

## GSM850

Frequency: 836.6 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 42.097$ ;  $\rho = 1000$  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: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(9.98, 9.98, 9.98); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type; TP-1727;Serial; GF-VE 20

**LHS/VoIP Touch\_GPRS 3 slots\_ch 190/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.295 W/kg

**LHS/VoIP Touch\_GPRS 3 slots\_ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

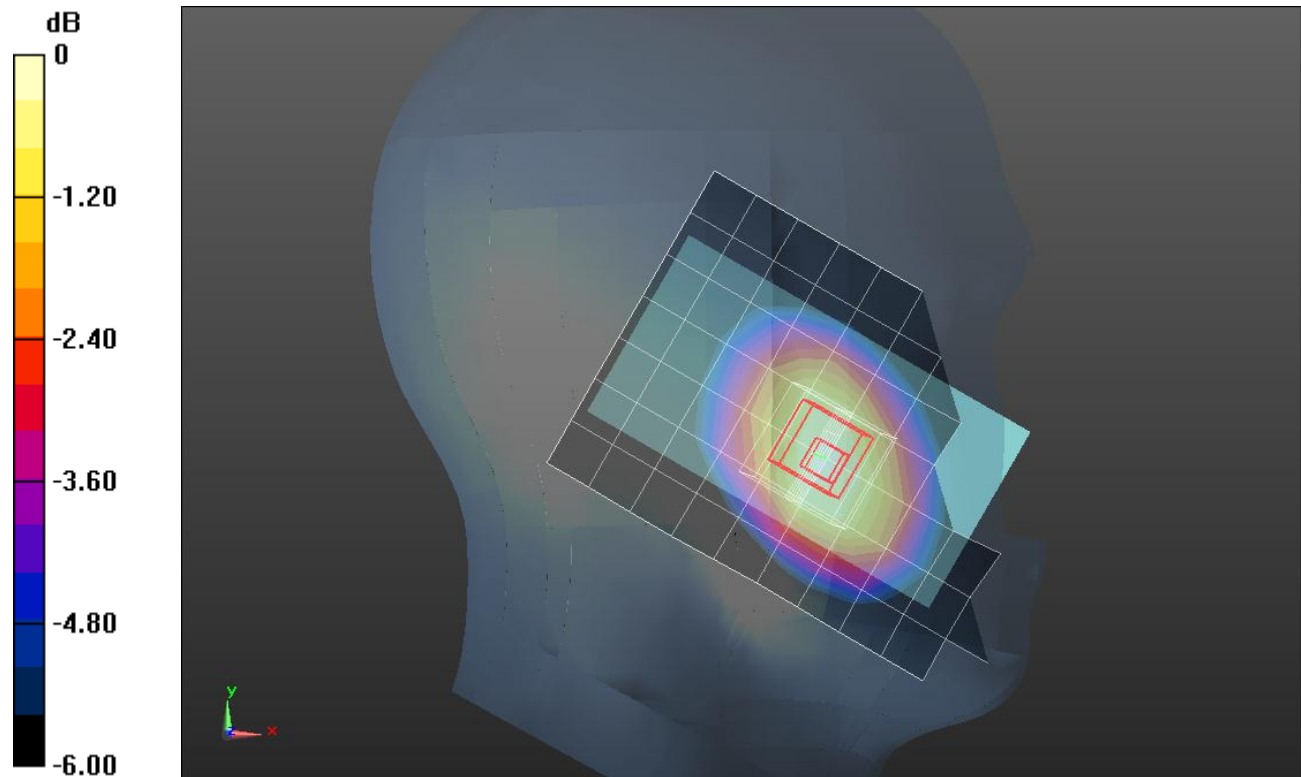
Reference Value = 17.825 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.351 W/kg

**SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.198 W/kg**

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

Maximum value of SAR (measured) = 0.300 W/kg



0 dB = 0.300 W/kg = -5.23 dBW/kg

## GSM850

Frequency: 836.6 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.011$  S/m;  $\epsilon_r = 52.864$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(9.82, 9.82, 9.82); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: QDOVA002AA; Serial: 1180

**Rear/GMSK\_Voice\_ch 190/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.575 W/kg

**Rear/GMSK\_Voice\_ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

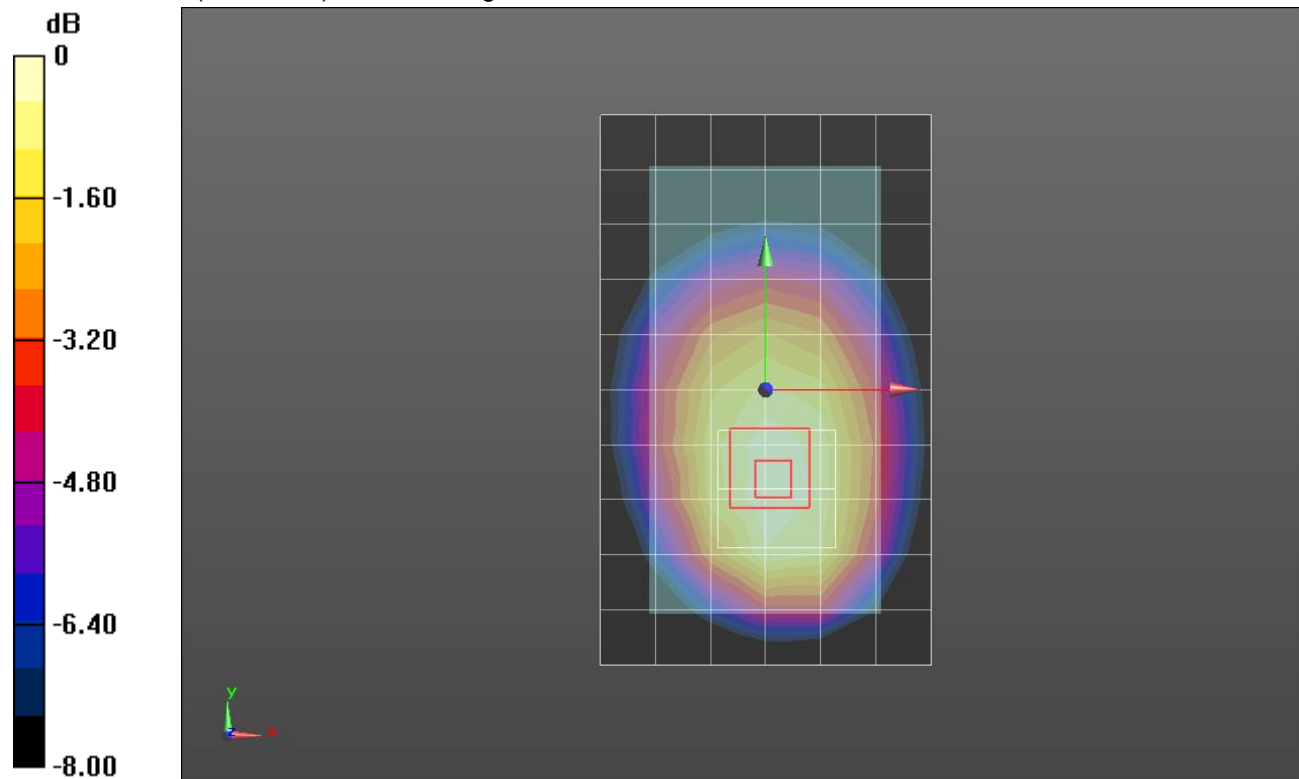
Reference Value = 24.287 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.669 W/kg

**SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.374 W/kg**

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

Maximum value of SAR (measured) = 0.582 W/kg



0 dB = 0.582 W/kg = -2.35 dBW/kg

## GSM850

Frequency: 836.6 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.011$  S/m;  $\epsilon_r = 52.864$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(9.82, 9.82, 9.82); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: QDOVA002AA; Serial: 1180

**Rear/GPRS 3 slots\_ch 190/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.661 W/kg

**Rear/GPRS 3 slots\_ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

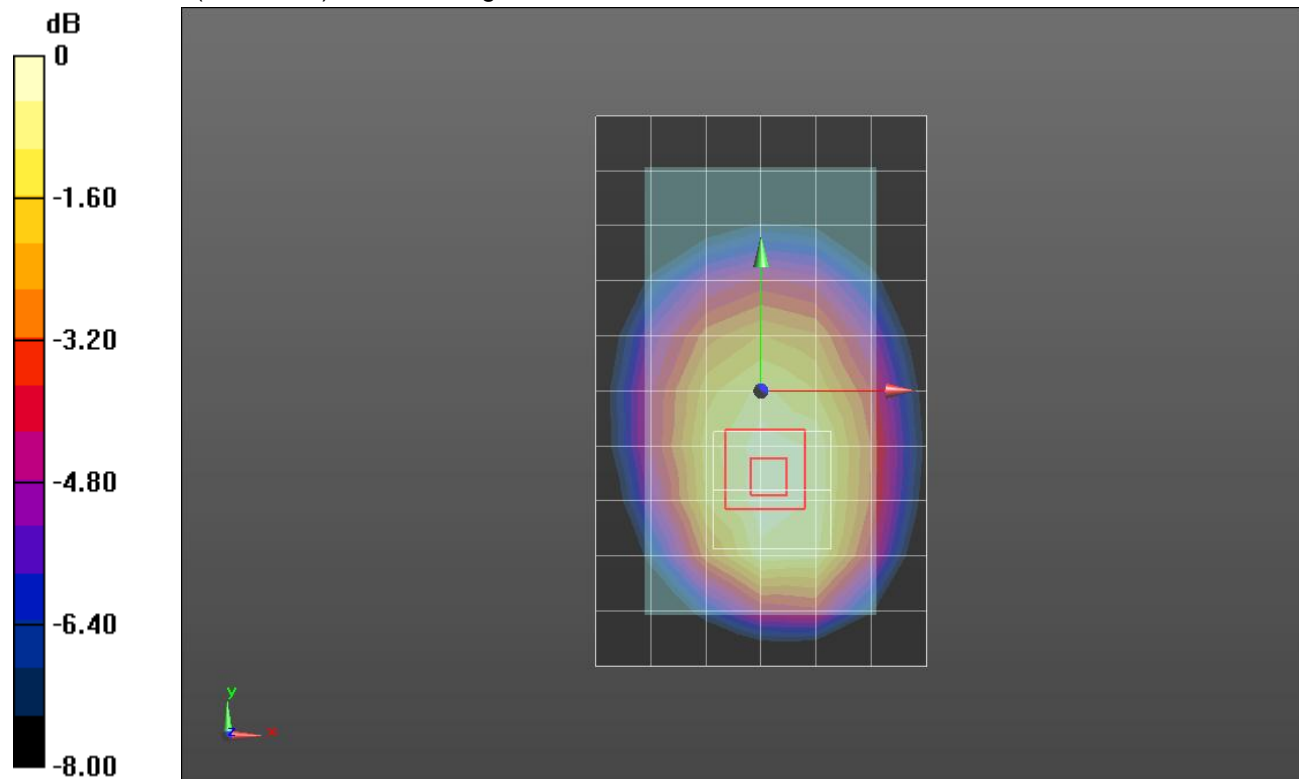
Reference Value = 26.251 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.783 W/kg

**SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.437 W/kg**

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

Maximum value of SAR (measured) = 0.681 W/kg



0 dB = 0.681 W/kg = -1.67 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;  $\sigma = 1.403$  S/m;  $\epsilon_r = 38.609$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1357; Calibrated: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(8.03, 8.03, 8.03); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type; TP-1727;Serial; GF-VE 20

**LHS/Touch\_GSM VoIP\_3 slots\_ch 661/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.810 W/kg

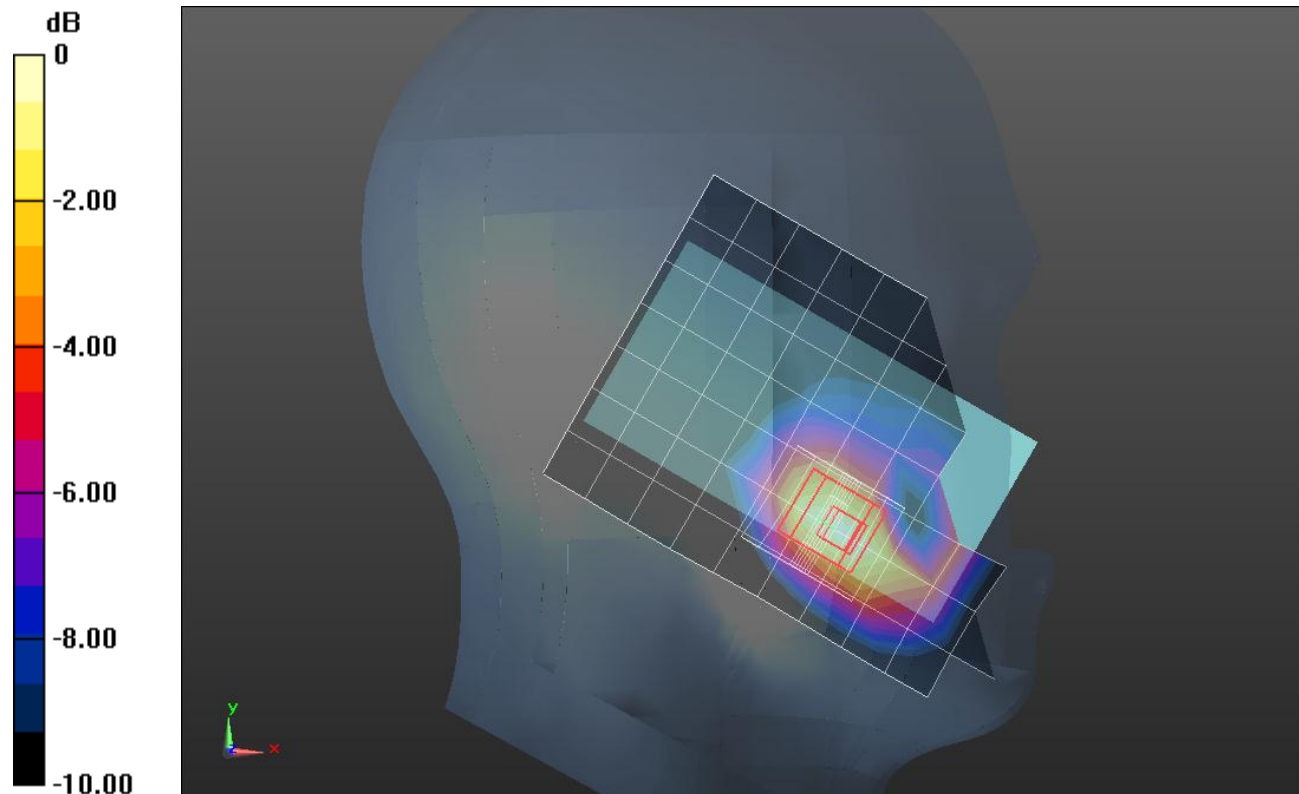
**LHS/Touch\_GSM VoIP\_3 slots\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.219 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.365 W/kg**

Maximum value of SAR (measured) = 0.801 W/kg



0 dB = 0.801 W/kg = -0.96 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;  $\sigma = 1.49$  S/m;  $\epsilon_r = 51.081$ ;  $\rho = 1000$  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: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(7.73, 7.73, 7.73); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: QDOVA002AA; Serial: 1180

**Front/GMSK\_Voice\_ch 661/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.702 W/kg

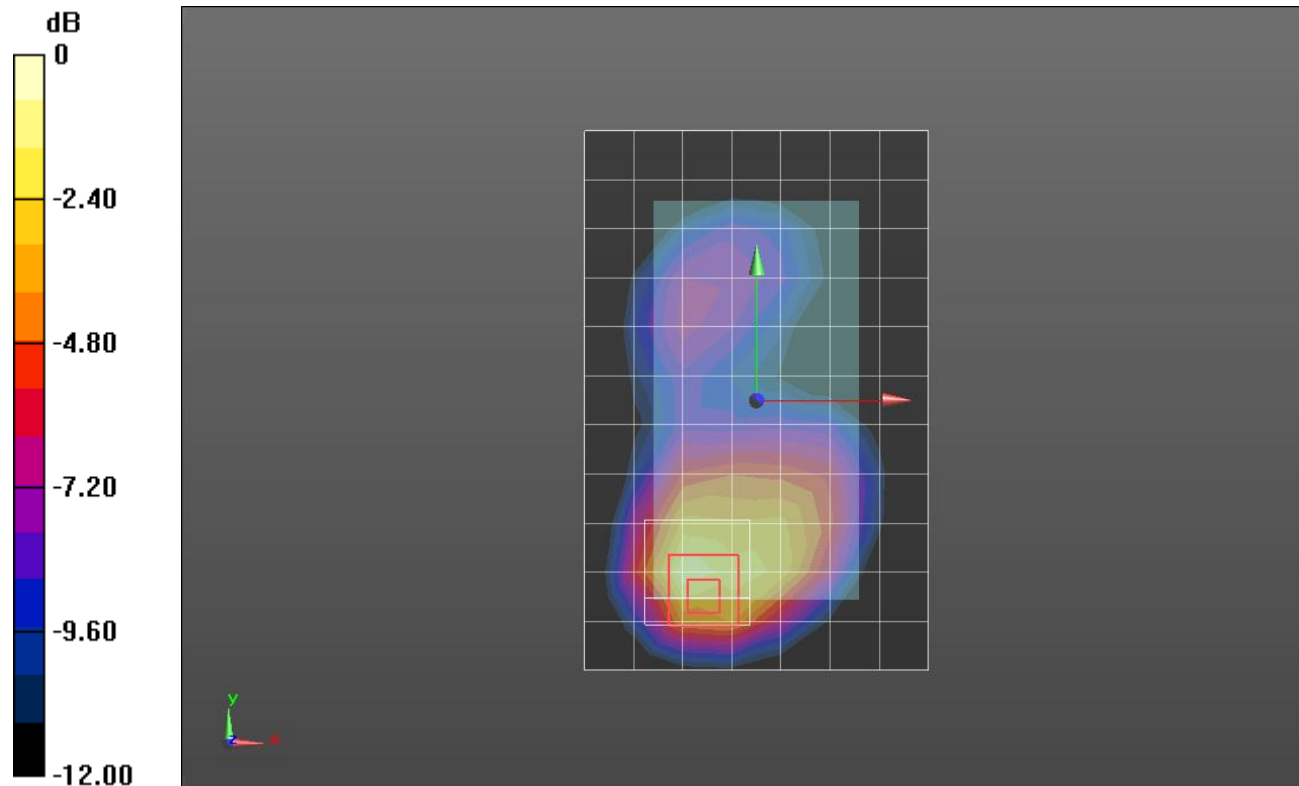
**Front/GMSK\_Voice\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.379 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.336 W/kg**

Maximum value of SAR (measured) = 0.858 W/kg



0 dB = 0.858 W/kg = -0.67 dBW/kg

## GSM1900

Frequency: 1909.8 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.52$  S/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  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: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(7.73, 7.73, 7.73); Calibrated: 2/13/2013;
- 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: QDOVA002AA; Serial: 1180

**Front/GPRS 3 slots\_ch 810/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.886 W/kg

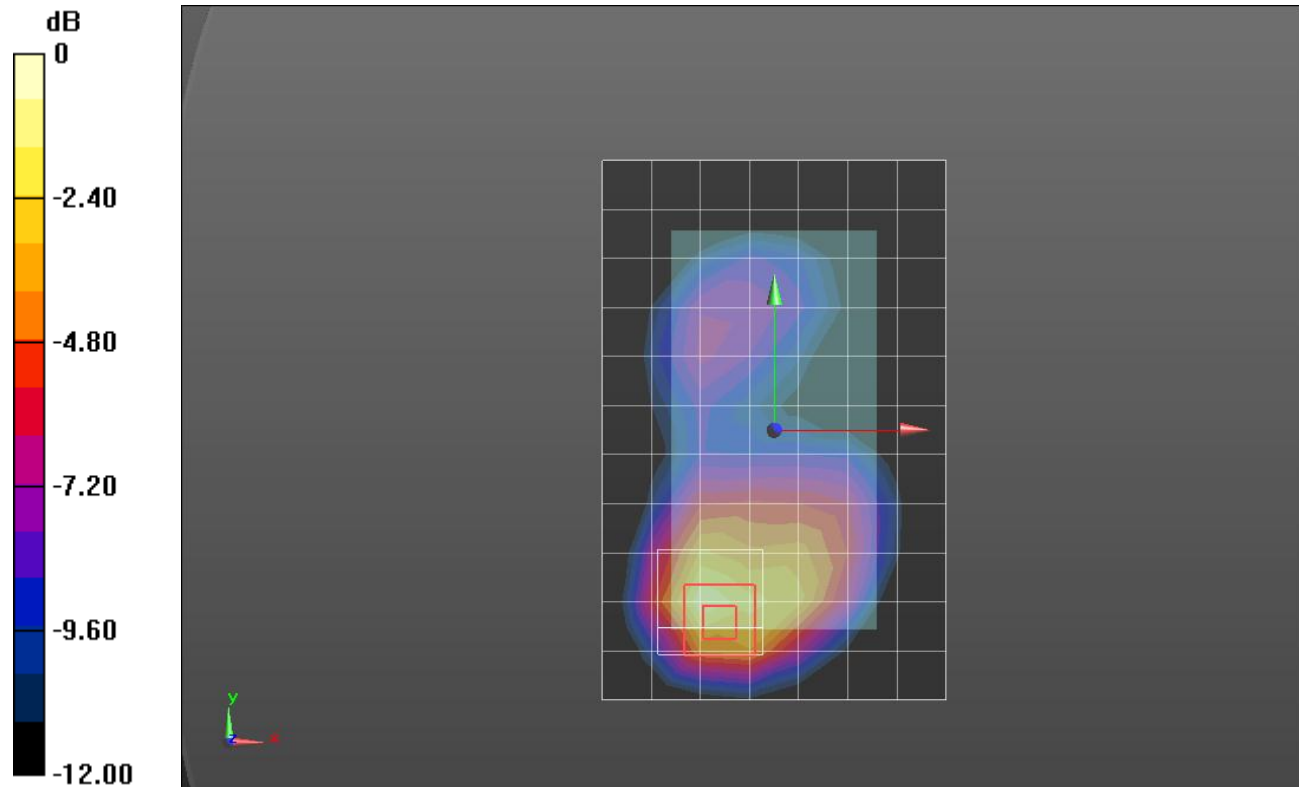
**Front/GPRS 3 slots\_ch 810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.406 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.402 W/kg**

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



0 dB = 1.05 W/kg = 0.21 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;  $\sigma = 0.932$  S/m;  $\epsilon_r = 42.097$ ;  $\rho = 1000$  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: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(9.98, 9.98, 9.98); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type; TP-1727;Serial; GF-VE 20

**LHS/Touch\_Rel.99\_RMC\_12.2kbps\_CH\_4183/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.197 W/kg

**LHS/Touch\_Rel.99\_RMC\_12.2kbps\_CH\_4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

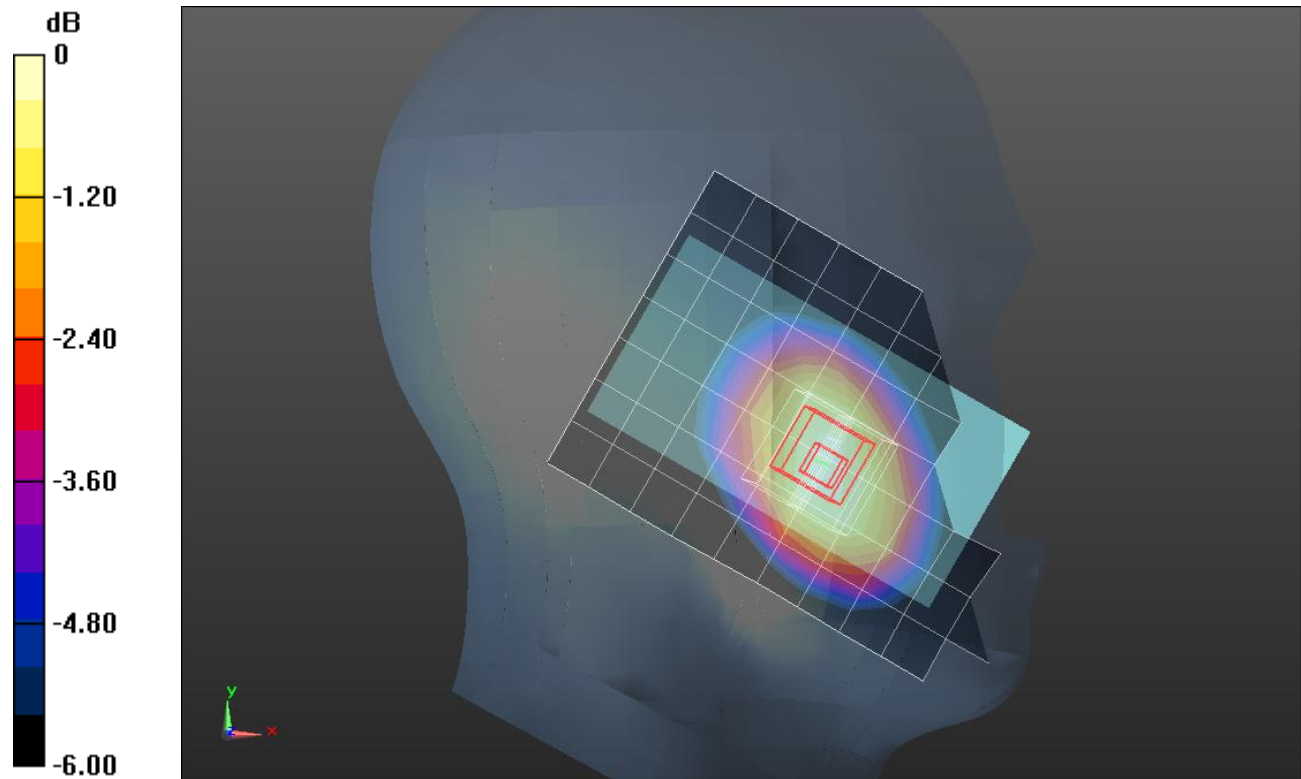
Reference Value = 14.418 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.227 W/kg

**SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.129 W/kg**

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

Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.194 W/kg = -7.12 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;  $\sigma = 1.011$  S/m;  $\epsilon_r = 52.864$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(9.82, 9.82, 9.82); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 B; Type: QDOVA002AA; Serial: 1163

**Rear/Rel.99\_RMC\_12.2kbps\_CH\_4183/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.439 W/kg

**Rear/Rel.99\_RMC\_12.2kbps\_CH\_4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

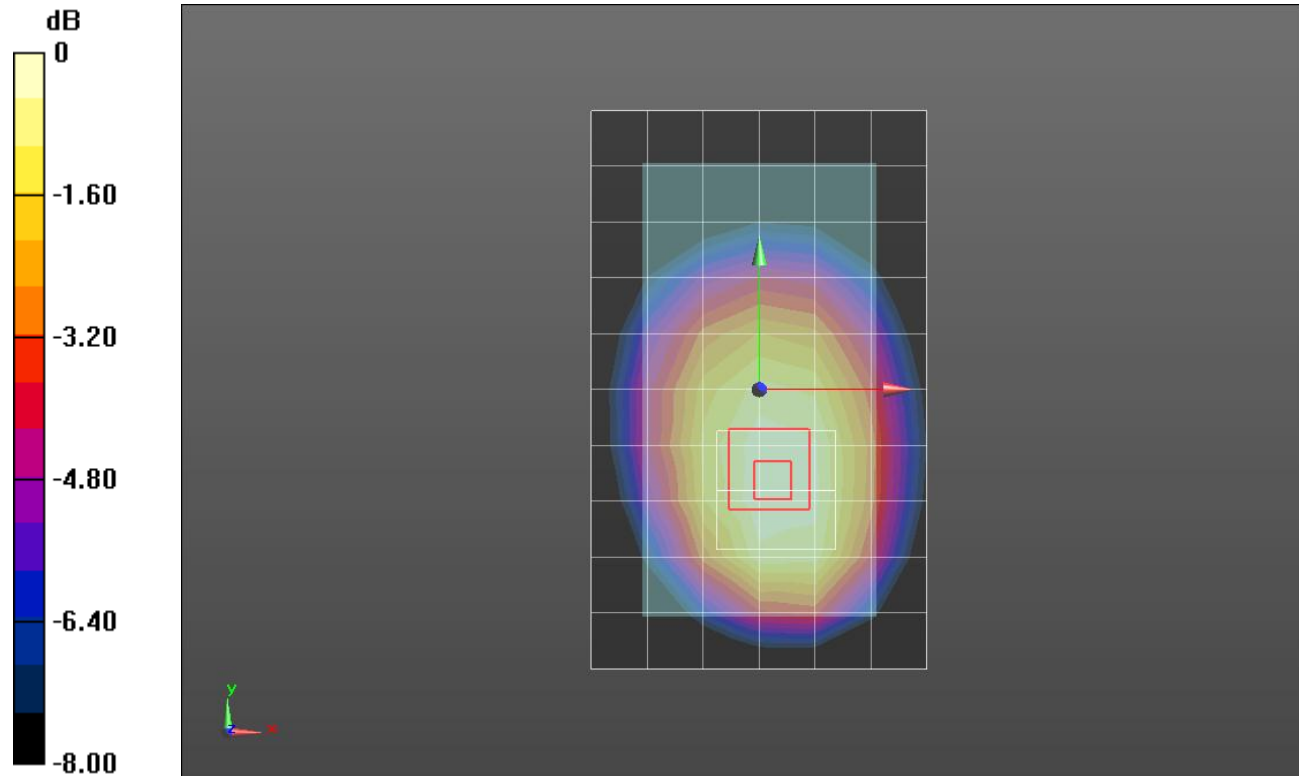
Reference Value = 20.948 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.511 W/kg

**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.287 W/kg**

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

Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.445 W/kg = -3.52 dBW/kg

## 20130506\_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;  $\sigma = 1.403$  S/m;  $\epsilon_r = 38.609$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1357; Calibrated: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(8.03, 8.03, 8.03); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type; TP-1727;Serial; GF-VE 20

**LHS/Touch\_Rel.99\_RMC\_12.2kbps\_CH\_9400/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.637 W/kg

**LHS/Touch\_Rel.99\_RMC\_12.2kbps\_CH\_9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

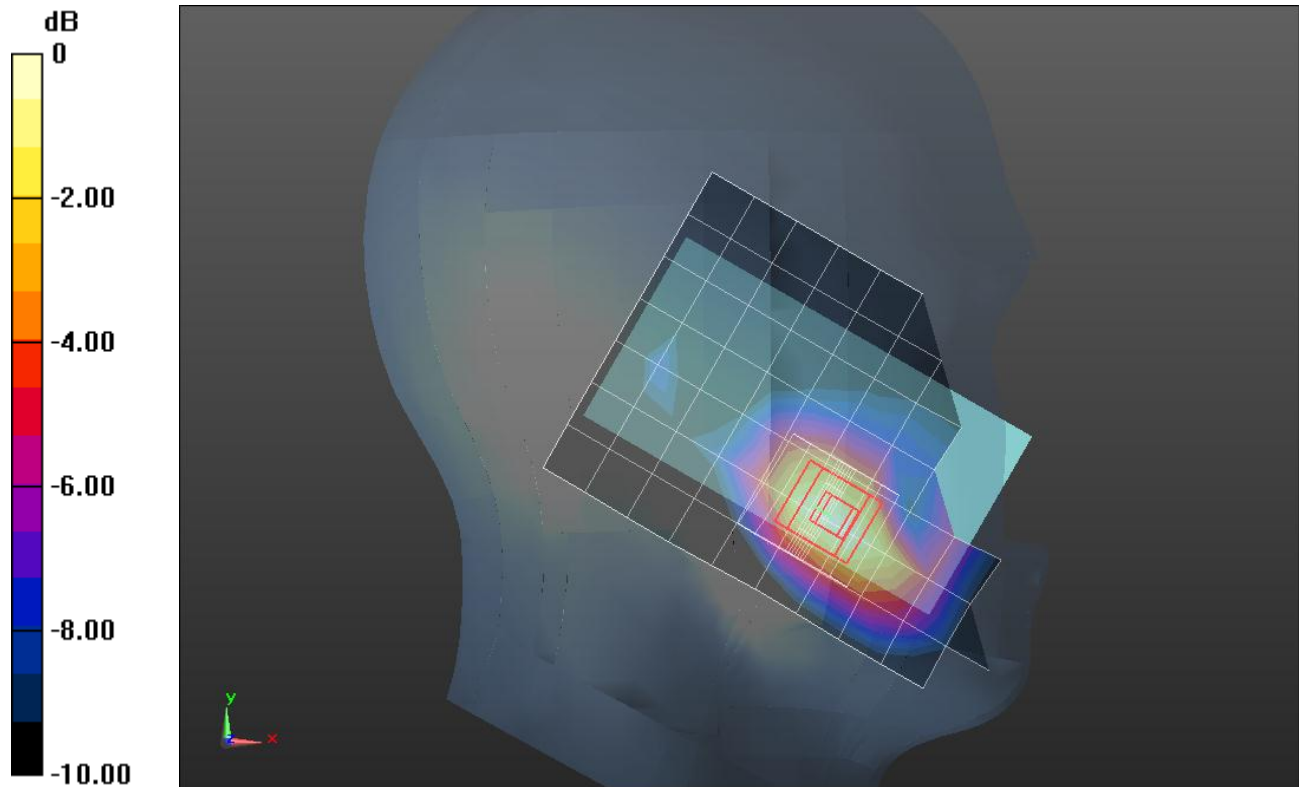
dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.571 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.803 W/kg

**SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.305 W/kg**

Maximum value of SAR (measured) = 0.650 W/kg



0 dB = 0.650 W/kg = -1.87 dBW/kg

## W-CDMA Band II

Frequency: 1852.4 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 51.201$ ;  $\rho = 1000$  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: 2/5/2013
- Probe: EX3DV4 - SN3901; ConvF(7.73, 7.73, 7.73); Calibrated: 2/13/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: QDOVA002AA; Serial: 1180

**Front/Rel.99\_RMC\_12.2kbps\_CH\_9262/Area Scan 2 (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

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

**Front/Rel.99\_RMC\_12.2kbps\_CH\_9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

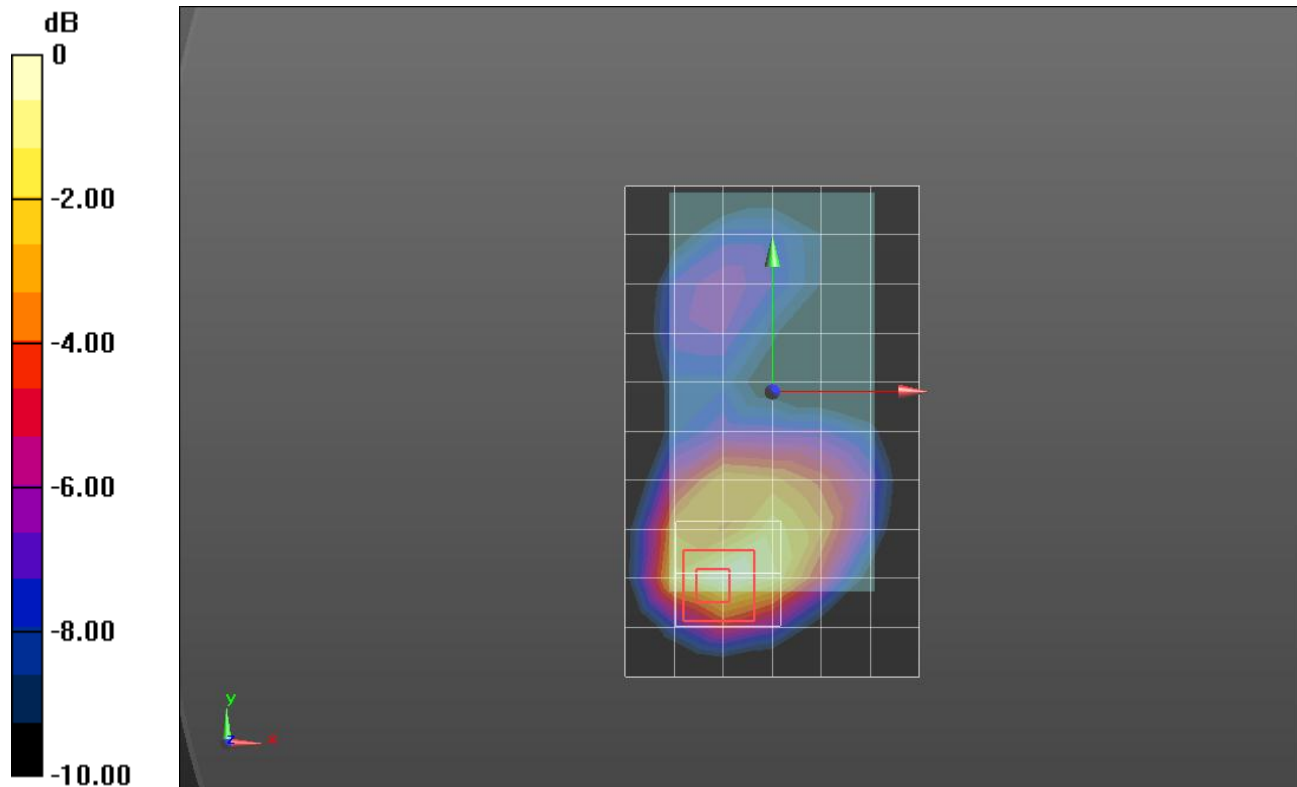
Reference Value = 26.291 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.777 W/kg; SAR(10 g) = 0.403 W/kg**

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

Maximum value of SAR (measured) = 0.990 W/kg



0 dB = 0.990 W/kg = -0.04 dBW/kg

## 20130507\_Head\_WiFi 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;  $\sigma = 1.801$  S/m;  $\epsilon_r = 37.977$ ;  $\rho = 1000$  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 Sn1352; Calibrated: 10/8/2012
- Probe: EX3DV4 - SN3885; ConvF(6.97, 6.97, 6.97); Calibrated: 10/9/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type; QD 000 P40 CD; Serial; 1740

**LHS/Touch\_802.11b\_ch 6/Area Scan (9x13x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.163 W/kg

**LHS/Touch\_802.11b\_ch 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

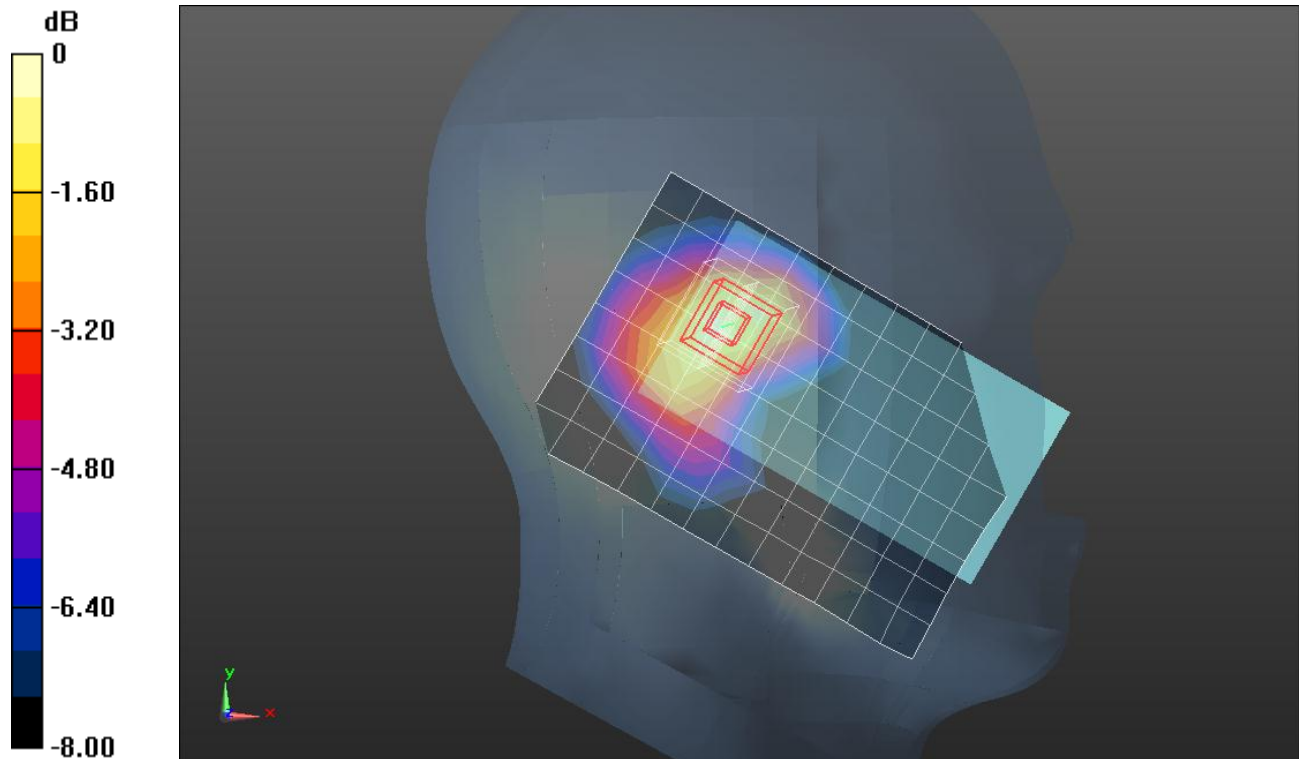
Reference Value = 9.715 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.231 W/kg

**SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.069 W/kg**

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

Maximum value of SAR (measured) = 0.166 W/kg



0 dB = 0.166 W/kg = -7.80 dBW/kg

## 20130507\_Body\_Wifi 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;  $\sigma = 1.874$  S/m;  $\epsilon_r = 52.639$ ;  $\rho = 1000$  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 Sn1352; Calibrated: 10/8/2012
- Probe: EX3DV4 - SN3885; ConvF(6.8, 6.8, 6.8); Calibrated: 10/9/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1185

**Rear/802.11b\_ch 6/Area Scan (10x14x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.218 W/kg

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

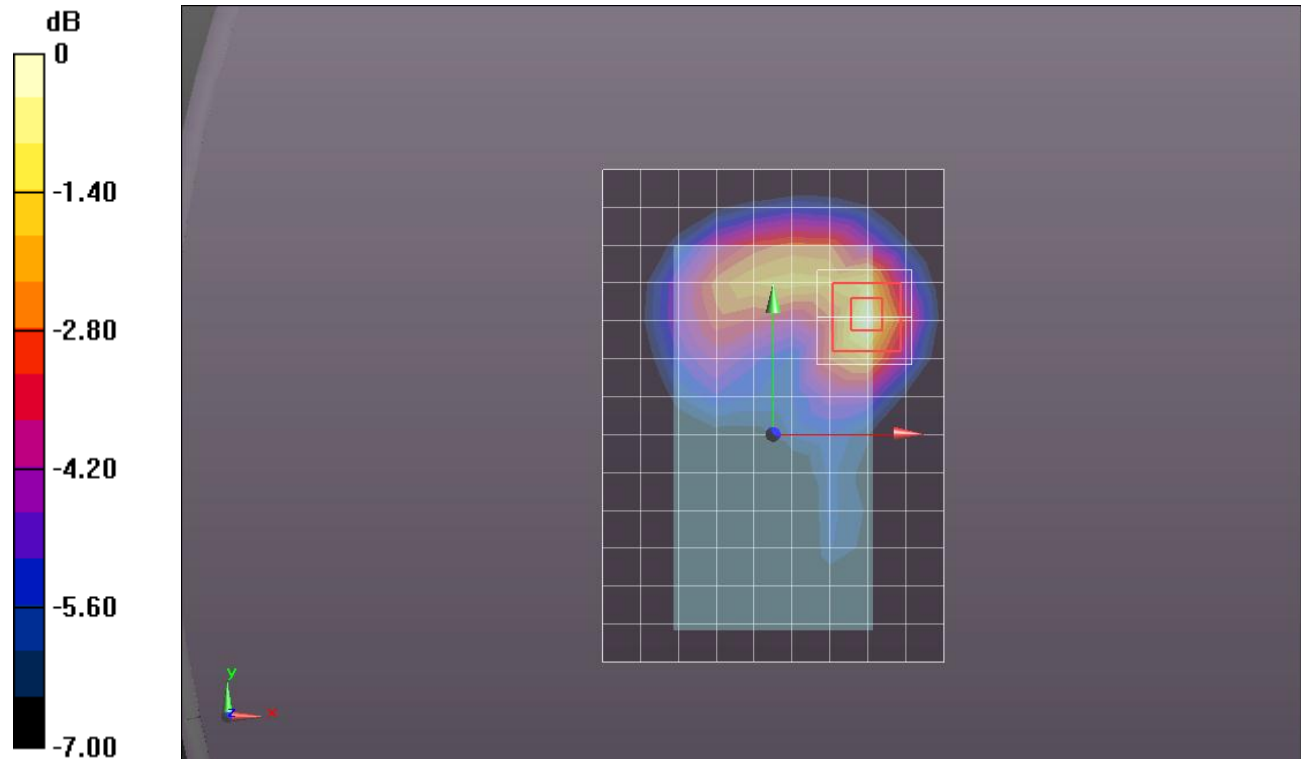
Reference Value = 7.544 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.330 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.084 W/kg**

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

Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg = -6.52 dBW/kg