg

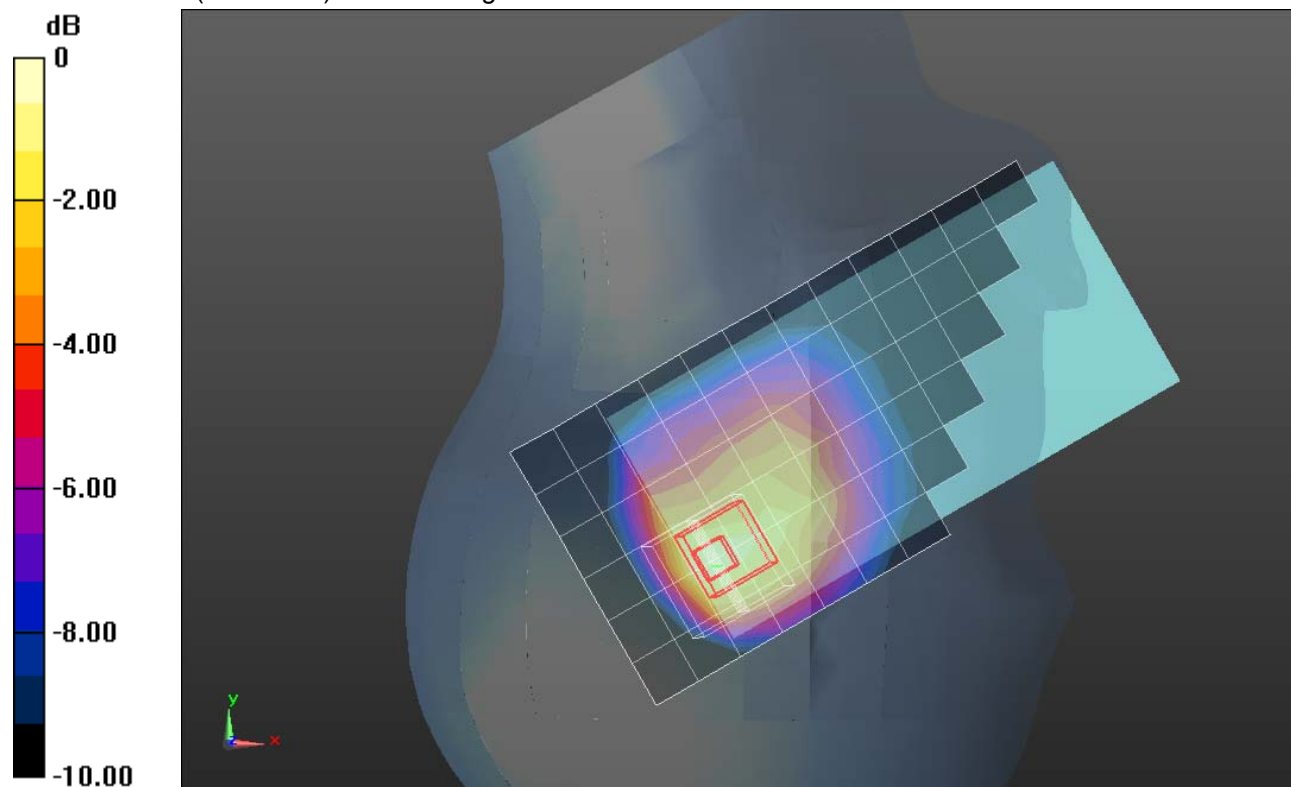
**RHS/Touch\_QPSK\_RB 1/24\_Ch 23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.688 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.294 W/kg**

Maximum value of SAR (measured) = 0.634 W/kg



0 dB = 0.634 W/kg = -1.98 dBW/kg

## LTE Band 17\_LAT

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.925$  S/m;  $\epsilon_r = 54.316$ ;  $\rho = 1000$  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 - SN3751; ConvF(8.66, 8.66, 8.66); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Front/QPSK\_RB 1/24\_Ch 23790/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.349 W/kg

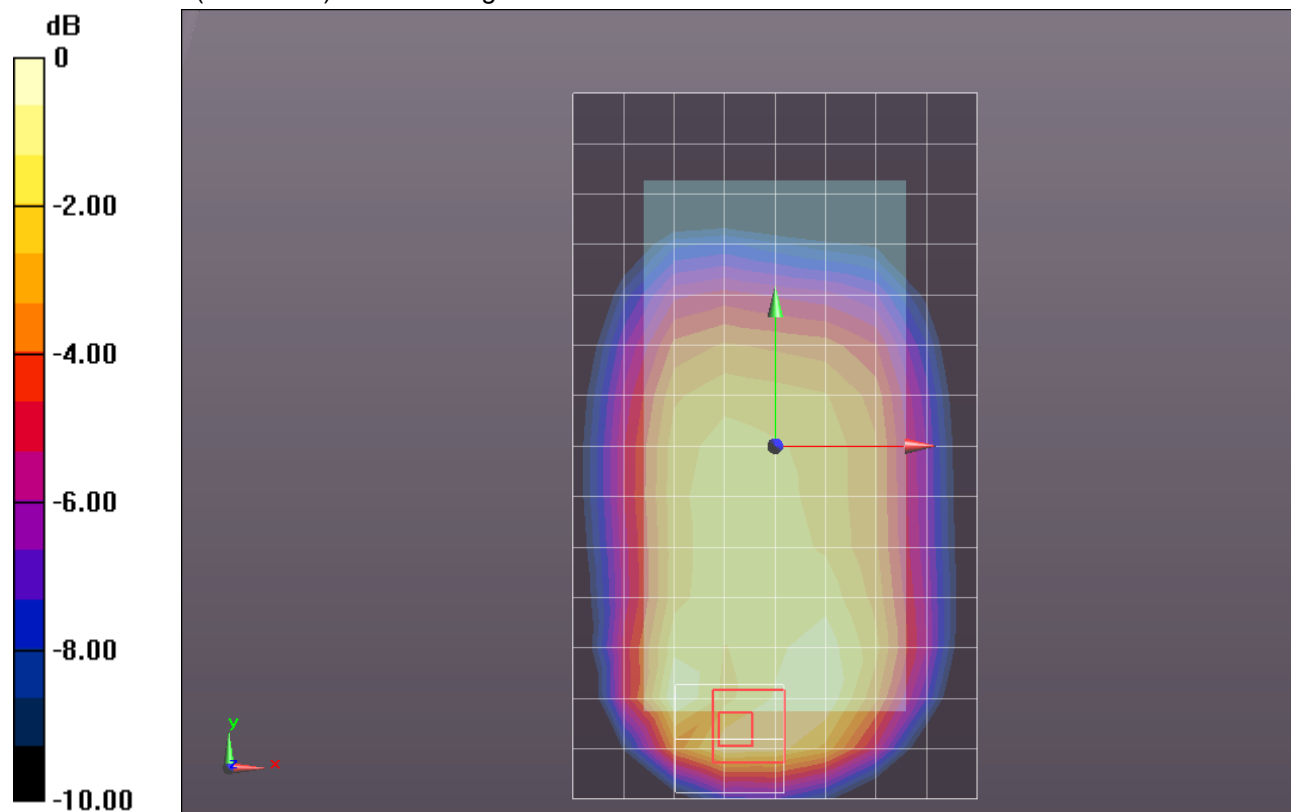
**Front/QPSK\_RB 1/24\_Ch 23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.592 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.584 W/kg

**SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.188 W/kg**

Maximum value of SAR (measured) = 0.398 W/kg



## LTE Band 17\_LAT

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.925$  S/m;  $\epsilon_r = 54.316$ ;  $\rho = 1000$  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 - SN3751; ConvF(8.66, 8.66, 8.66); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Edge 4/QPSK\_RB 1/24\_Ch 23790/Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.697 W/kg

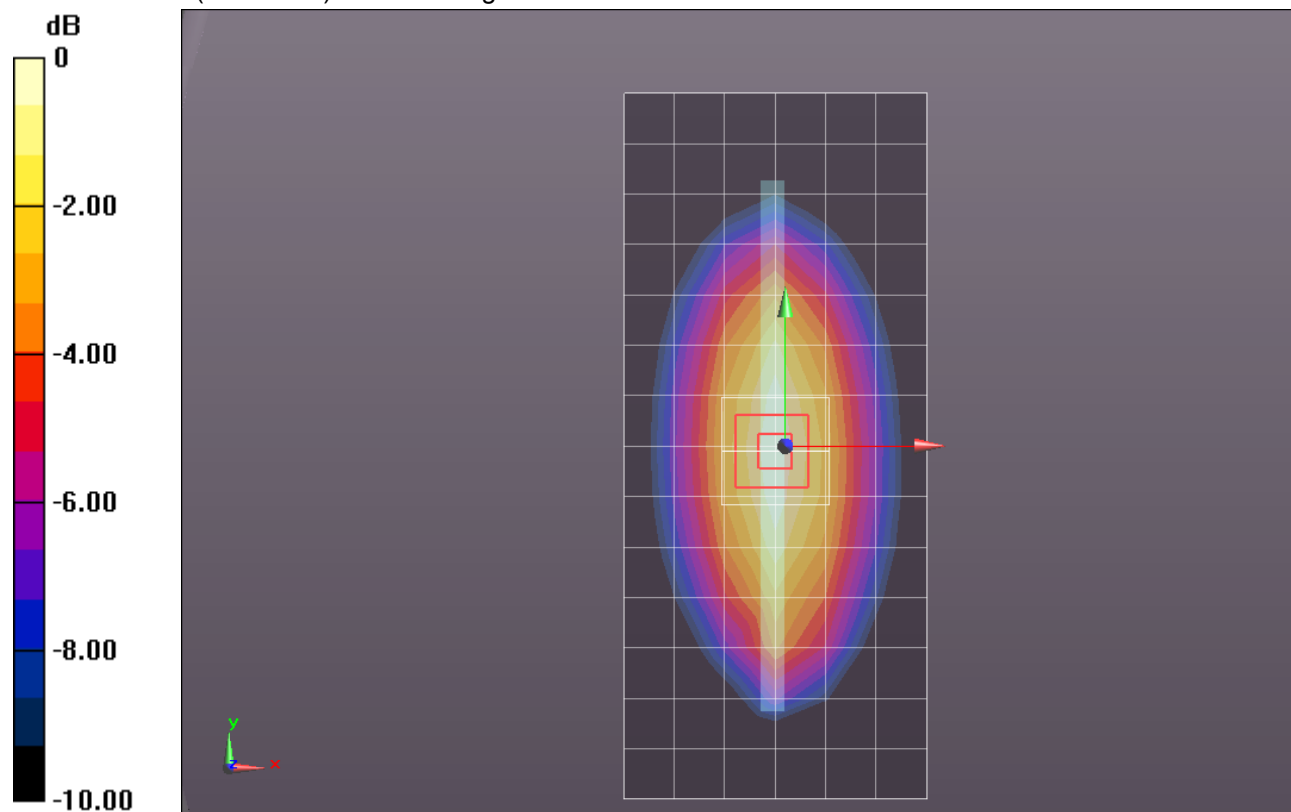
**Edge 4/QPSK\_RB 1/24\_Ch 23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.634 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.830 W/kg

**SAR(1 g) = 0.566 W/kg; SAR(10 g) = 0.383 W/kg**

Maximum value of SAR (measured) = 0.684 W/kg



## LTE Band 25\_LAT

Frequency: 1905 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.415$  S/m;  $\epsilon_r = 40.066$ ;  $\rho = 1000$  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 Sn1258; Calibrated: 5/15/2014
- Probe: EX3DV4 - SN3686; ConvF(7.52, 7.52, 7.52); Calibrated: 3/18/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1830

**RHS/Touch\_QPSK\_RB 1/49 Ch 26590/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 1.20 W/kg

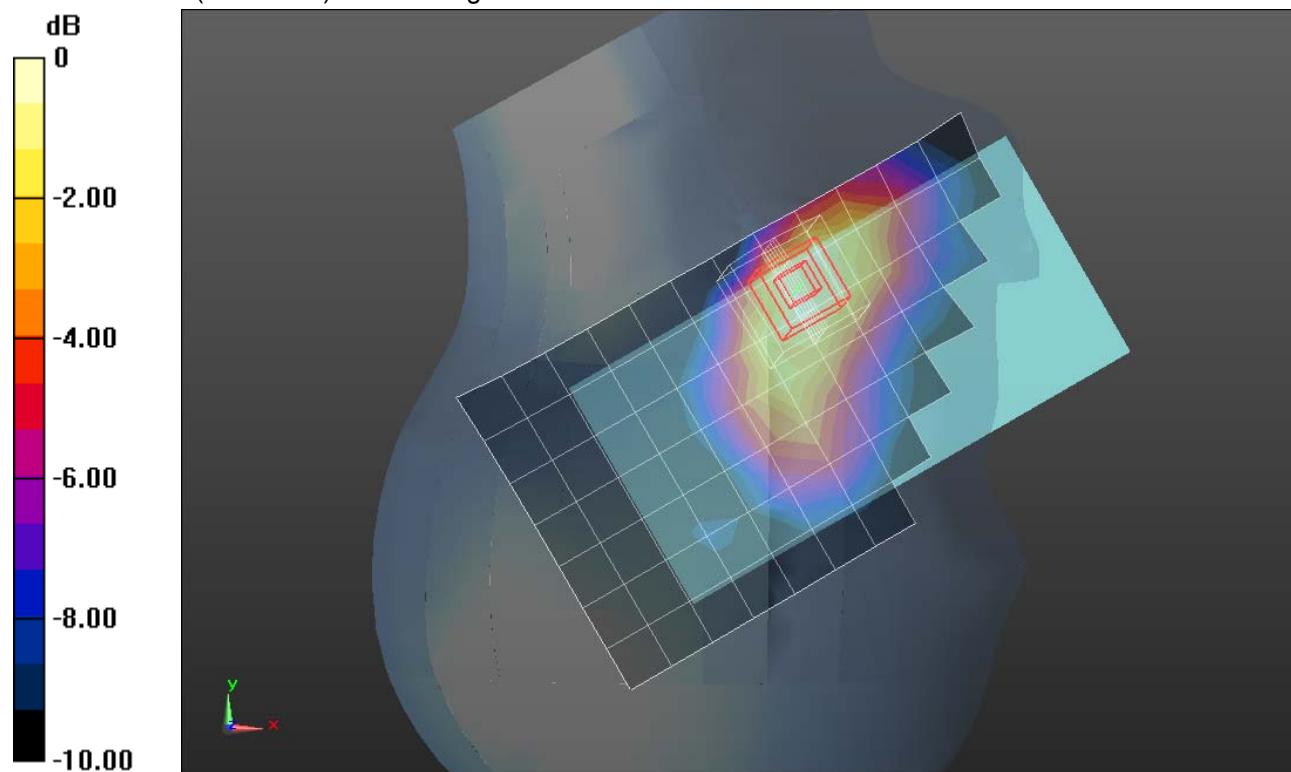
**RHS/Touch\_QPSK\_RB 1/49 Ch 26590/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.337 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.678 W/kg**

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



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

## LTE Band 25\_LAT

Frequency: 1860 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.543$  S/m;  $\epsilon_r = 51.35$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3990; ConvF(7.88, 7.88, 7.88); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A; Type: QDOVA002AA; Serial: 1258

**Rear/QPSK\_RB 1/49\_Ch 26140/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.61 W/kg

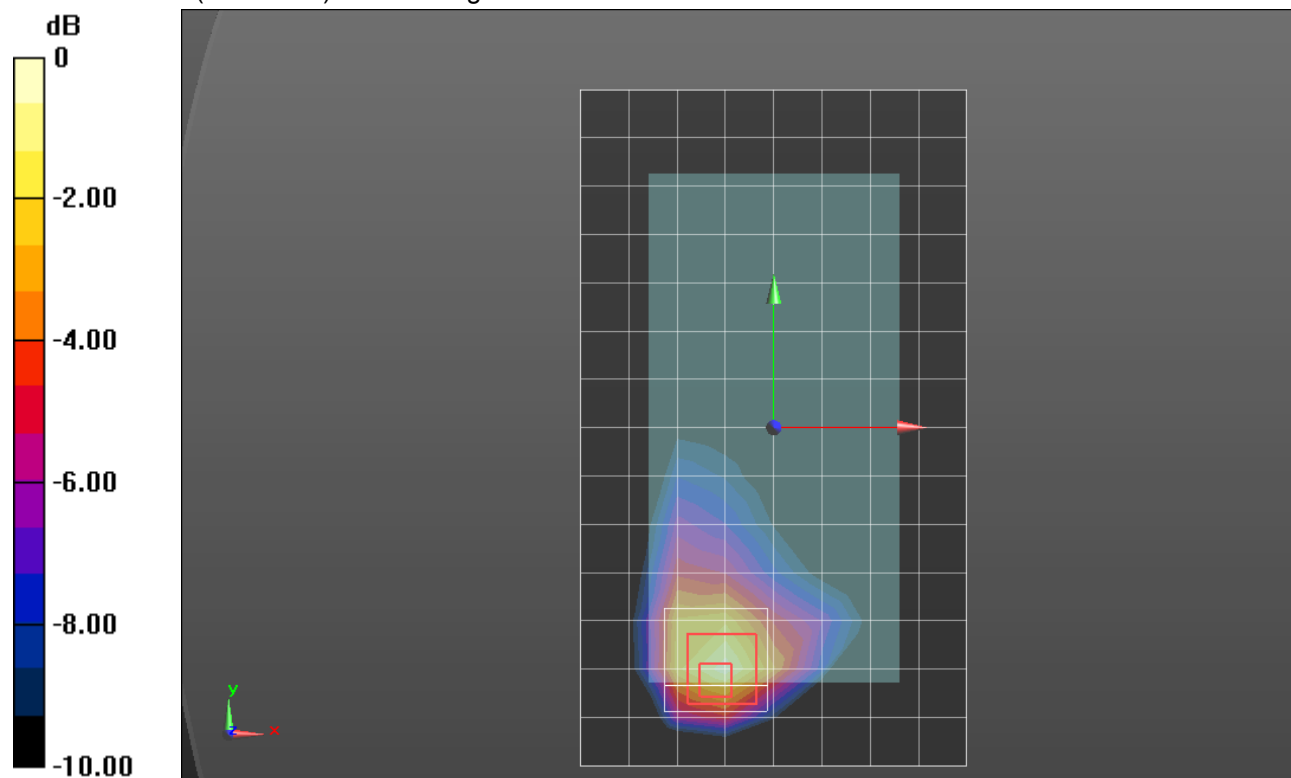
**Rear/QPSK\_RB 1/49\_Ch 26140/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.563 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.36 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.608 W/kg**

Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.67 W/kg = 2.23 dBW/kg

## LTE Band 26\_UAT

Frequency: 819 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 819$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 40.394$ ;  $\rho = 1000$  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 Sn1433; Calibrated: 4/14/2014
- Probe: EX3DV4 - SN3989; ConvF(10.29, 10.29, 10.29); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**RHS/Touch\_QPSK\_RB 1/24\_Ch 26740/Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.393 W/kg

**RHS/Touch\_QPSK\_RB 1/24\_Ch 26740/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

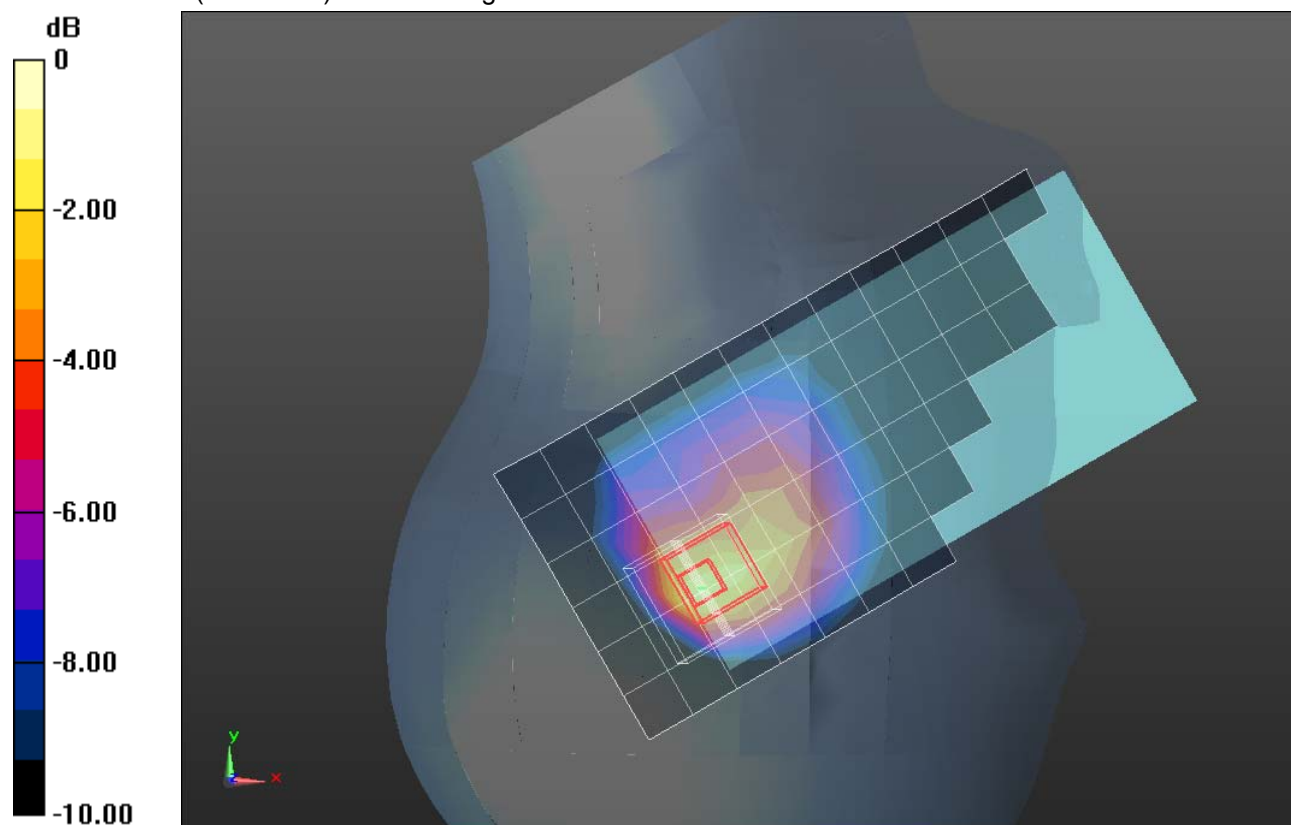
Reference Value = 21.918 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.674 W/kg

**SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.213 W/kg**

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

Maximum value of SAR (measured) = 0.517 W/kg



0 dB = 0.517 W/kg = -2.87 dBW/kg

## LTE Band 26\_LAT

Frequency: 819 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 819$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 53.635$ ;  $\rho = 1000$  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 - SN3989; ConvF(9.96, 9.96, 9.96); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Front/QPSK\_RB 1/24\_Ch 26740/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.455 W/kg

**Front/QPSK\_RB 1/24\_Ch 26740/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

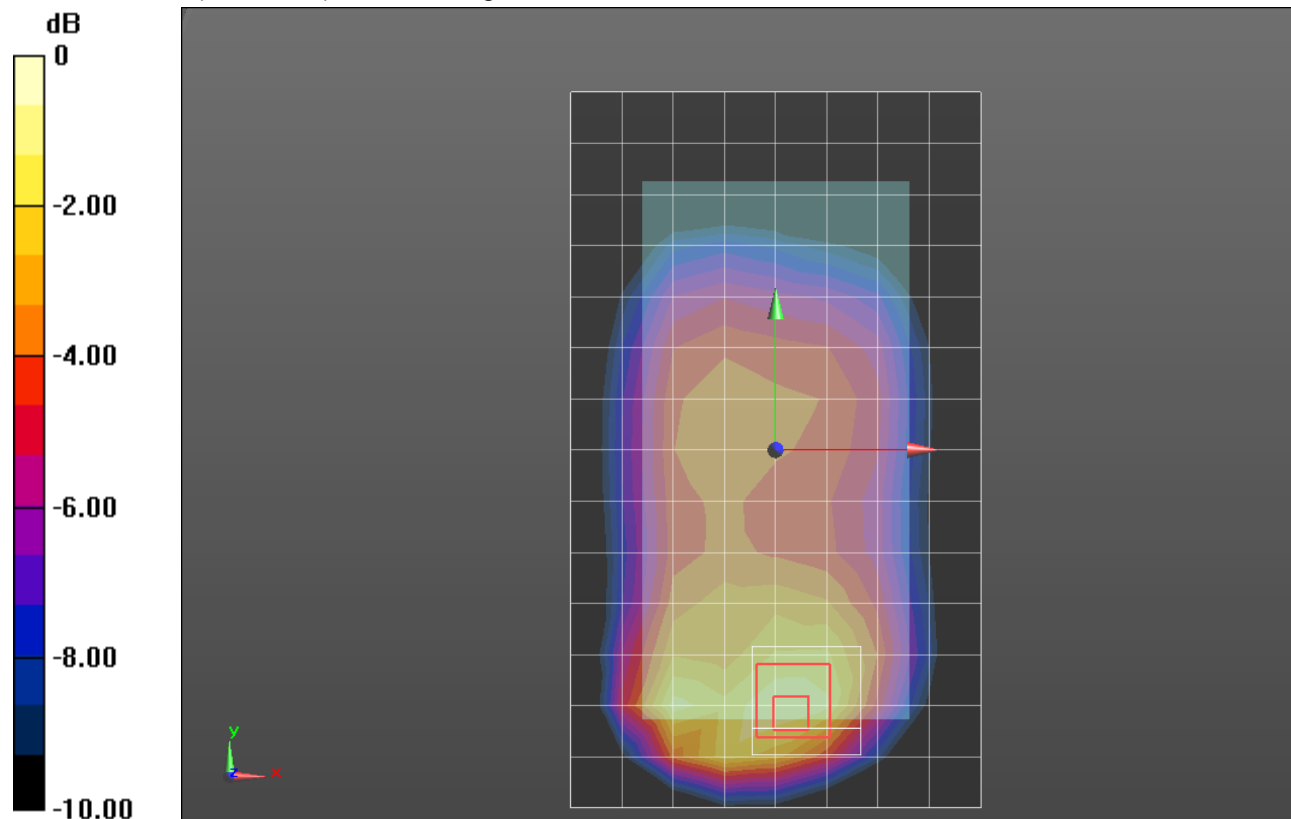
Reference Value = 21.96 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.696 W/kg

**SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.248 W/kg**

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

Maximum value of SAR (measured) = 0.530 W/kg



0 dB = 0.530 W/kg = -2.76 dBW/kg

## LTE Band 26\_LAT

Frequency: 819 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 819$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 53.635$ ;  $\rho = 1000$  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 - SN3989; ConvF(9.96, 9.96, 9.96); Calibrated: 4/15/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Edge 4/QPSK\_RB 1/24\_Ch 26740/Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.487 W/kg

**Edge 4/QPSK\_RB 1/24\_Ch 26740/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

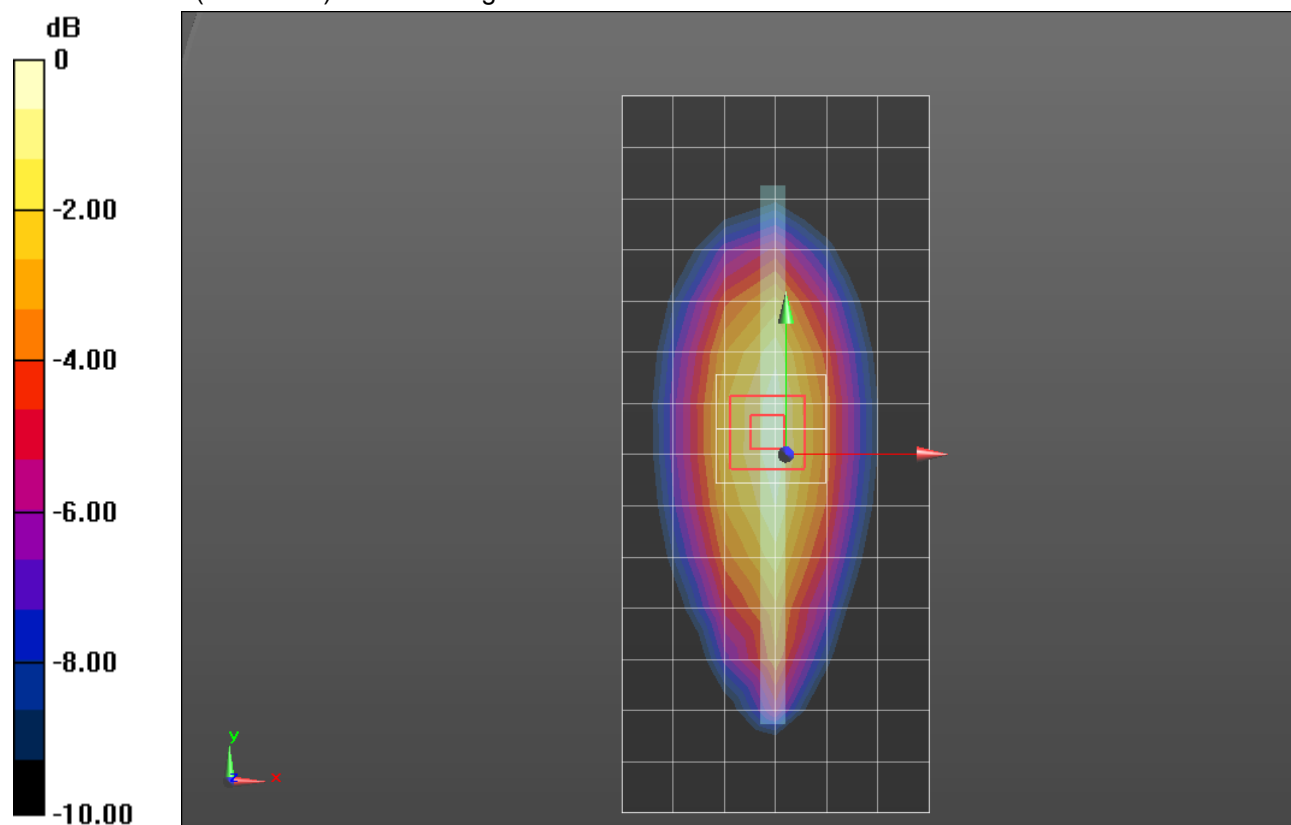
Reference Value = 22.662 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.621 W/kg

**SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.268 W/kg**

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

Maximum value of SAR (measured) = 0.502 W/kg



0 dB = 0.502 W/kg = -2.99 dBW/kg

## LTE Band 41\_UAT

Frequency: 2593 MHz; Duty Cycle: 1:1.6; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 2593$  MHz;  $\sigma = 2.033$  S/m;  $\epsilon_r = 39.436$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 1/23/2014
- Probe: EX3DV4 - SN3772; ConvF(6.42, 6.42, 6.42); Calibrated: 2/26/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (B); Type: QD000P40CD; Serial: 1628

**RHS/Touch\_QPSK\_RB 1/49\_ch 40620/Area Scan 2 (9x17x1):** Measurement grid: dx=12mm, dy=12mm

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

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

**RHS/Touch\_QPSK\_RB 1/49\_ch 40620/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

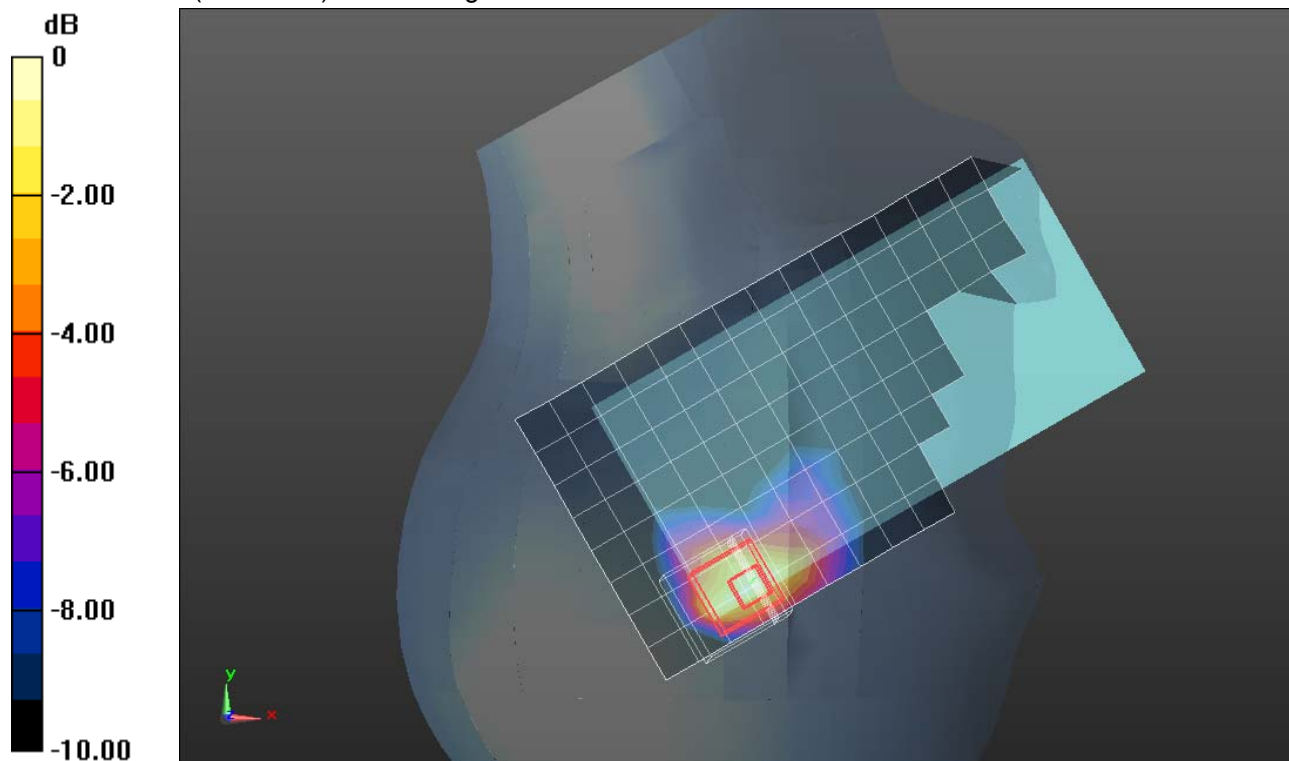
Reference Value = 26.974 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.26 W/kg

**SAR(1 g) = 0.987 W/kg; SAR(10 g) = 0.432 W/kg**

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

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



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

## LTE Band 41\_LAT

Frequency: 2680 MHz; Duty Cycle: 1:1.6; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.3$  S/m;  $\epsilon_r = 51.253$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 1/23/2014
- Probe: EX3DV4 - SN3772; ConvF(6.15, 6.15, 6.15); Calibrated: 2/26/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1099

**Rear/QSPK\_RB 1/49\_Ch. 41490/Area Scan (11x18x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 1.21 W/kg

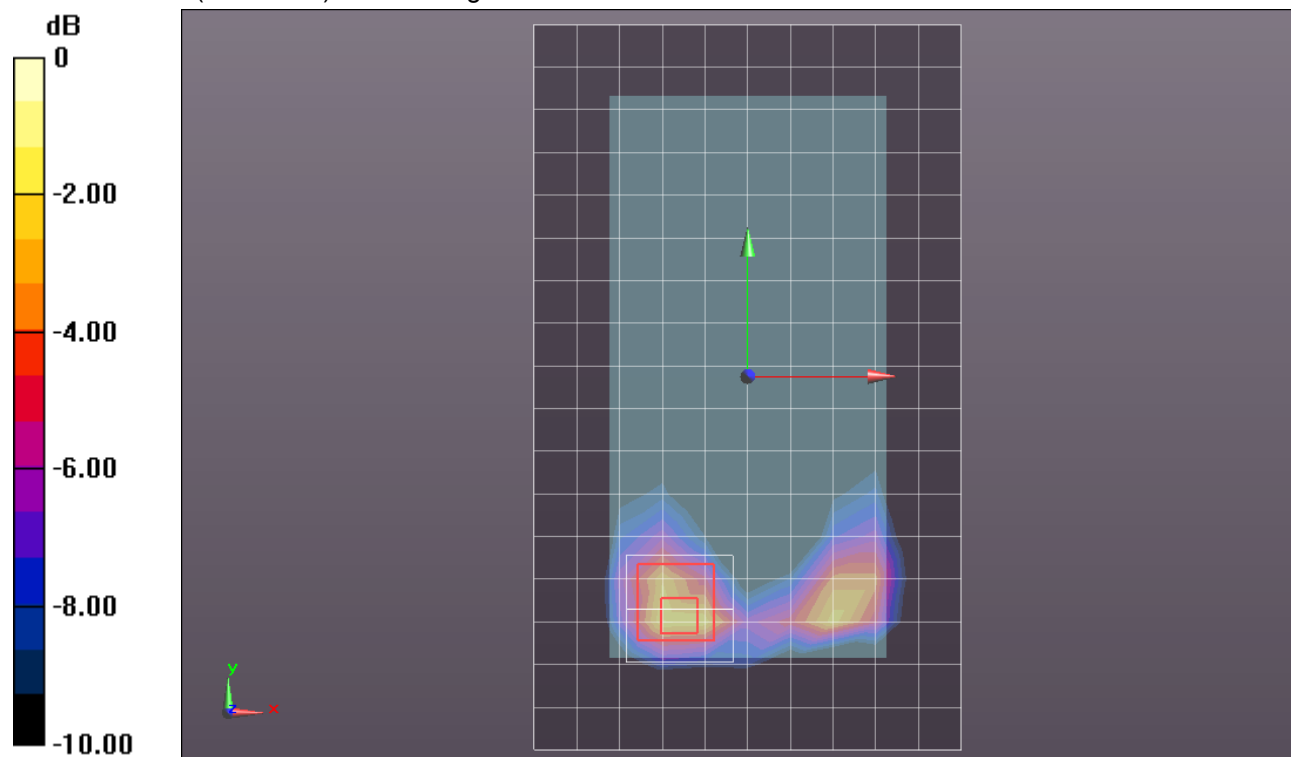
**Rear/QSPK\_RB 1/49\_Ch. 41490/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.844 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.42 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.448 W/kg**

Maximum value of SAR (measured) = 1.88 W/kg



0 dB = 1.88 W/kg = 2.74 dBW/kg

## Wi-Fi 2.4 GHz

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;  $\sigma = 1.827$  S/m;  $\epsilon_r = 40.198$ ;  $\rho = 1000$  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 - SN3749; ConvF(6.6, 6.6, 6.6); Calibrated: 1/29/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000PCD; Serial: 1632

**RHS/Touch\_802.11b\_ch 11/Area Scan (9x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.50 W/kg

**RHS/Touch\_802.11b\_ch 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

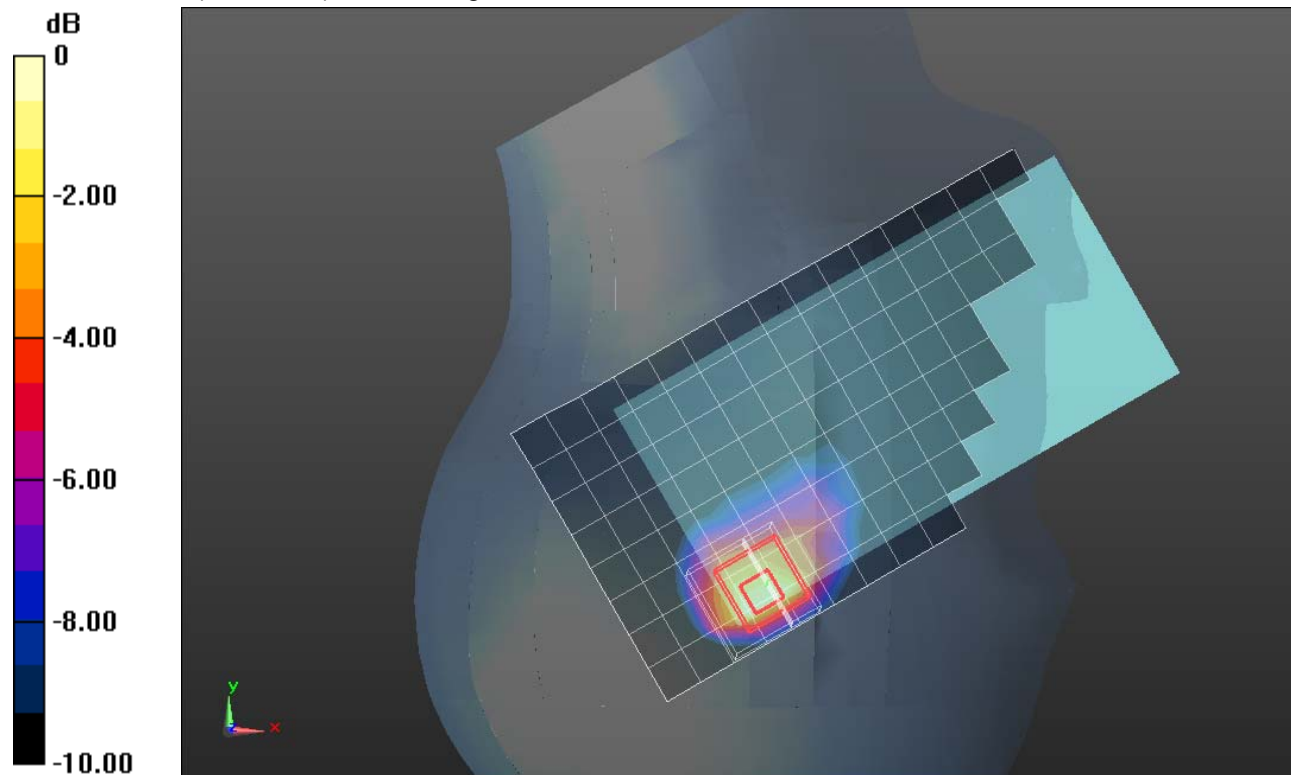
Reference Value = 28.151 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.61 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.528 W/kg**

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

Maximum value of SAR (measured) = 1.70 W/kg



0 dB = 1.70 W/kg = 2.30 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;  $\sigma = 1.955$  S/m;  $\epsilon_r = 52.031$ ;  $\rho = 1000$  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 - SN3749; ConvF(6.49, 6.49, 6.49); Calibrated: 1/29/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Rear/802.11b\_ch 6/Area Scan (11x9x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.702 W/kg

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

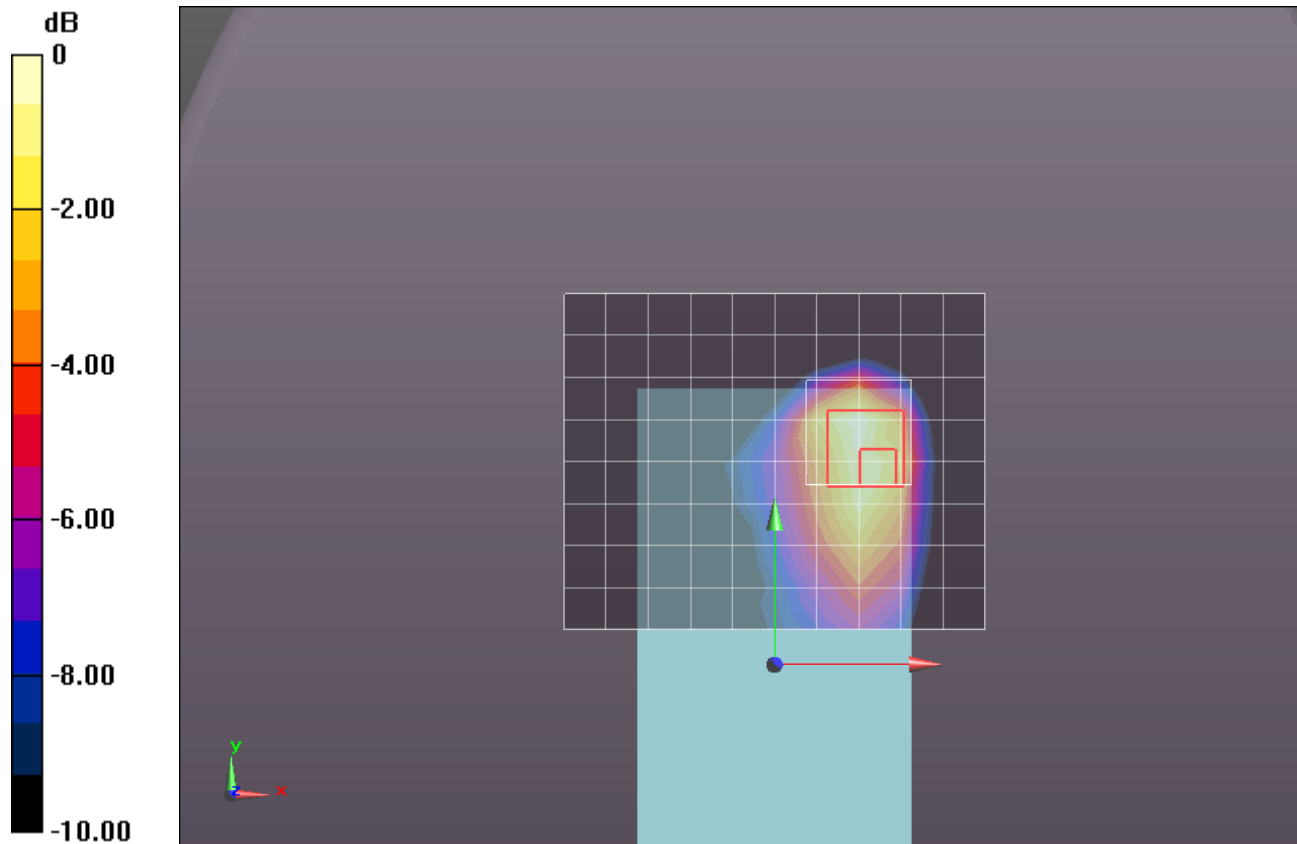
Reference Value = 18.425 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.245 W/kg**

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

Maximum value of SAR (measured) = 0.708 W/kg



0 dB = 0.708 W/kg = -1.50 dBW/kg

## Wi-Fi 5 GHz

Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5620$  MHz;  $\sigma = 5.068$  S/m;  $\epsilon_r = 36.797$ ;  $\rho = 1000$  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: 2/17/2014
- Probe: EX3DV4 - SN3901; ConvF(4.45, 4.45, 4.45); Calibrated: 2/25/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**RHS/Touch\_802.11a\_Ch 124/Area Scan (10x20x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.648 W/kg

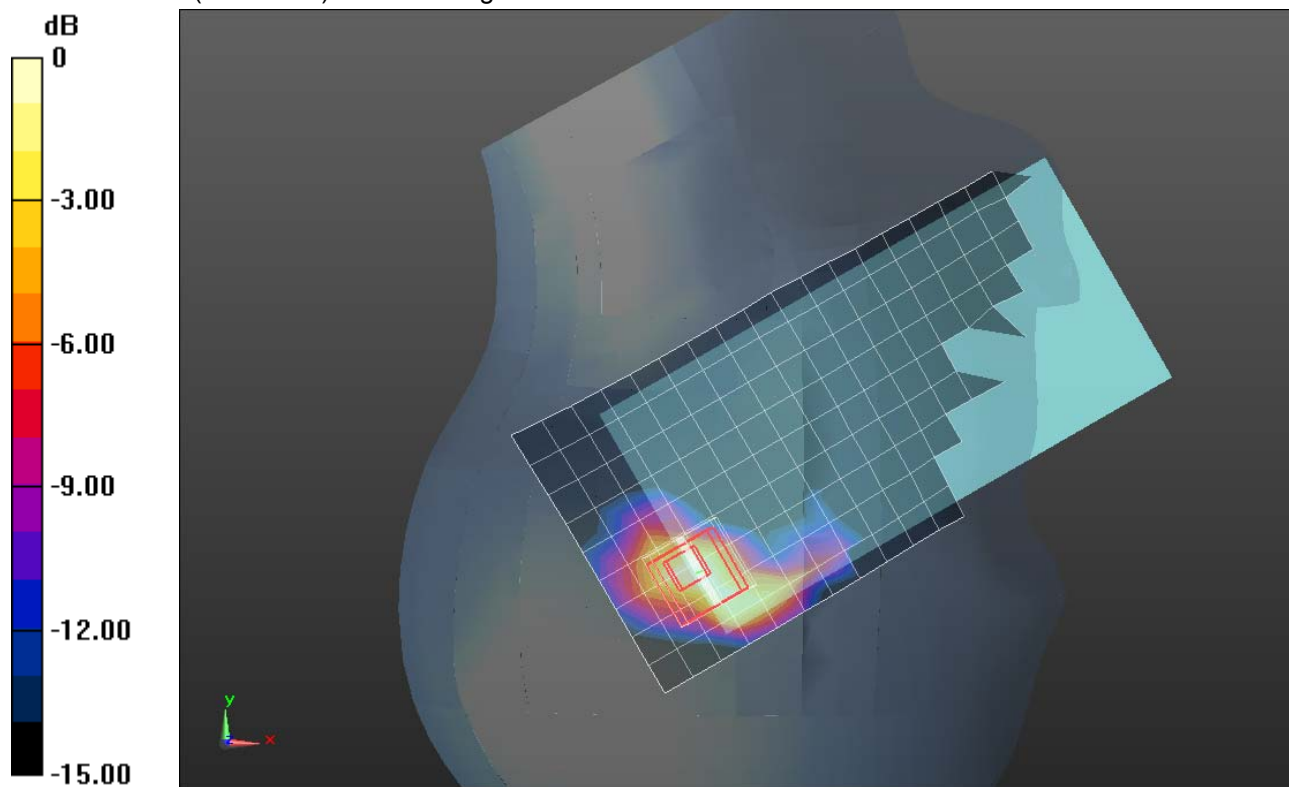
**RHS/Touch\_802.11a\_Ch 124/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.961 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.50 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg = -1.63 dBW/kg

## Wi-Fi 5 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;  $\sigma = 4.627$  S/m;  $\epsilon_r = 36.469$ ;  $\rho = 1000$  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: 4/15/2014
- Probe: EX3DV4 - SN3885; ConvF(4.92, 4.92, 4.92); Calibrated: 9/18/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1727

**RHS/Touch\_802.11a\_Ch 48/Area Scan (10x20x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.897 W/kg

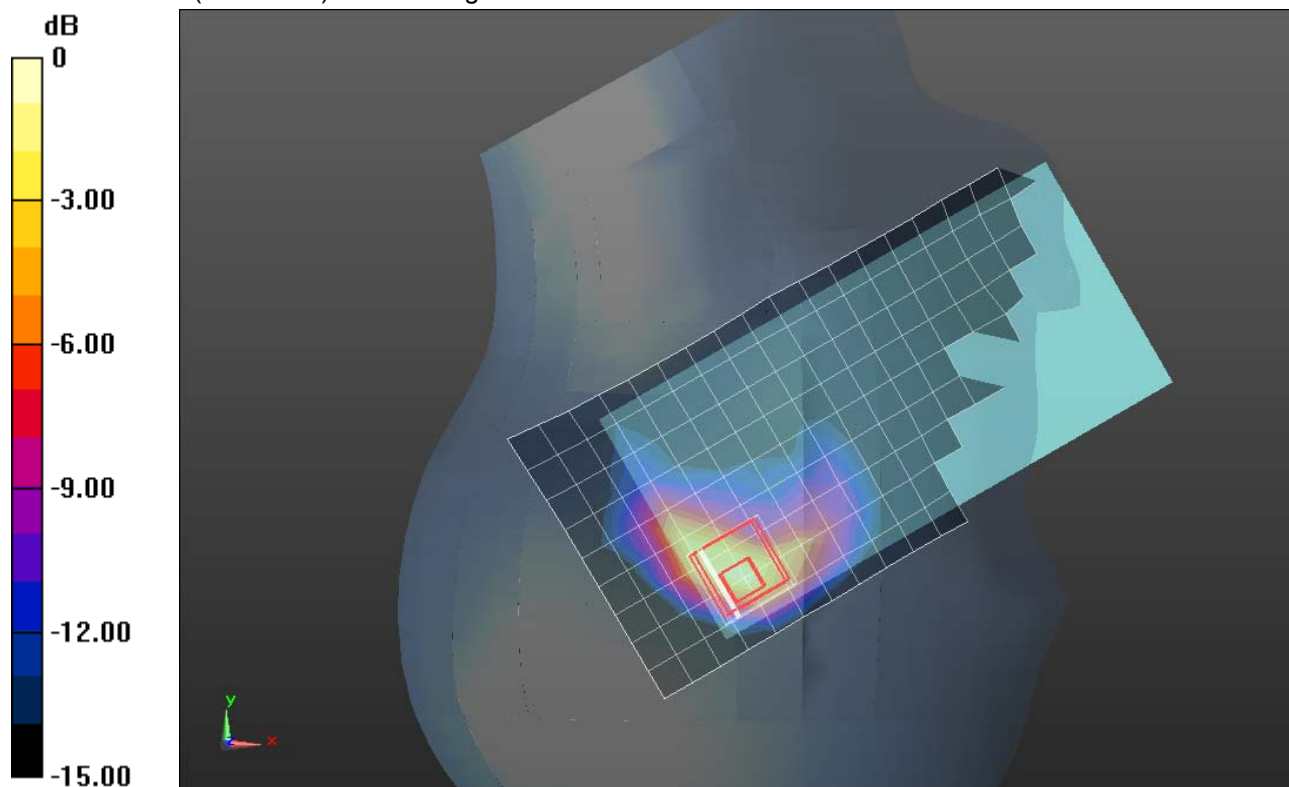
**RHS/Touch\_802.11a\_Ch 48/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.181 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.158 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

## Wi-Fi 5 GHz

Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.646$  S/m;  $\epsilon_r = 36.426$ ;  $\rho = 1000$  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: 4/15/2014
- Probe: EX3DV4 - SN3885; ConvF(4.71, 4.71, 4.71); Calibrated: 9/18/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1727

**RHS/Touch\_802.11a\_Ch 52/Area Scan (10x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.04 W/kg

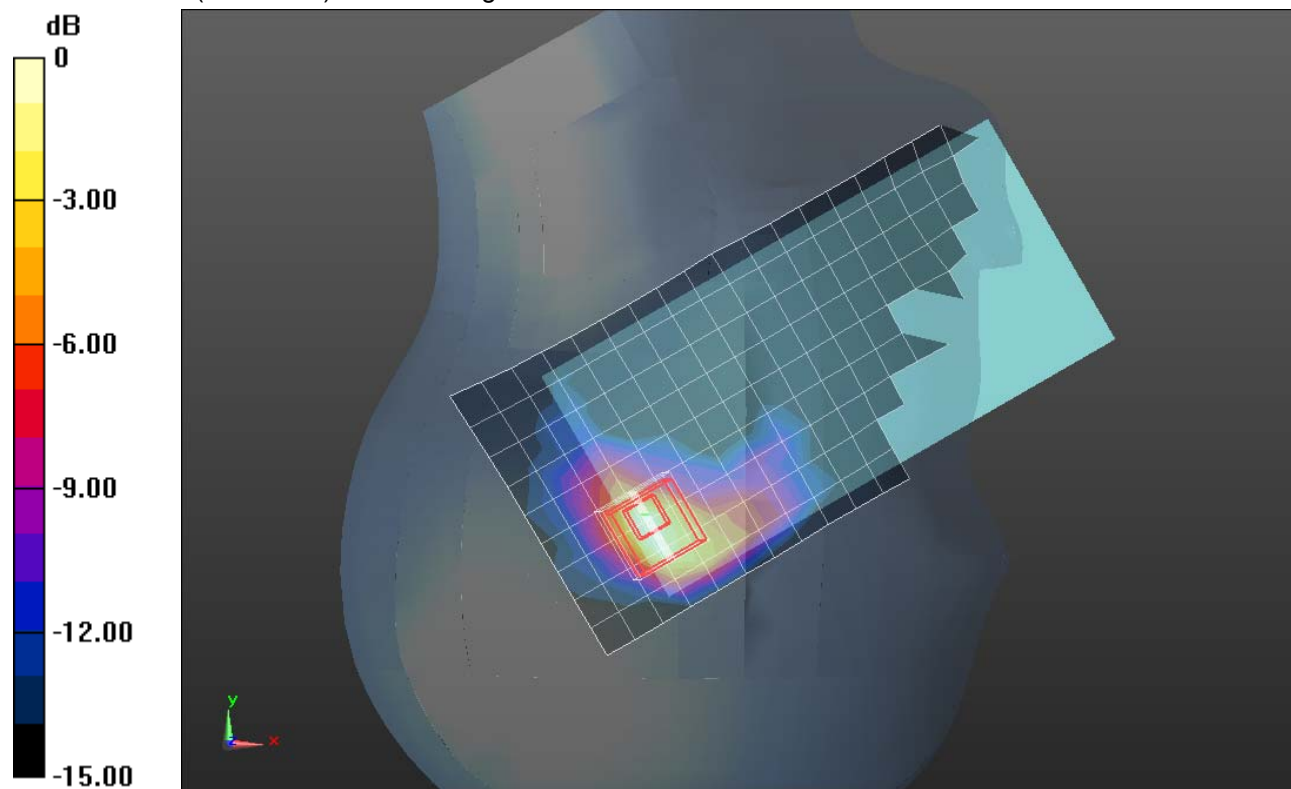
**RHS/Touch\_802.11a\_Ch 52/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.181 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.872 W/kg



0 dB = 0.872 W/kg = -0.59 dBW/kg

## Wi-Fi 5 GHz

Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.169$  S/m;  $\epsilon_r = 35.69$ ;  $\rho = 1000$  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: 4/15/2014
- Probe: EX3DV4 - SN3885; ConvF(4.4, 4.4, 4.4); Calibrated: 9/18/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1727

**RHS/Touch\_802.11a\_Ch 157/Area Scan (10x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.711 W/kg

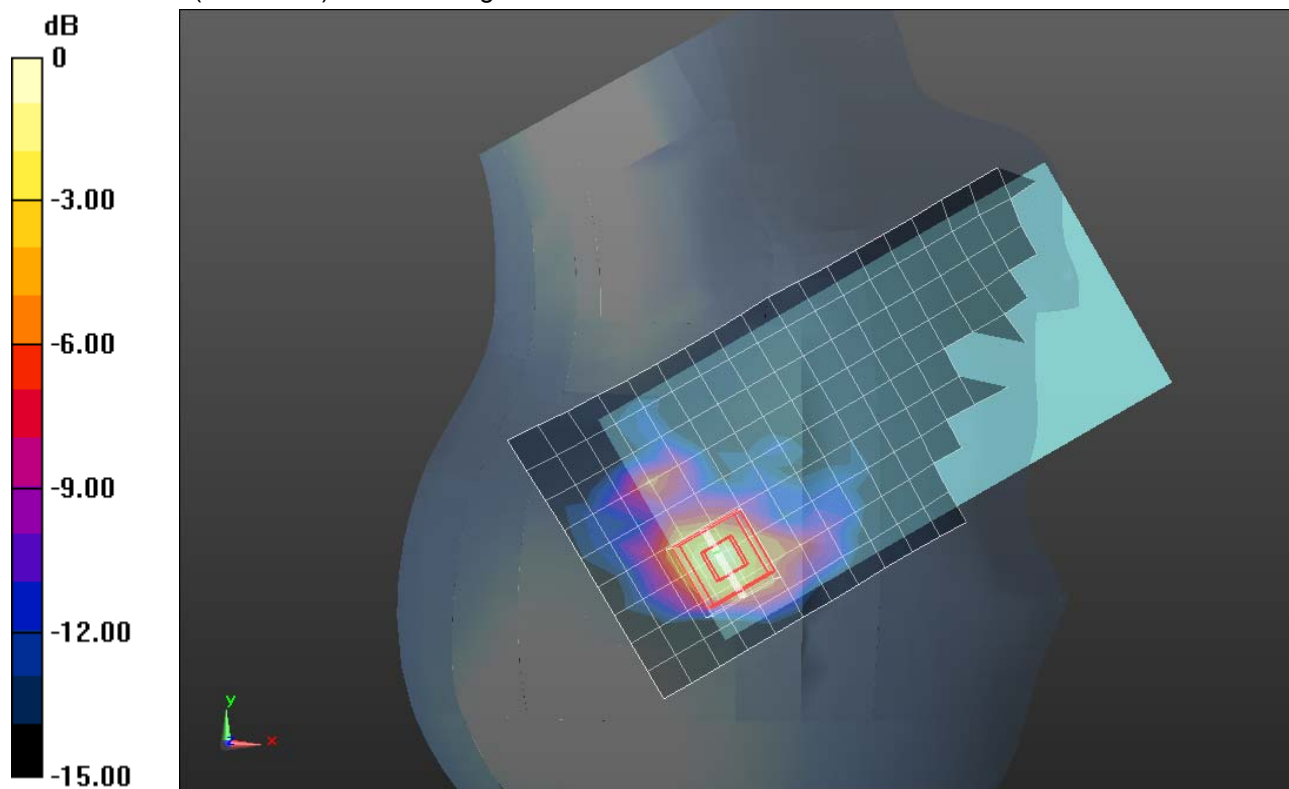
**RHS/Touch\_802.11a\_Ch 157/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.200 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.155 W/kg**

Maximum value of SAR (measured) = 0.937 W/kg



0 dB = 0.937 W/kg = -0.28 dBW/kg

## Wi-Fi 5 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;  $\sigma = 5.433$  S/m;  $\epsilon_r = 48.34$ ;  $\rho = 1000$  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: 2/17/2014
- Probe: EX3DV4 - SN3901; ConvF(4.4, 4.4, 4.4); Calibrated: 2/25/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: QD OVA 002 AA; Serial: 1180

**Rear/802.11a\_Ch 48/Area Scan (13x11x1):** Measurement grid: dx=10mm, dy=10mm

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

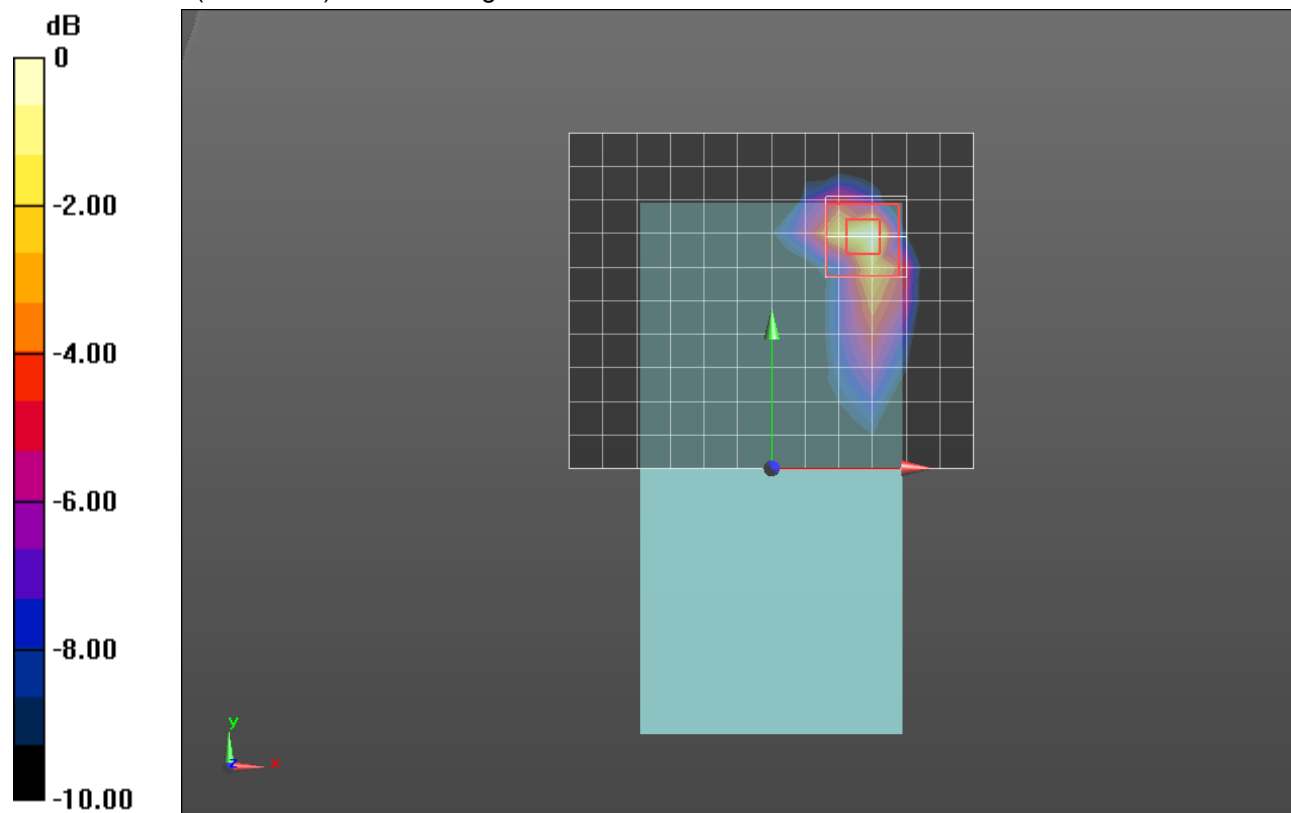
**Rear/802.11a\_Ch 48/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.250 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.02 W/kg

**SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.117 W/kg**

Maximum value of SAR (measured) = 0.966 W/kg



0 dB = 0.966 W/kg = -0.15 dBW/kg

## Wi-Fi 5 GHz\_Body

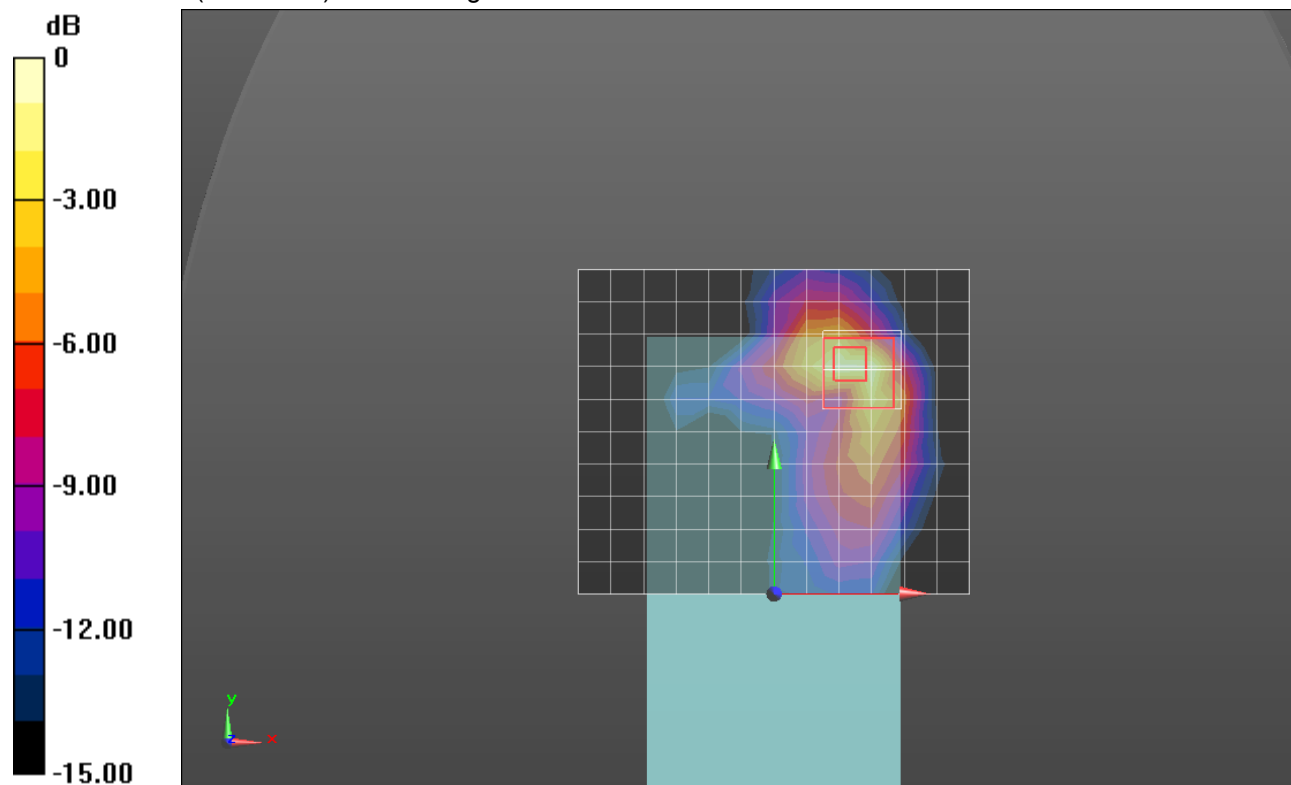
Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5520$  MHz;  $\sigma = 5.842$  S/m;  $\epsilon_r = 48.688$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 2/17/2014
- Probe: EX3DV4 - SN3901; ConvF(3.92, 3.92, 3.92); Calibrated: 2/25/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: QD OVA 002 AA; Serial: 1180

**Rear/802.11a\_Ch 104/Area Scan (13x11x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.961 W/kg

**Rear/802.11a\_Ch 104/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 12.364 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 2.20 W/kg  
**SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.146 W/kg**  
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

## Wi-Fi 5 GHz

Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.466$  S/m;  $\epsilon_r = 48.306$ ;  $\rho = 1000$  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: 2/17/2014
- Probe: EX3DV4 - SN3901; ConvF(4.15, 4.15, 4.15); Calibrated: 2/25/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: QD OVA 002 AA; Serial: 1180

**Rear/802.11a\_Ch 52/Area Scan (13x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.648 W/kg

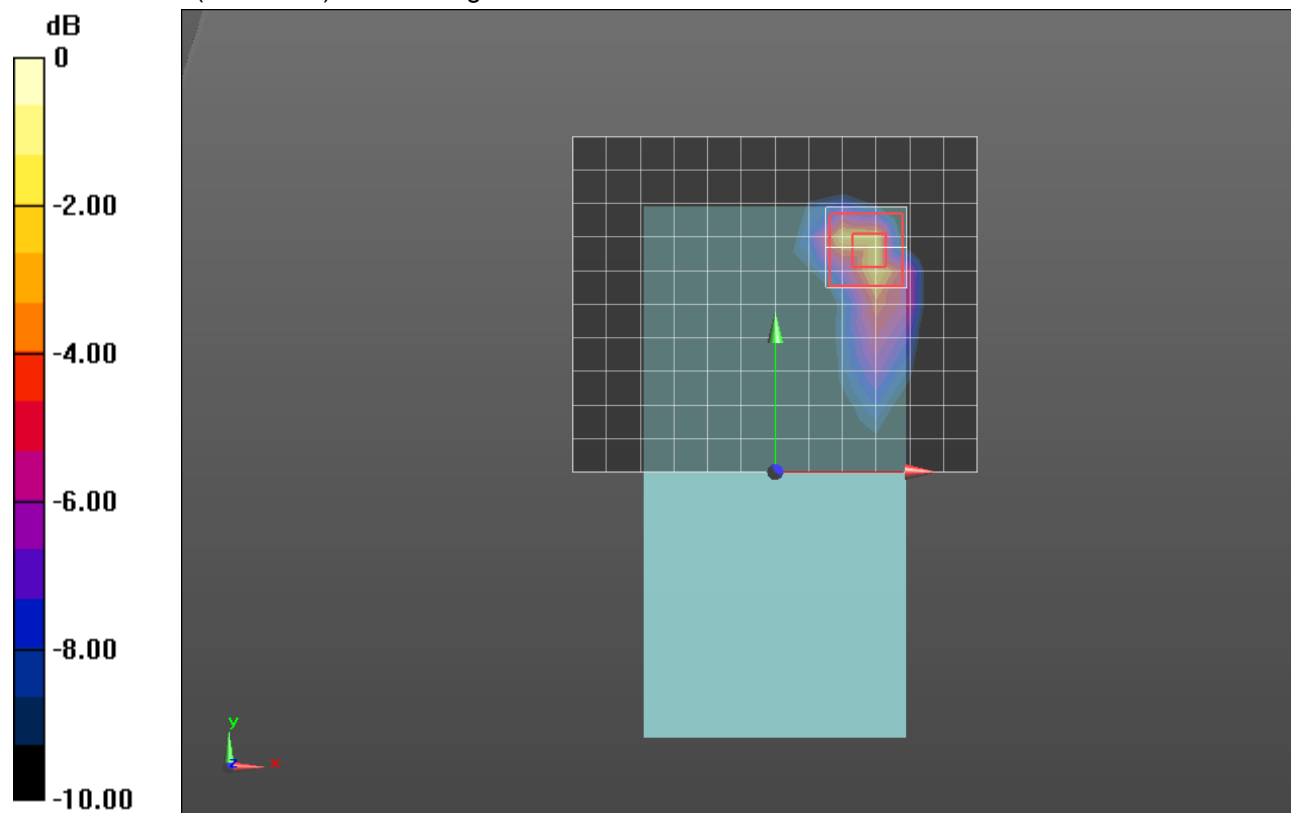
**Rear/802.11a\_Ch 52/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.601 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.24 W/kg

**SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.135 W/kg**

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



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

## Wi-Fi 5 GHz

Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.899$  S/m;  $\epsilon_r = 46.944$ ;  $\rho = 1000$  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: 4/15/2014
- Probe: EX3DV4 - SN3885; ConvF(3.86, 3.86, 3.86); Calibrated: 9/18/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Rear/802.11a\_Ch 157/Area Scan (13x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.846 W/kg

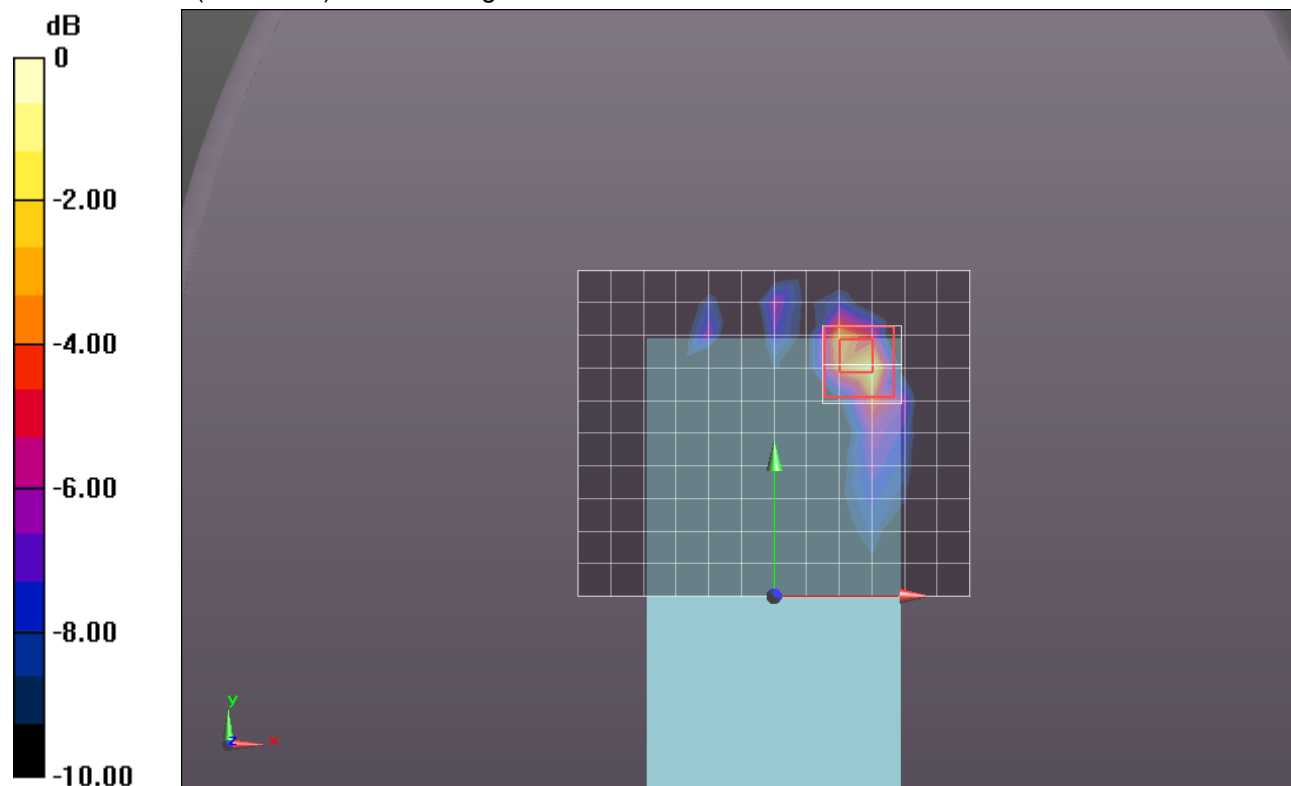
**Rear/802.11a\_Ch 157/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.679 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.139 W/kg**

Maximum value of SAR (measured) = 0.980 W/kg



0 dB = 0.980 W/kg = -0.09 dBW/kg