

20130805_SystemPerformanceCheck-D2450V2 SN 899

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.935$ S/m; $\epsilon_r = 50.875$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(6.66, 6.66, 6.66); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

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

Reference Value = 63.182 V/m; Power Drift = 0.00 dB

Fast SAR: SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (interpolated) = 7.90 W/kg

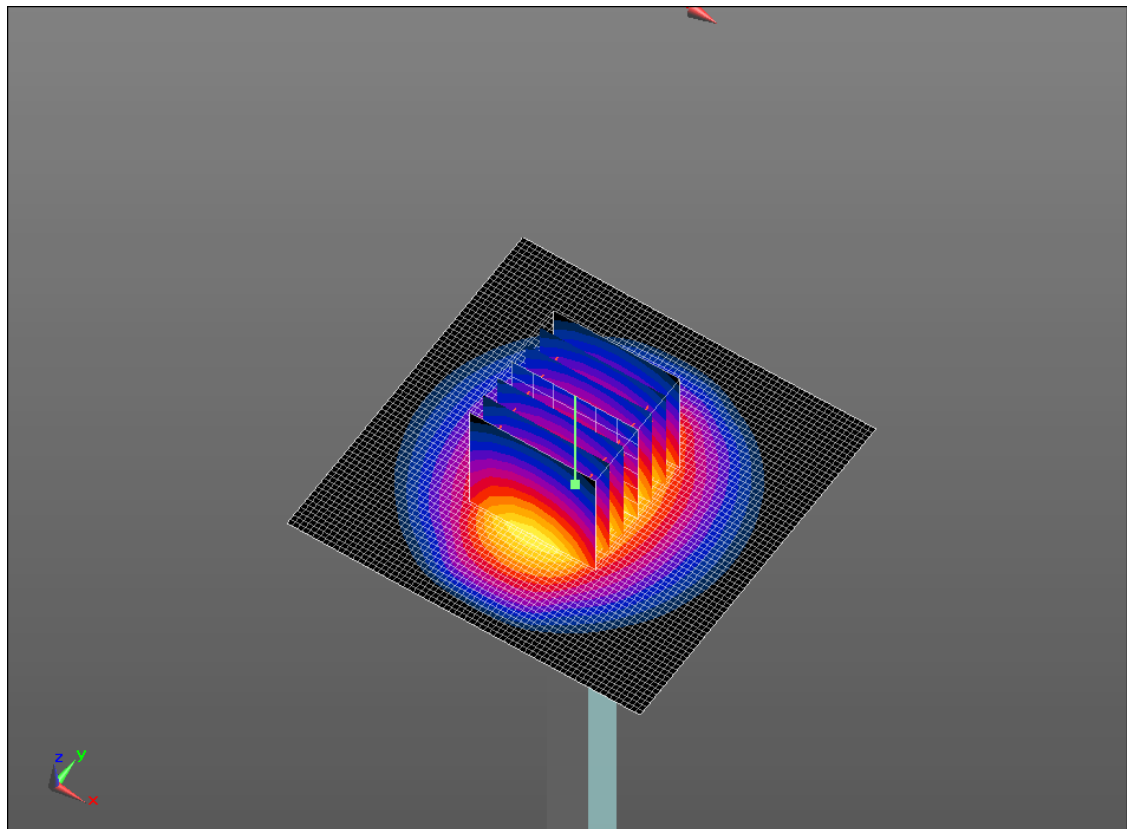
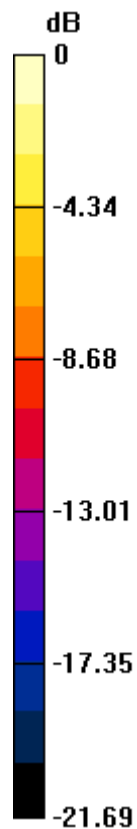
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.182 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 7.84 W/kg



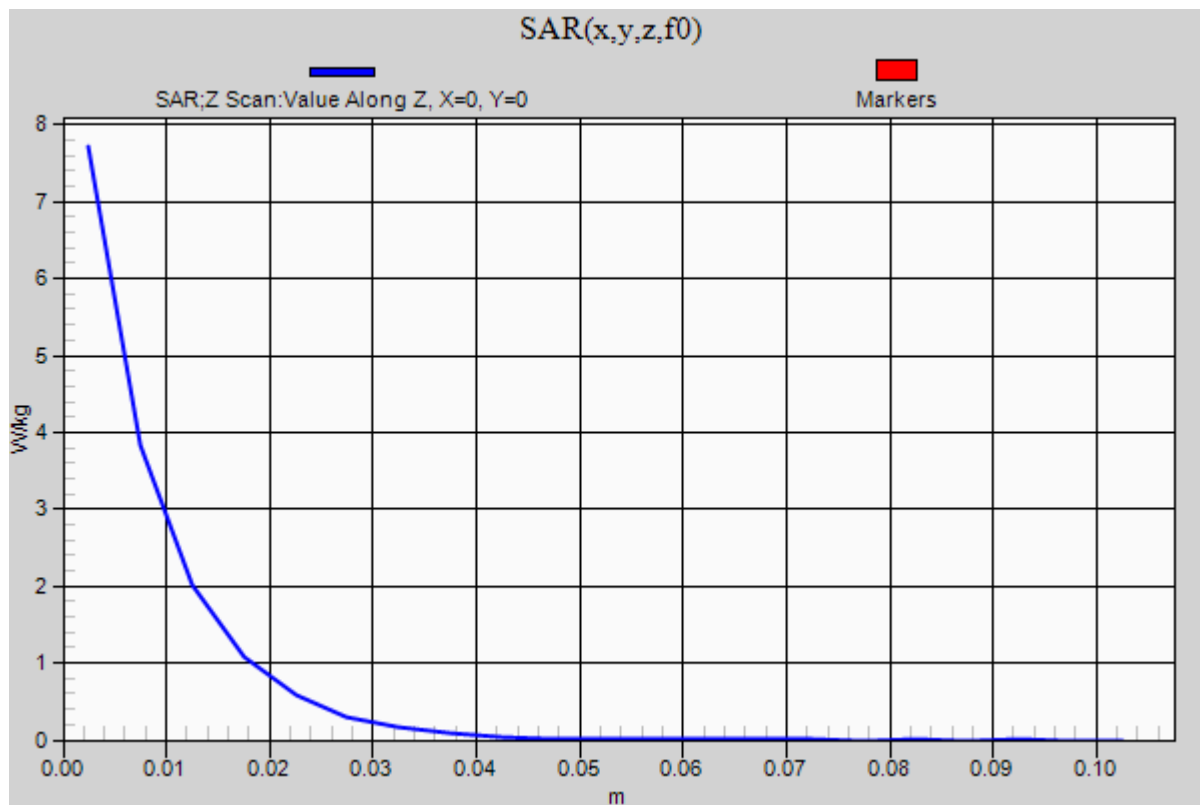
0 dB = 7.84 W/kg = 8.94 dBW/kg

20130805_SystemPerformanceCheck-D2450V2 SN 899

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) = 7.71 W/kg



20130813_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: $f = 750 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 42.31$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(9.53, 9.53, 9.53); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

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

Reference Value = 33.022 V/m; Power Drift = -0.06 dB

Fast SAR: SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.546 W/kg

Maximum value of SAR (interpolated) = 0.951 W/kg

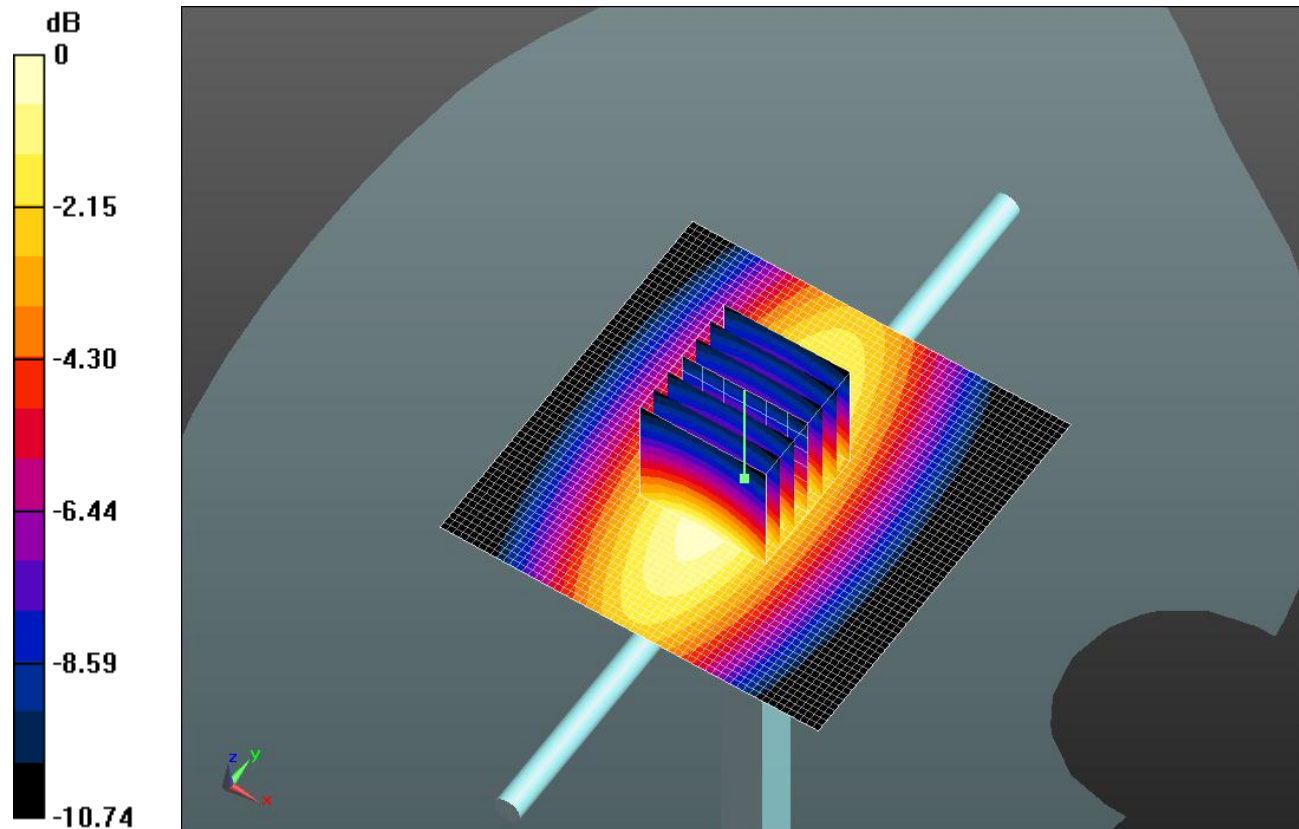
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.022 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.515 W/kg

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



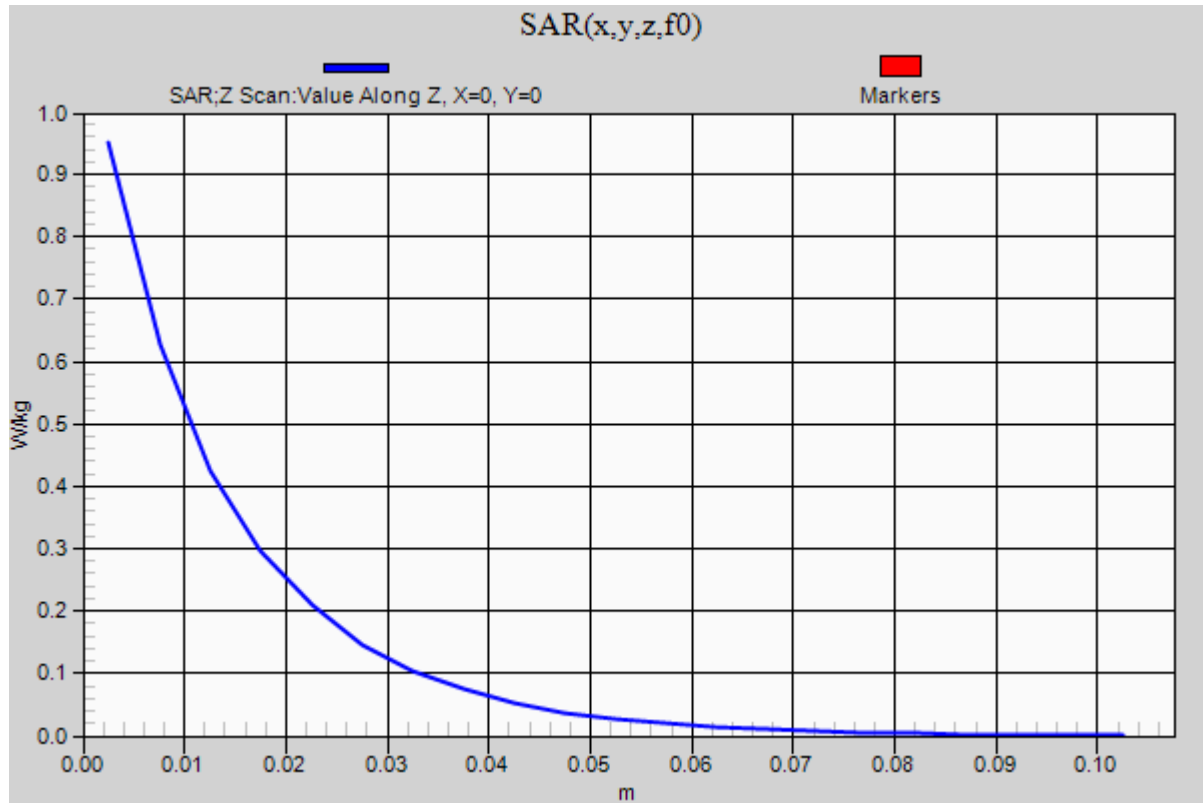
0 dB = 0.966 W/kg = -0.15 dBW/kg

20130813_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) = 0.951 W/kg



20130815_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.768$ S/m; $\epsilon_r = 47.23$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.62, 3.62, 3.62); Calibrated: 6/24/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

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

Reference Value = 36.744 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 7.8 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (interpolated) = 20.9 W/kg

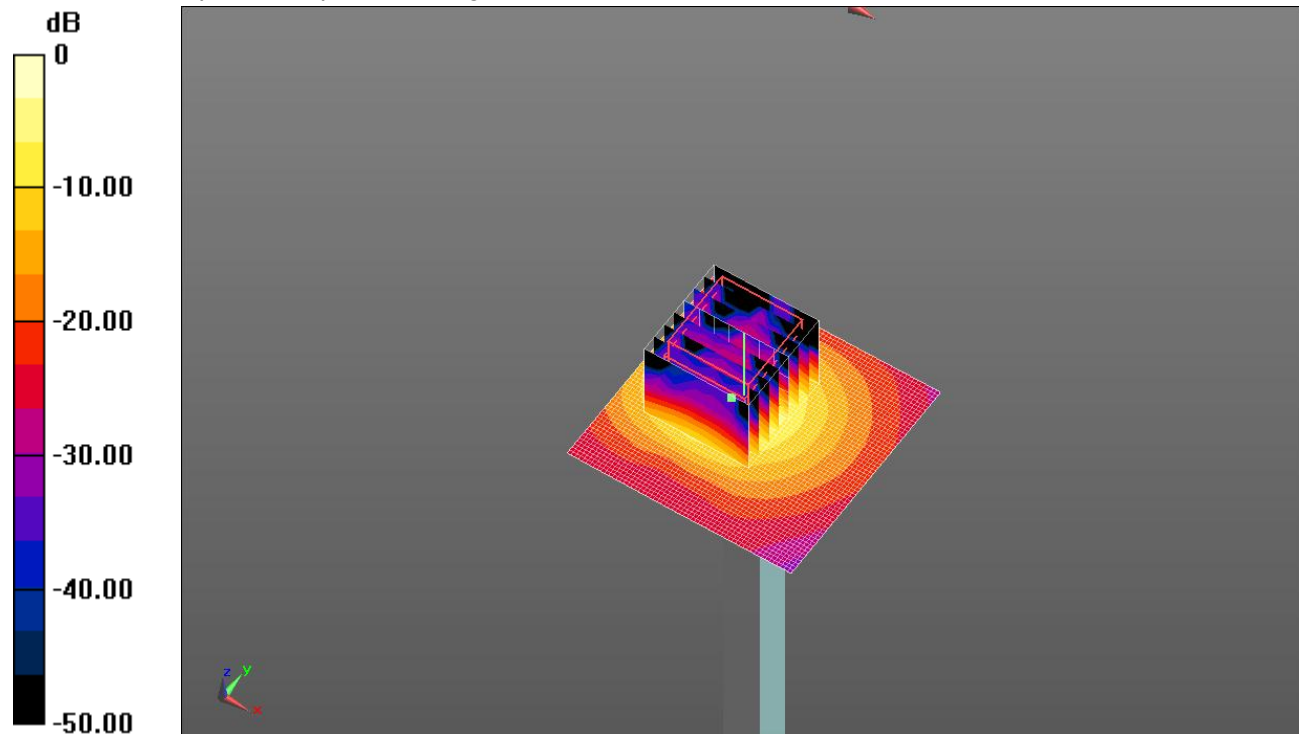
Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.744 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 36.5 W/kg

SAR(1 g) = 8.42 W/kg; SAR(10 g) = 2.36 W/kg

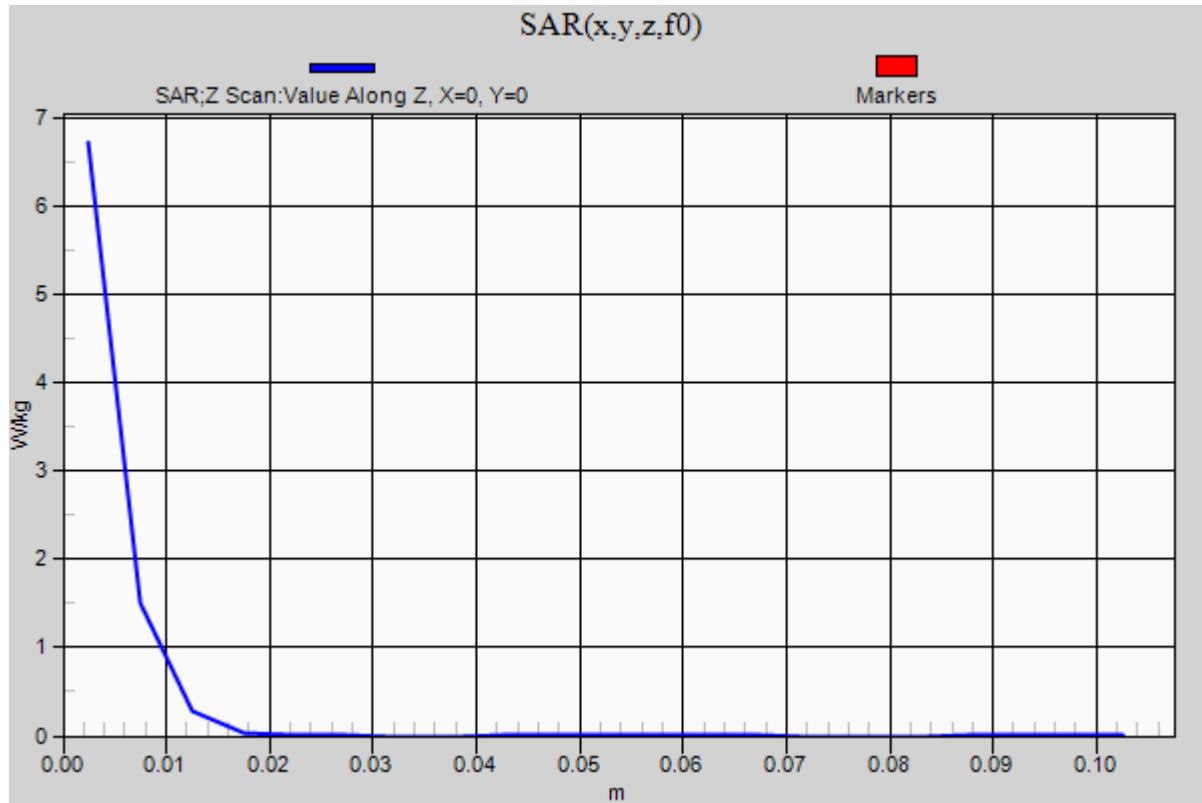
Maximum value of SAR (measured) = 20.3 W/kg



0 dB = 20.3 W/kg = 13.07 dBW/kg

20130815_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/5.6 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 6.71 W/kg

20130816_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.496$ S/m; $\epsilon_r = 37.258$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(4.83, 4.83, 4.83); Calibrated: 6/24/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

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

Reference Value = 59.066 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 8 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (interpolated) = 20.5 W/kg

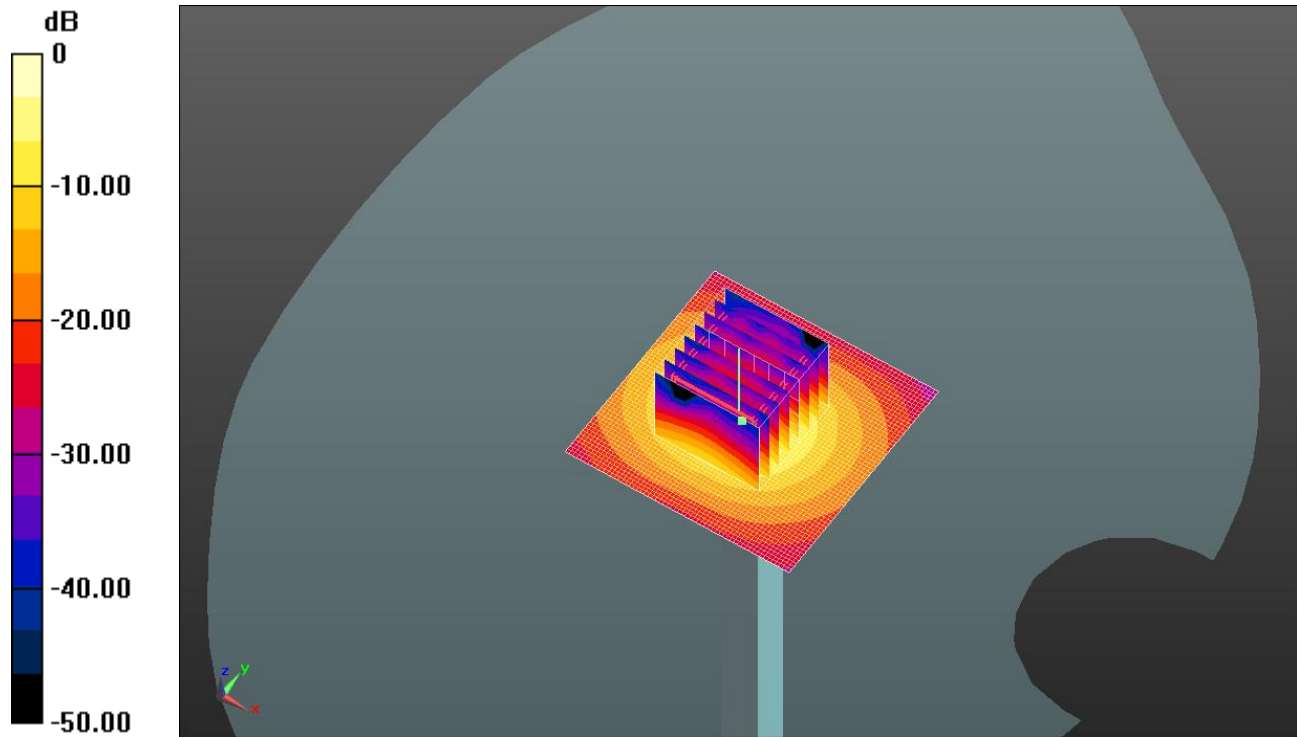
Head/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 59.066 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 34.0 W/kg

SAR(1 g) = 8.53 W/kg; SAR(10 g) = 2.46 W/kg

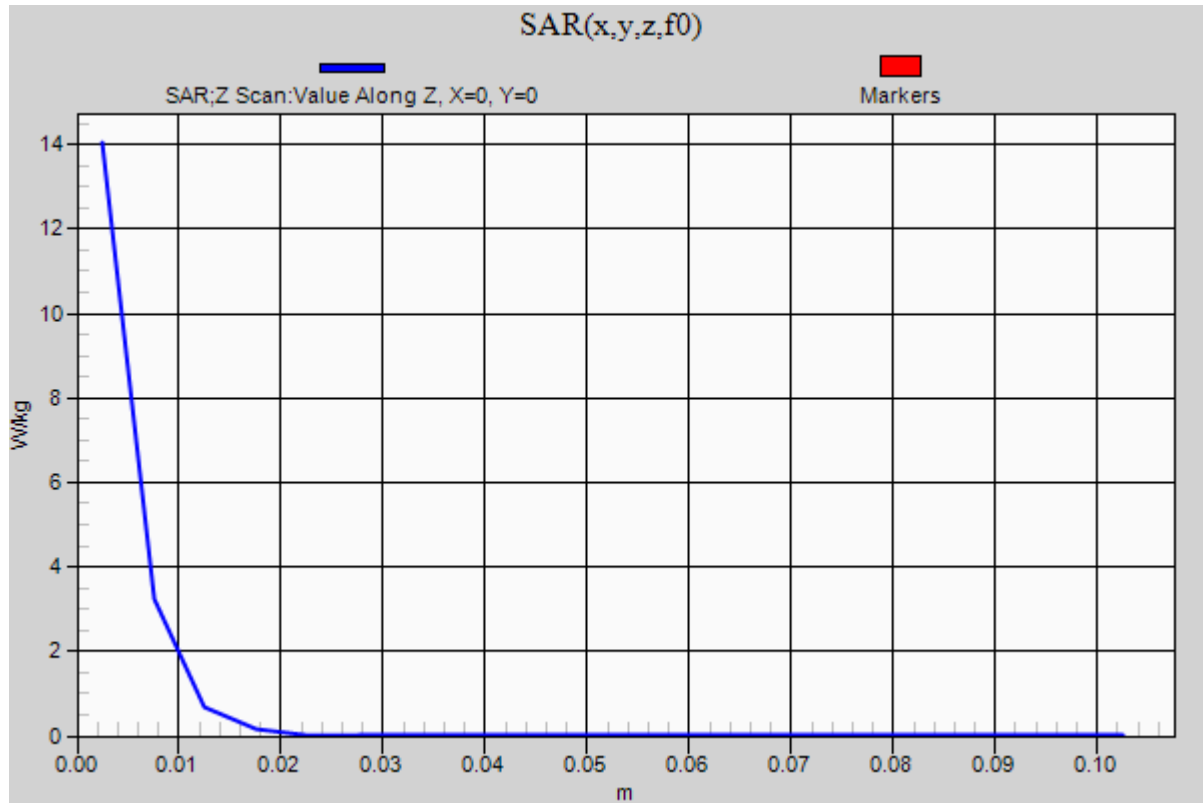
Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 19.8 W/kg = 12.97 dBW/kg

20130816_SystemPerformanceCheck-D5GHzV2 SN 1138

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) = 14.0 W/kg

20130816_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.785$ S/m; $\epsilon_r = 36.873$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(4.56, 4.56, 4.56); Calibrated: 6/24/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

Head/5.5 GHz, Pin=100mW/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 58.640 V/m; Power Drift = 0.09 dB

Fast SAR: SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.27 W/kg

Maximum value of SAR (interpolated) = 22.1 W/kg

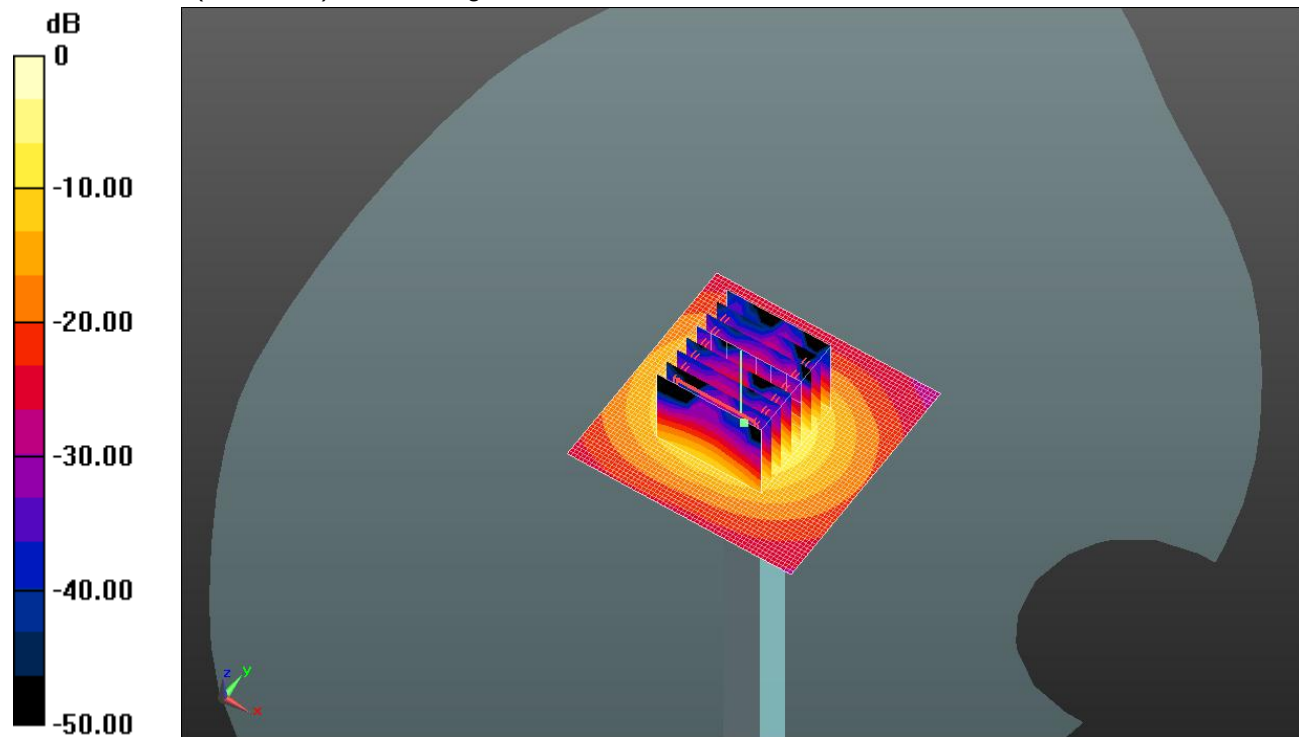
Head/5.5 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.640 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 36.3 W/kg

SAR(1 g) = 8.85 W/kg; SAR(10 g) = 2.51 W/kg

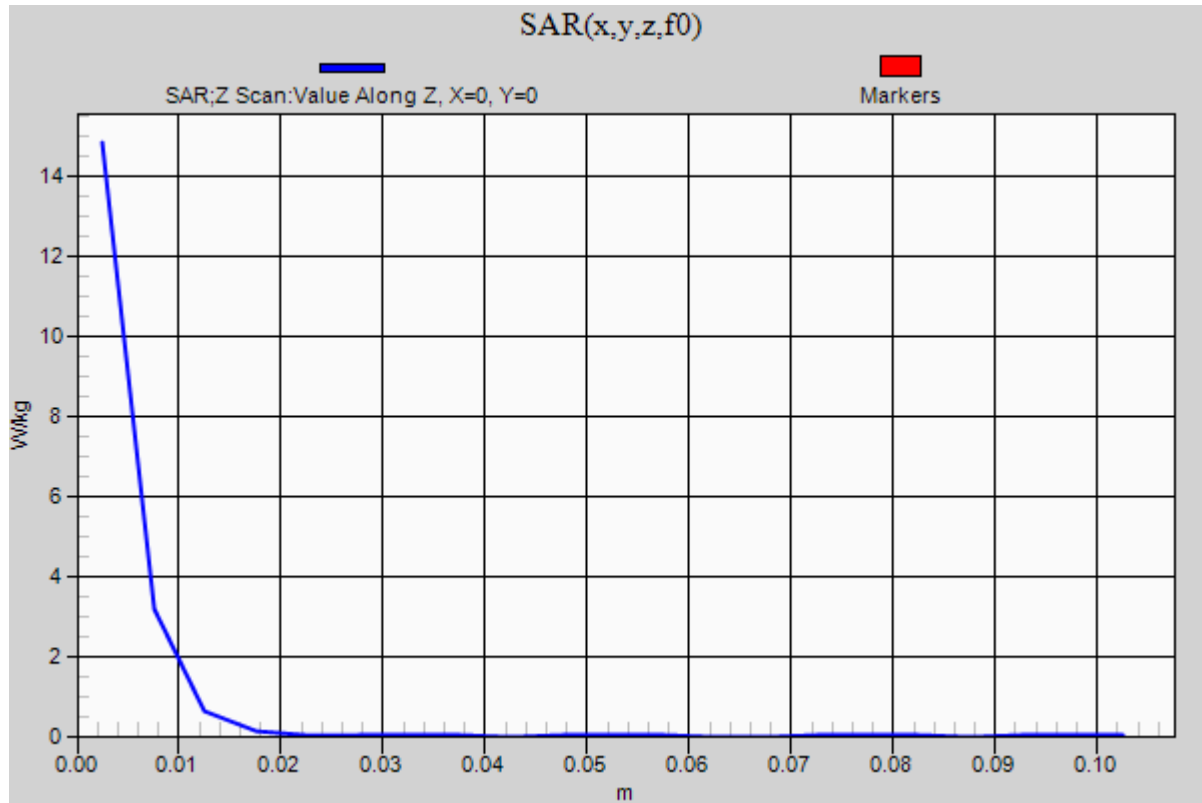
Maximum value of SAR (measured) = 21.0 W/kg



0 dB = 21.0 W/kg = 13.22 dBW/kg

20130816_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5500 MHz; Duty Cycle: 1:1

Head/5.5 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 14.8 W/kg

20130816_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.111$ S/m; $\epsilon_r = 36.45$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(4.2, 4.2, 4.2); Calibrated: 6/24/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

Head/5.8 GHz, Pin=100mW/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 56.007 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.17 W/kg

Maximum value of SAR (interpolated) = 21.7 W/kg

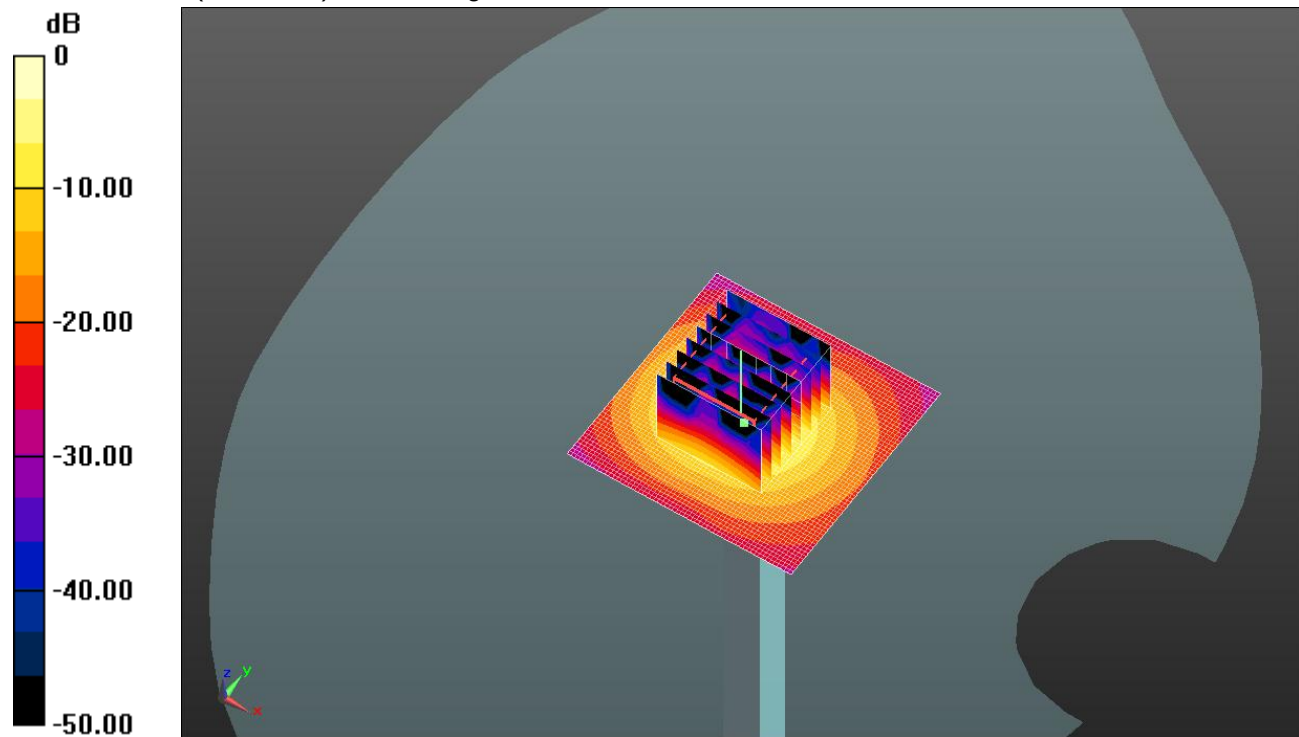
Head/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 56.007 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 36.1 W/kg

SAR(1 g) = 8.54 W/kg; SAR(10 g) = 2.44 W/kg

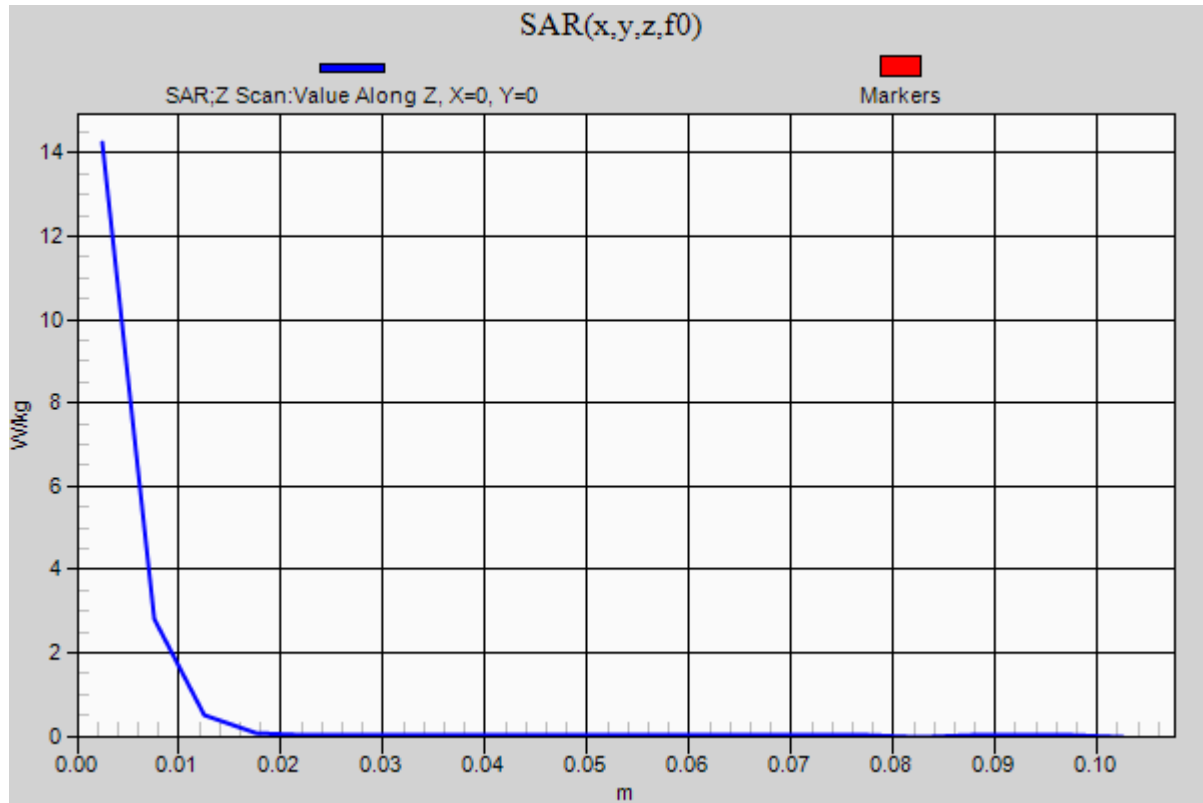
Maximum value of SAR (measured) = 20.6 W/kg



0 dB = 20.6 W/kg = 13.14 dBW/kg

20130816_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5800 MHz; Duty Cycle: 1:1

Head/5.8 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 14.2 W/kg

20130807_SystemPerformanceCheck-D1900V2 SN 5d043

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.525$ S/m; $\epsilon_r = 51.269$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(6.93, 6.93, 6.93); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

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

Reference Value = 36.251 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (interpolated) = 5.53 W/kg

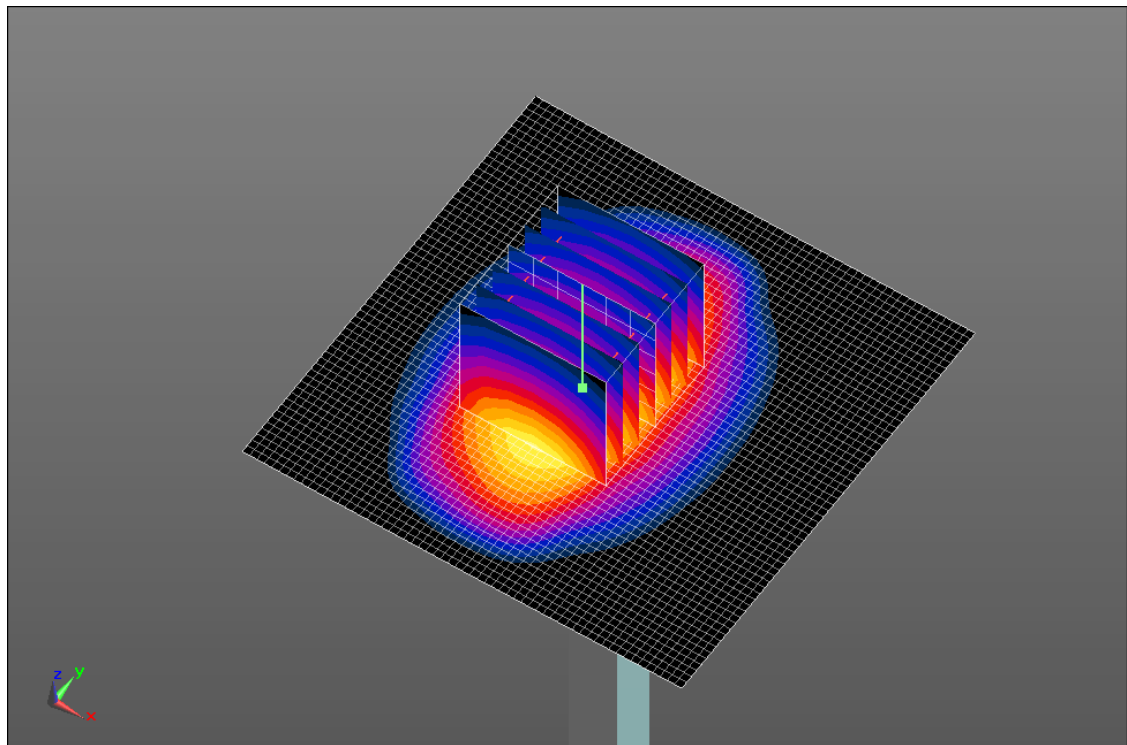
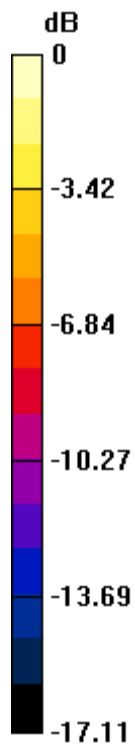
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.251 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.55 W/kg

SAR(1 g) = 4.19 W/kg; SAR(10 g) = 2.17 W/kg

Maximum value of SAR (measured) = 5.65 W/kg



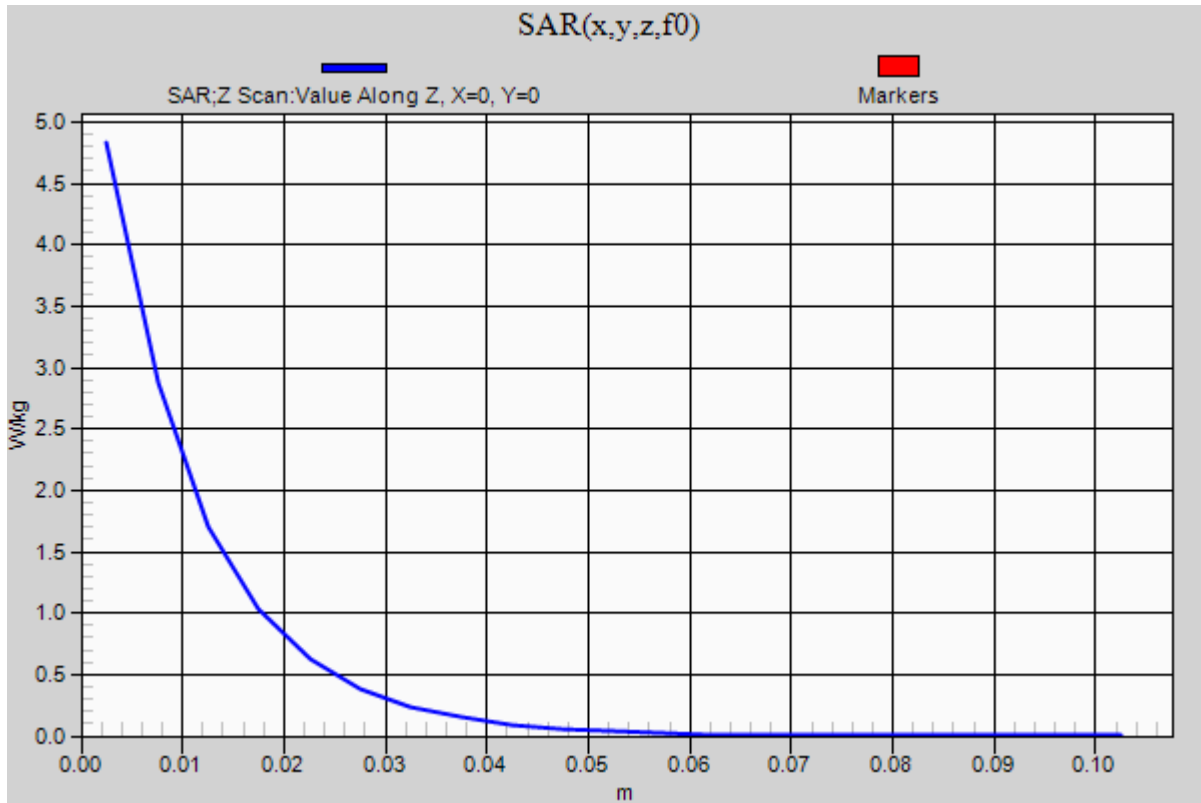
0 dB = 5.65 W/kg = 7.52 dBW/kg

20130807_SystemPerformanceCheck-D1900V2 SN 5d043

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) = 4.83 W/kg



20130809_SystemPerformanceCheck-D835V2 SN 4d002

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 1.008 \text{ S/m}$; $\epsilon_r = 53.139$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(8.78, 8.78, 8.78); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

Body/Pin=100 mW 2/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 34.065 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.684 W/kg

Maximum value of SAR (interpolated) = 1.20 W/kg

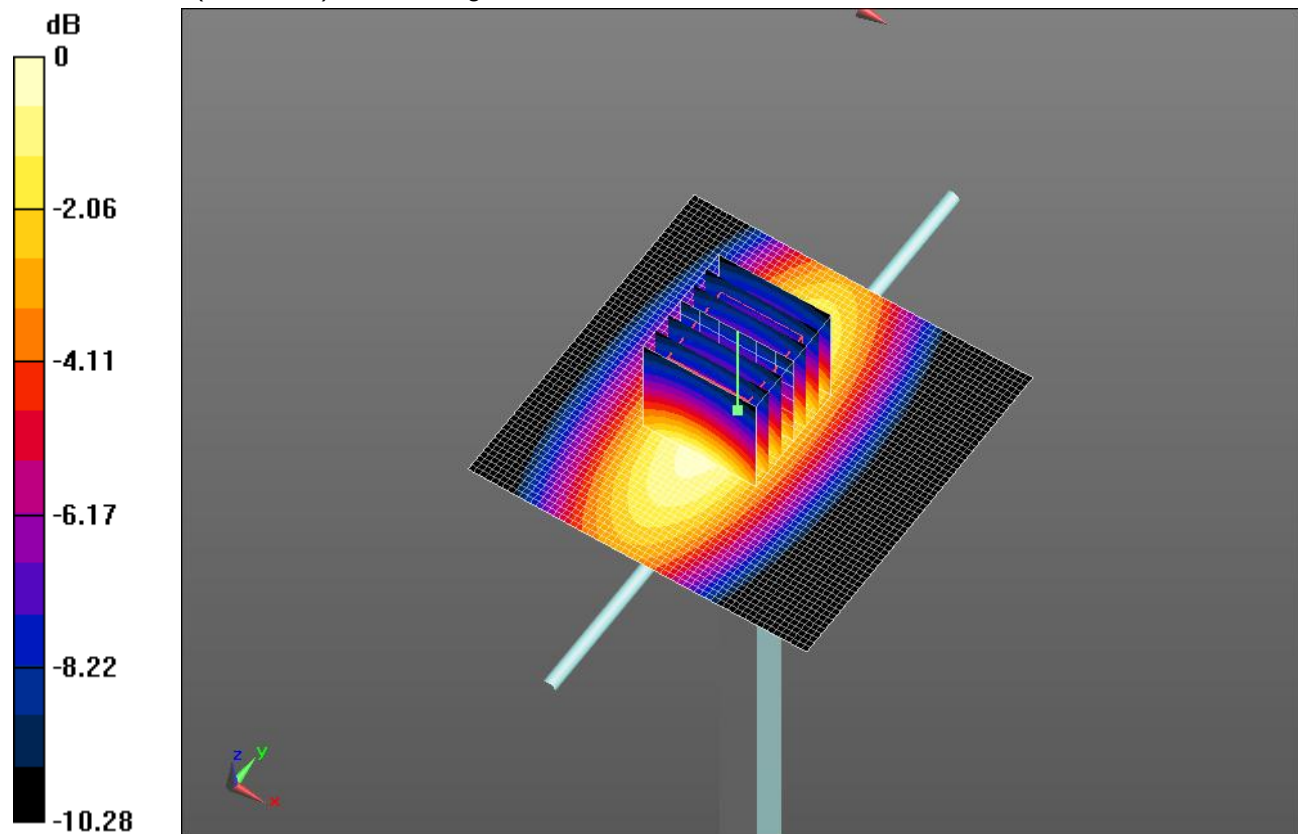
Body/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.065 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.662 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



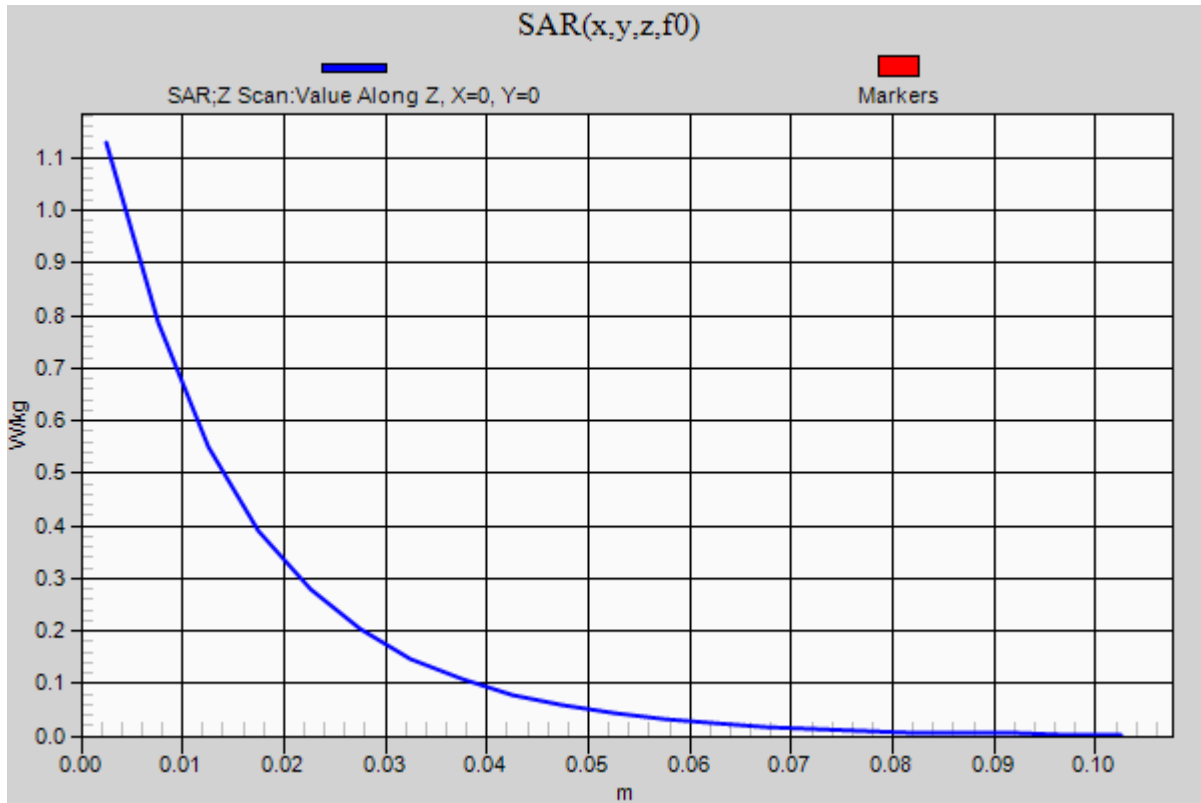
0 dB = 1.22 W/kg = 0.86 dBW/kg

20130809_SystemPerformanceCheck-D835V2 SN 4d002

Frequency: 835 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) = 1.13 W/kg



20130825_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.289$ S/m; $\epsilon_r = 48.439$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(4.39, 4.39, 4.39); Calibrated: 4/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

Body/5.2 GHz, Pin=100mW 2/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 50.391 V/m; Power Drift = -0.06 dB

Fast SAR: SAR(1 g) = 6.95 W/kg; SAR(10 g) = 1.93 W/kg

Maximum value of SAR (interpolated) = 18.1 W/kg

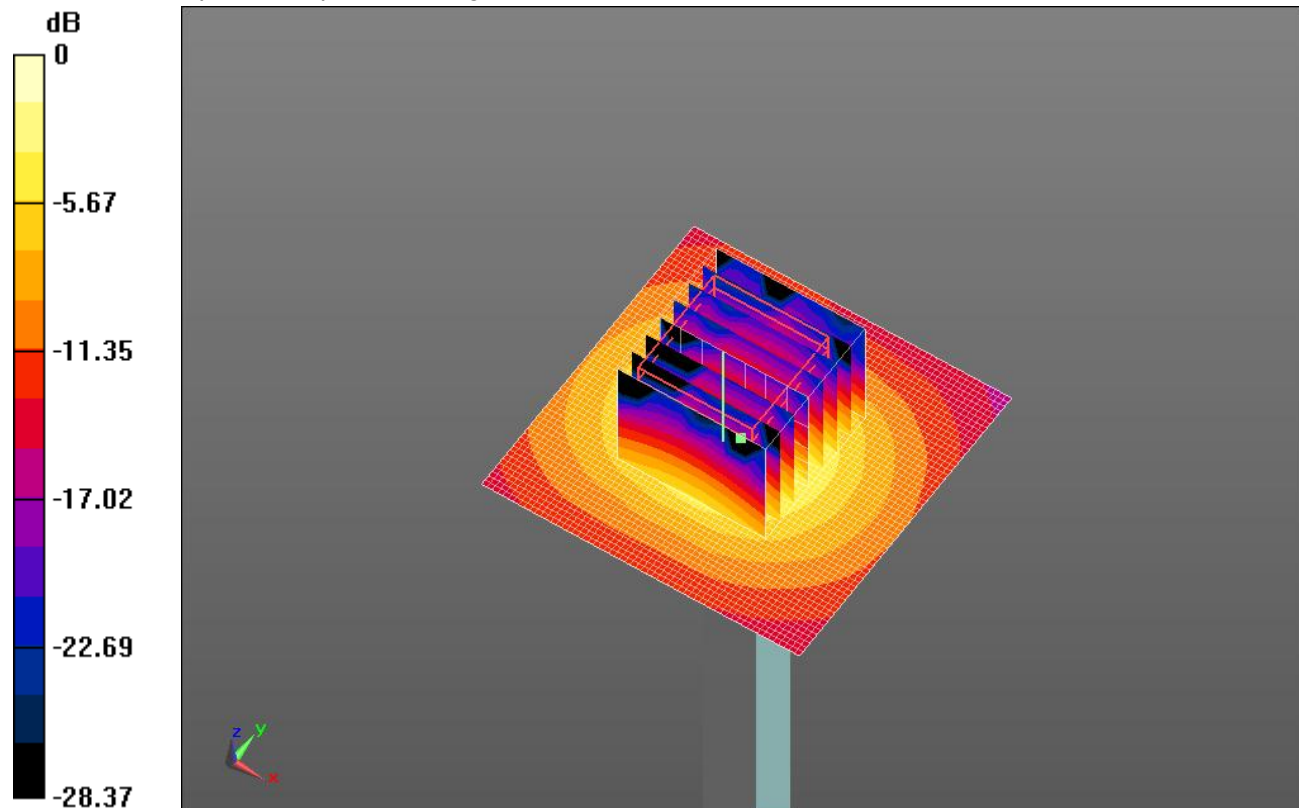
Body/5.2 GHz, Pin=100mW 2/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.391 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 31.5 W/kg

SAR(1 g) = 7.31 W/kg; SAR(10 g) = 2.07 W/kg

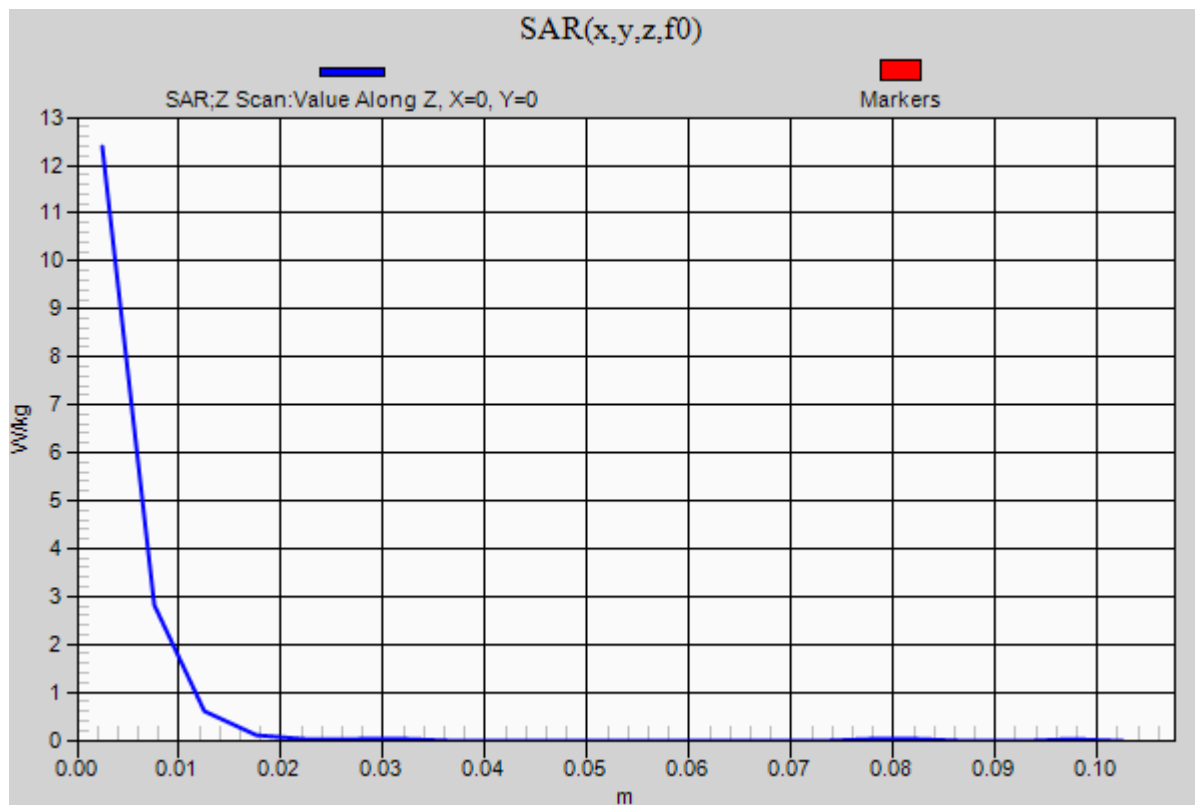
Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 18.1 W/kg = 12.57 dBW/kg

20130825_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5.2 GHz, Pin=100mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.4 W/kg

20130825_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.681$ S/m; $\epsilon_r = 47.954$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(3.87, 3.87, 3.87); Calibrated: 4/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

Body/5.5 GHz, Pin=100mW 2/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 51.948 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 7.44 W/kg; SAR(10 g) = 2.05 W/kg

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

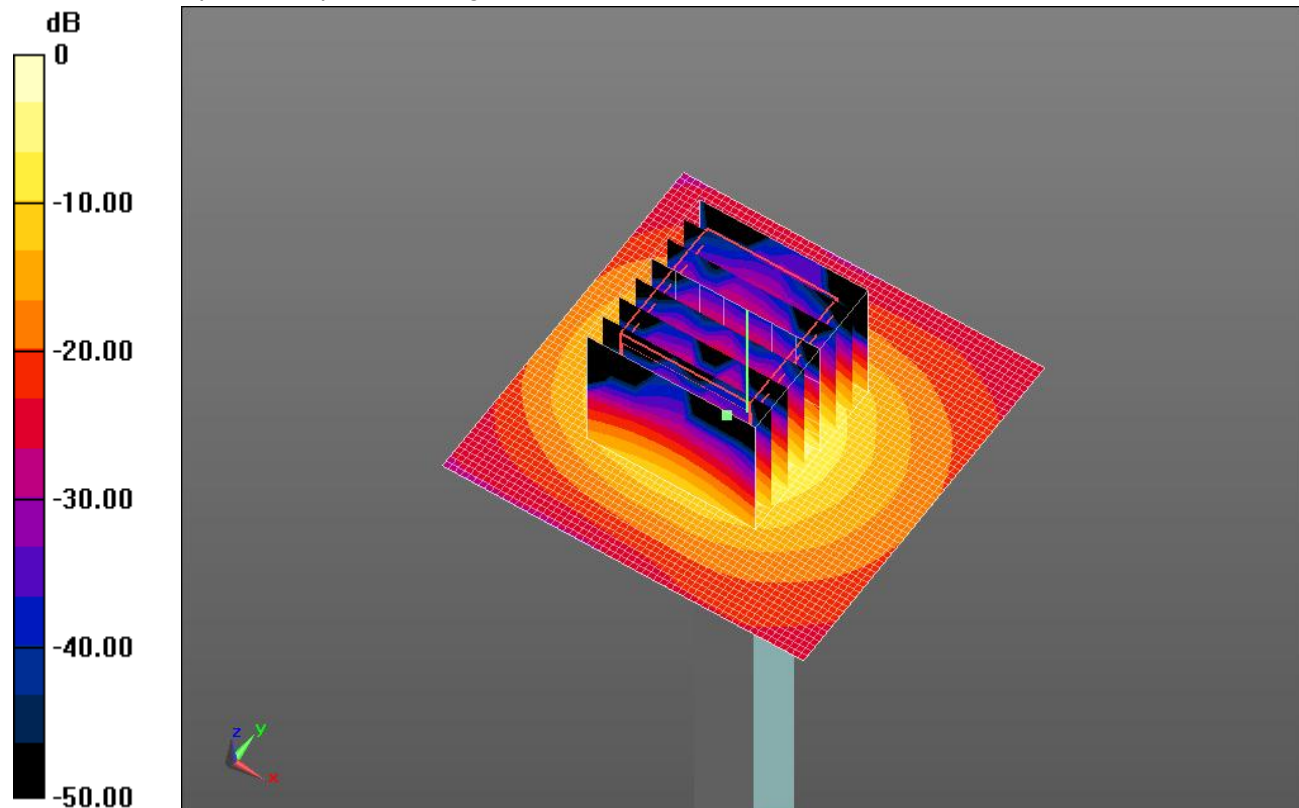
Body/5.5 GHz, Pin=100mW 2/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.948 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 35.1 W/kg

SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.28 W/kg

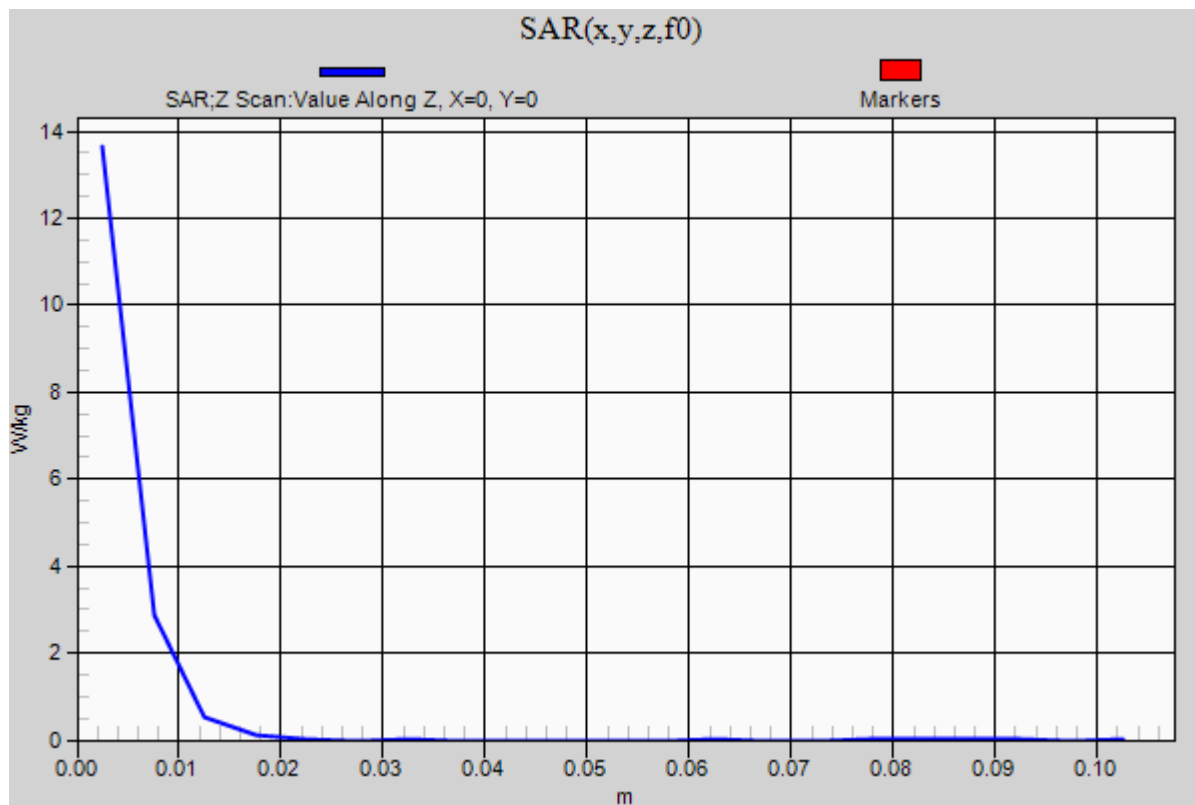
Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg = 12.86 dBW/kg

20130825_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5500 MHz; Duty Cycle: 1:1

Body/5.5 GHz, Pin=100mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.6 W/kg

20130825_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.821$ S/m; $\epsilon_r = 47.747$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(3.79, 3.79, 3.79); Calibrated: 4/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

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

Reference Value = 50.502 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 7.34 W/kg; SAR(10 g) = 2.02 W/kg

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

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

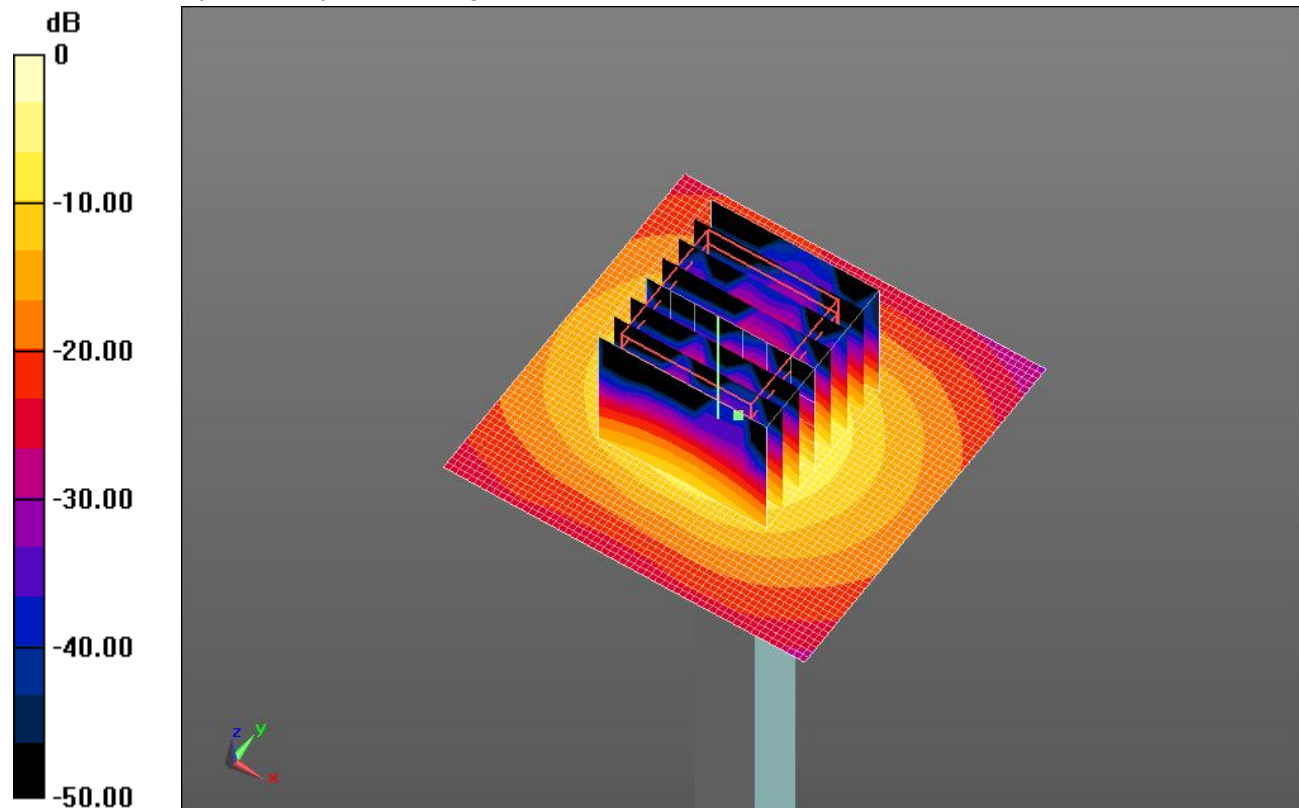
dz=1.4mm

Reference Value = 50.502 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 37.8 W/kg

SAR(1 g) = 8 W/kg; SAR(10 g) = 2.25 W/kg

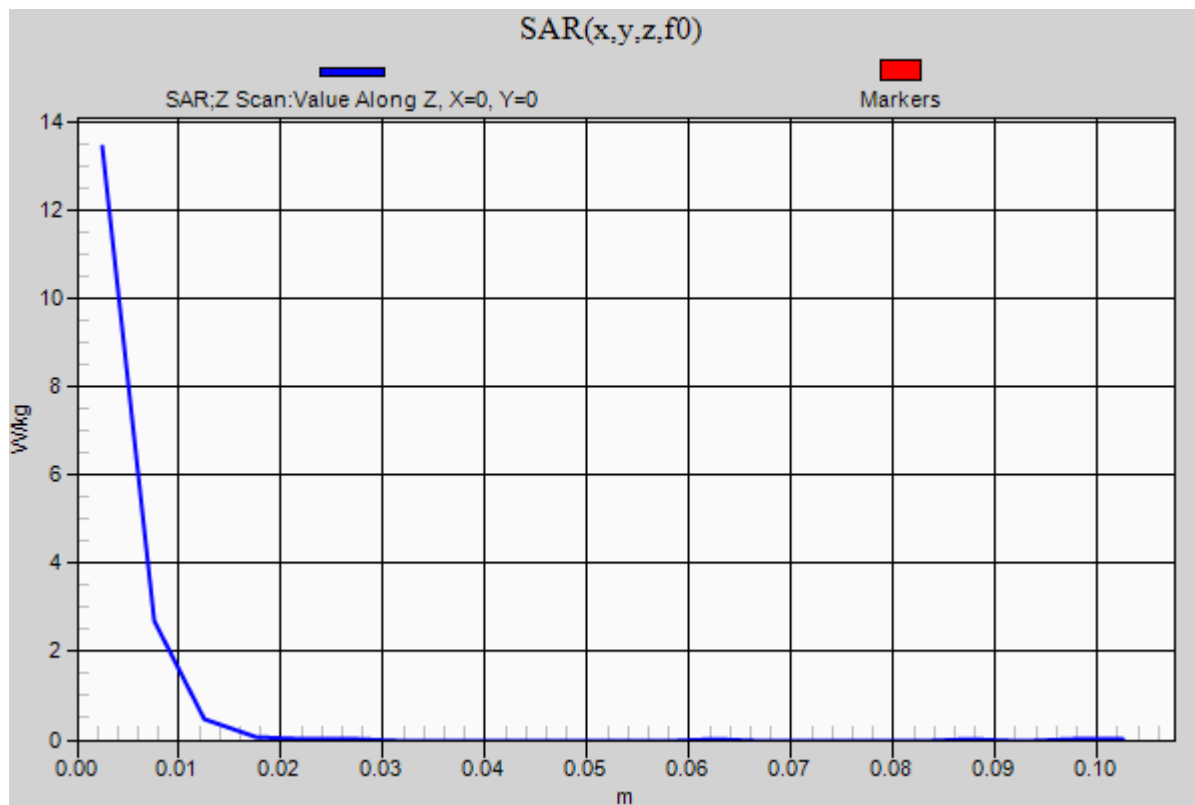
Maximum value of SAR (measured) = 20.1 W/kg



0 dB = 20.1 W/kg = 13.03 dBW/kg

20130825_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/5.6 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.5 W/kg

20130825_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.139$ S/m; $\epsilon_r = 47.411$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(4.05, 4.05, 4.05); Calibrated: 4/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

Body/5.8 GHz, Pin=100mW/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 46.547 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 6.34 W/kg; SAR(10 g) = 1.76 W/kg

Maximum value of SAR (interpolated) = 17.5 W/kg

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

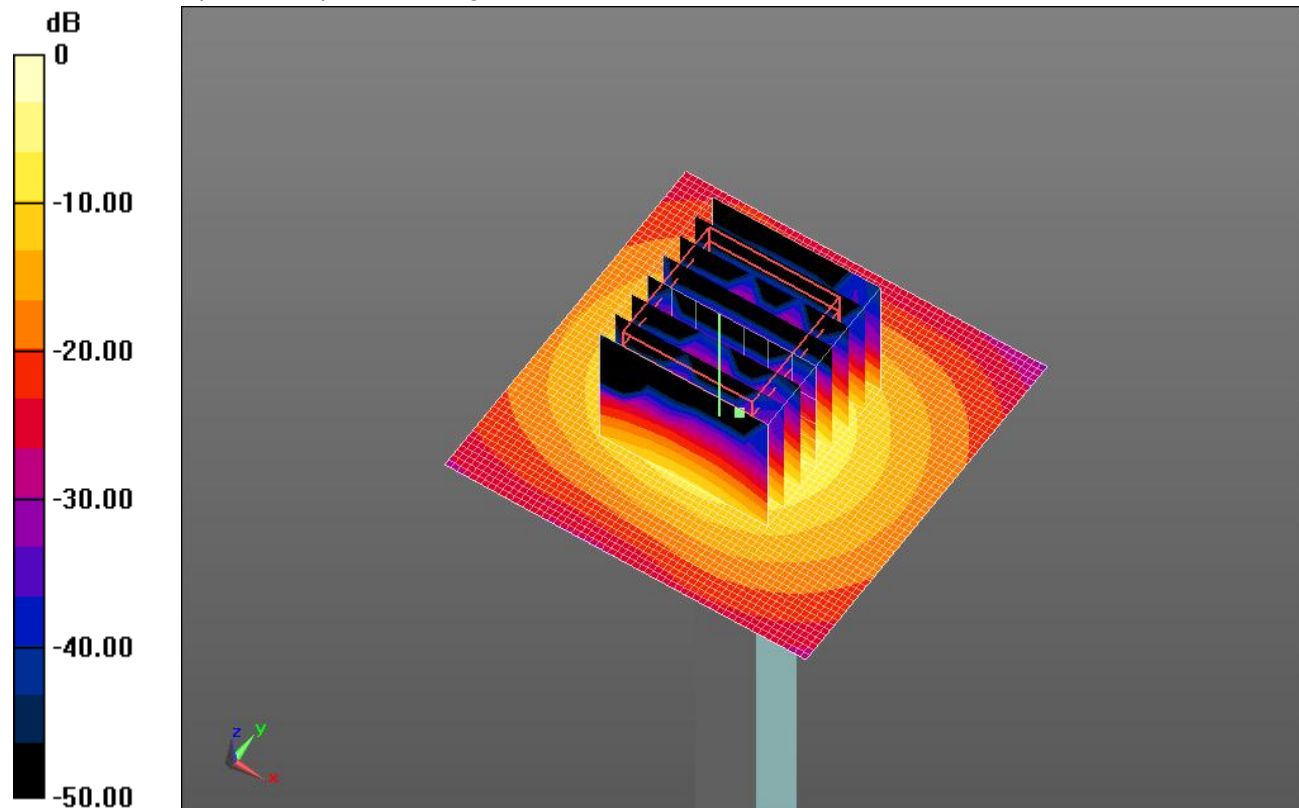
dz=1.4mm

Reference Value = 46.547 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 33.9 W/kg

SAR(1 g) = 7.04 W/kg; SAR(10 g) = 1.99 W/kg

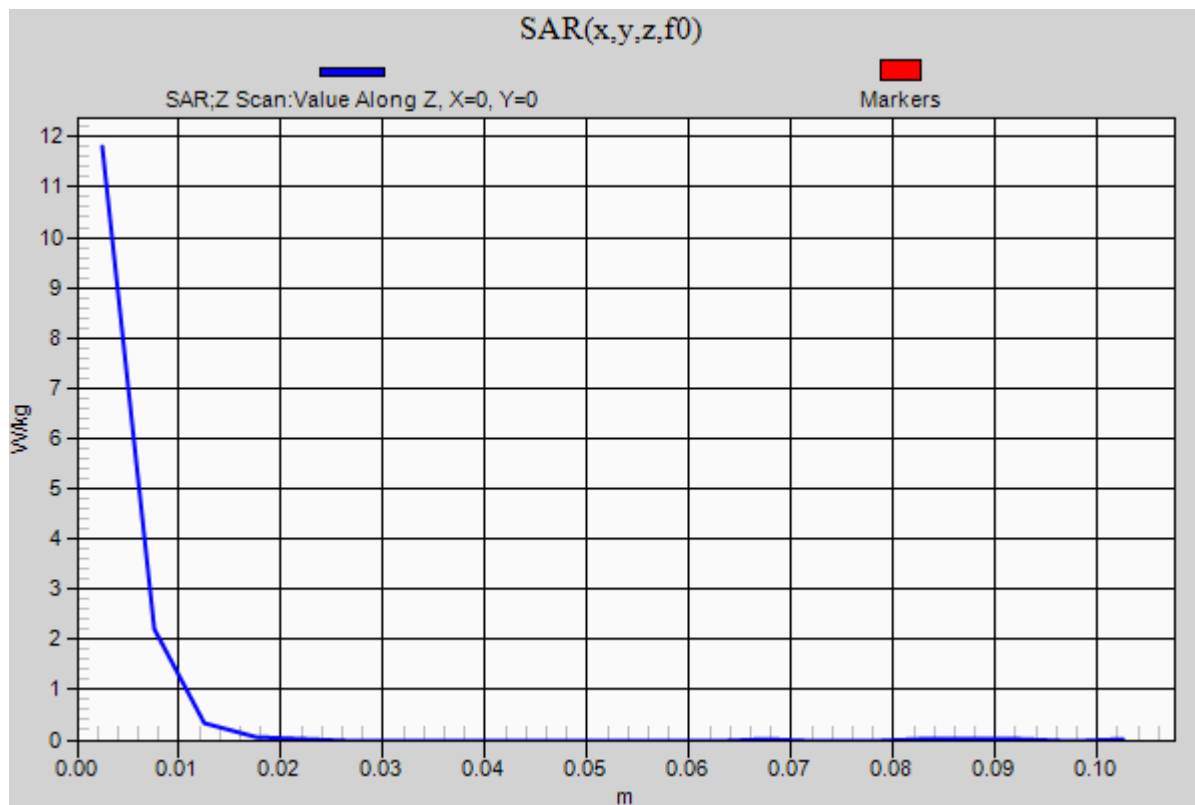
Maximum value of SAR (measured) = 17.8 W/kg



0 dB = 17.8 W/kg = 12.50 dBW/kg

20130825_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/5.8 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 11.8 W/kg

20130823_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.455$ S/m; $\epsilon_r = 36.742$; $\rho = 1000$ kg/m³

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(5.4, 5.4, 5.4); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1768

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

Reference Value = 57.763 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 7.27 W/kg; SAR(10 g) = 2 W/kg

Maximum value of SAR (interpolated) = 19.2 W/kg

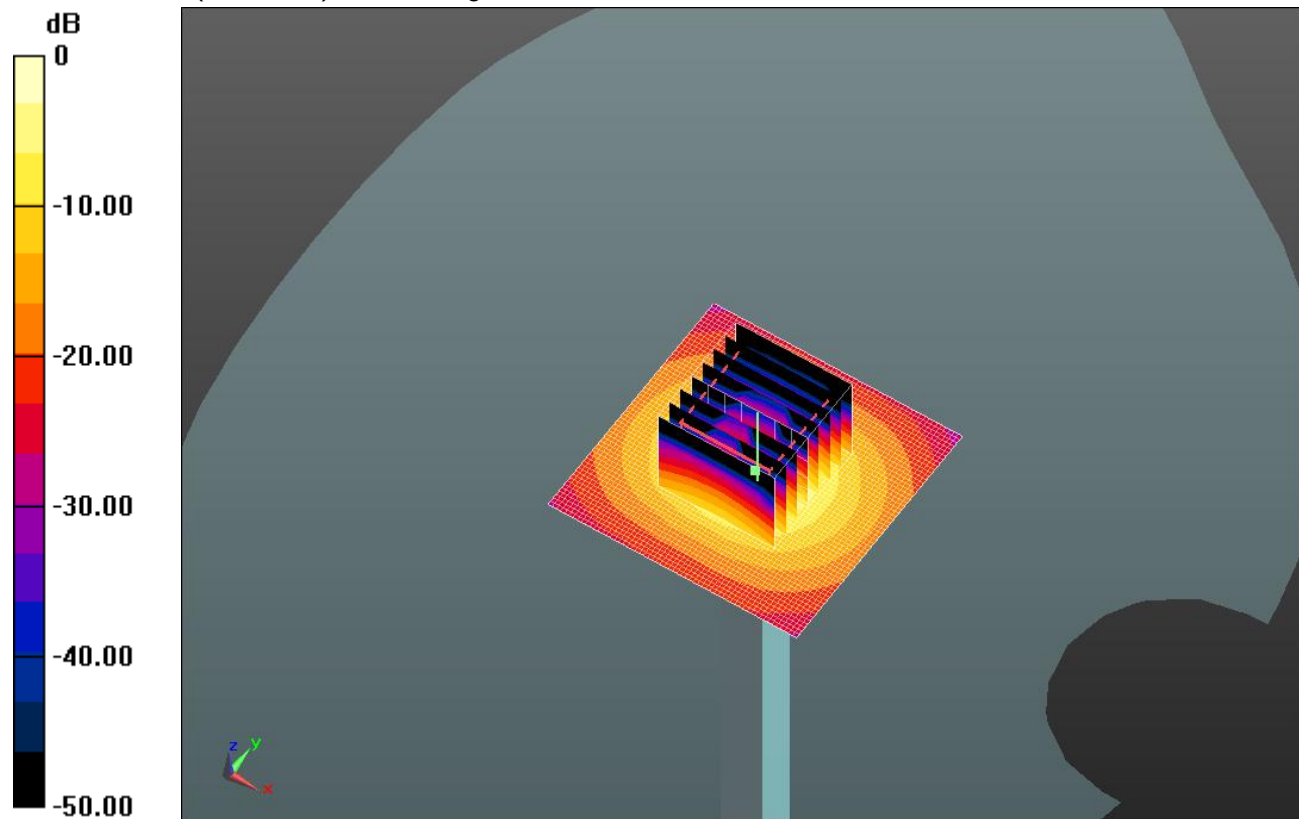
Head/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 57.763 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 31.2 W/kg

SAR(1 g) = 7.65 W/kg; SAR(10 g) = 2.19 W/kg

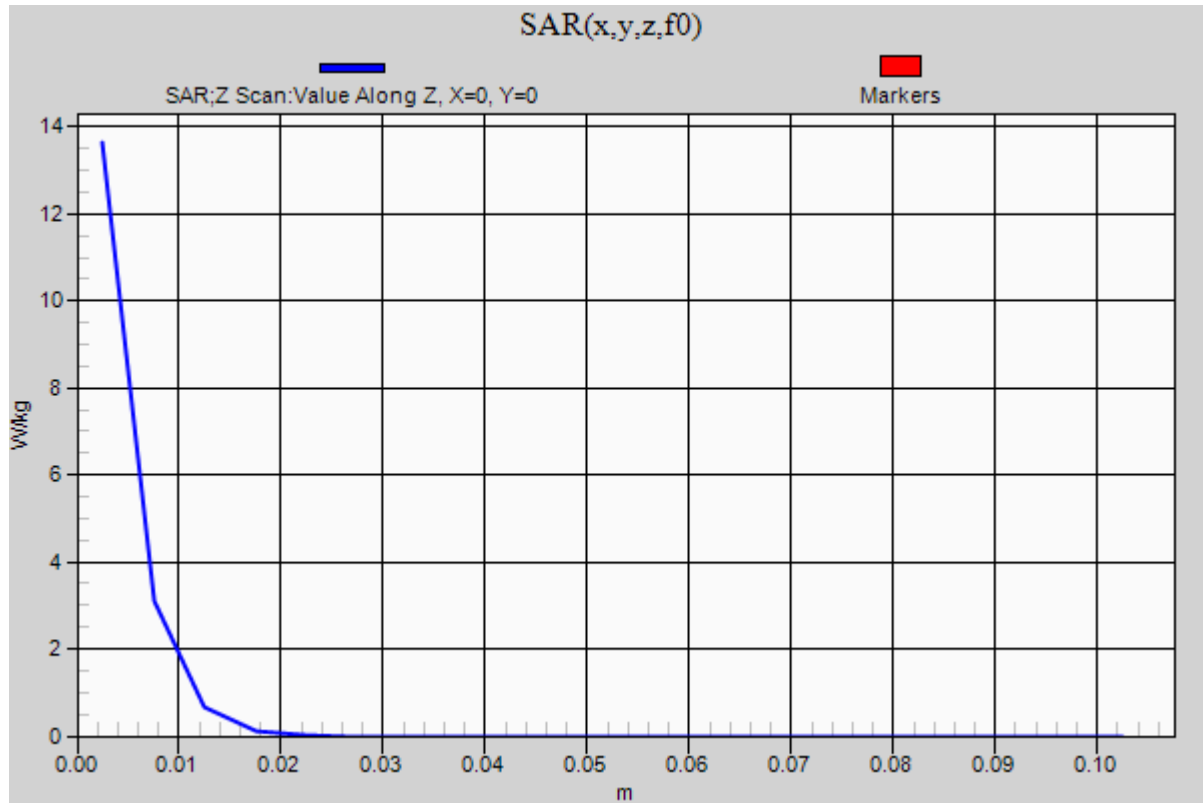
Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg

20130823_SystemPerformanceCheck-D5GHzV2 SN 1138

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) = 13.6 W/kg

20130823_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.753$ S/m; $\epsilon_r = 36.392$; $\rho = 1000$ kg/m³

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(5.17, 5.17, 5.17); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1768

Head/5.5 GHz, Pin=100mW/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 56.028 V/m; Power Drift = 0.12 dB

Fast SAR: SAR(1 g) = 7.37 W/kg; SAR(10 g) = 2 W/kg

Maximum value of SAR (interpolated) = 20.0 W/kg

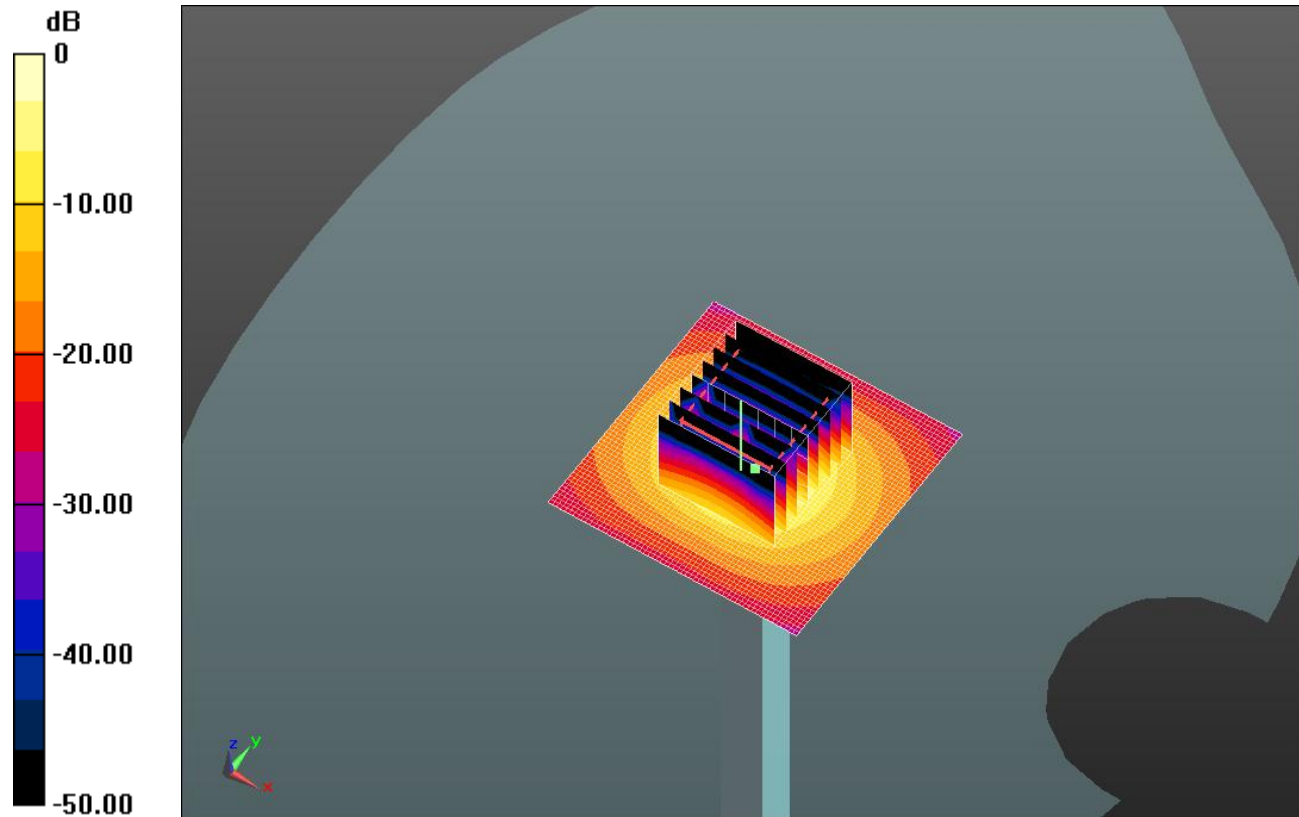
Head/5.5 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 56.028 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 34.1 W/kg

SAR(1 g) = 7.8 W/kg; SAR(10 g) = 2.21 W/kg

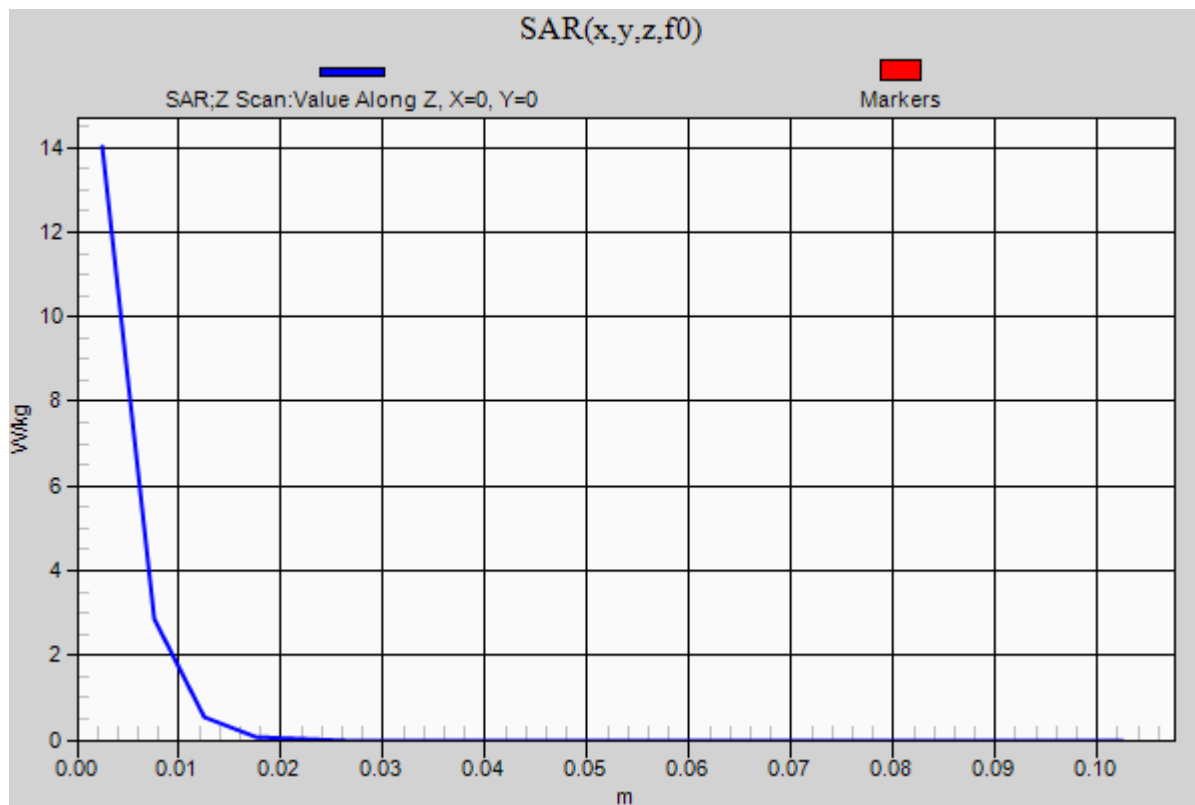
Maximum value of SAR (measured) = 18.4 W/kg



0 dB = 18.4 W/kg = 12.65 dBW/kg

20130823_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5500 MHz; Duty Cycle: 1:1

Head/5.5 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 14.0 W/kg

20130823_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 4.863$ S/m; $\epsilon_r = 36.265$; $\rho = 1000$ kg/m³

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(4.87, 4.87, 4.87); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1768

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

Reference Value = 57.843 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (interpolated) = 21.7 W/kg

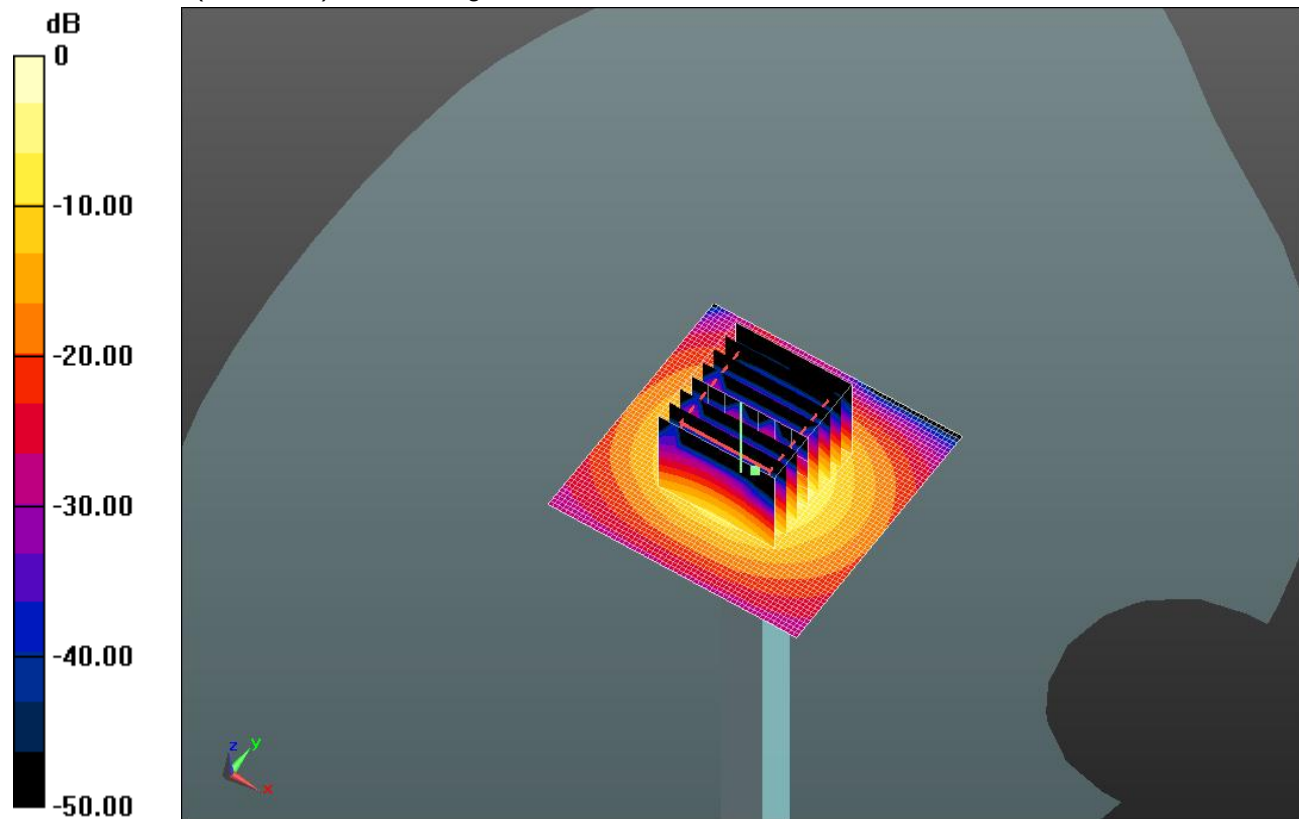
Head/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 57.843 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 36.4 W/kg

SAR(1 g) = 8.39 W/kg; SAR(10 g) = 2.38 W/kg

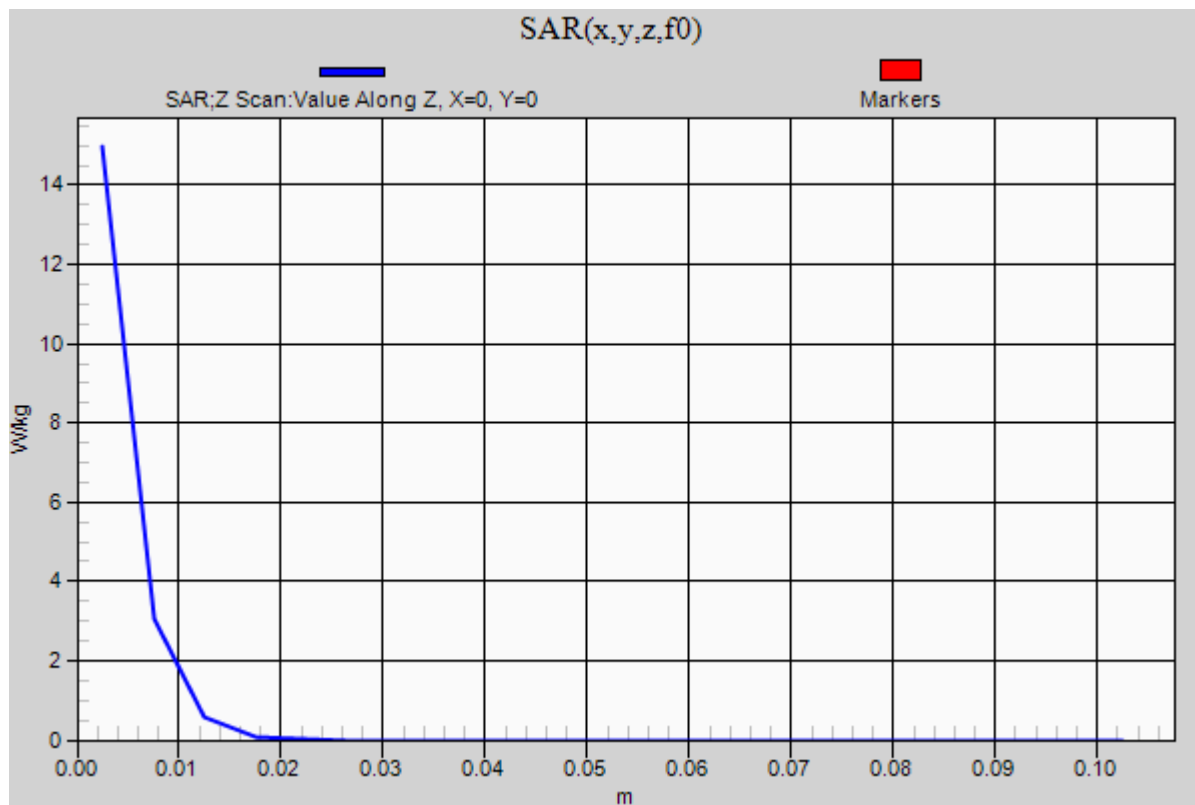
Maximum value of SAR (measured) = 20.0 W/kg



0 dB = 20.0 W/kg = 13.01 dBW/kg

20130823_SystemPerformanceCheck-D5GHzV2 SN 1138

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) = 15.0 W/kg

20130823_SystemPerformanceCheck-D5GHzV2 SN 1138

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

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.076$ S/m; $\epsilon_r = 35.975$; $\rho = 1000$ kg/m³

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(4.97, 4.97, 4.97); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1768

Head/5.8 GHz, Pin=100mW/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 54.973 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.02 W/kg

Maximum value of SAR (interpolated) = 21.1 W/kg

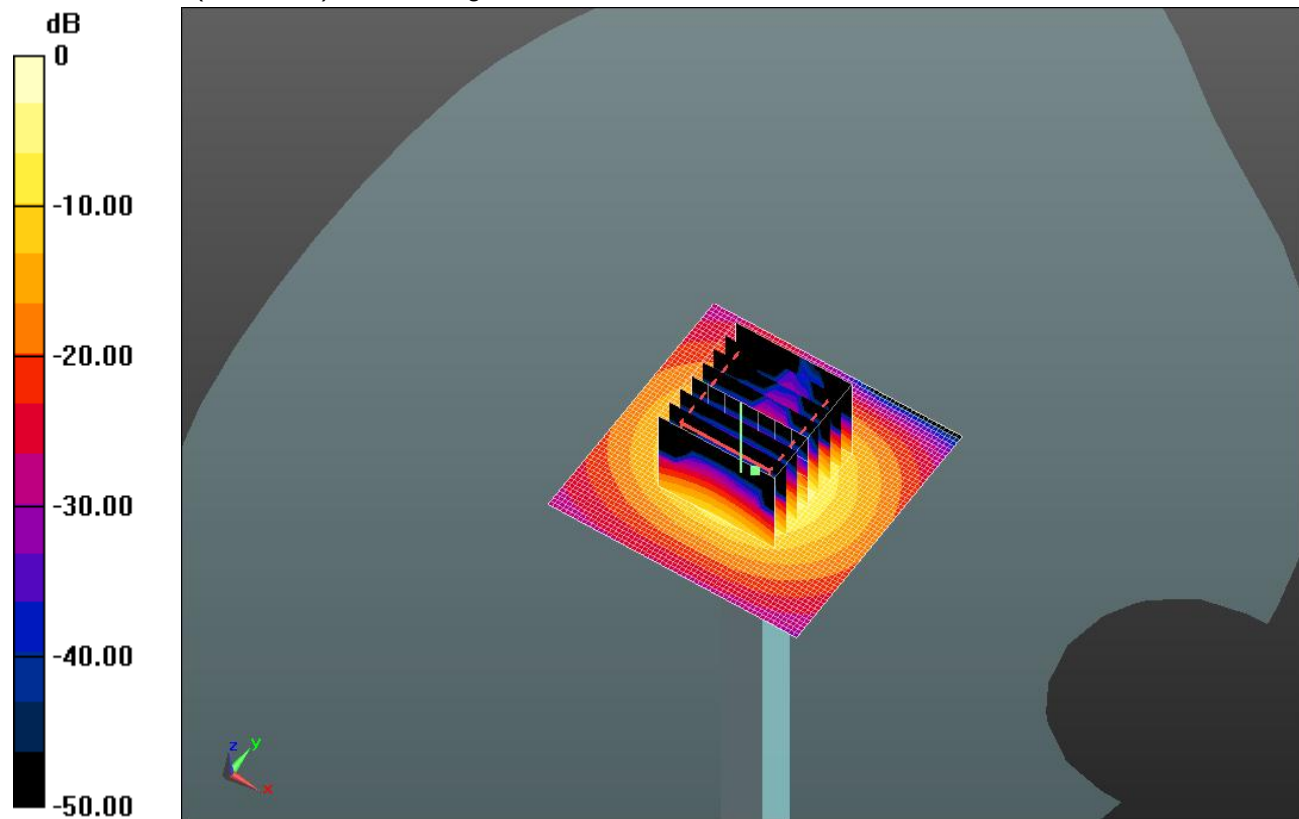
Head/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 54.973 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 36.6 W/kg

SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.24 W/kg

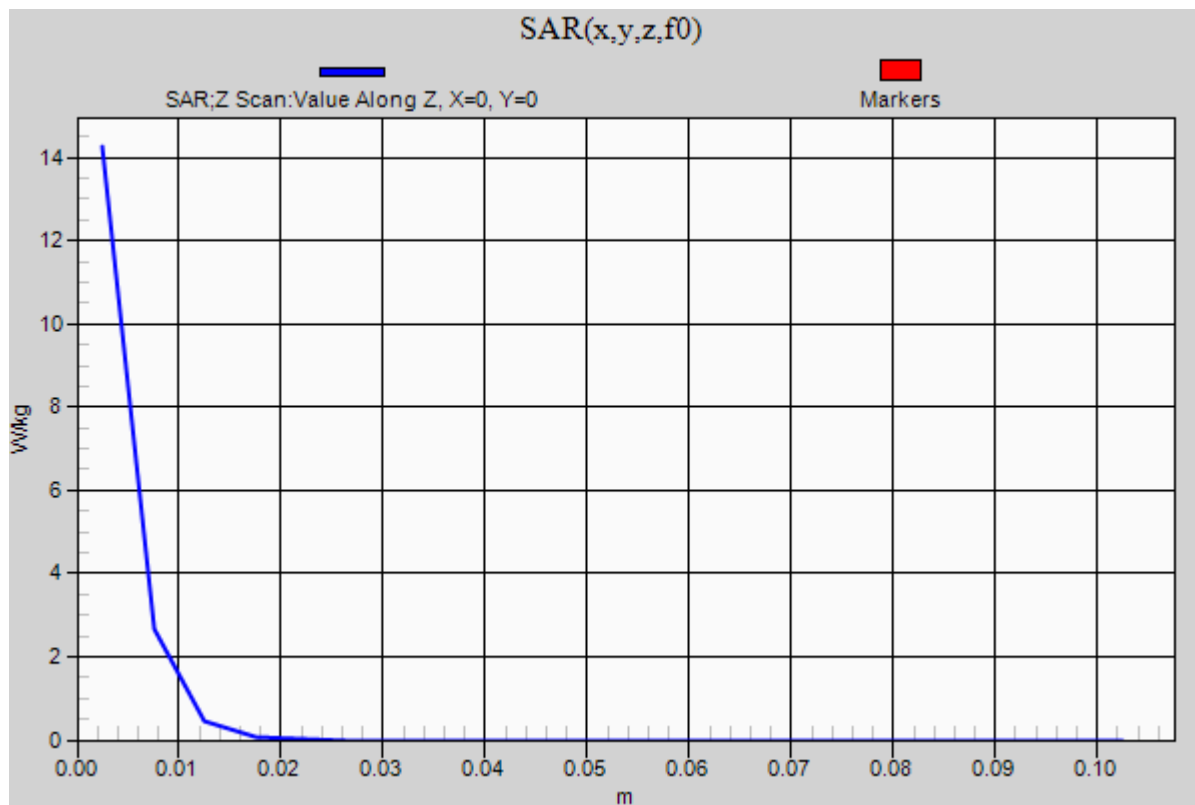
Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 19.2 W/kg = 12.83 dBW/kg

20130823_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5800 MHz; Duty Cycle: 1:1

Head/5.8 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 14.3 W/kg

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 39.216$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(7.44, 7.44, 7.44); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

LHS/Touch_GSM Voice_ch 661/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.132 W/kg

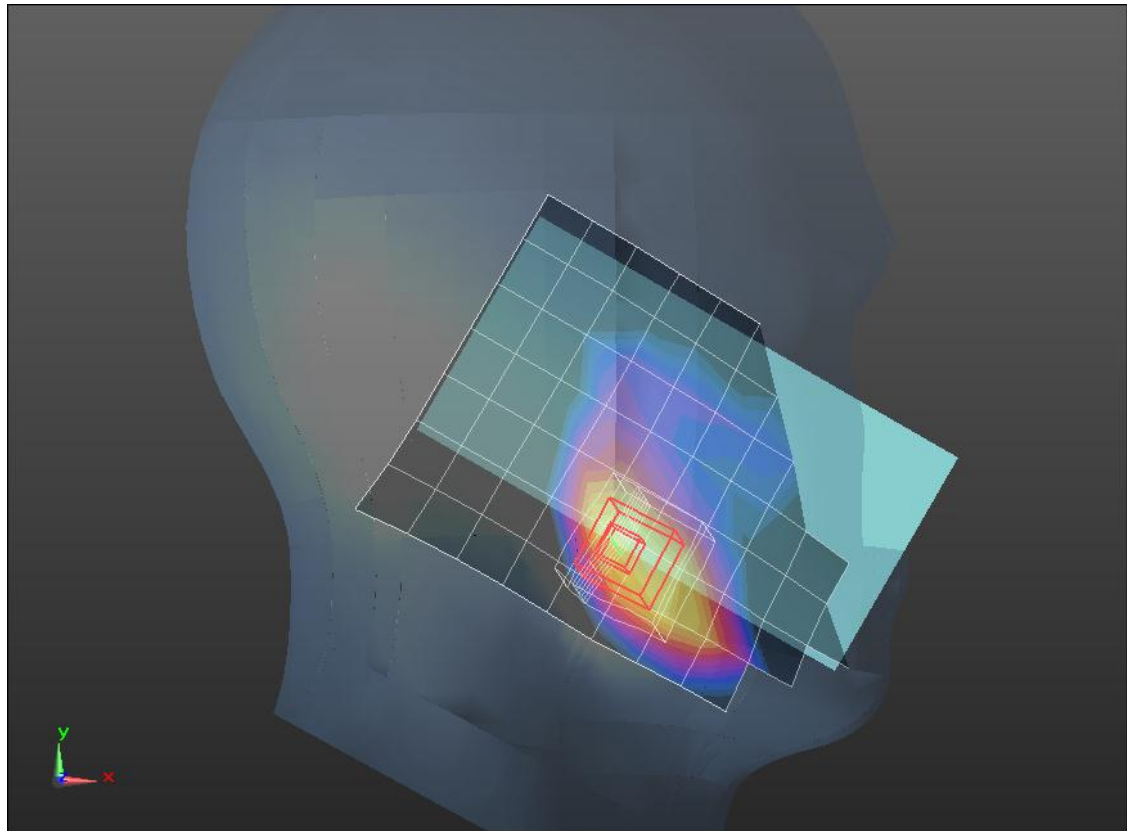
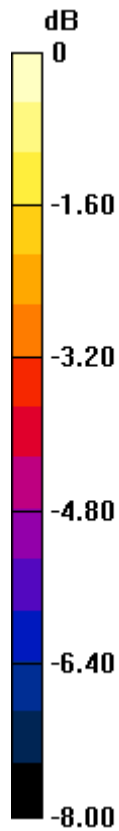
LHS/Touch_GSM Voice_ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.394 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.156 W/kg = -8.07 dBW/kg

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ S/m; $\epsilon_r = 51.363$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(6.93, 6.93, 6.93); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

Rear/GSM Voice_ch 661/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.269 W/kg

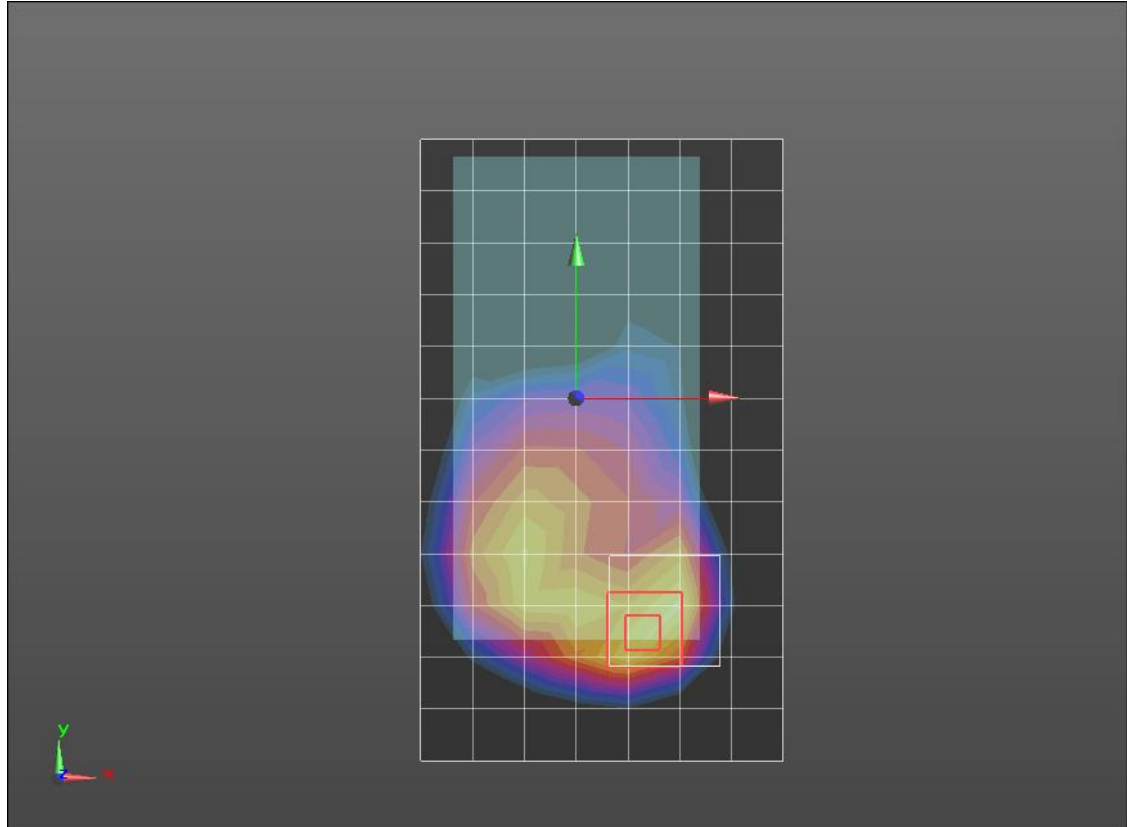
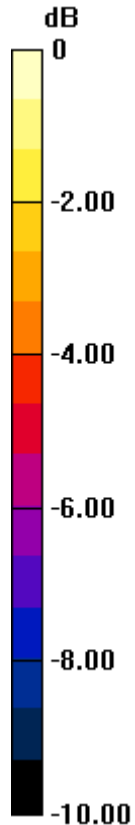
Rear/GSM Voice_ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.606 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.144 W/kg

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



0 dB = 0.349 W/kg = -4.57 dBW/kg

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ S/m; $\epsilon_r = 51.363$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(6.93, 6.93, 6.93); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

Rear/GPRS 3 slots_ch 661/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.463 W/kg

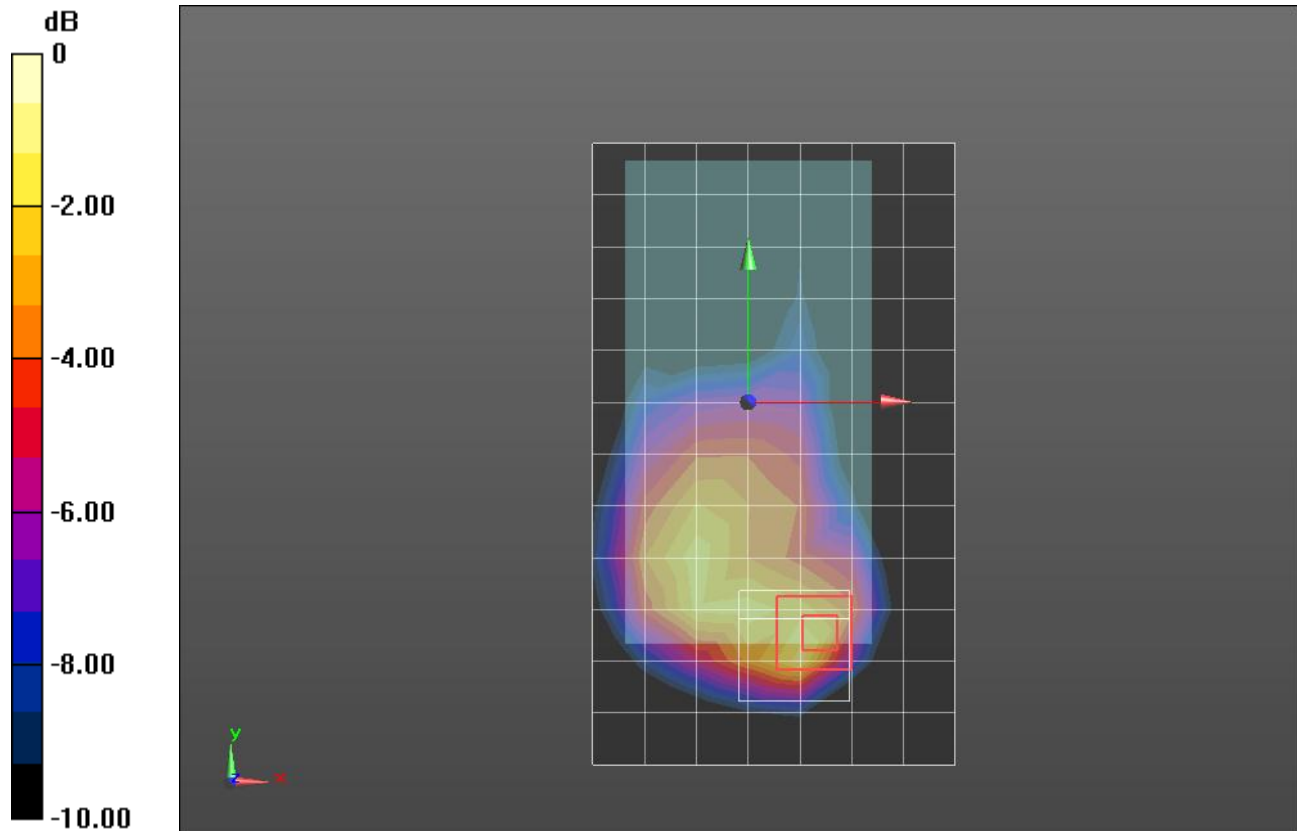
Rear/GPRS 3 slots_ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.570 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.811 W/kg

SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.580 W/kg



0 dB = 0.580 W/kg = -2.37 dBW/kg

W-CDMA Band V

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; $\sigma = 1.01$ S/m; $\epsilon_r = 53.131$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(8.78, 8.78, 8.78); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

LHS/Touch_Rel 99_RMC_ch_4183/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.110 W/kg

LHS/Touch_Rel 99_RMC_ch_4183/Zoom Scan (7x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

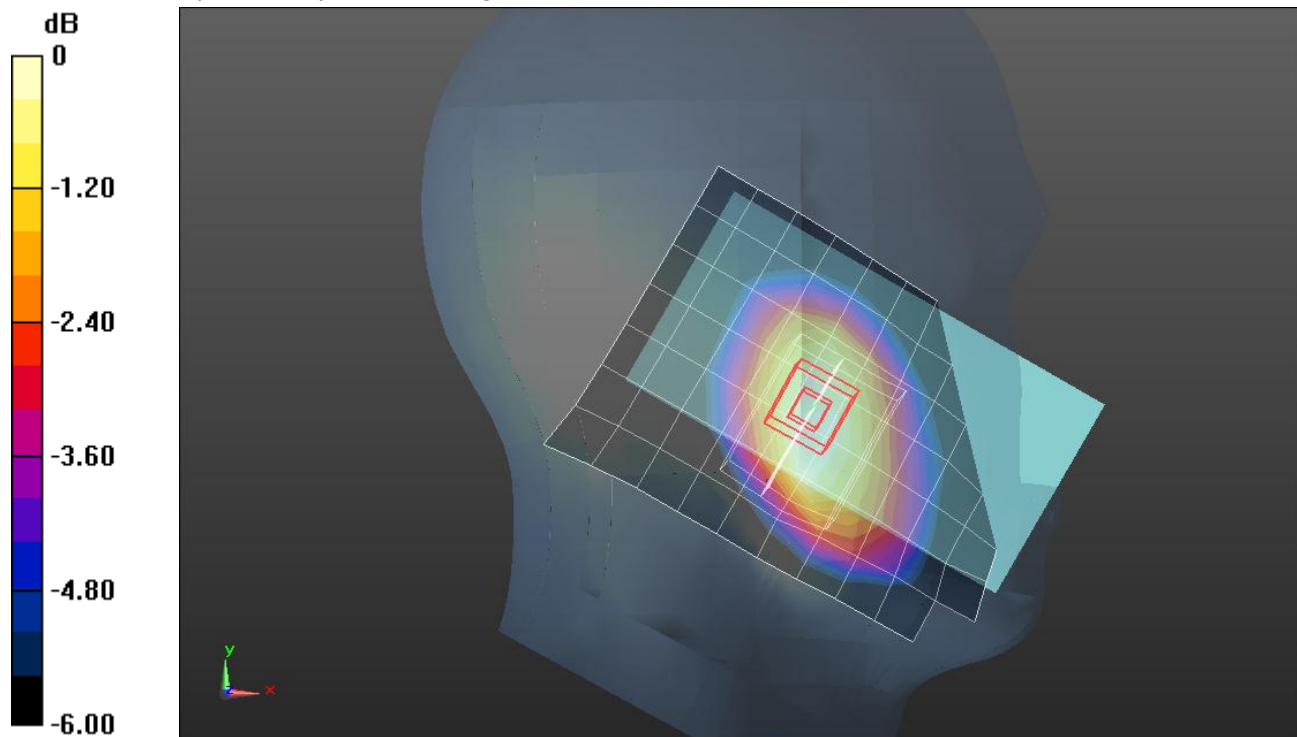
Reference Value = 10.305 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.079 W/kg

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

Maximum value of SAR (measured) = 0.111 W/kg



0 dB = 0.111 W/kg = -9.55 dBW/kg

W-CDMA Band V

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; $\sigma = 1.01$ S/m; $\epsilon_r = 53.131$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(8.78, 8.78, 8.78); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

Rear/Rel.99_RMC_12.2kbps_CH_4183/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.148 W/kg

Rear/Rel.99_RMC_12.2kbps_CH_4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

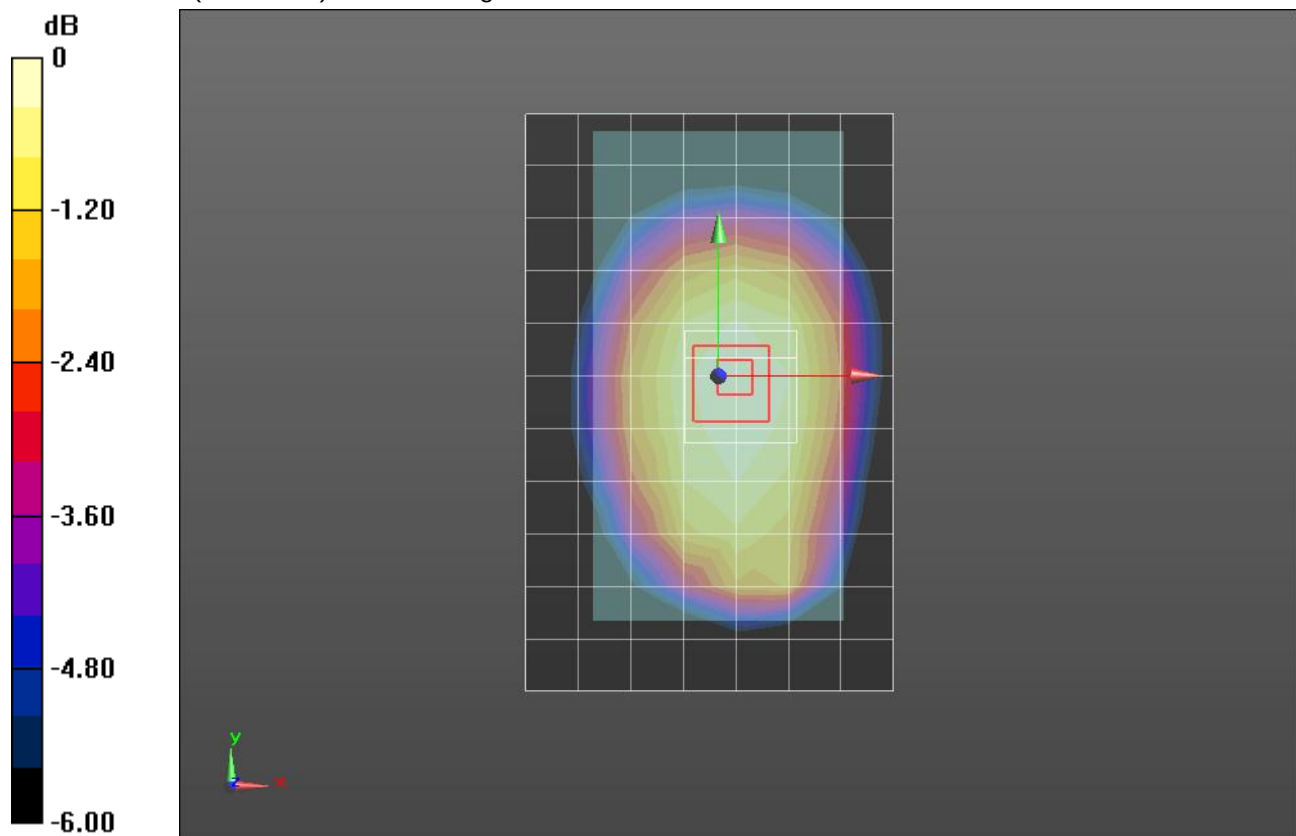
Reference Value = 12.241 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.103 W/kg

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

Maximum value of SAR (measured) = 0.150 W/kg



0 dB = 0.150 W/kg = -8.24 dBW/kg

W-CDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 39.216$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(7.44, 7.44, 7.44); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

LHS/Touch_Rel 99_RMC_ch 9400/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.172 W/kg

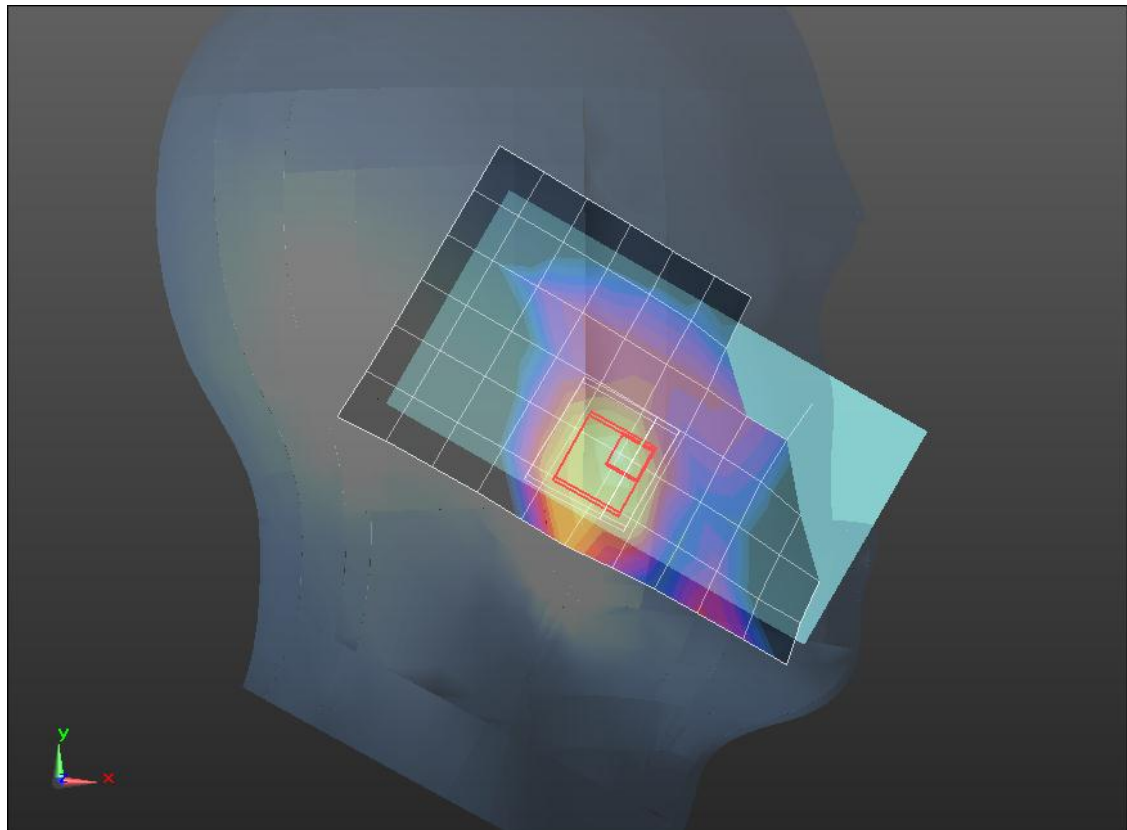
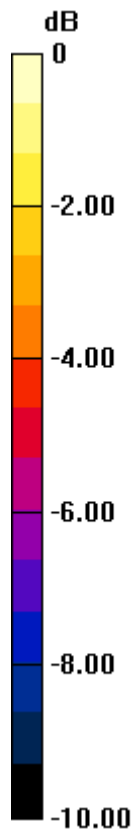
LHS/Touch_Rel 99_RMC_ch 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.632 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.297 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.083 W/kg

Maximum value of SAR (measured) = 0.220 W/kg



0 dB = 0.220 W/kg = -6.58 dBW/kg

W-CDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ S/m; $\epsilon_r = 51.363$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(6.93, 6.93, 6.93); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

Rear/Rel.99_RMC_12.2kbps_CH_9400/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.491 W/kg

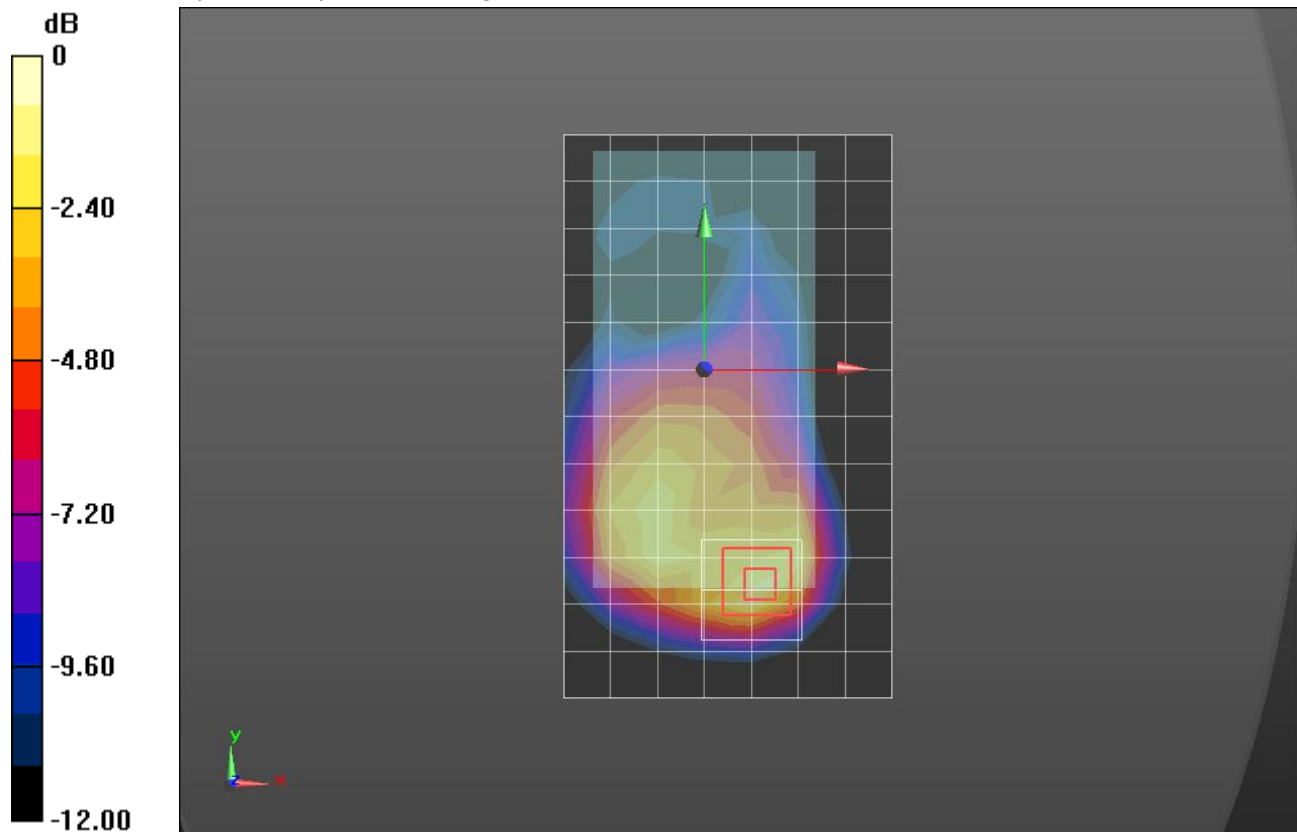
Rear/Rel.99_RMC_12.2kbps_CH_9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.347 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.794 W/kg

SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 0.611 W/kg



0 dB = 0.611 W/kg = -2.14 dBW/kg

LTE Band 5

Frequency: 829 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.909$ S/m; $\epsilon_r = 41.572$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(8.77, 8.77, 8.77); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

LHS/Touch_QPSK_RB 1/0_ch 20450/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.0765 W/kg

LHS/Touch_QPSK_RB 1/0_ch 20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

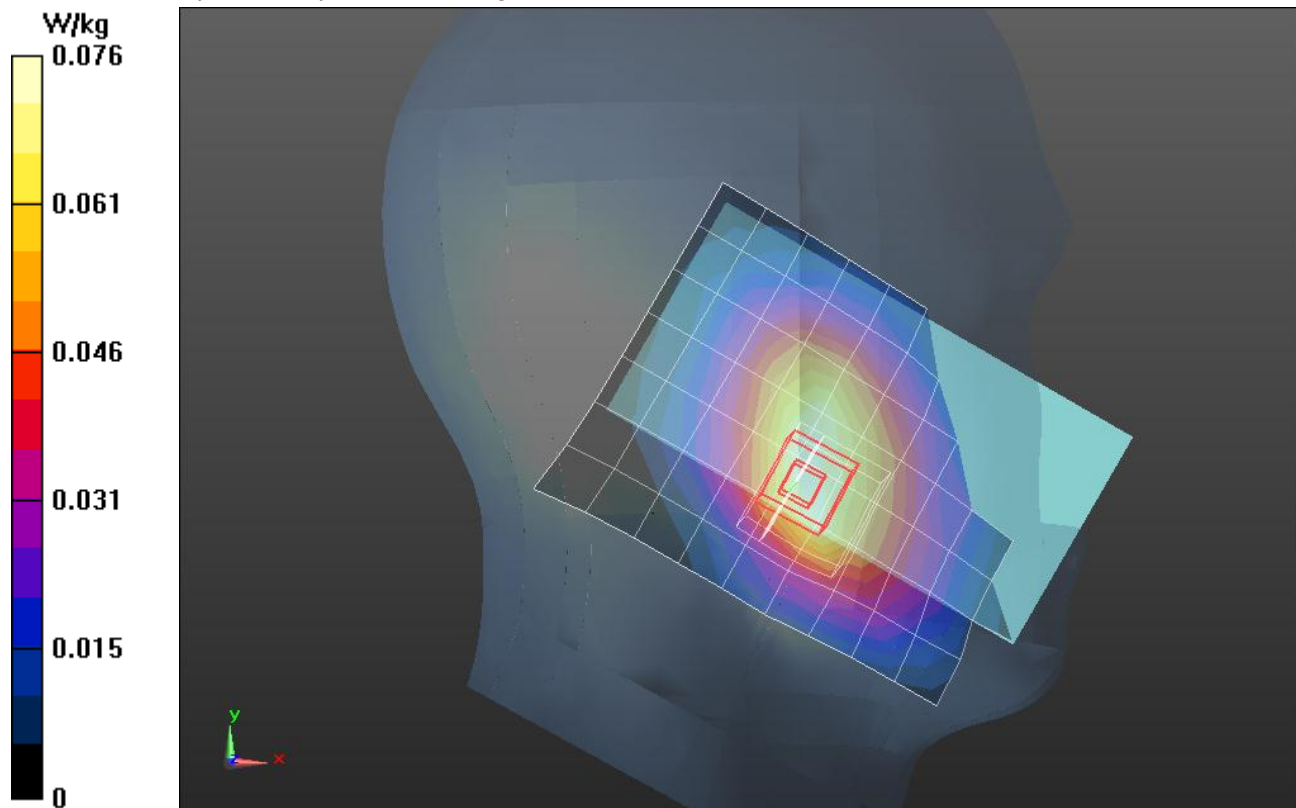
Reference Value = 9.230 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.0900 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.050 W/kg

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

Maximum value of SAR (measured) = 0.0743 W/kg



LTE Band 5

Frequency: 829 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 1.003$ S/m; $\epsilon_r = 53.196$; $\rho = 1000$ kg/m³

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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(8.78, 8.78, 8.78); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

Rear/QPSK_RB 1/0_ch 20450/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.136 W/kg

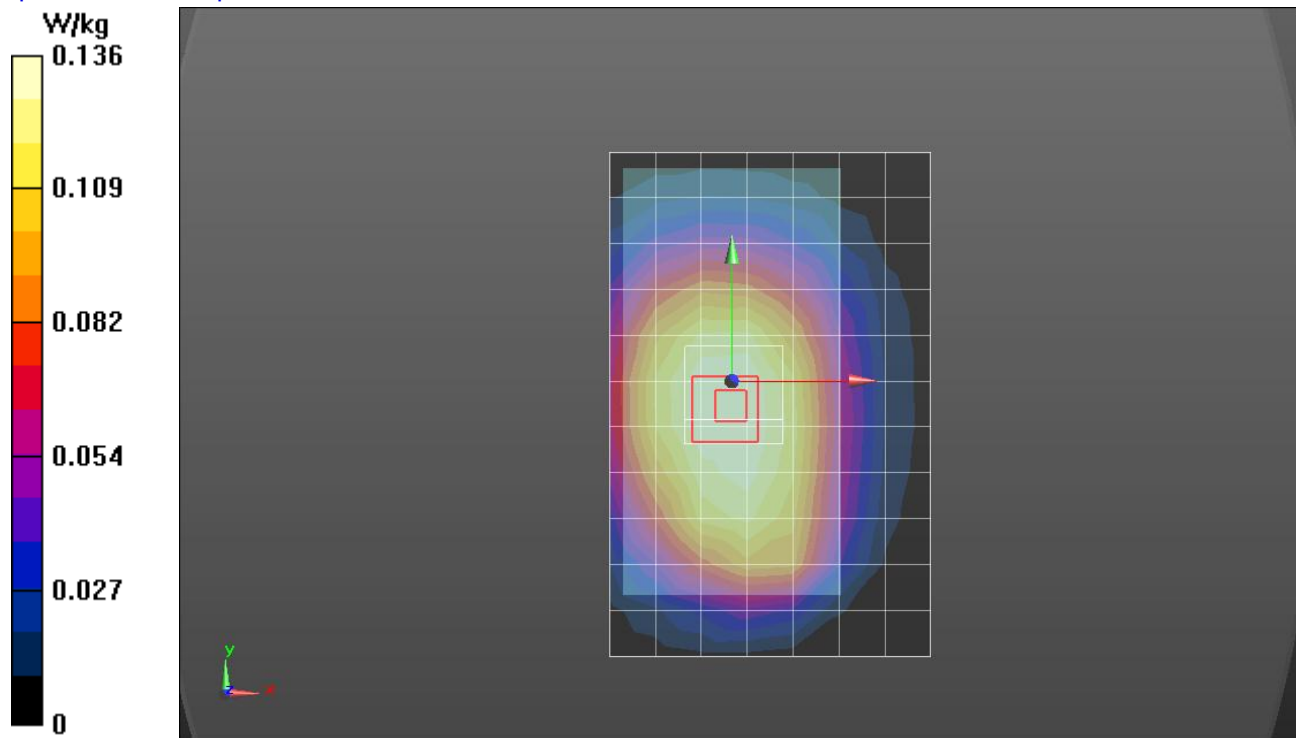
Rear/QPSK_RB 1/0_ch 20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.836 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.152 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.094 W/kg

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



LTE Band 17

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

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.865 \text{ S/m}$; $\epsilon_r = 42.803$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(9.53, 9.53, 9.53); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

LHS/Touch_QPSK_RB 1/0_ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00617 W/kg

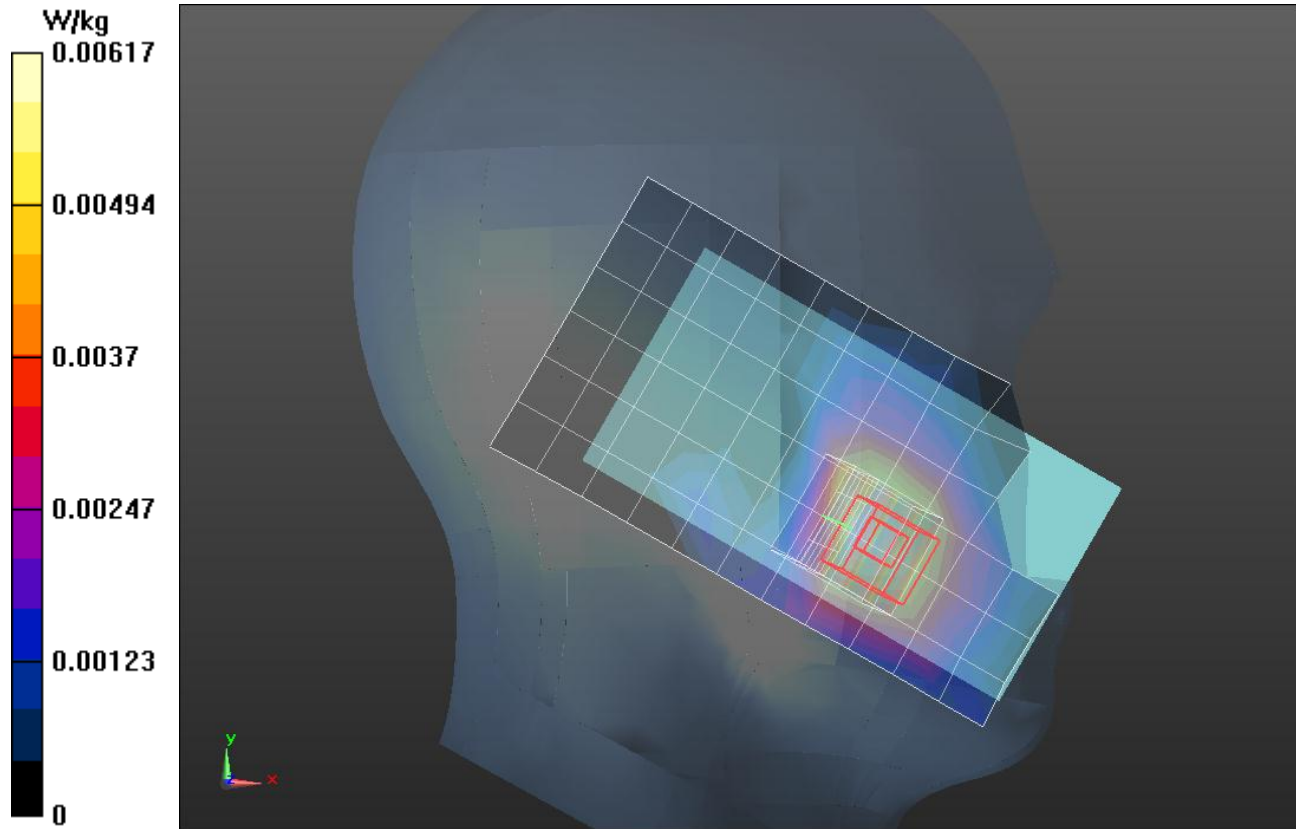
LHS/Touch_QPSK_RB 1/0_ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.142 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.00831 W/kg

SAR(1 g) = 0.00449 W/kg; SAR(10 g) = 0.00271 W/kg

Maximum value of SAR (measured) = 0.00668 W/kg



LTE Band 17

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

Medium parameters used: $f = 710$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 53.774$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(9.28, 9.28, 9.28); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Rear/QPSK_RB 1/0_ch 23790/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0140 W/kg

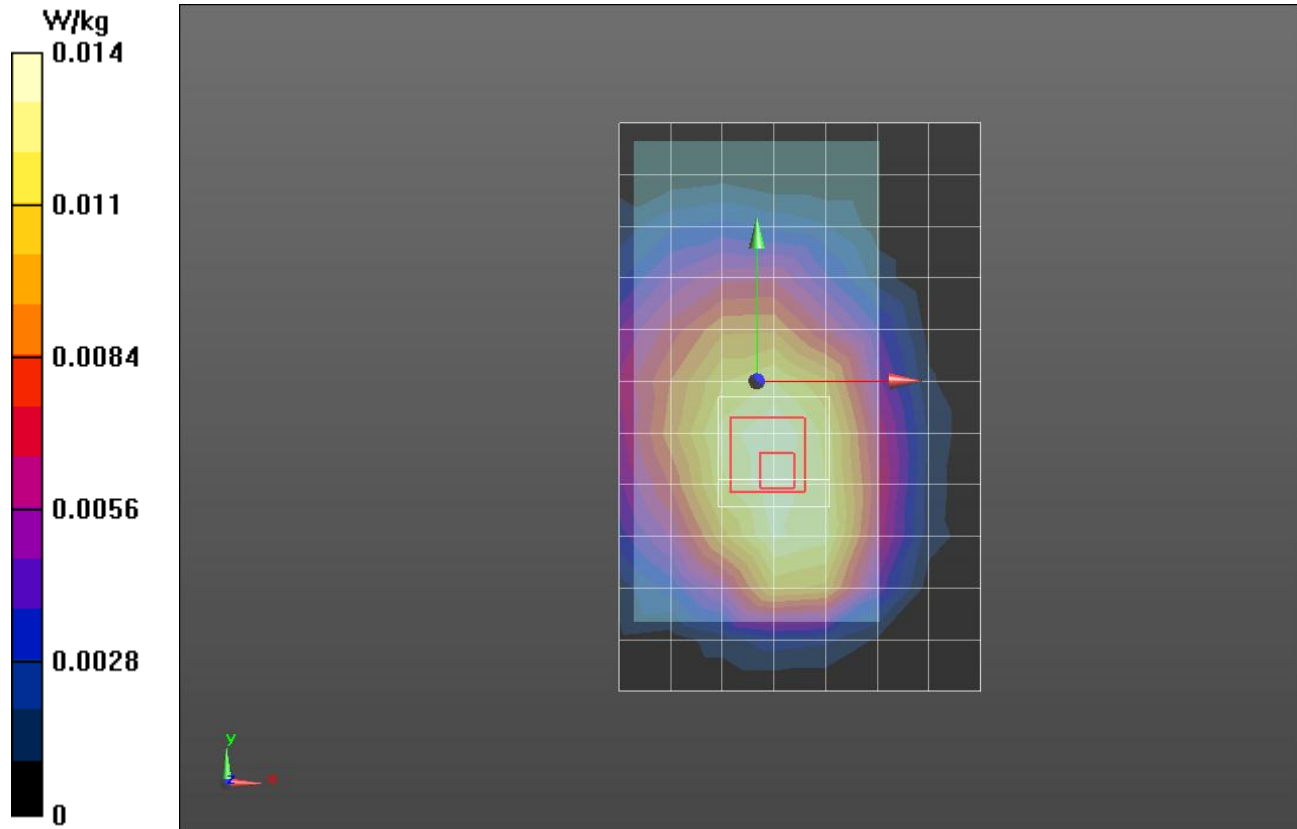
Rear/QPSK_RB 1/0_ch 23790/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.976 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0180 W/kg

SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00939 W/kg

Maximum value of SAR (measured) = 0.0150 W/kg



LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 53.774$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(9.28, 9.28, 9.28); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Edge 4/QPSK_RB 1/0_ch 23790/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0155 W/kg

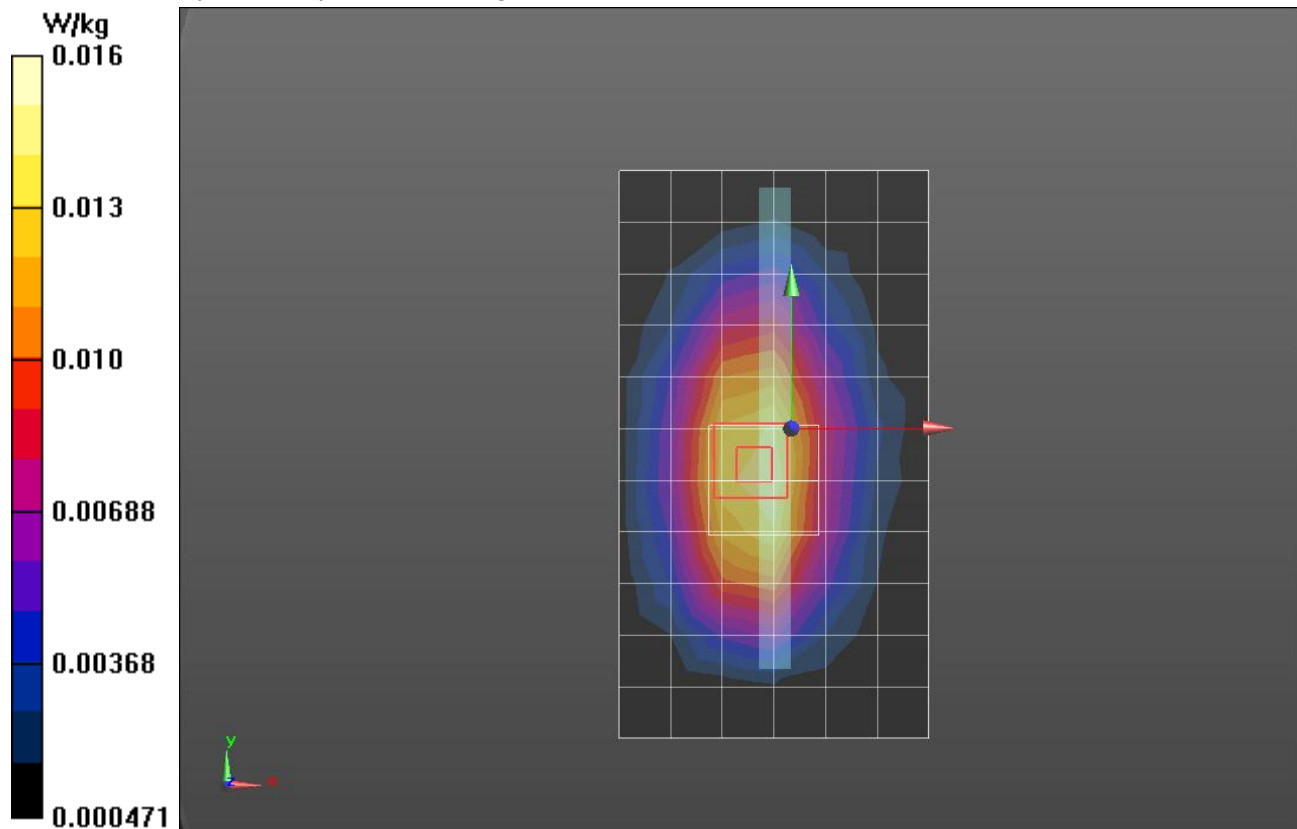
Edge 4/QPSK_RB 1/0_ch 23790/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.125 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.0200 W/kg

SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00942 W/kg

Maximum value of SAR (measured) = 0.0165 W/kg



Wi-Fi 5 GHz

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.016 \text{ S/m}$; $\epsilon_r = 36.03$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(4.97, 4.97, 4.97); Calibrated: 7/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1768

LHS/Touch_802.11a_Ch 149/Area Scan (10x18x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 1.37 W/kg

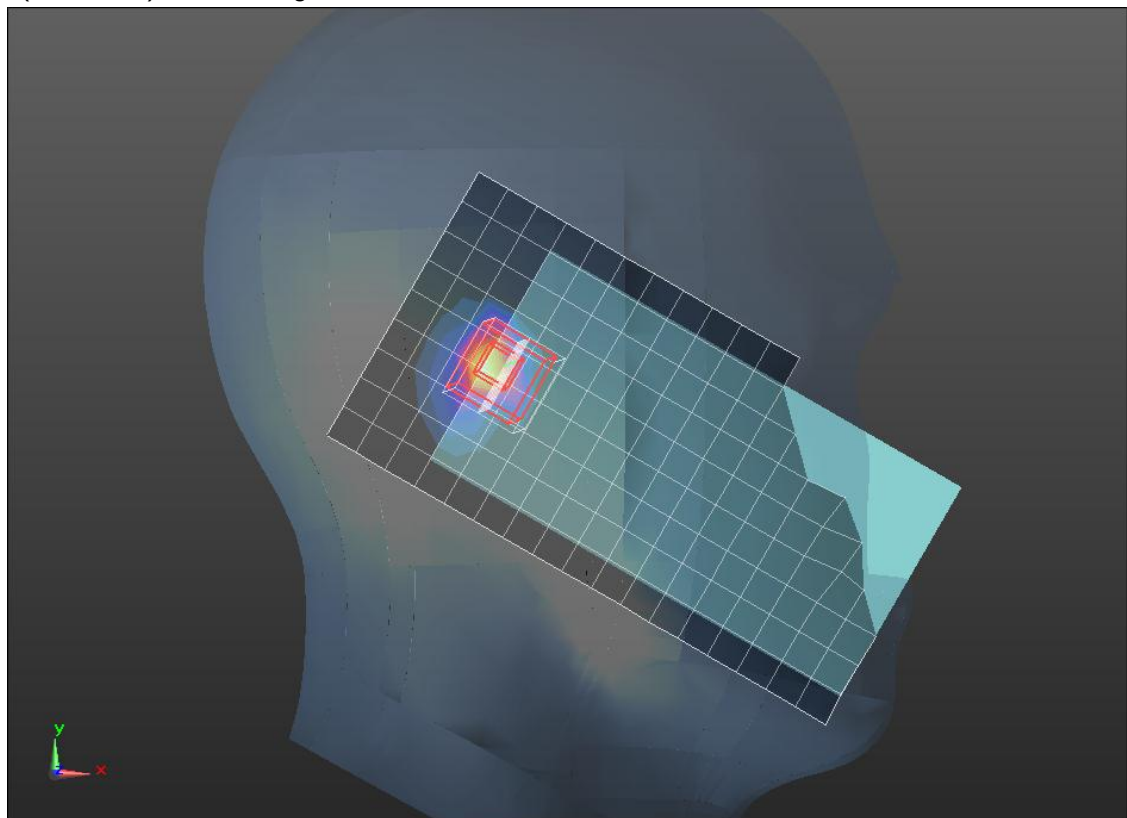
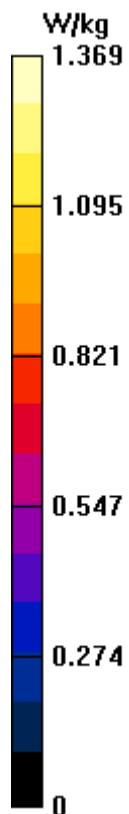
LHS/Touch_802.11a_Ch 149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=2\text{mm}$

Reference Value = 18.341 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.27 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 2.49 W/kg



WiFi 5 GHz

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

Medium parameters used: $f = 5745$ MHz; $\sigma = 6.043$ S/m; $\epsilon_r = 47.568$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.81, 3.81, 3.81); Calibrated: 6/24/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Front/802.11a_Ch 149/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.427 W/kg

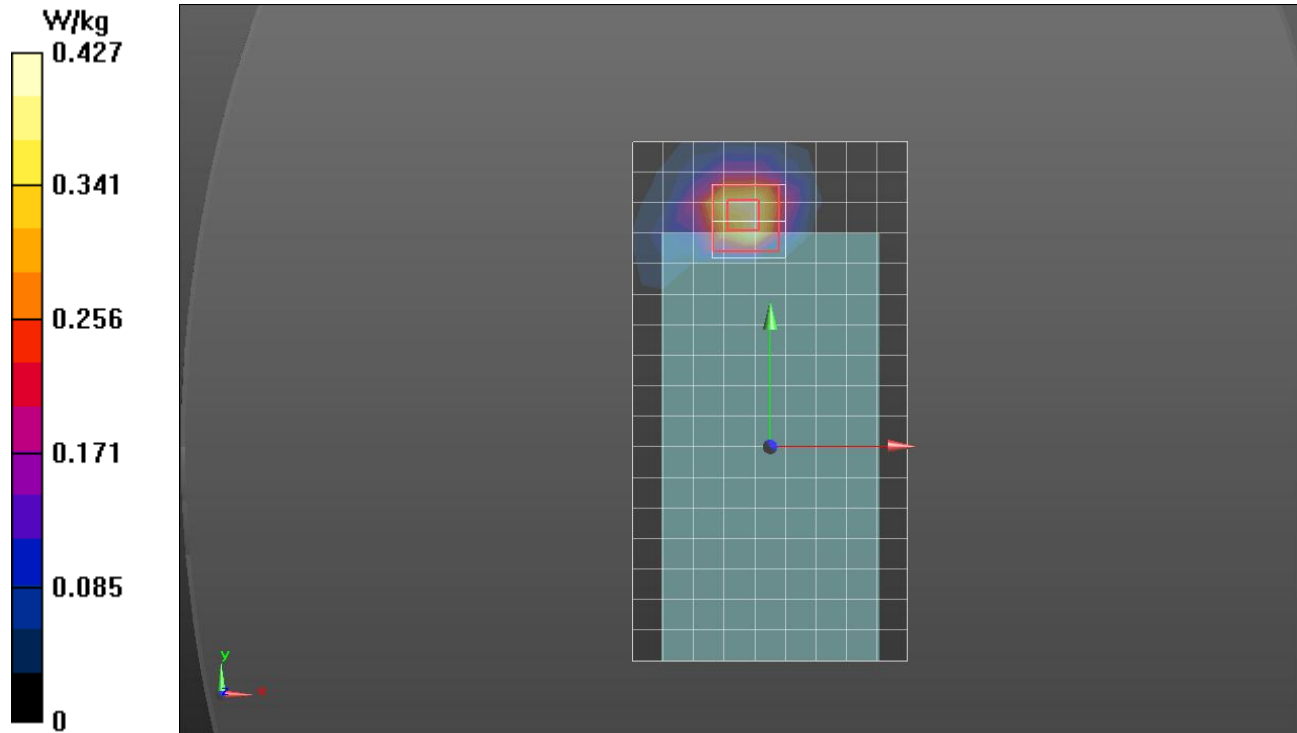
Front/802.11a_Ch 149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.374 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.083 W/kg

Maximum value of SAR (measured) = 0.598 W/kg



WiFi 5 GHz

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

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.944$ S/m; $\epsilon_r = 47.091$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.81, 3.81, 3.81); Calibrated: 6/24/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Edge 1/802.11a_Ch 149/Area Scan (8x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.566 W/kg

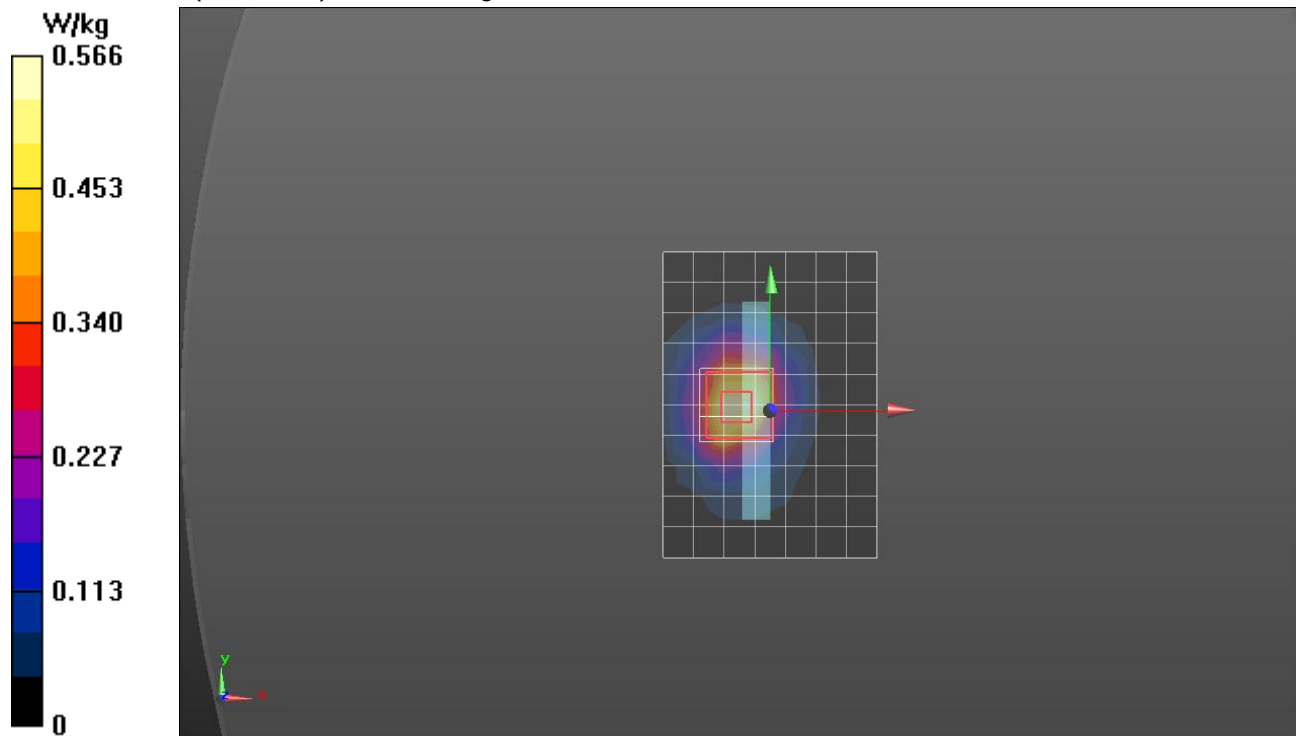
Edge 1/802.11a_Ch 149/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.754 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.639 W/kg



Wi-Fi 5 GHz

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 4.863$ S/m; $\epsilon_r = 36.265$; $\rho = 1000$ kg/m³

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(4.87, 4.87, 4.87); Calibrated: 7/12/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: 1768

LHS/Touch_802.11a_Ch 120/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.36 W/kg

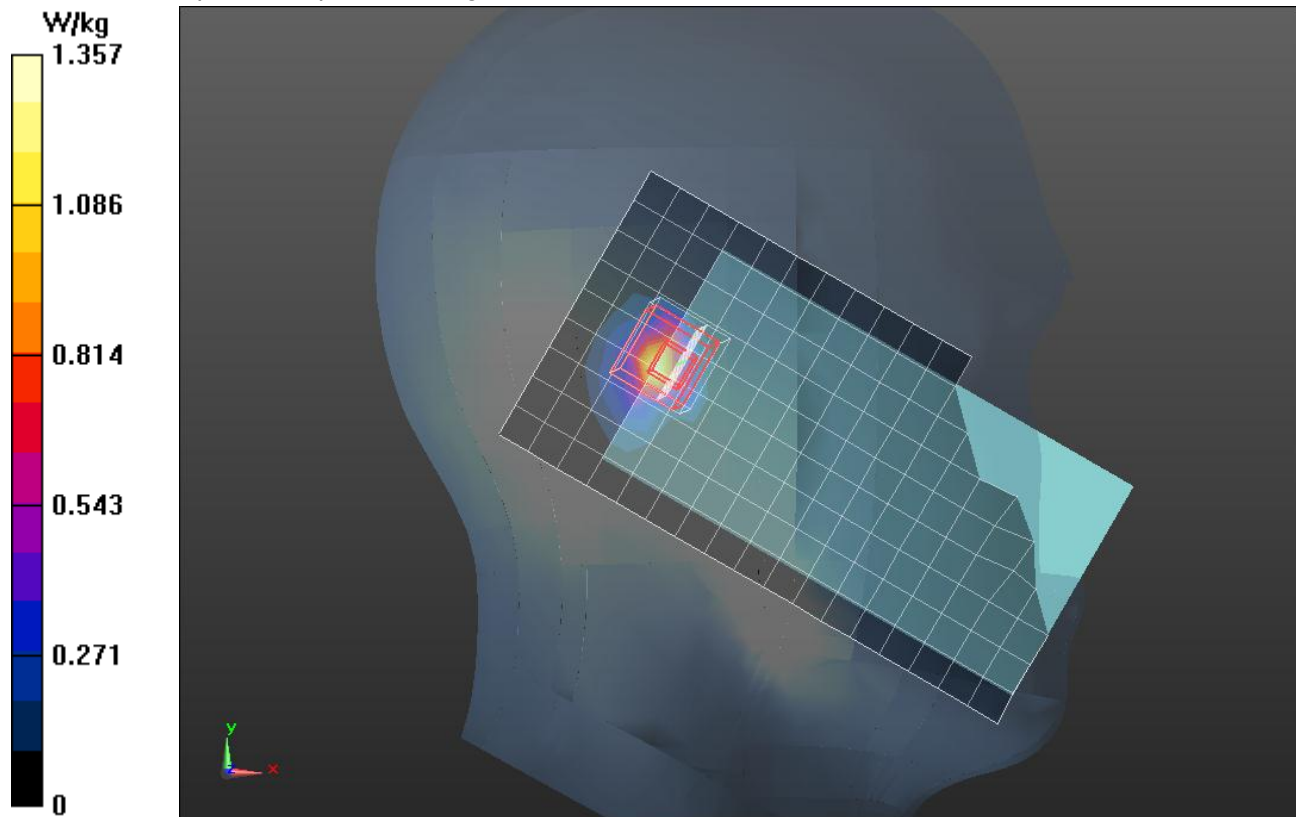
LHS/Touch_802.11a_Ch 120/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 18.123 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 4.73 W/kg

SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.207 W/kg

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



WiFi 5 GHz

Frequency: 5520 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5520$ MHz; $\sigma = 5.597$ S/m; $\epsilon_r = 47.318$; $\rho = 1000$ kg/m³

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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.68, 3.68, 3.68); Calibrated: 6/24/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Front/802.11a_Ch 104/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.411 W/kg

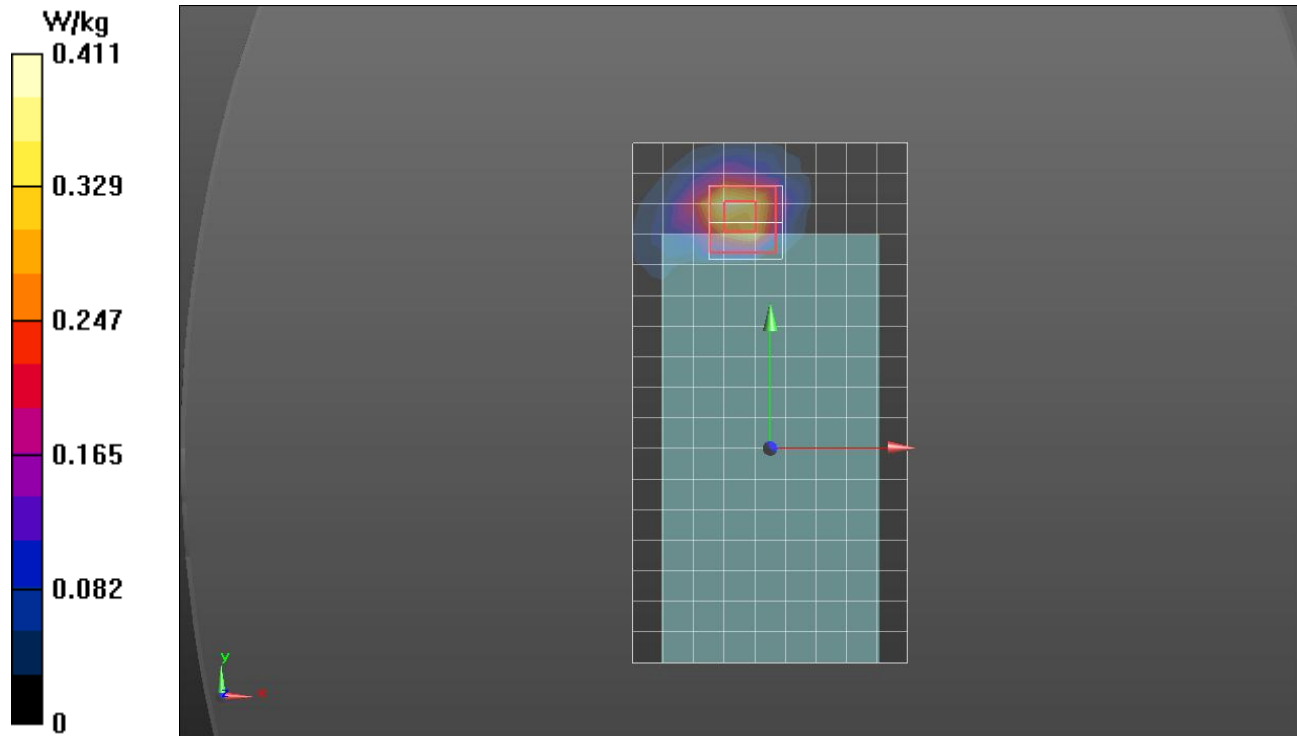
Front/802.11a_Ch 104/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.659 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.532 W/kg



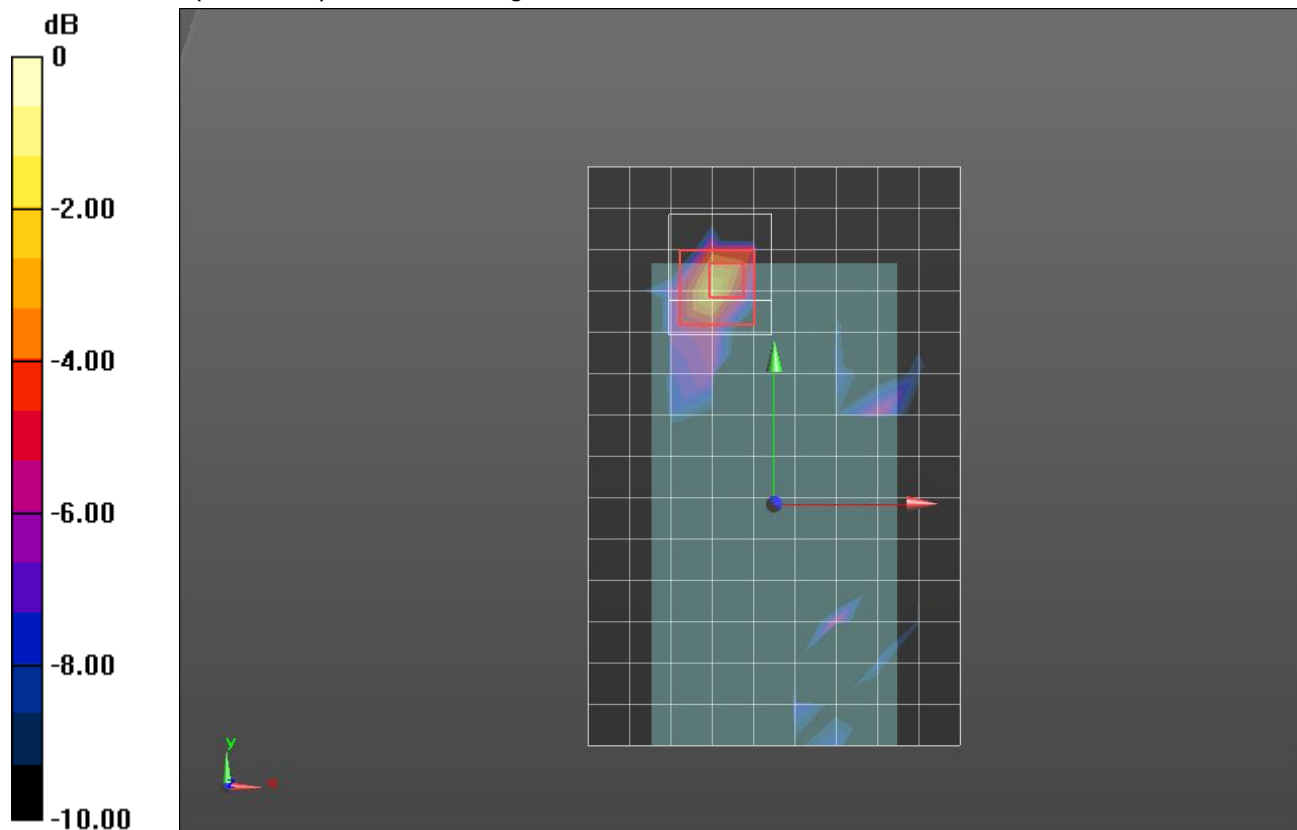
Bluetooth

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.923$ S/m; $\epsilon_r = 50.902$; $\rho = 1000$ kg/m³
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: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(6.66, 6.66, 6.66); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Front/GFSK_DH5_ch 39/Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.00551 W/kg

Front/GFSK_DH5_ch 39/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.598 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.0170 W/kg
SAR(1 g) = 0.00493 W/kg; SAR(10 g) = 0.00139 W/kg
Maximum value of SAR (measured) = 0.00834 W/kg



0 dB = 0.00834 W/kg = -20.79 dBW/kg