

Test Laboratory: Compliance Certification Services

## UMTS1900 Left Hand Side

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.99, 8.99, 8.99); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 10/20/2008
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**L-Touch - L-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.21 mW/g

**L-Touch - L-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

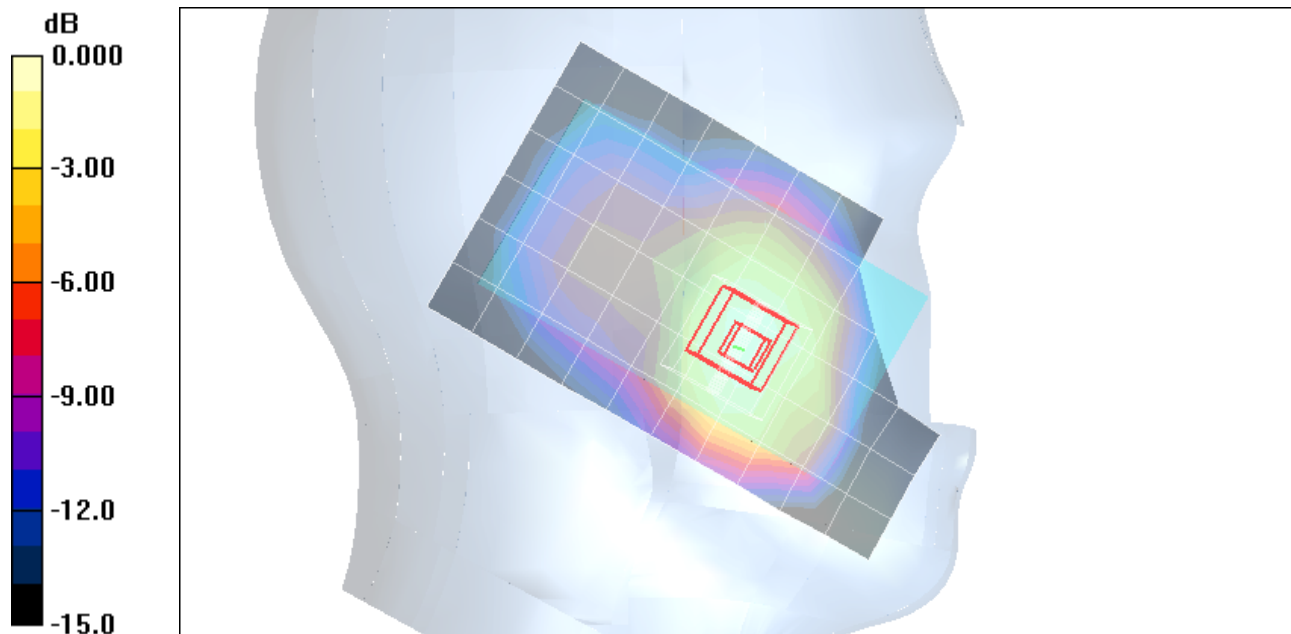
Reference Value = 11.6 V/m; Power Drift = 0.230 dB

Peak SAR (extrapolated) = 1.59 W/kg

**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.794 mW/g**

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

Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31mW/g

Test Laboratory: Compliance Certification Services

### UMTS1900 Left Hand Side

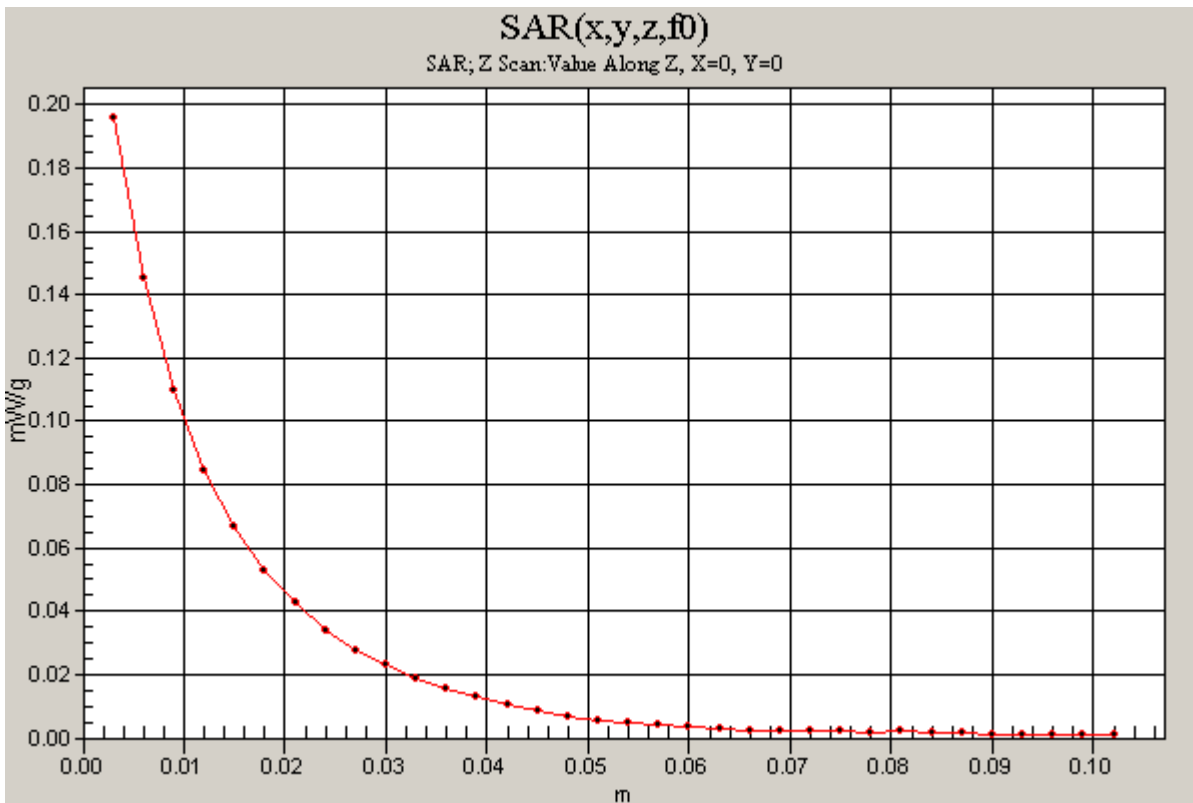
DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1

**L-Touch - L-ch/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm

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

Maximum value of SAR (measured) = 0.196 mW/g



Test Laboratory: Compliance Certification Services

## UMTS1900 Left Hand Side

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

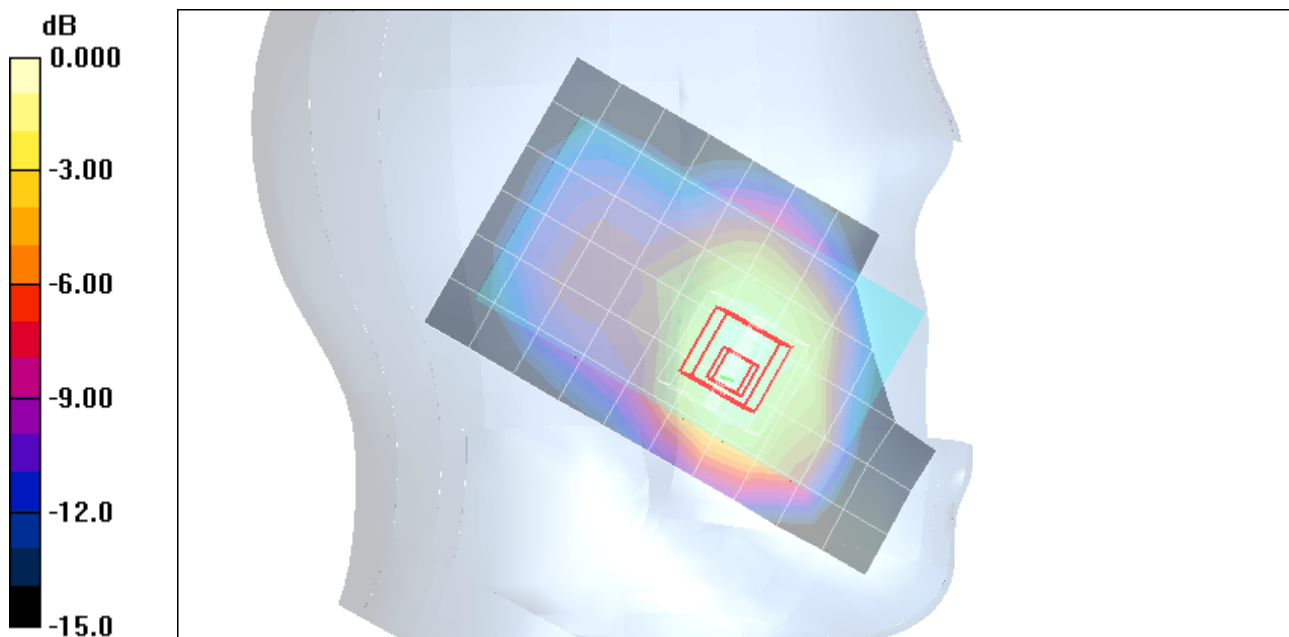
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.99, 8.99, 8.99); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 10/20/2008
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**L-Touch - M-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 1.20 mW/g

**L-Touch - M-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm  
Reference Value = 11.6 V/m; Power Drift = -0.004 dB  
Peak SAR (extrapolated) = 1.52 W/kg  
**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.752 mW/g**  
Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28mW/g

Test Laboratory: Compliance Certification Services

## UMTS1900 Left Hand Side

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 41.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.99, 8.99, 8.99); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 10/20/2008
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**L-Touch - H-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.14 mW/g

**L-Touch - H-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

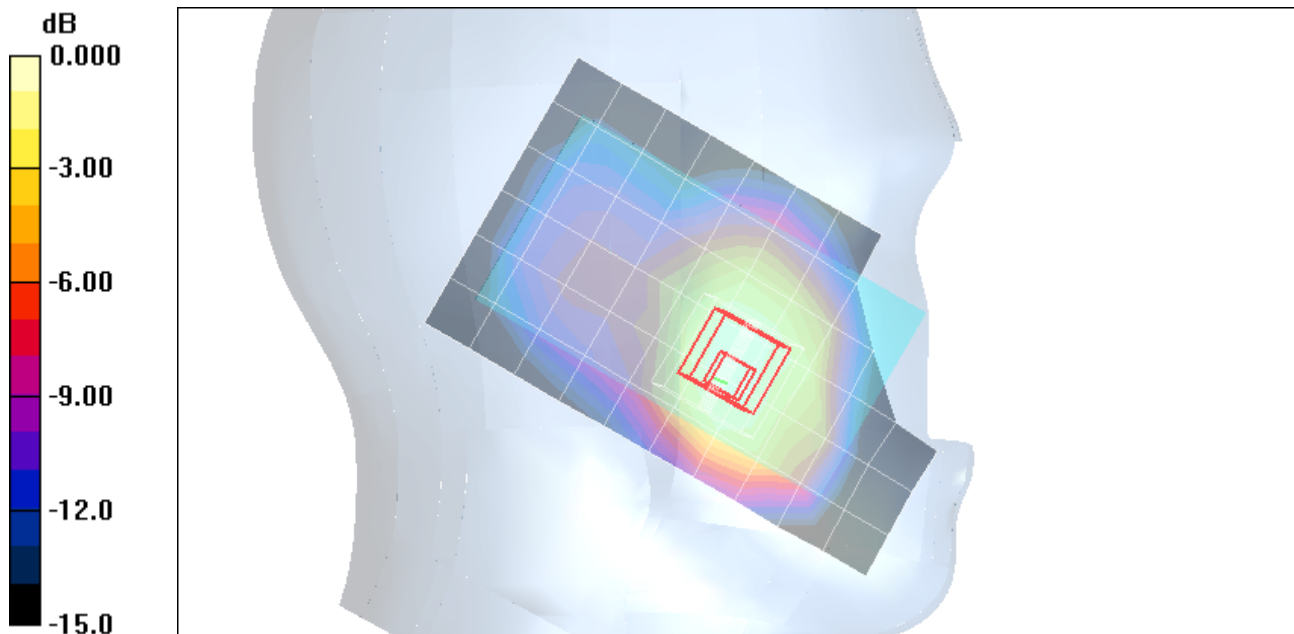
Reference Value = 10.4 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.688 mW/g**

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

Maximum value of SAR (measured) = 1.20 mW/g



0 dB = 1.20mW/g

Test Laboratory: Compliance Certification Services

## UMTS1900 Left Hand Side

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.99, 8.99, 8.99); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 10/20/2008
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**L-Tilt - M-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.438 mW/g

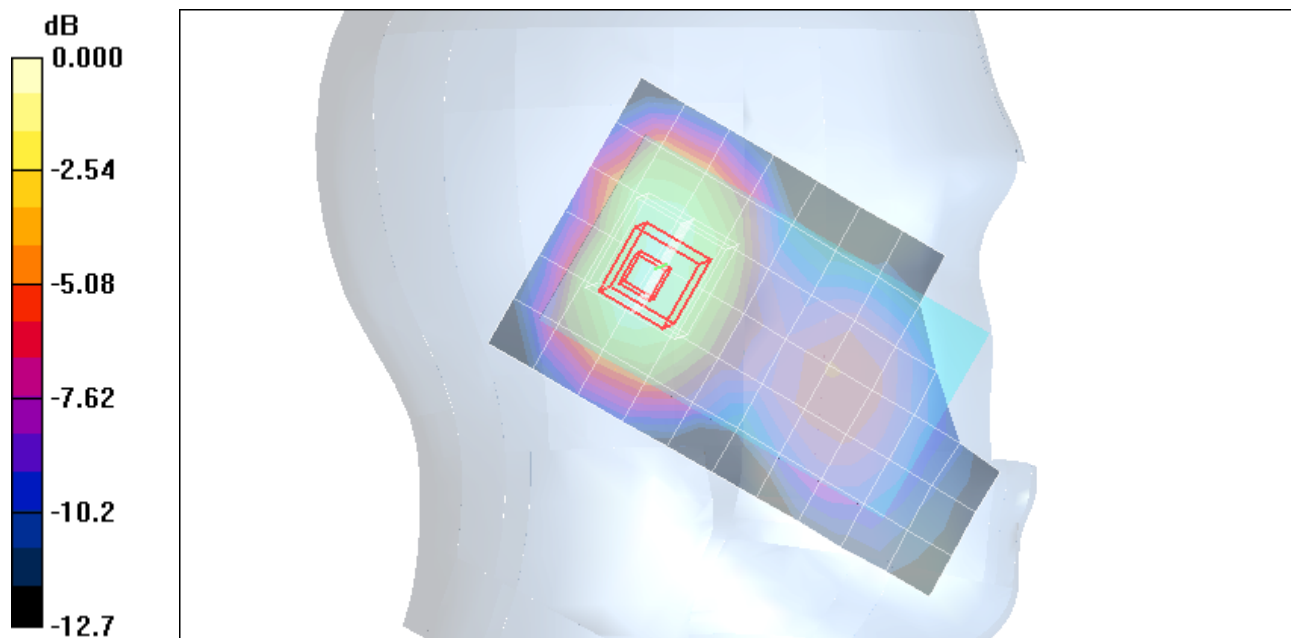
**L-Tilt - M-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 14.8 V/m; Power Drift = 0.151 dB

Peak SAR (extrapolated) = 0.593 W/kg

**SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.241 mW/g**

Maximum value of SAR (measured) = 0.454 mW/g



0 dB = 0.454mW/g

Test Laboratory: Compliance Certification Services

## UMTS1900 Right Hand Side

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.99, 8.99, 8.99); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 10/20/2008
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**R-Touch - L-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.24 mW/g

**R-Touch - L-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

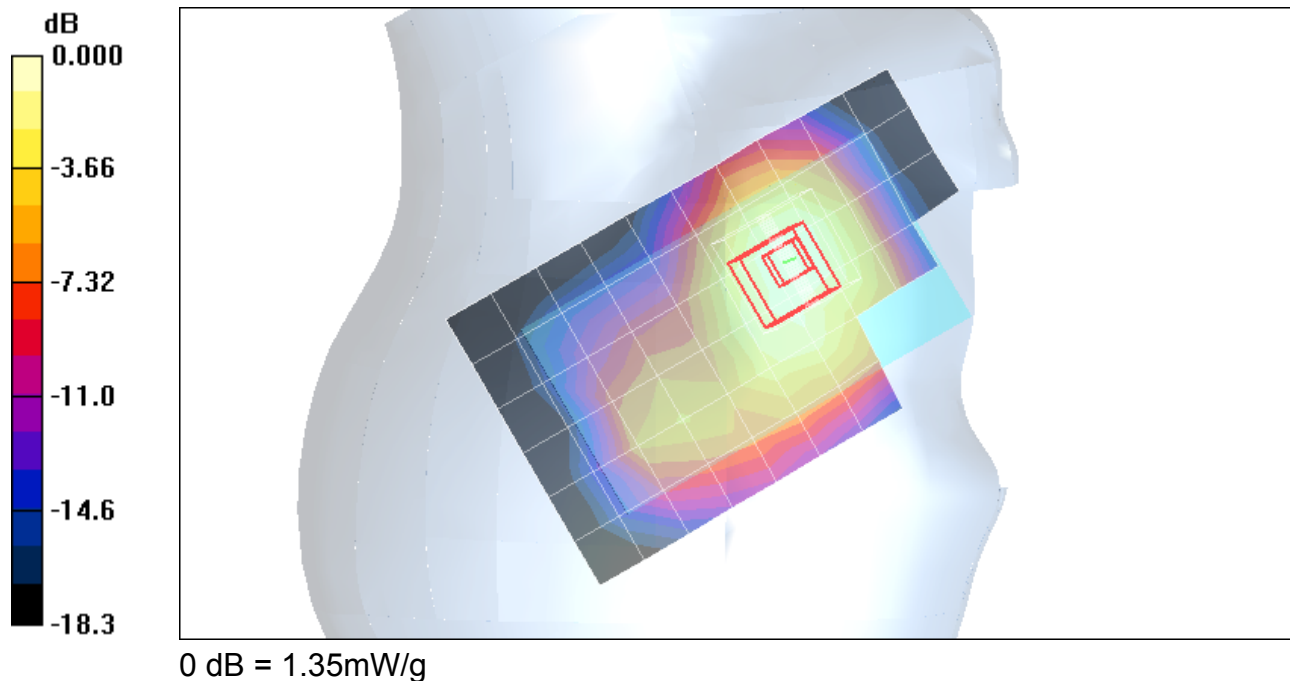
Reference Value = 12.6 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.787 mW/g**

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

Maximum value of SAR (measured) = 1.35 mW/g



Test Laboratory: Compliance Certification Services

### UMTS1900 Right Hand Side

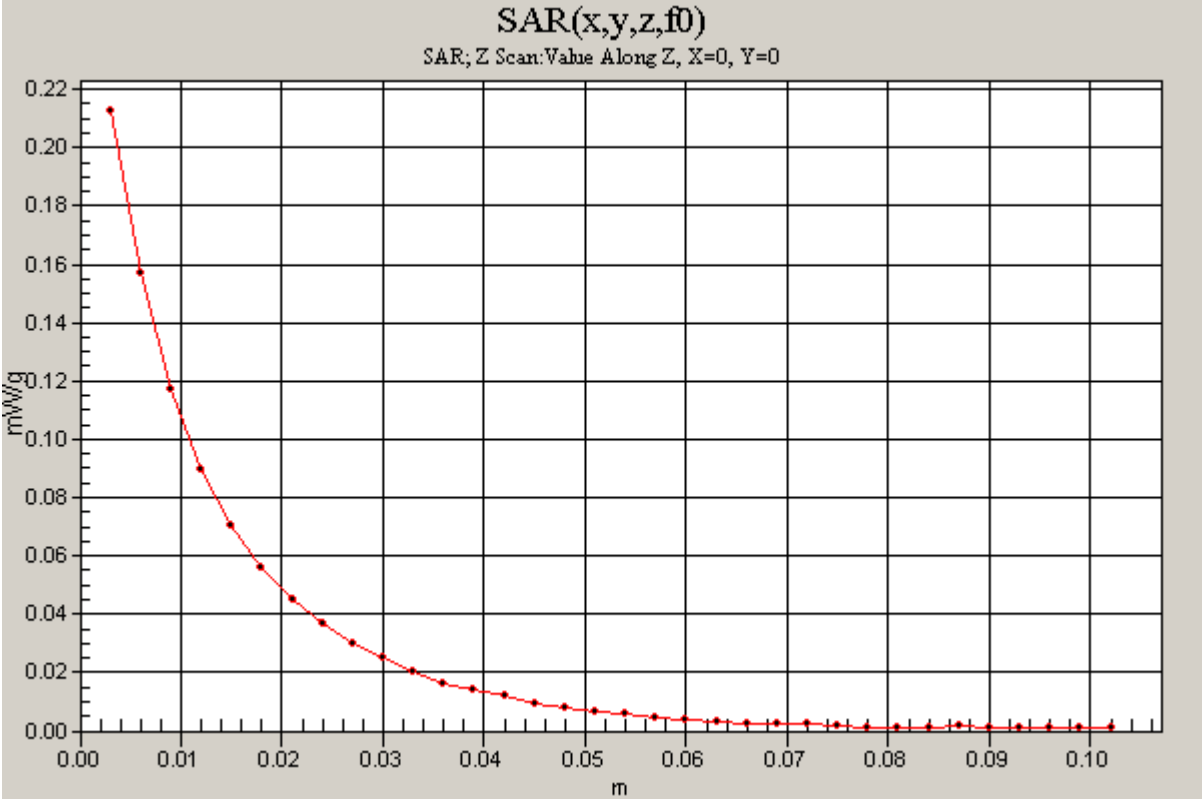
DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1

**R-Touch - L-ch/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm

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

Maximum value of SAR (measured) = 0.213 mW/g



Test Laboratory: Compliance Certification Services

## UMTS1900 Right Hand Side

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.4 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

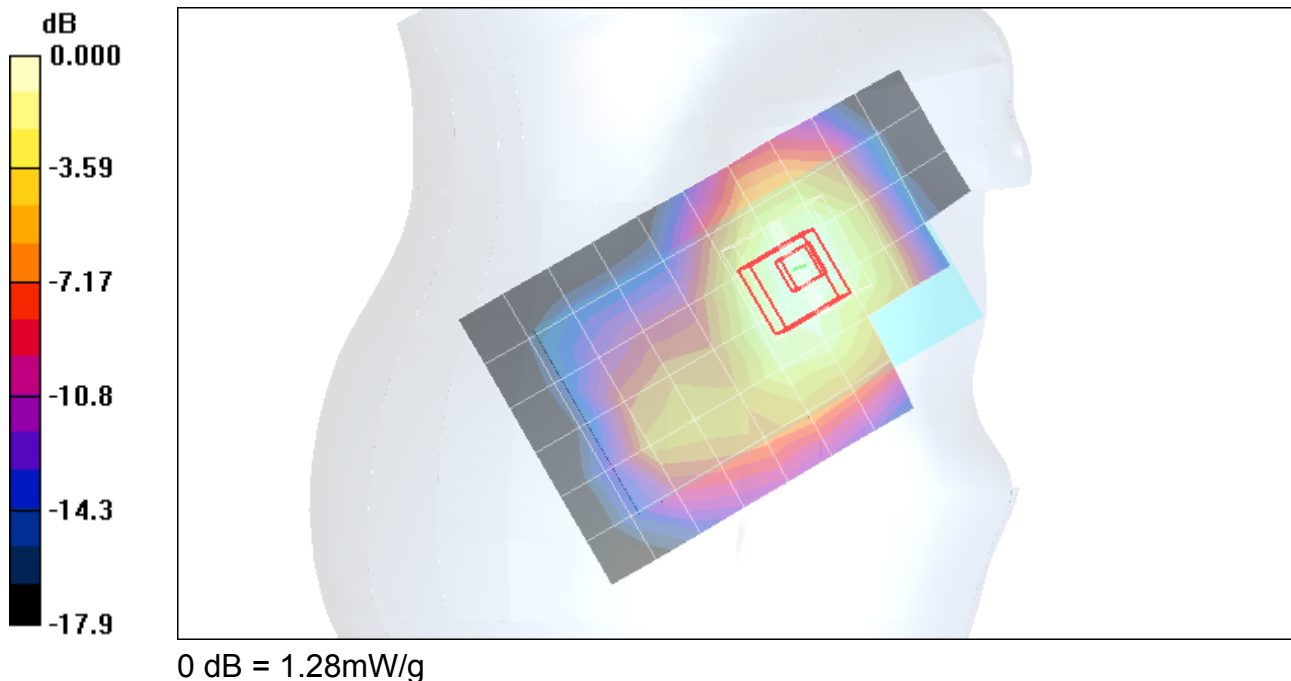
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.99, 8.99, 8.99); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 10/20/2008
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**R-Touch - M-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 1.27 mW/g

**R-Touch - M-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm  
Reference Value = 12.6 V/m; Power Drift = -0.099 dB  
Peak SAR (extrapolated) = 1.60 W/kg  
**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.755 mW/g**  
Maximum value of SAR (measured) = 1.28 mW/g





Test Laboratory: Compliance Certification Services

# UMTS1900 Right Hand Side

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1907.6 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 41.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

- DASY4 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
  - Probe: EX3DV3 - SN3531; ConvF(8.99, 8.99, 8.99); Calibrated: 4/23/2008
  - Sensor-Surface: 3mm (Mechanical Surface Detection)
  - Electronics: DAE3 Sn427; Calibrated: 10/20/2008
  - Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
  - Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## R-Touch - H-ch/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.13 mW/g

## R-Touch - H-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

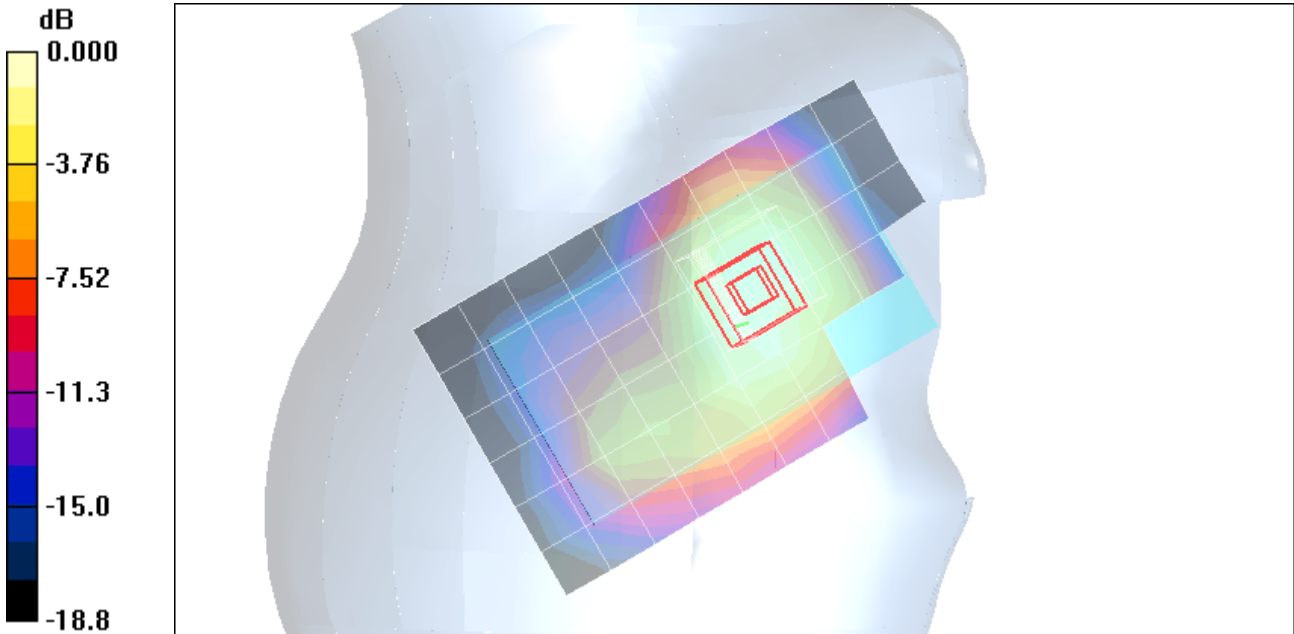
Reference Value = 10.7 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.663 mW/g**

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

Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14mW/g

Test Laboratory: Compliance Certification Services

## UMTS1900 Right Hand Side

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.99, 8.99, 8.99); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 10/20/2008
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**R-Tilt - M-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.627 mW/g

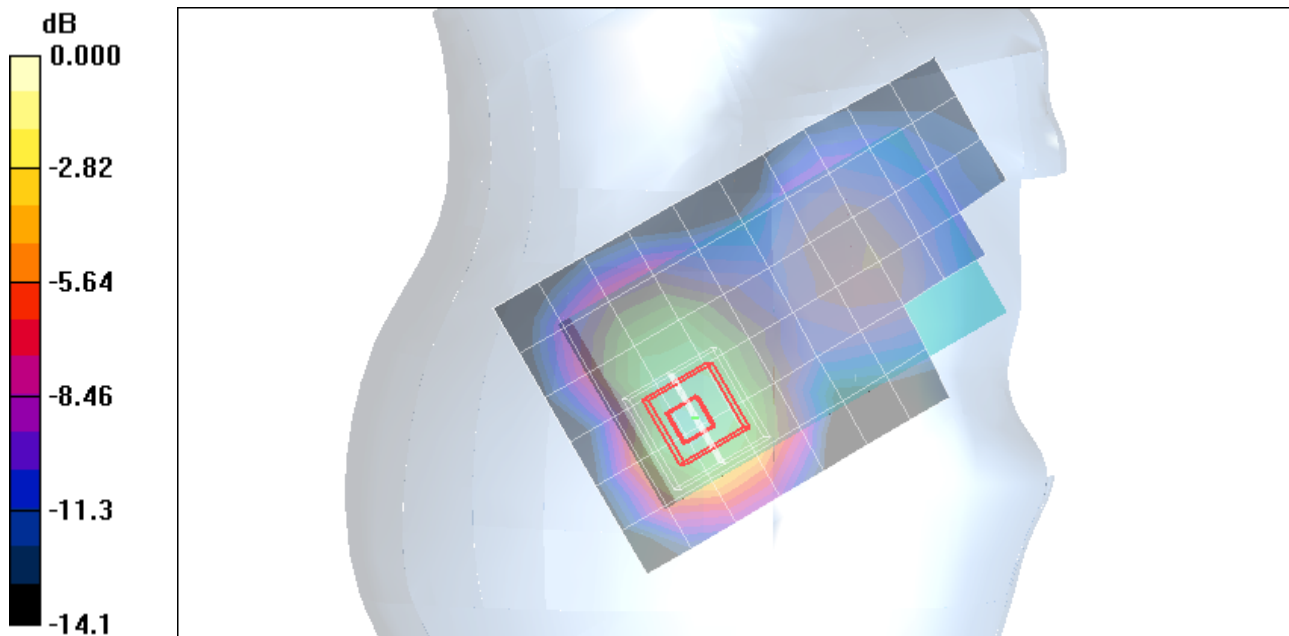
**R-Tilt - M-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 18.3 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.819 W/kg

**SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.328 mW/g**

Maximum value of SAR (measured) = 0.646 mW/g



0 dB = 0.646mW/g

Test Laboratory: Compliance Certification Services

## UMTS1900 Body

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.7, 8.7, 8.7); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**LCD up - Rel 99 Mid-ch/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.307 mW/g

**LCD up - Rel 99 Mid-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 11.7 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.420 W/kg

**SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.184 mW/g**

Maximum value of SAR (measured) = 0.330 mW/g

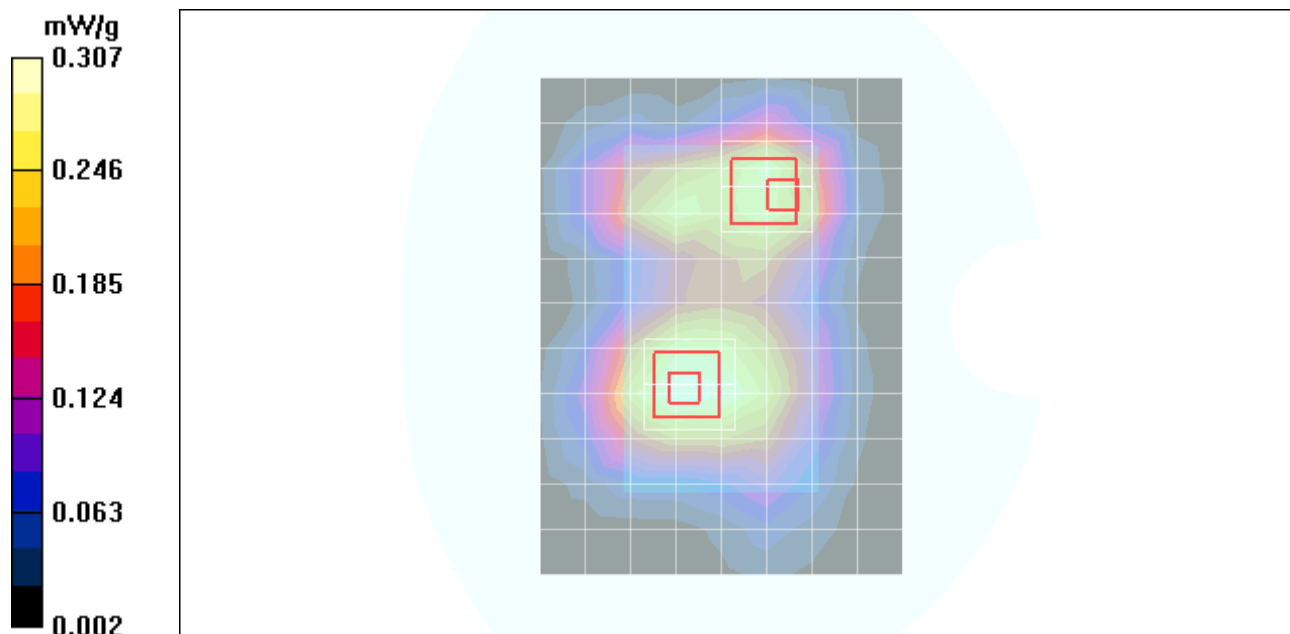
**LCD up - Rel 99 Mid-ch/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 11.7 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.403 W/kg

**SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.149 mW/g**

Maximum value of SAR (measured) = 0.291 mW/g



Test Laboratory: Compliance Certification Services

## UMTS1900 Body

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.7, 8.7, 8.7); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**LCD down - Rel 99 Mid-ch/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.350 mW/g

**LCD down - Rel 99 Mid-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,

dz=3mm

Reference Value = 11.3 V/m; Power Drift = -0.855 dB

Peak SAR (extrapolated) = 0.514 W/kg

**SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.200 mW/g**

Maximum value of SAR (measured) = 0.395 mW/g

**LCD down - Rel 99 Mid-ch/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=5mm, dy=5mm,

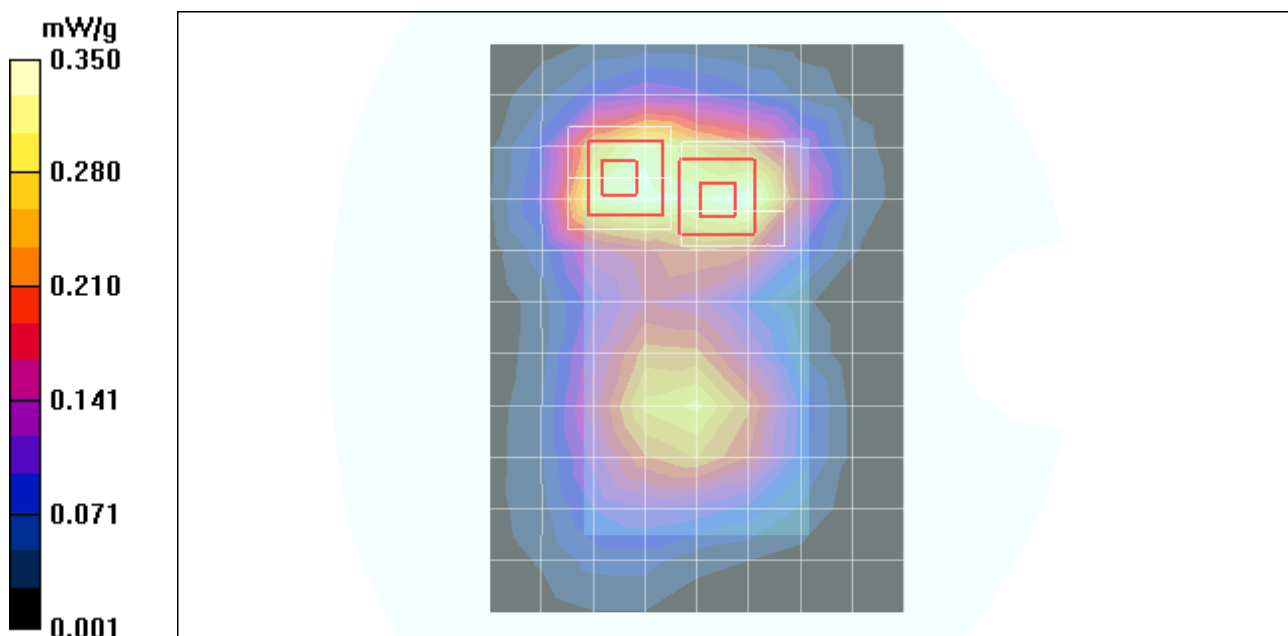
dz=3mm

Reference Value = 11.3 V/m; Power Drift = -0.855 dB

Peak SAR (extrapolated) = 0.465 W/kg

**SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.187 mW/g**

Maximum value of SAR (measured) = 0.356 mW/g



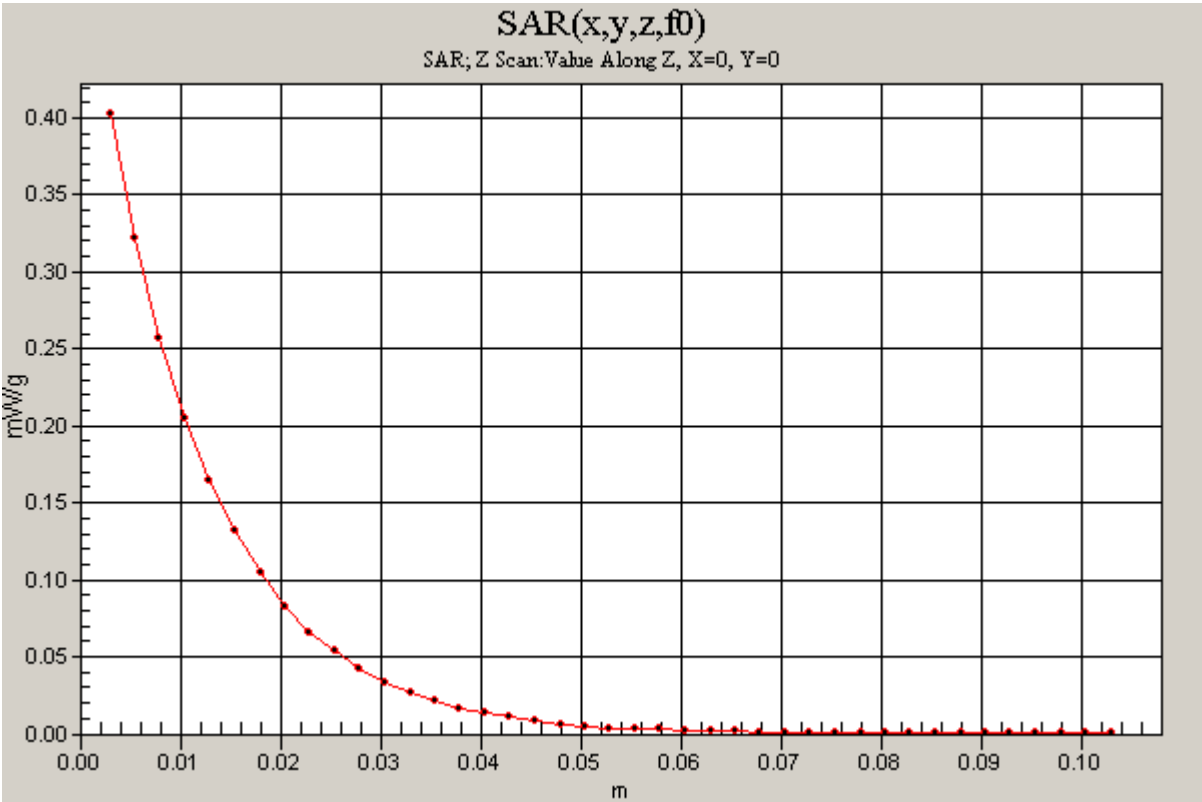
Test Laboratory: Compliance Certification Services

### UMTS1900 Body

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:1

**LCD down - Rel 99 Mid-ch/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 0.403 mW/g



Test Laboratory: Compliance Certification Services

## UMTS1900 Body

DUT: Apple; Type: iPhone; Serial: 8891002C3NQ

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.7, 8.7, 8.7); Calibrated: 4/23/2008
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**LCD down - HSDPA Mid-ch/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.355 mW/g

**LCD down - HSDPA Mid-ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,

dz=3mm

Reference Value = 11.5 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.517 W/kg

**SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.200 mW/g**

Maximum value of SAR (measured) = 0.390 mW/g

**LCD down - HSDPA Mid-ch/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=5mm, dy=5mm,

dz=3mm

Reference Value = 11.5 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.469 W/kg

**SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.190 mW/g**

Maximum value of SAR (measured) = 0.360 mW/g

