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Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GSM 850-Right Head Cheek Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 41.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GSM850/Right Head Cheek Middle CH190/Area Scan (8x12x1): Measurement**

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0523 W/kg

**GSM850/Right Head Cheek Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

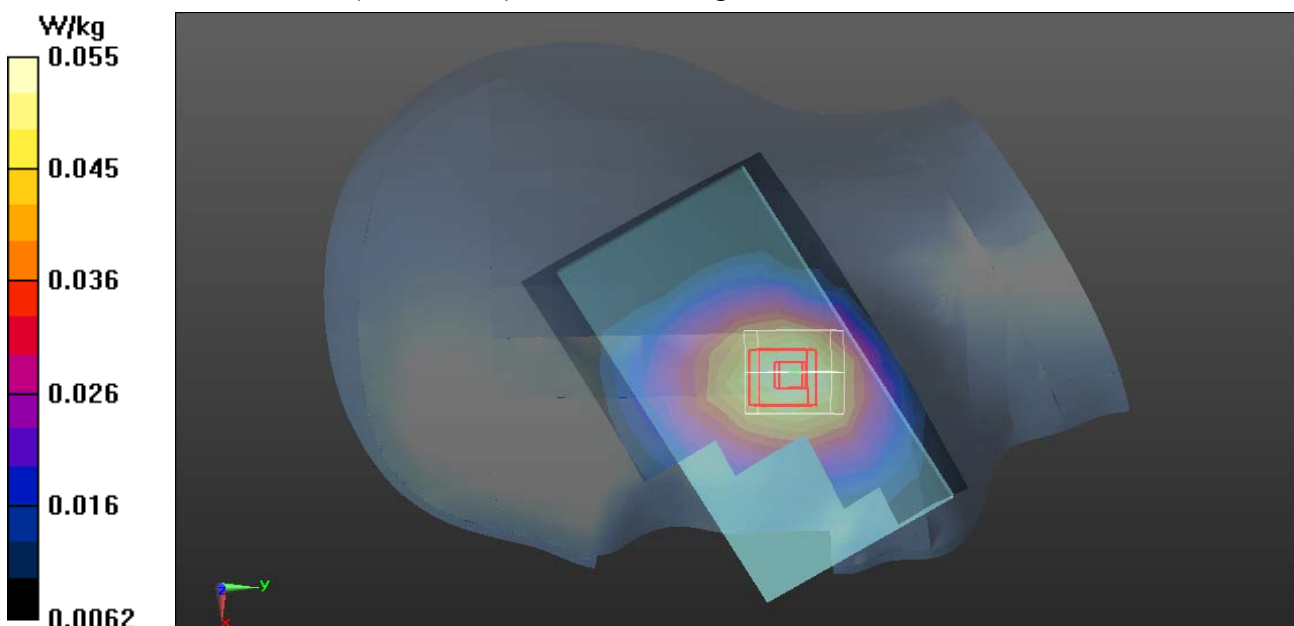
Measurement grid: dx=8mm, dy=8mm, dz=8mm

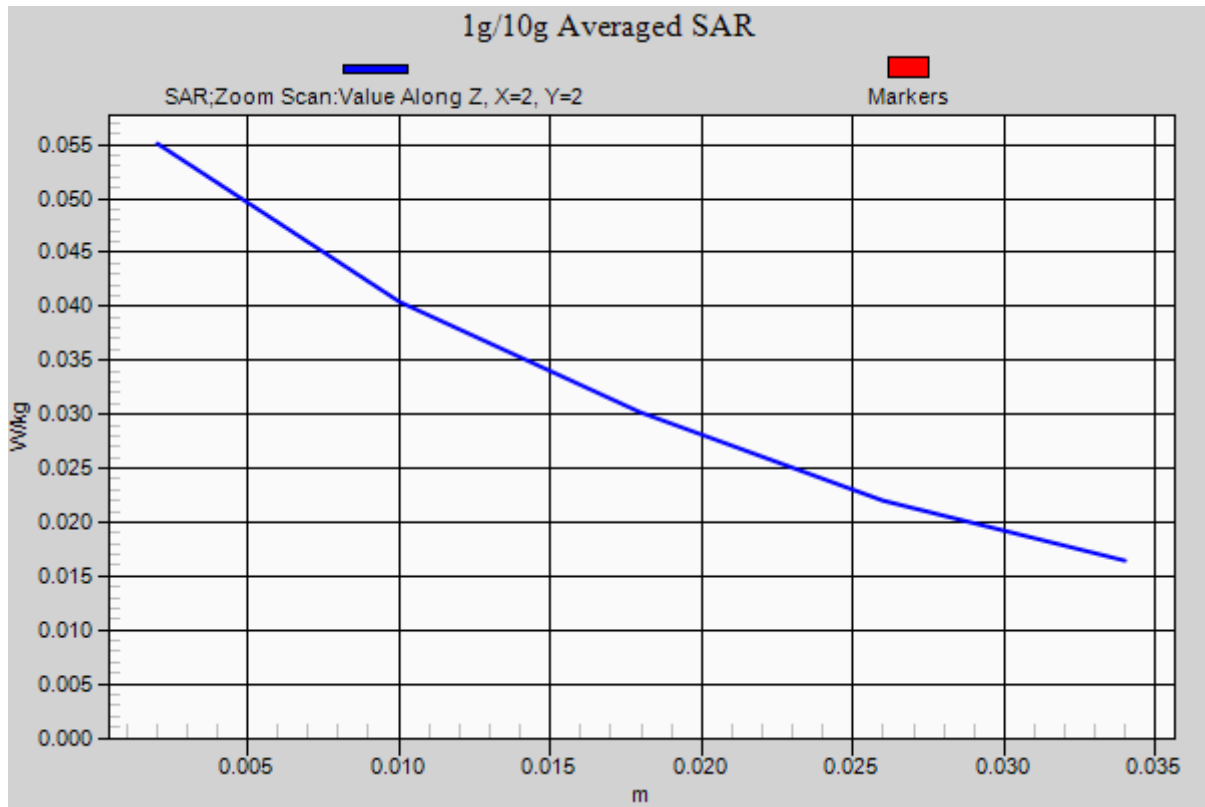
Reference Value = 2.380 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0600 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.039 W/kg**

Maximum value of SAR (measured) = 0.0551 W/kg







Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GSM 850-Right Head Tilted Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 41.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GSM850/Right Head Tilted Middle CH190/Area Scan (8x12x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0264 W/kg

**GSM850/Right Head Tilted Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

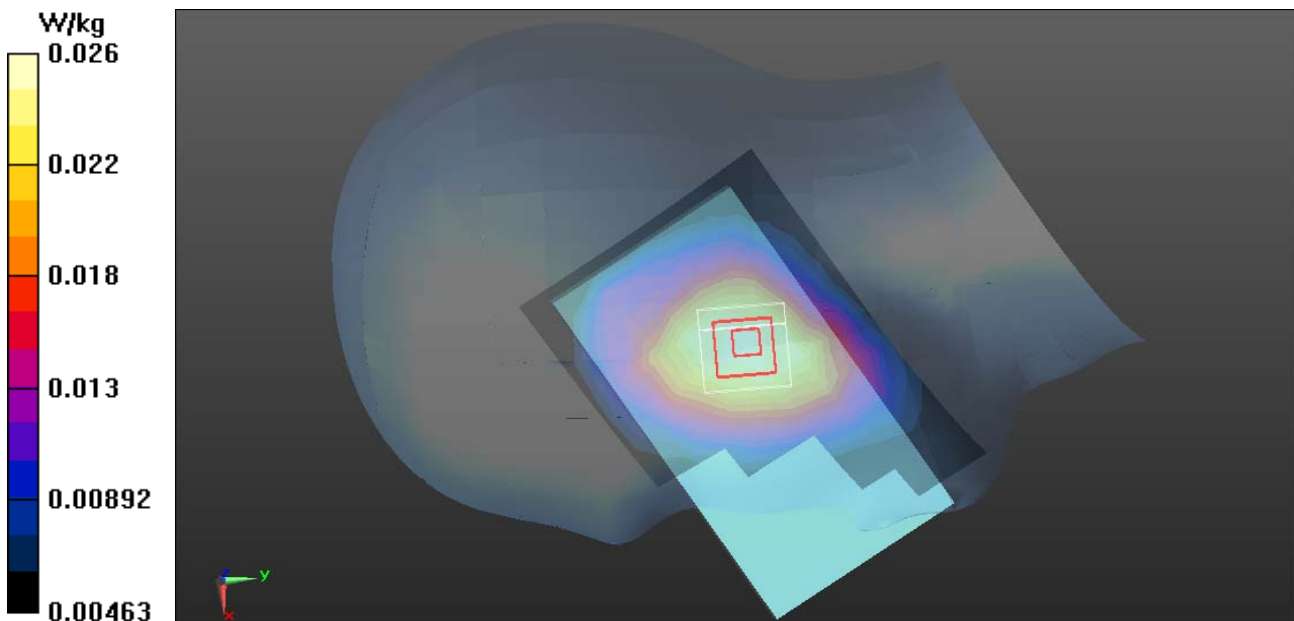
Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 3.636 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0280 W/kg

**SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.0261 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GSM 850-Left Head Cheek Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:7.99834

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 41.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GSM850/Left Head Cheek Middle CH190/Area Scan (8x12x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0448 W/kg

**GSM850/Left Head Cheek Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

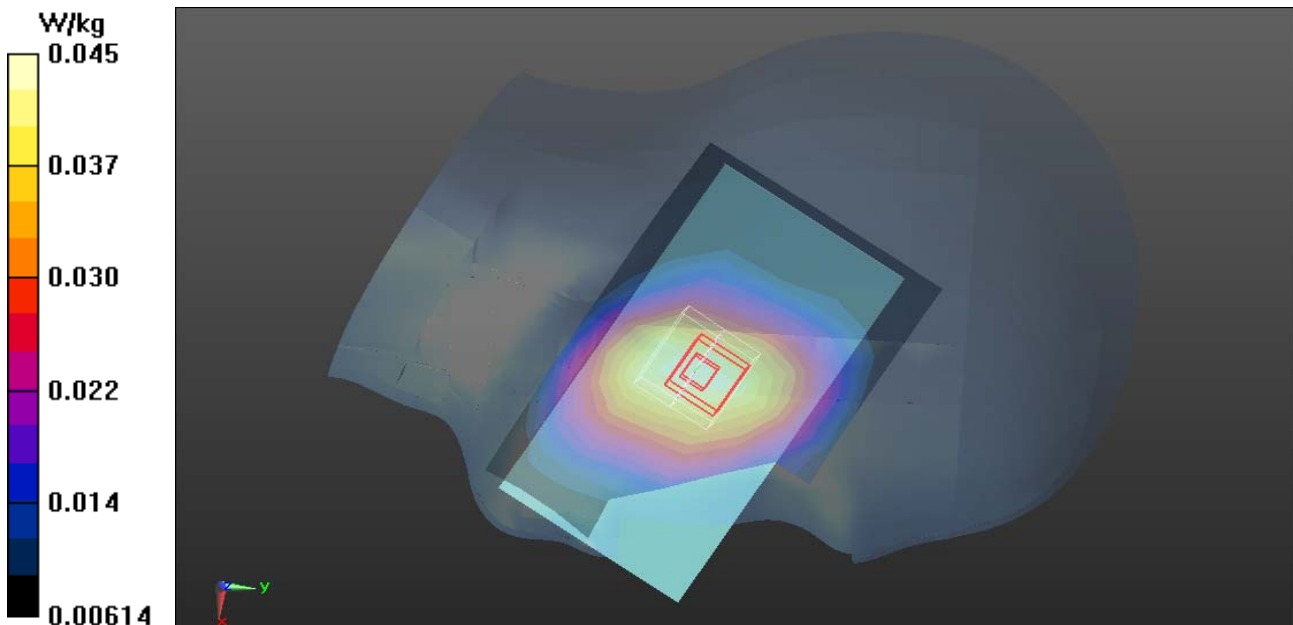
Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 2.172 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0480 W/kg

**SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.033 W/kg**

Maximum value of SAR (measured) = 0.0451 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GSM 850-Left Head Tilted Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:7.99834

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 41.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GSM850/Left Head Tilted Middle CH190/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0270 W/kg

**GSM850/Left Head Tilted Middle CH190/Zoom Scan (6x6x5)/Cube 0:**

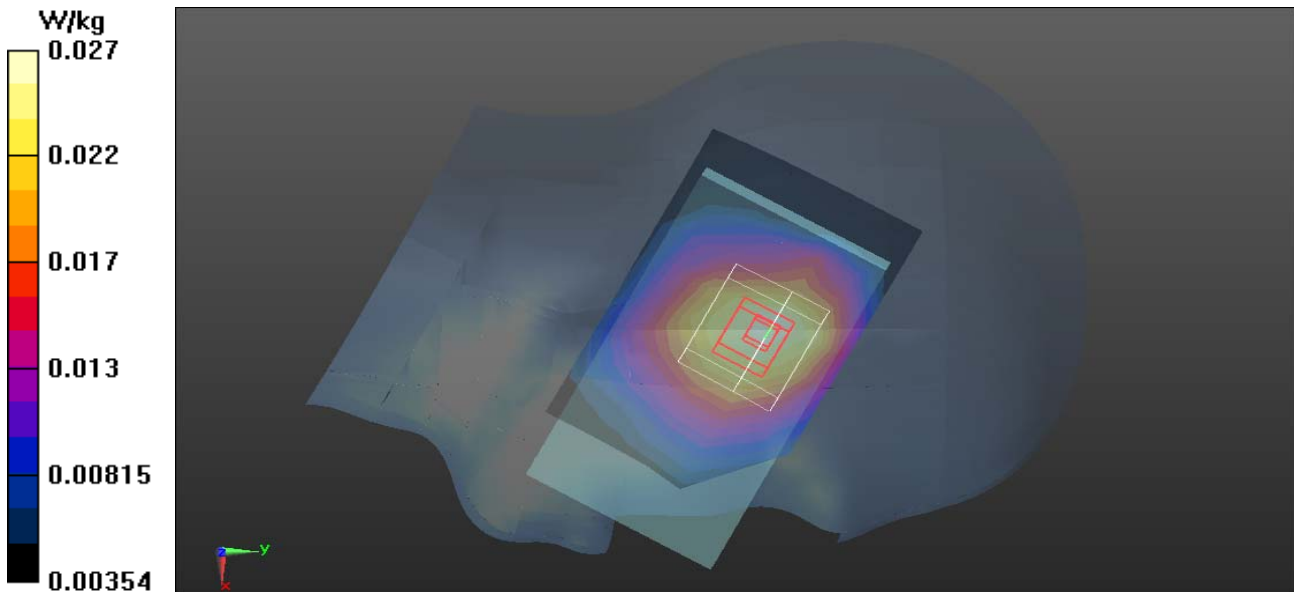
Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 3.679 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0290 W/kg

**SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.0266 W/kg





Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**PCS 1900 Right Head Cheek Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.45$  S/m;  $\epsilon_r = 39.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.64, 7.64, 7.64); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**PCS1900/Right Head Cheek Middle CH661/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0983 W/kg

**PCS1900/Right Head Cheek Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

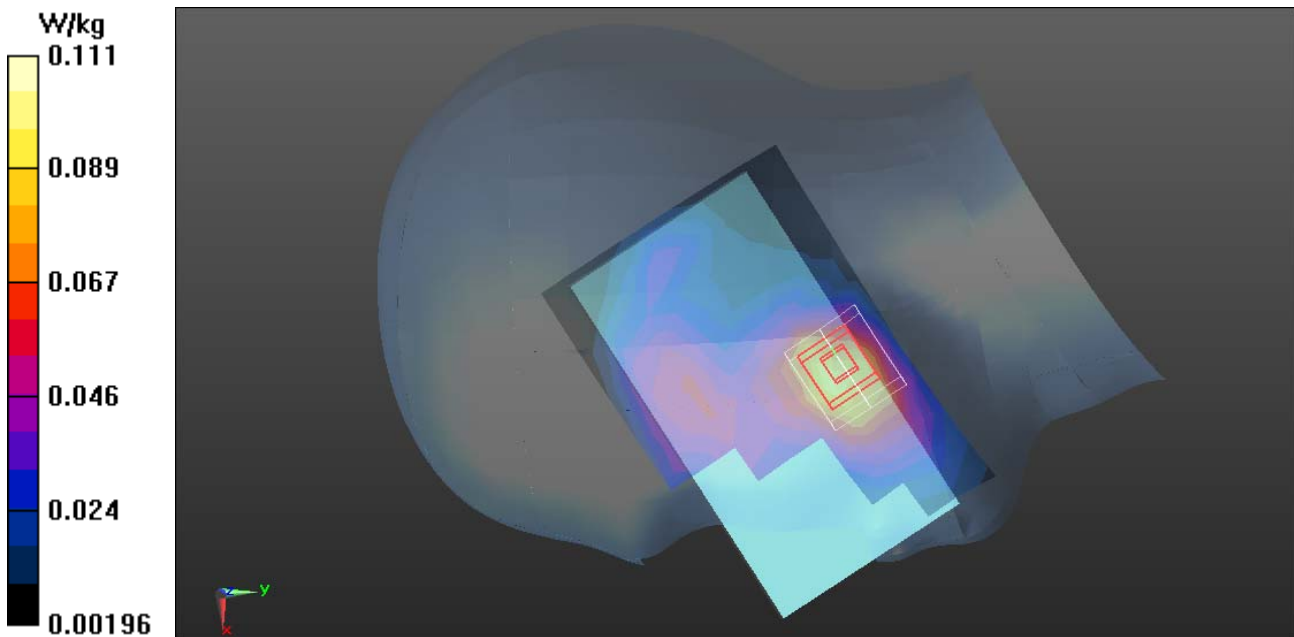
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.957 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.133 W/kg

**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.055 W/kg**

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





Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**PCS 1900 Right Head Tilted Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.45$  S/m;  $\epsilon_r = 39.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.64, 7.64, 7.64); Calibrated: 7/25/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**PCS1900/Right Head Tilted Middle CH661/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0802 W/kg

**PCS1900/Right Head Tilted Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

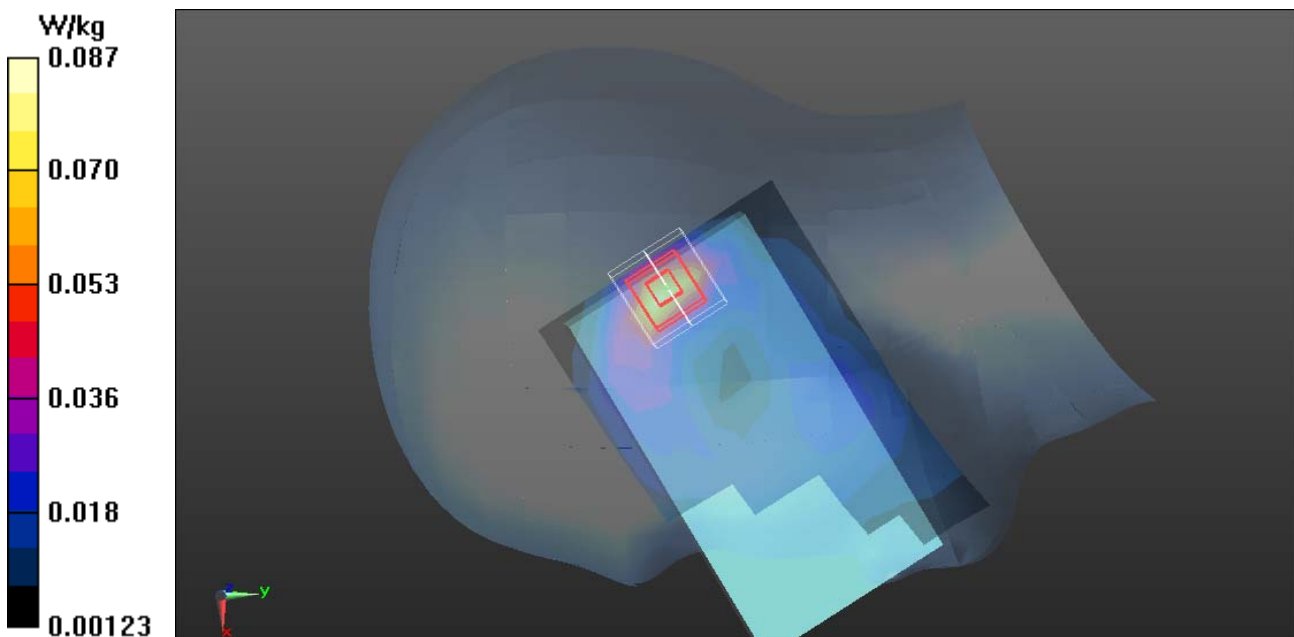
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.367 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0871 W/kg







Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**PCS 1900 Left Head Cheek Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.45$  S/m;  $\epsilon_r = 39.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.64, 7.64, 7.64); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**PCS1900/Left Head Cheek Middle CH661/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

**PCS1900/Left Head Cheek Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

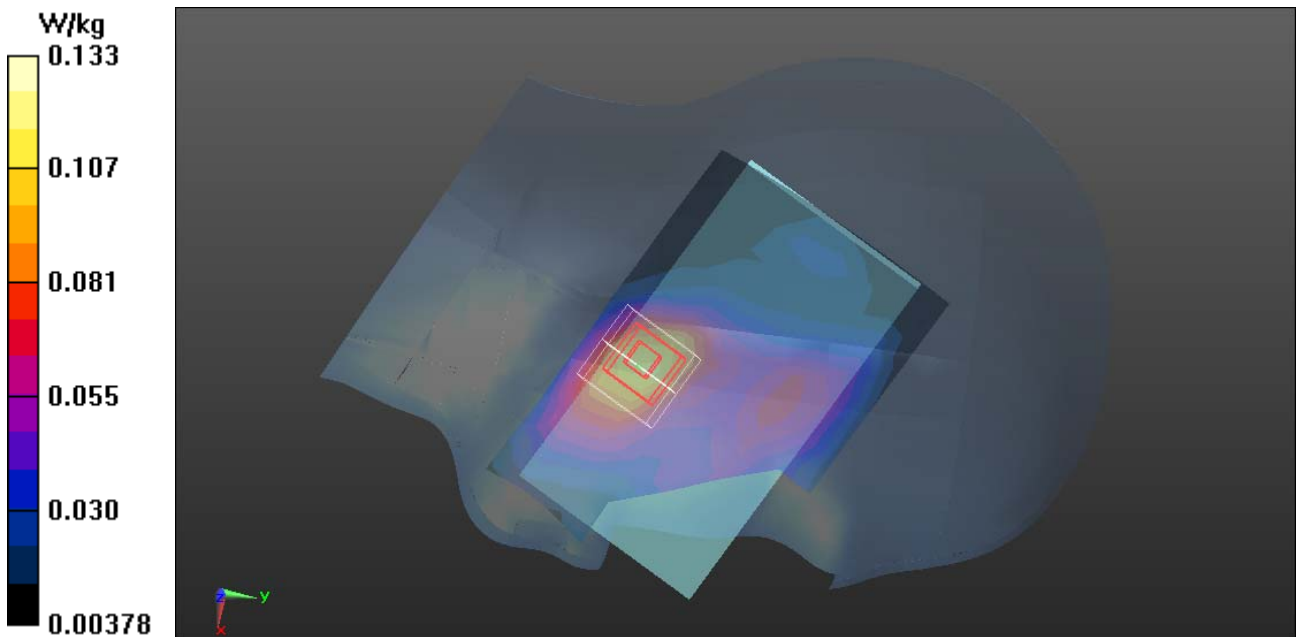
Measurement grid: dx=8mm, dy=8mm, dz=5mm

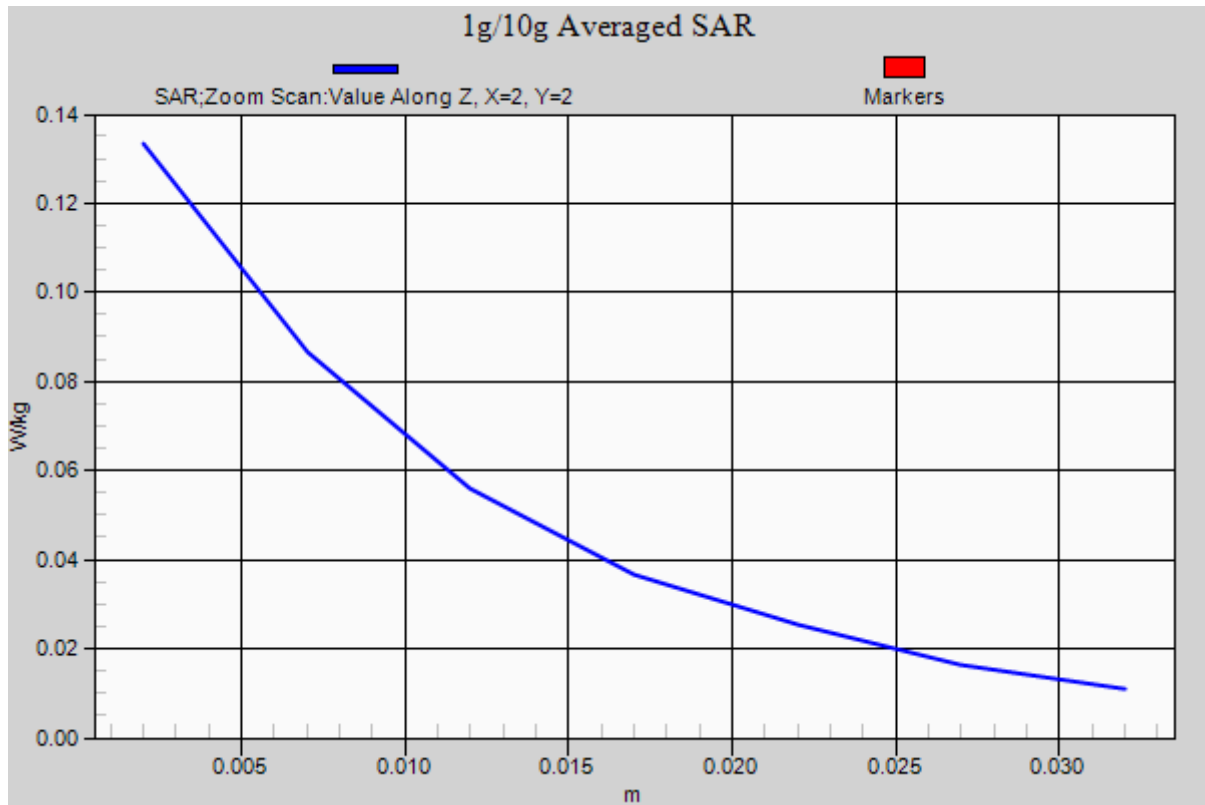
Reference Value = 4.463 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.161 W/kg

**SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.063 W/kg**

Maximum value of SAR (measured) = 0.133 W/kg







Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**PCS 1900 Left Head Tilted Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.45$  S/m;  $\epsilon_r = 39.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.64, 7.64, 7.64); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**PCS1900/Left Head Tilted Middle CH661/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0657 W/kg

**PCS1900/Left Head Tilted Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

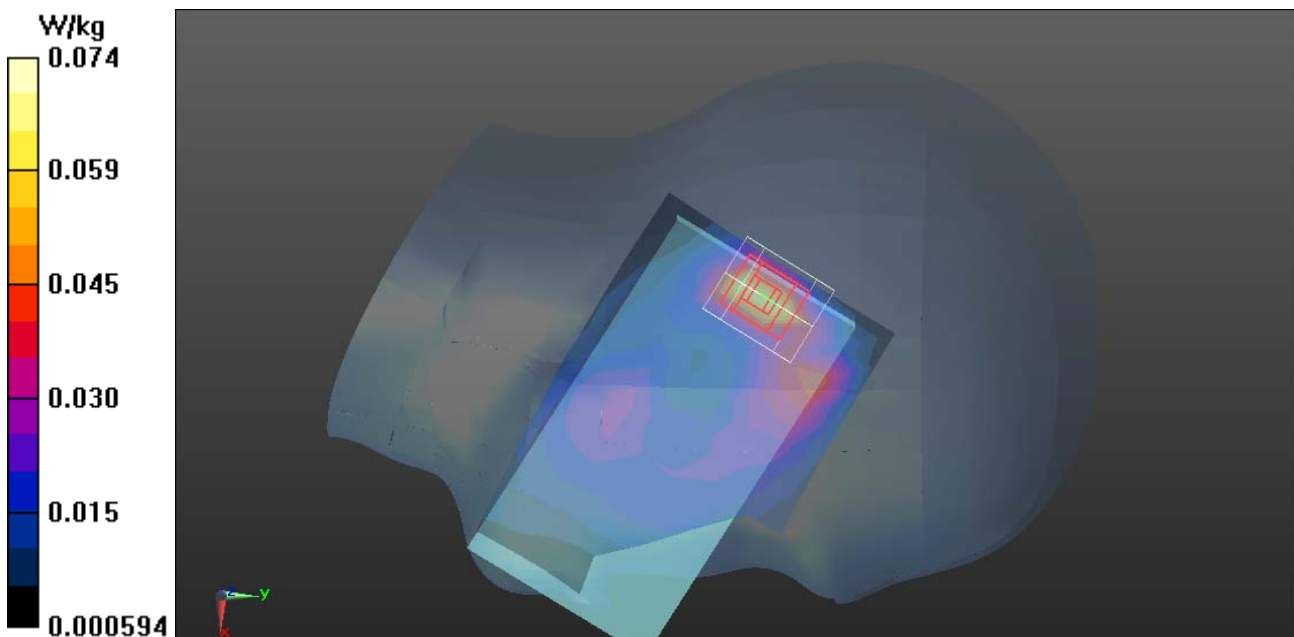
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.885 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0900 W/kg

**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.0742 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Right Head Cheek Middle CH4182**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 41.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA Band V/WCDMA Band V Right Head Cheek Middle CH4182/Area**

**Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0542 W/kg

**WCDMA Band V/WCDMA Band V Right Head Cheek Middle CH4182/Zoom**

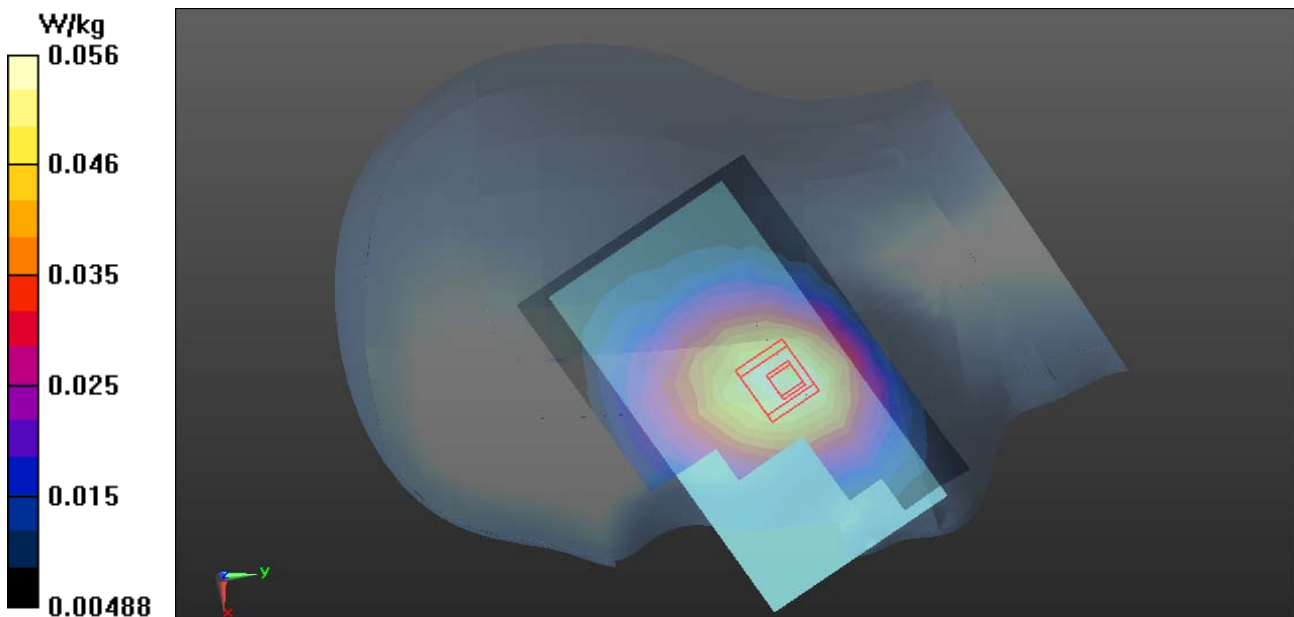
**Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

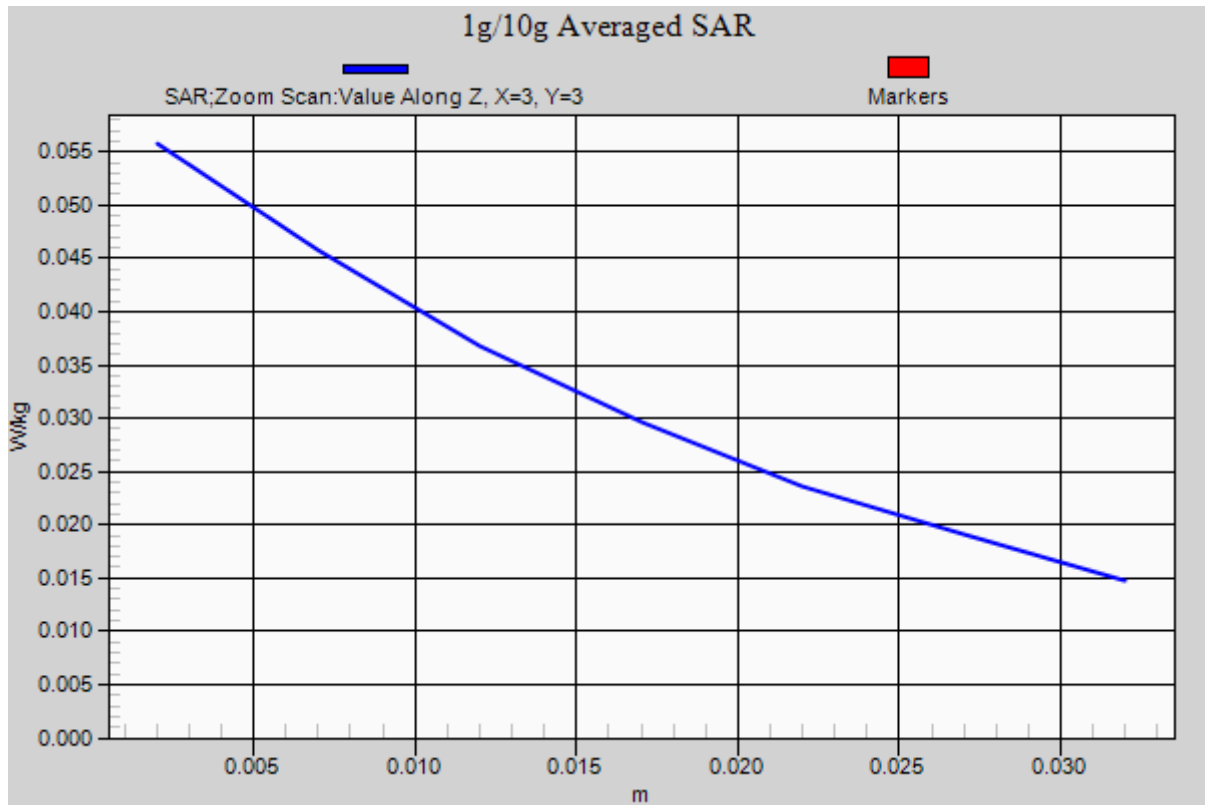
Reference Value = 2.970 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0600 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.0557 W/kg







Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Right Head Tilted Middle CH4182**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 41.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA Band V/WCDMA Band V Right Head Tilted Middle CH4182/Area**

**Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0338 W/kg

**WCDMA Band V/WCDMA Band V Right Head Tilted Middle CH4182/Zoom**

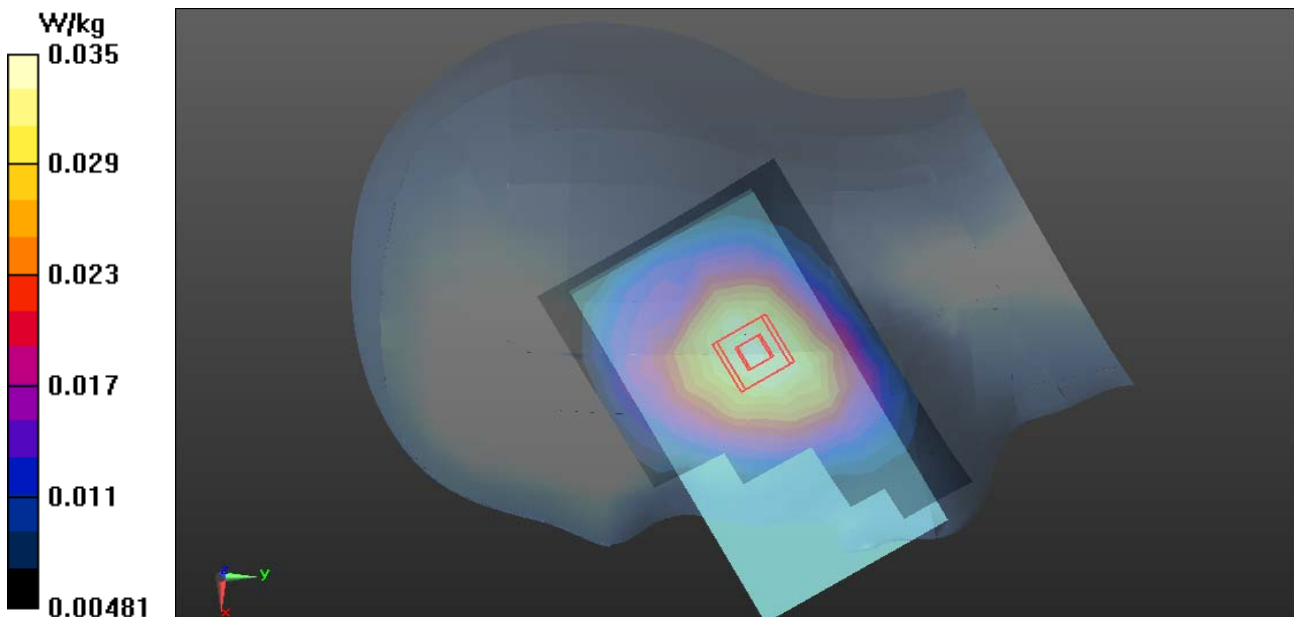
**Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.966 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0370 W/kg

**SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0346 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Left Head Cheek Middle CH4182**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 41.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA Band V/WCDMA Band V Left Head Cheek Middle CH4182/Area**

**Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0477 W/kg

**WCDMA Band V/WCDMA Band V Left Head Cheek Middle CH4182/Zoom**

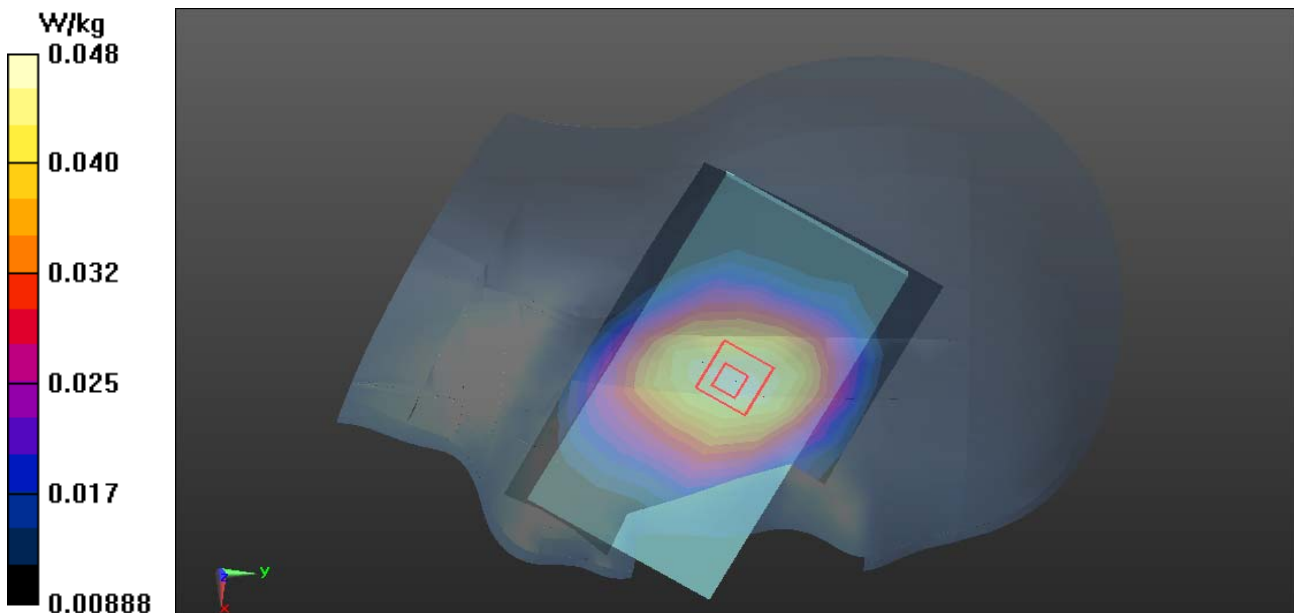
**Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.197 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0520 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0481 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Left Head Tilted Middle CH4182**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 41.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA Band V/WCDMA Bnad V Left Head Tilted Middle CH4182/Area Scan**

**(8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0367 W/kg

**WCDMA Band V/WCDMA Bnad V Left Head Tilted Middle CH4182/Zoom**

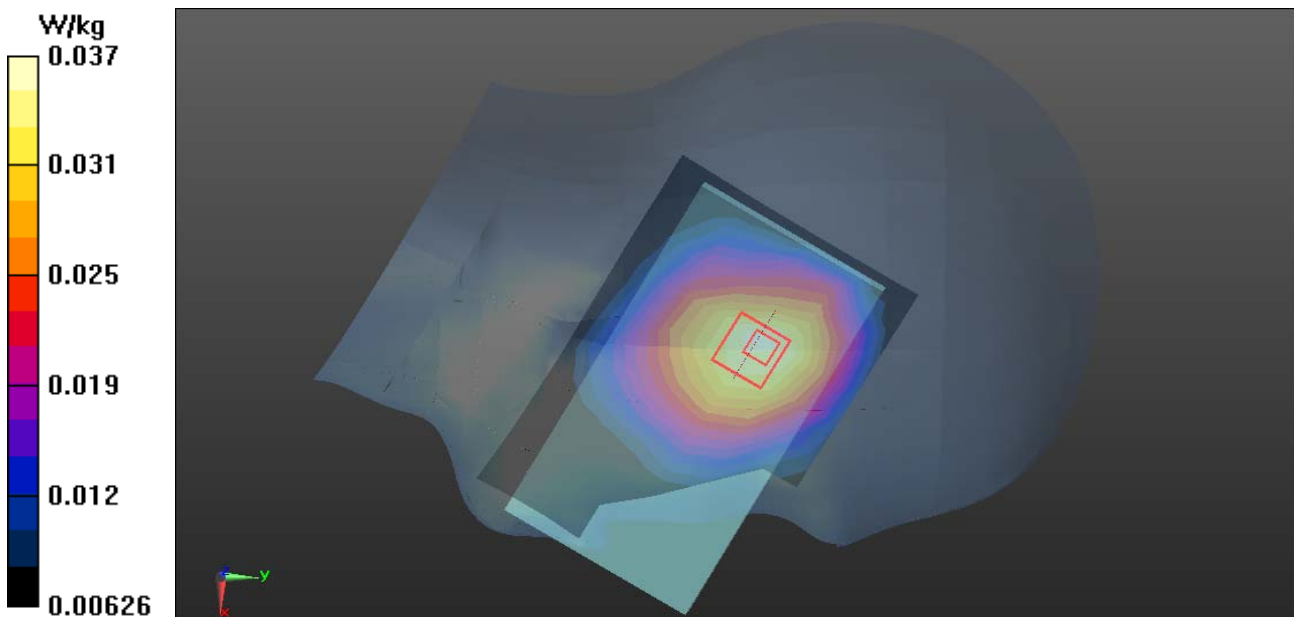
**Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.334 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0410 W/kg

**SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.026 W/kg**

Maximum value of SAR (measured) = 0.0373 W/kg







Date: 3/23/2013

Test Laboratory: Compliance Certification Services Inc.

**IEEE 802.11b-Right Head Cheek Middle CH6**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.811$  S/m;  $\epsilon_r = 38.021$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(6.87, 6.87, 6.87); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**IEEE 802.11b/Right Cheek Middle CH6/Area Scan (10x7x1):** Measurement grid:

$dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0192 W/kg

**IEEE 802.11b/Right Cheek Middle CH6/Zoom Scan (8x8x7)/Cube 0:**

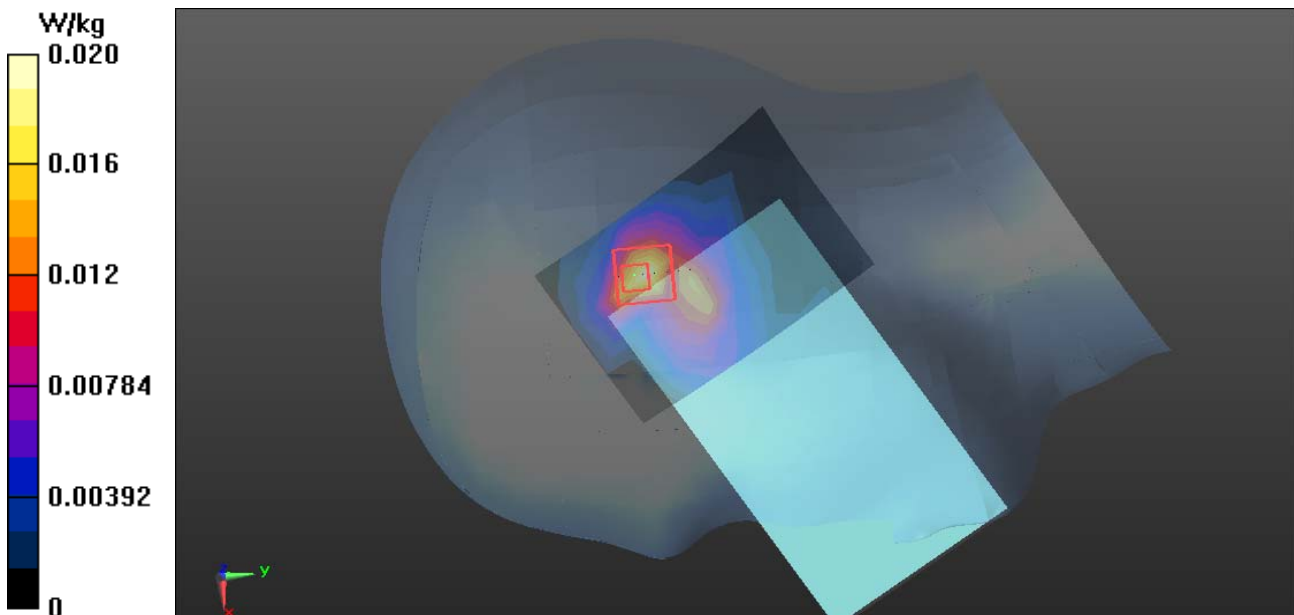
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.133 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0270 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00559 W/kg**

Maximum value of SAR (measured) = 0.0196 W/kg





Date: 3/23/2013

Test Laboratory: Compliance Certification Services Inc.

**IEEE 802.11b-Right Head Tilted Middle CH6**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.811$  S/m;  $\epsilon_r = 38.021$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Right Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(6.87, 6.87, 6.87); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**IEEE 802.11b/Right Tilted Middle CH6/Area Scan (10x7x1):** Measurement grid:

$dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0271 W/kg

**IEEE 802.11b/Right Tilted Middle CH6/Zoom Scan (8x9x7)/Cube 0:**

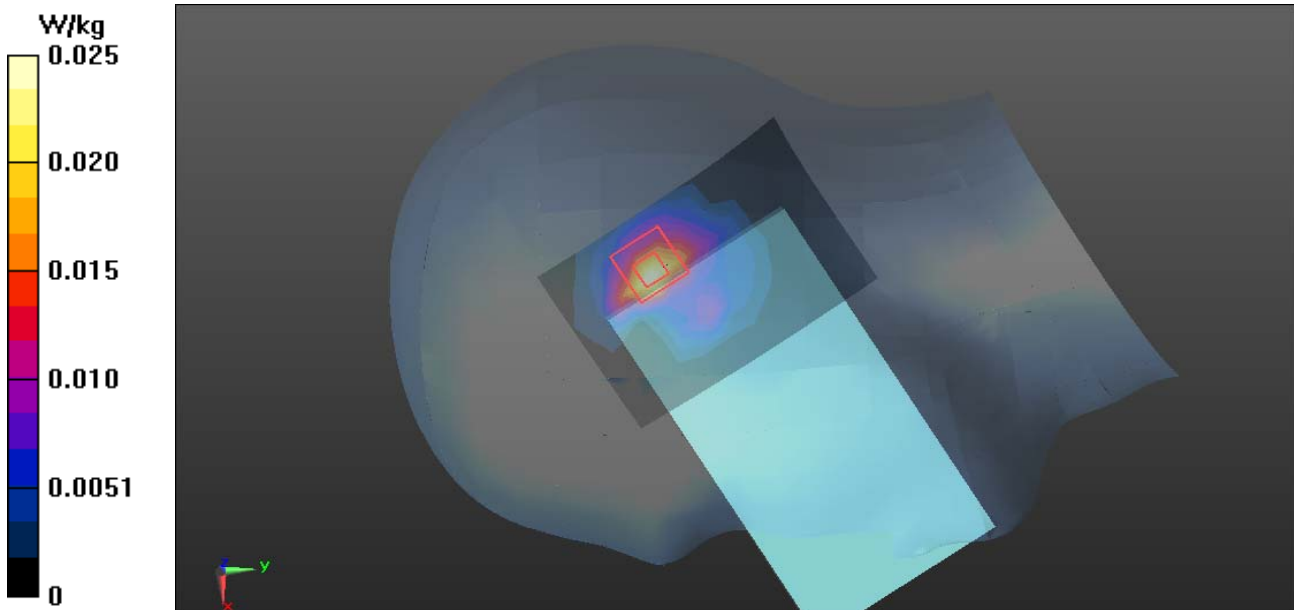
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

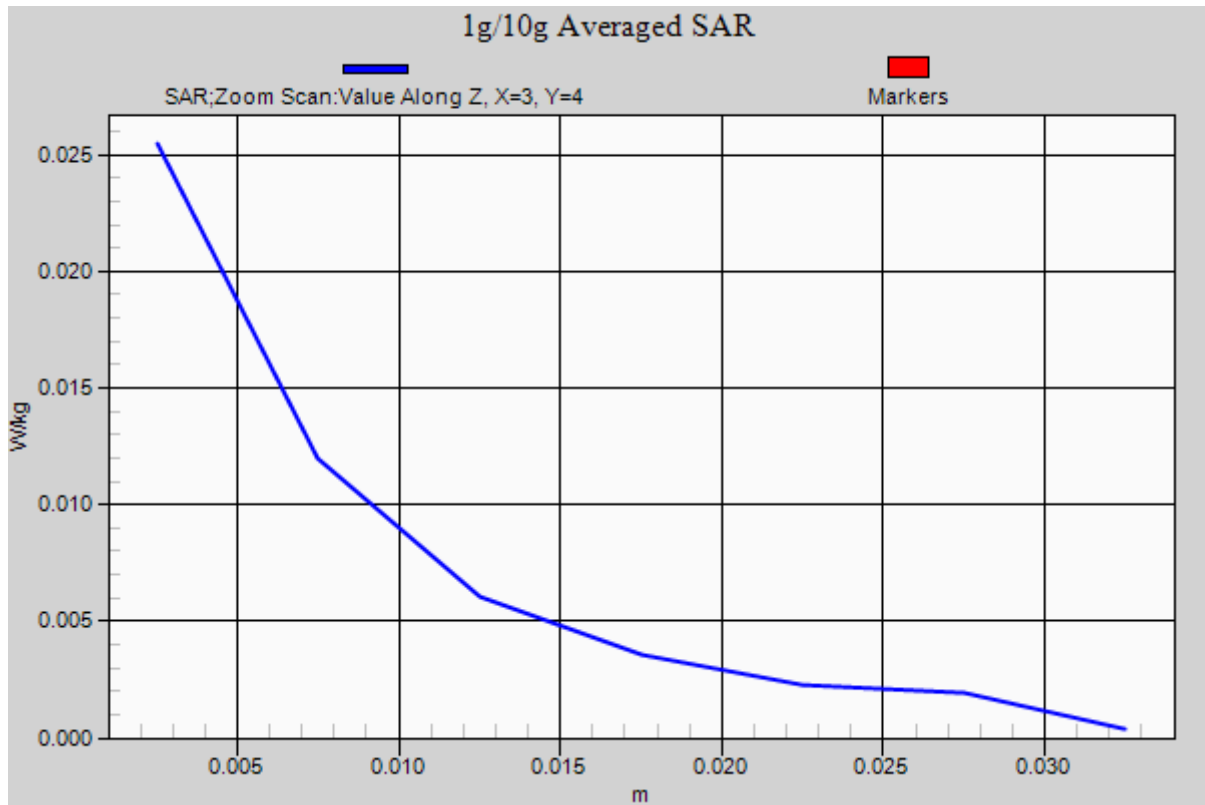
Reference Value = 1.391 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0390 W/kg

**SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00767 W/kg**

Maximum value of SAR (measured) = 0.0255 W/kg







Date: 3/23/2013

Test Laboratory: Compliance Certification Services Inc.

**IEEE 802.11b-Left Head Cheek Middle CH6**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.021$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(6.87, 6.87, 6.87); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**802.11b/Left Cheek Middle CH6/Area Scan (10x7x1):** Measurement grid:

$dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0114 W/kg

**802.11b/Left Cheek Middle CH6/Zoom Scan (10x8x7)/Cube 0:** Measurement

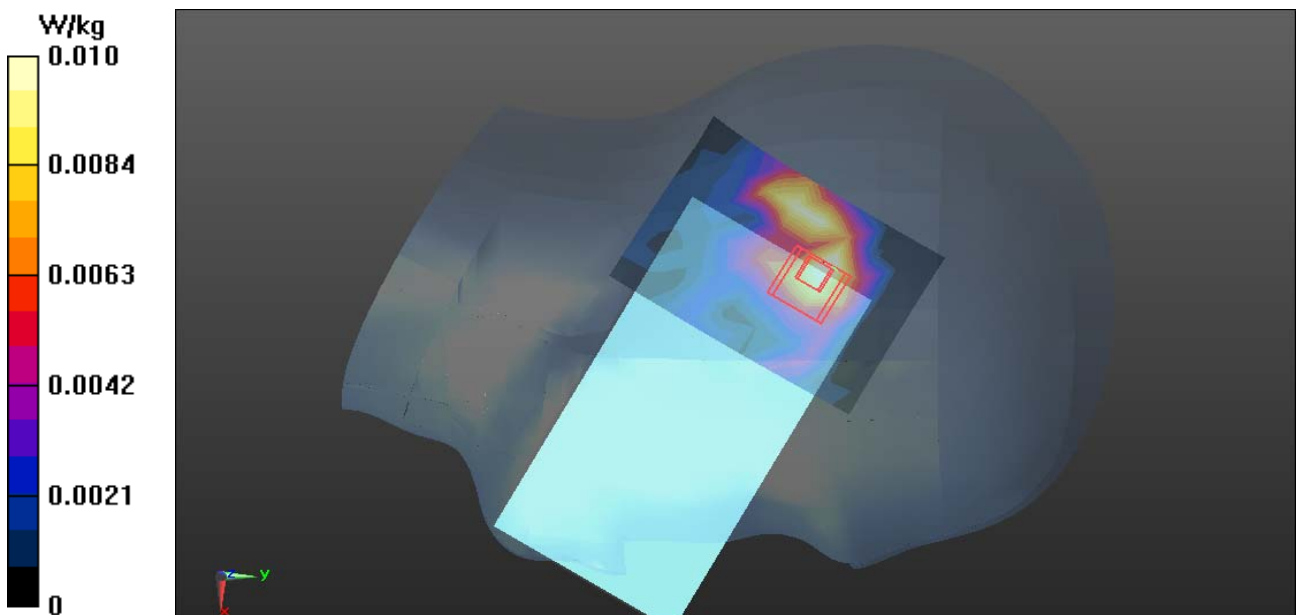
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.257 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.0250 W/kg

**SAR(1 g) = 0.00621 W/kg; SAR(10 g) = 0.00223 W/kg**

Maximum value of SAR (measured) = 0.0105 W/kg





Date: 3/23/2013

Test Laboratory: Compliance Certification Services Inc.

**IEEE 802.11b-Left Head Tilted Middle CH6**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.021$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Left Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(6.87, 6.87, 6.87); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**802.11b/Left Tilted Middle CH6/Area Scan (10x7x1):** Measurement grid:

$dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0186 W/kg

**802.11b/Left Tilted Middle CH6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

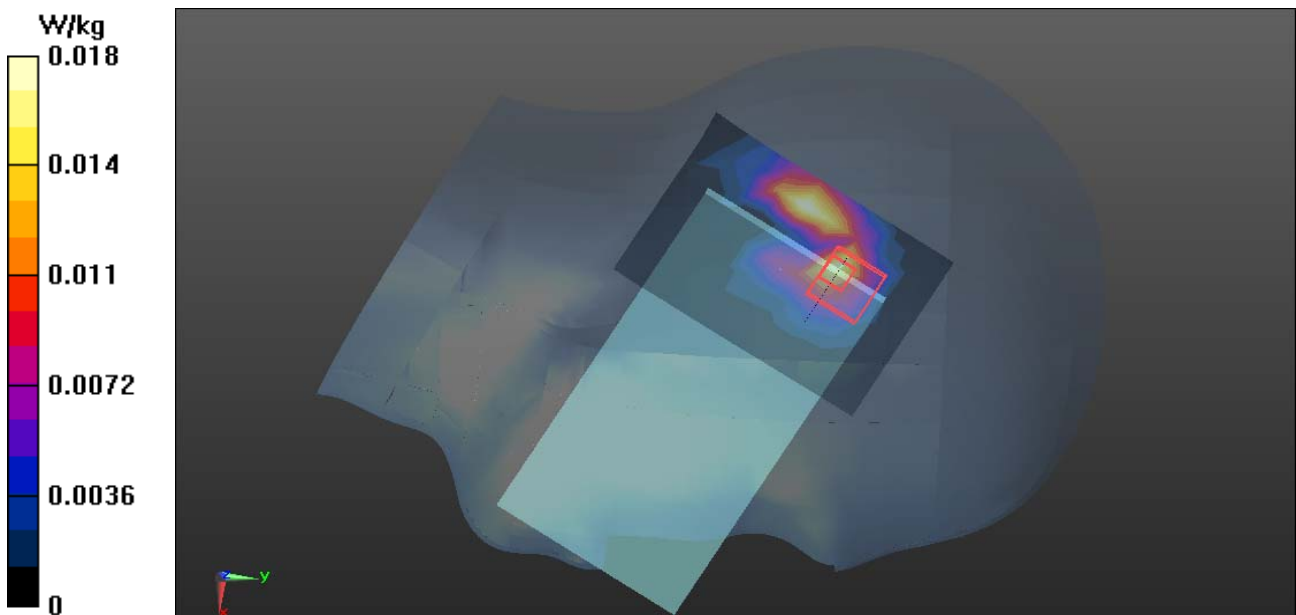
$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.761 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0260 W/kg

**SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00423 W/kg**

Maximum value of SAR (measured) = 0.0180 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS 850-Body Up Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM850;

Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS850/GPRS850 Body Up Middle CH190/Area Scan (8x9x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0625 W/kg

**GPRS850/GPRS850 Body Up Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

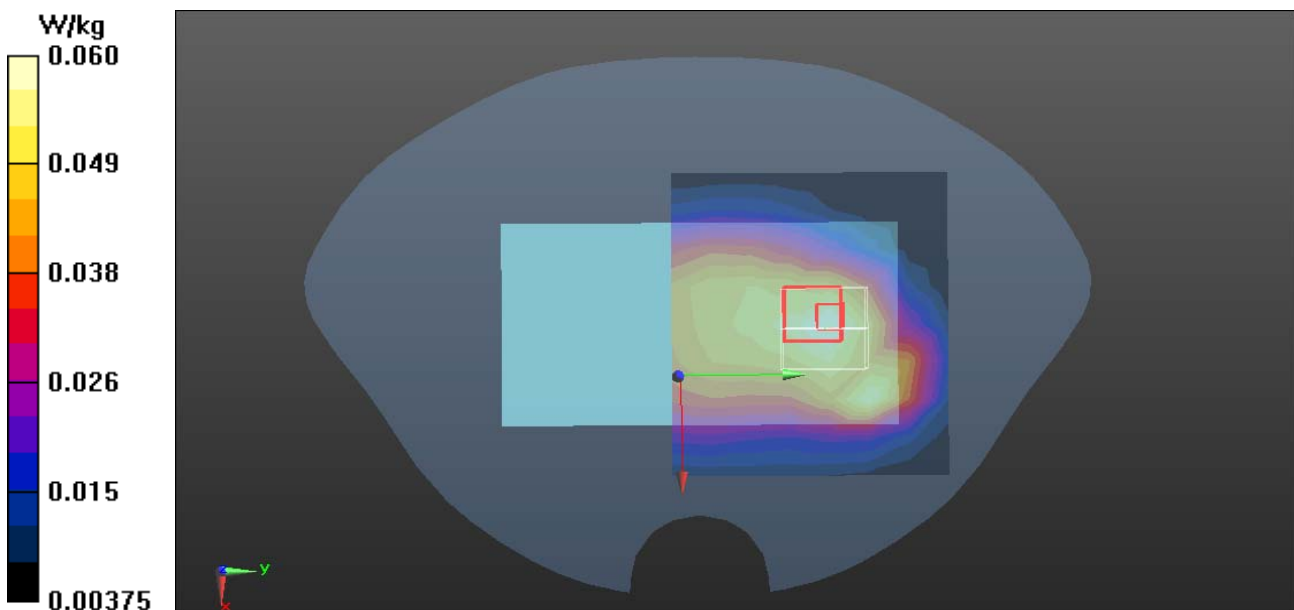
Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 7.126 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0700 W/kg

**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.0603 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS 850-Body Down Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM850;

Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS850/GPRS850 Body Down Middle CH190/Area Scan (8x9x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.547 W/kg

**GPRS850/GPRS850 Body Down Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

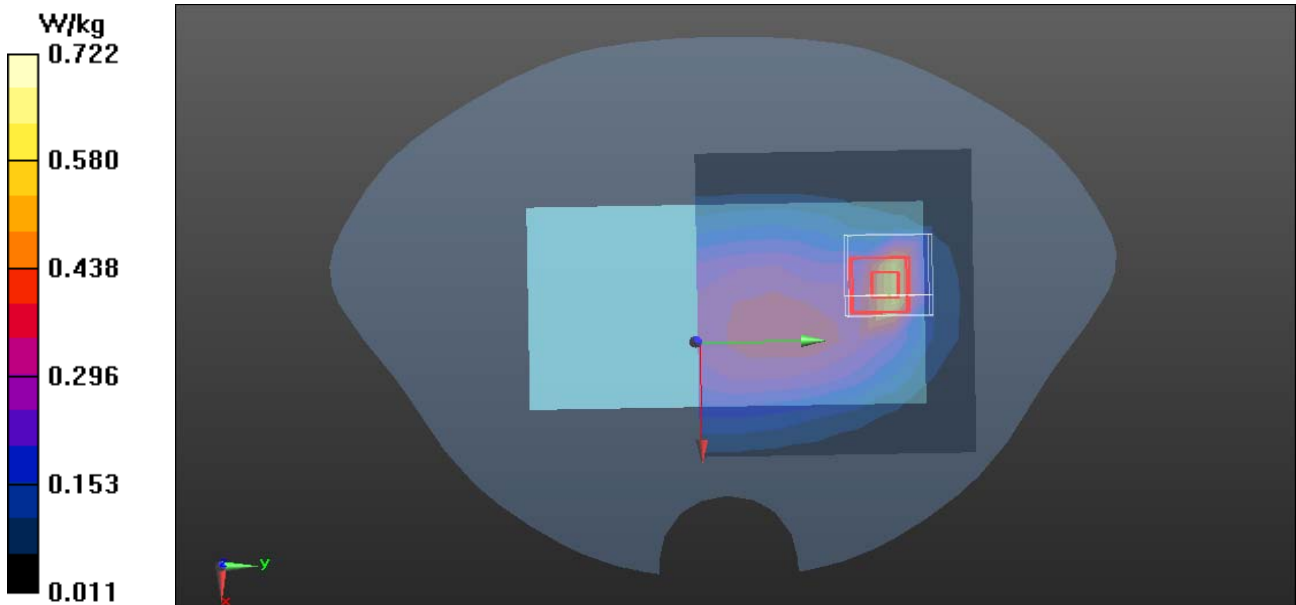
Measurement grid: dx=8mm, dy=8mm, dz=8mm

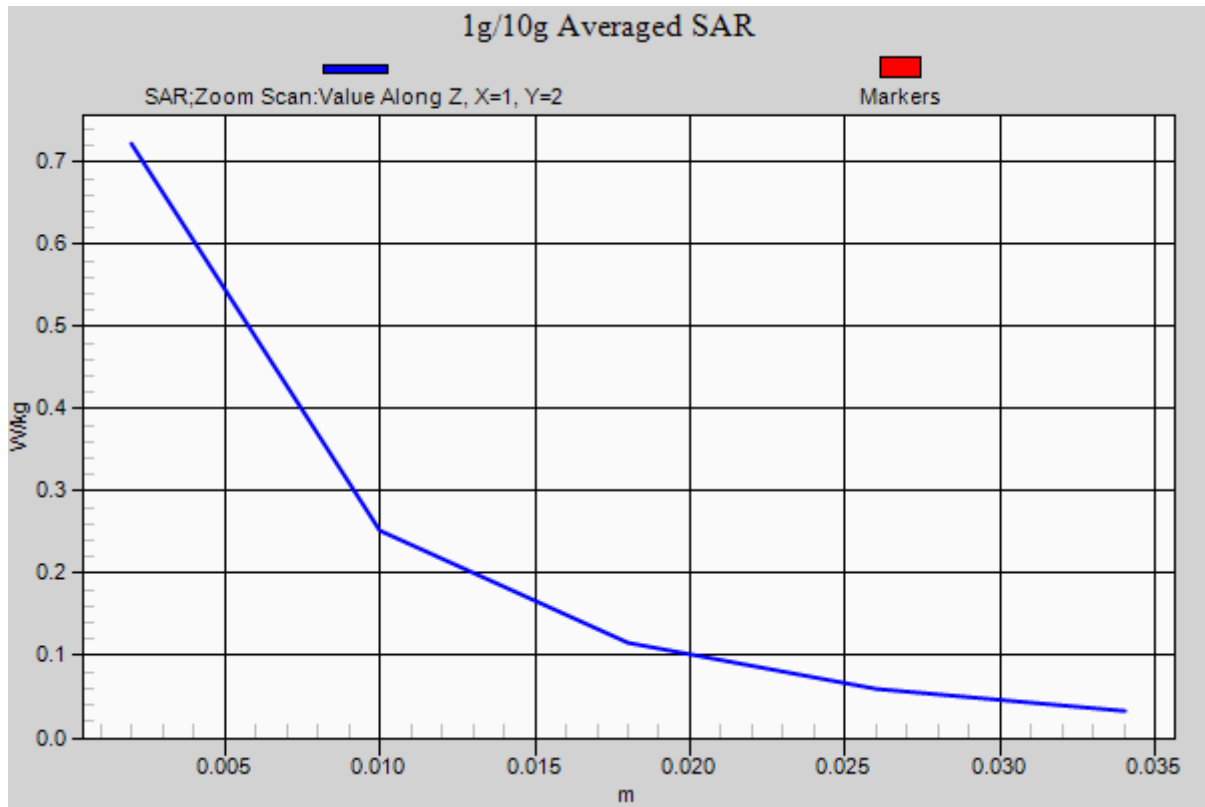
Reference Value = 18.923 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.936 W/kg

**SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 0.722 W/kg









Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS 850-Body - Left Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM850;

Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS850/GPRS850 Body Left Middle CH190/Area Scan (9x6x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0881 W/kg

**GPRS850/GPRS850 Body Left Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

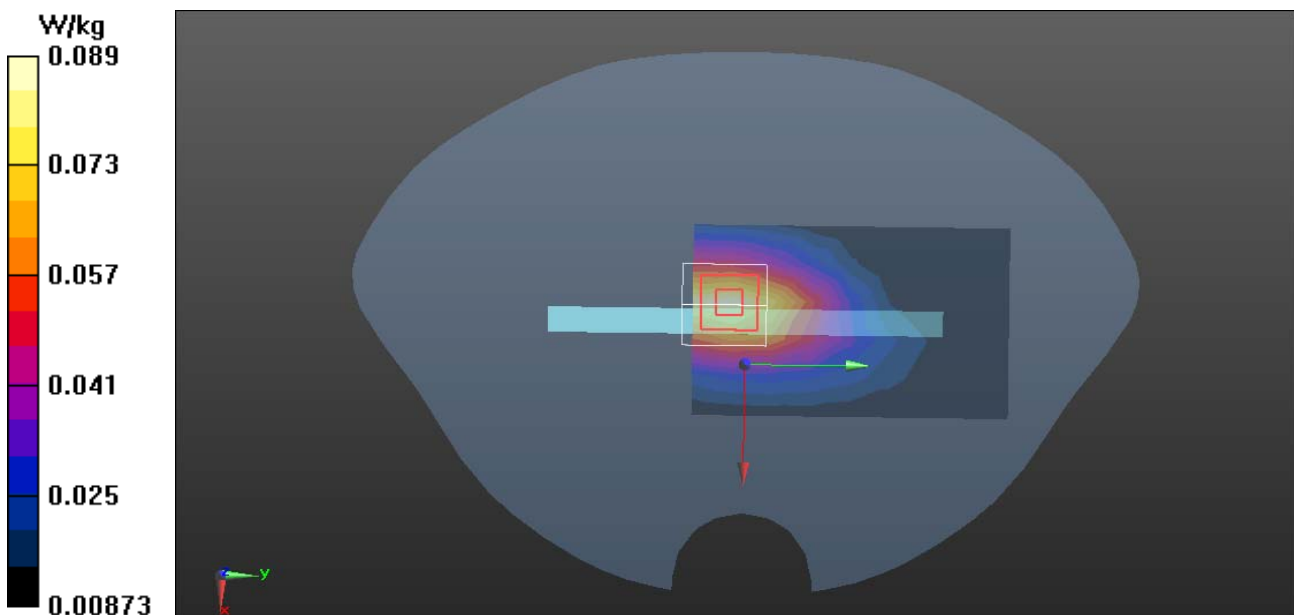
Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 9.214 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.0891 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS 850-Body - Right Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM850;

Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS850/GPRS850 Body Right Middle CH190/Area Scan (9x6x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0968 W/kg

**GPRS850/GPRS850 Body Right Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

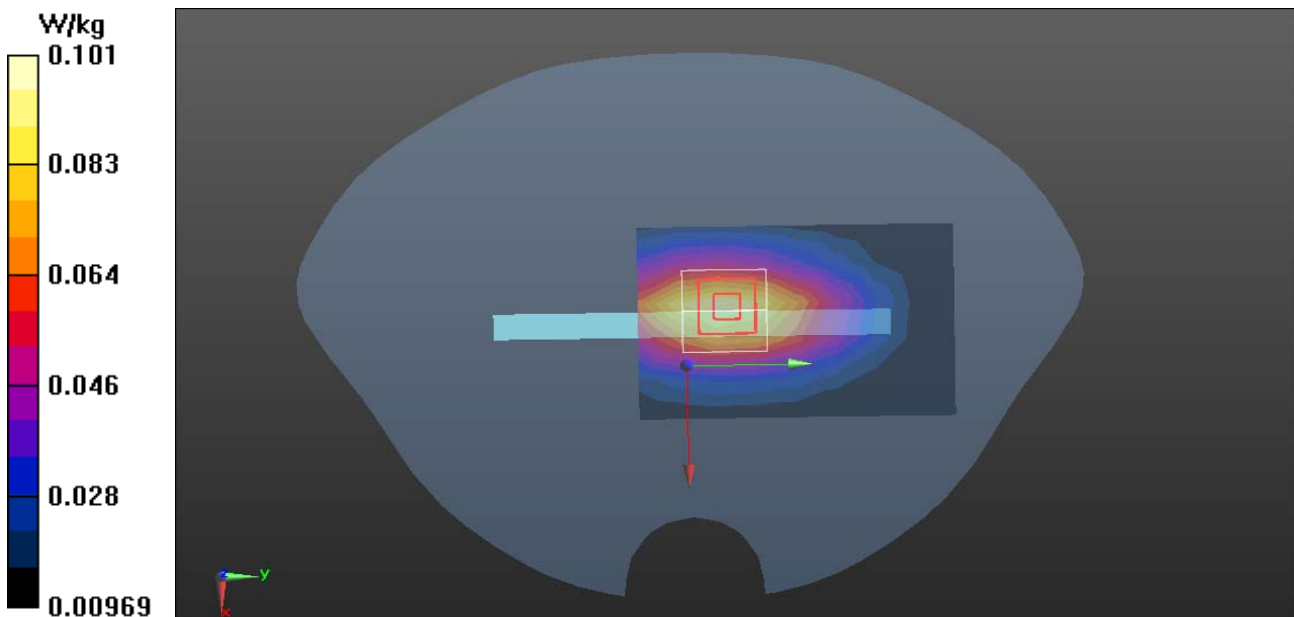
Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 9.396 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.118 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.056 W/kg**

Maximum value of SAR (measured) = 0.101 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS 850-Body – Bottom Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM850;

Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS850/GPRS850 Body Bottom Middle CH190/Area Scan (5x8x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0859 W/kg

**GPRS850/GPRS850 Body Bottom Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

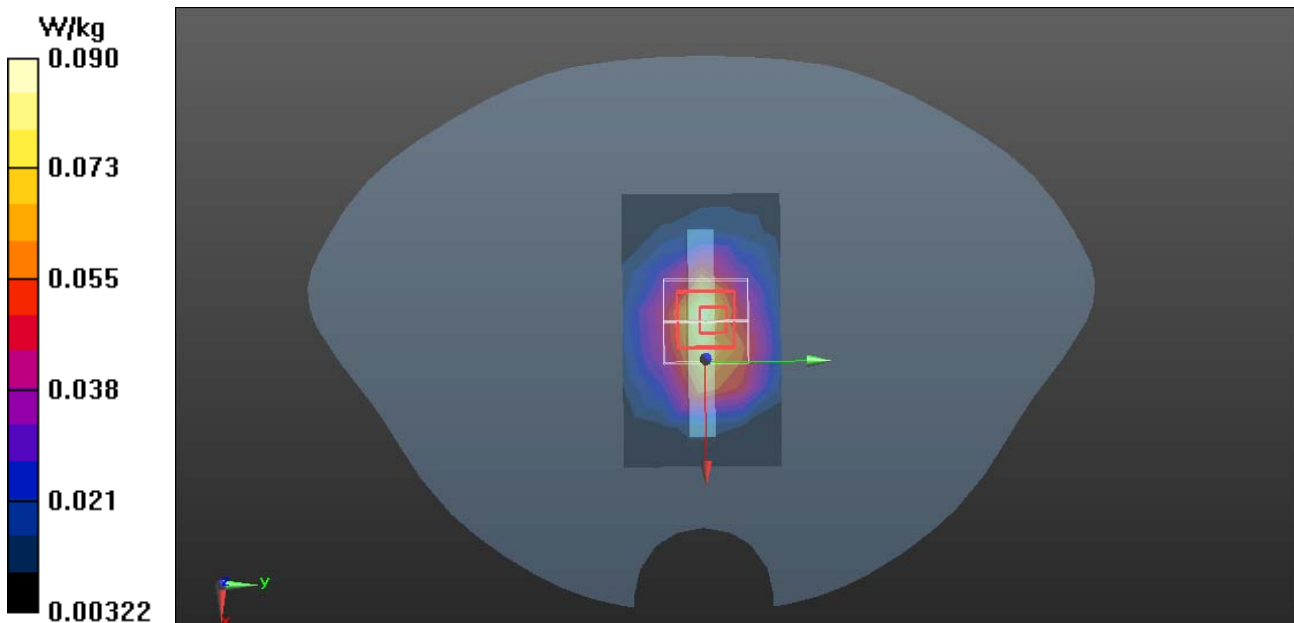
Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 9.485 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.130 W/kg

**SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.0899 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**GSM 850-Body Down Middle CH190**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Duty Cycle: 1:7.99834

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2011
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GSM 850/GSM850 Body Down Middle CH190/Area Scan (8x9x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.403 W/kg

**GSM 850/GSM850 Body Down Middle CH190/Zoom Scan (5x5x5)/Cube 0:**

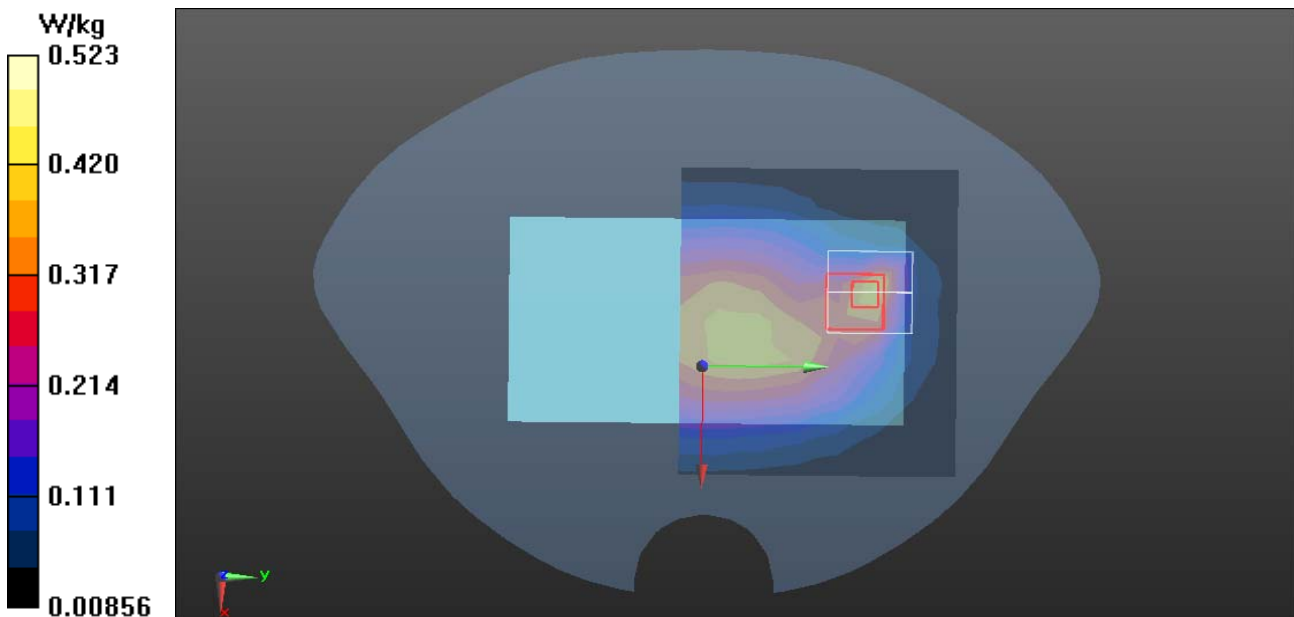
Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 19.801 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.680 W/kg

**SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.197 W/kg**

Maximum value of SAR (measured) = 0.523 W/kg





Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS1900-Body Up Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 51.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS1900/GPRS 1900 Body Up Middle CH661/Area Scan (6x8x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0241 W/kg

**GPRS1900/GPRS 1900 Body Up Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

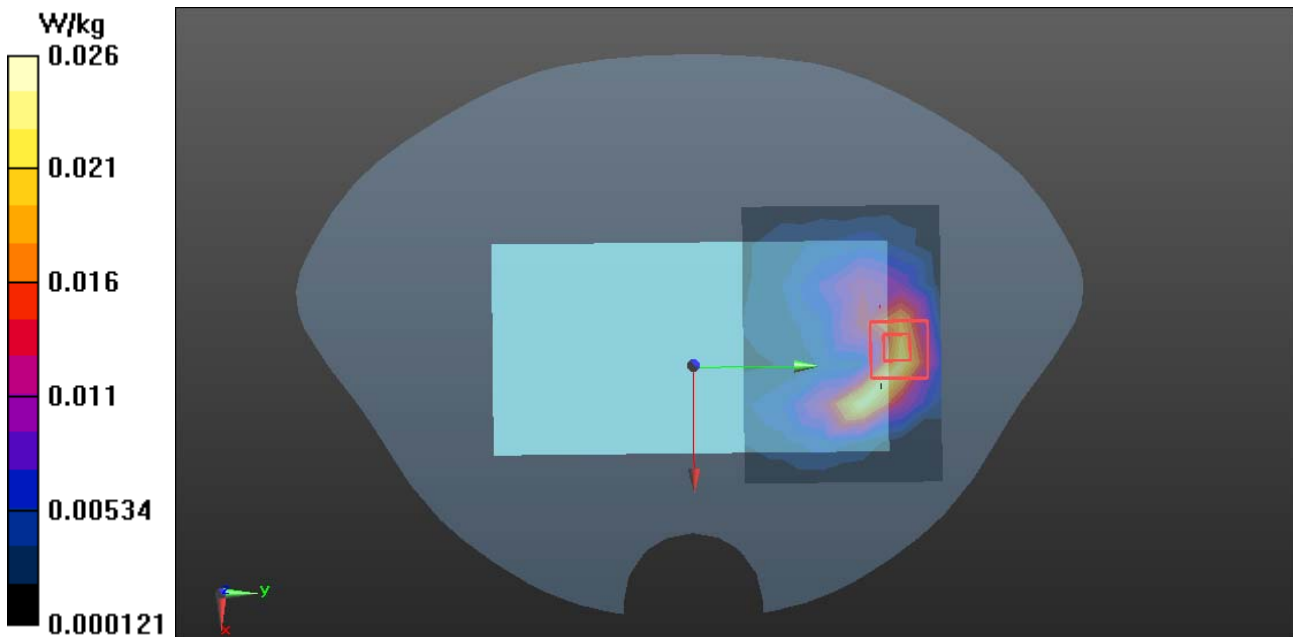
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.425 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0370 W/kg

**SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.0087 W/kg**

Maximum value of SAR (measured) = 0.0262 W/kg





Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS1900-Body Down Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 51.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS1900/GPRS 1900 Body Down Middle CH661/Area Scan (6x8x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0262 W/kg

**GPRS1900/GPRS 1900 Body Down Middle CH661/Zoom Scan (5x5x7)/Cube**

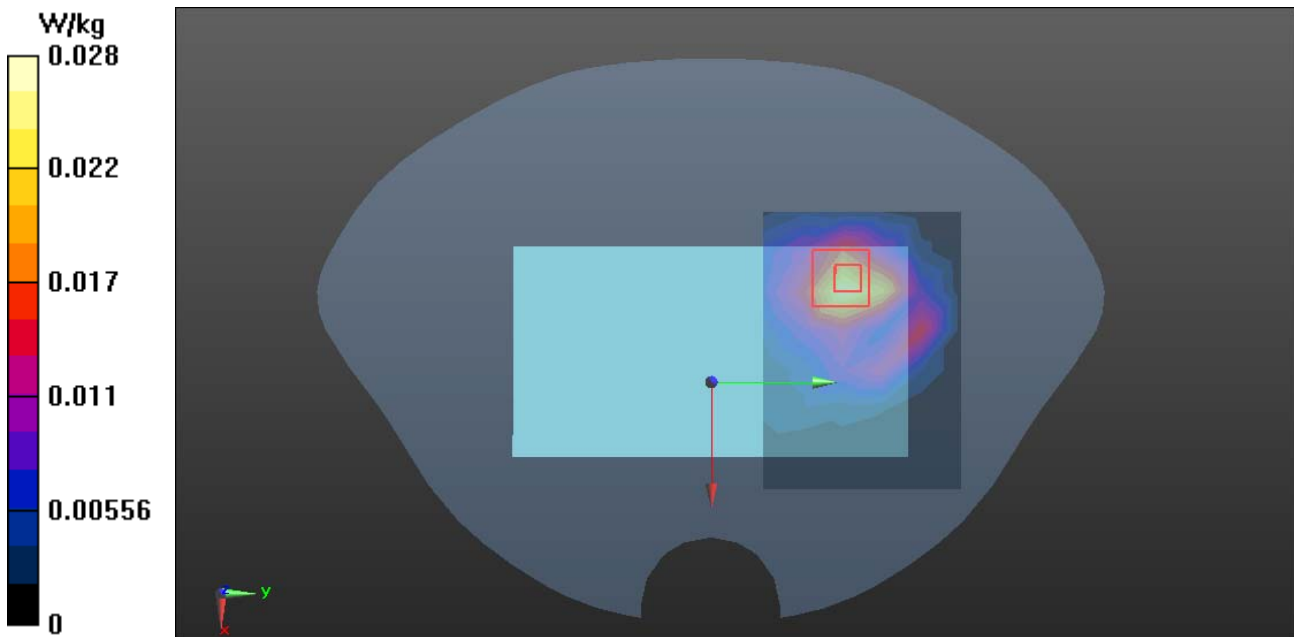
**0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00948 W/kg**

Maximum value of SAR (measured) = 0.0278 W/kg





Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS1900-Body - Left Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 51.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS1900/GPRS 1900 Body Left Middle CH661/Area Scan (9x5x1):**

Measurement grid: dx=15mm, dy=15mm

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

**GPRS1900/GPRS 1900 Body Left Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

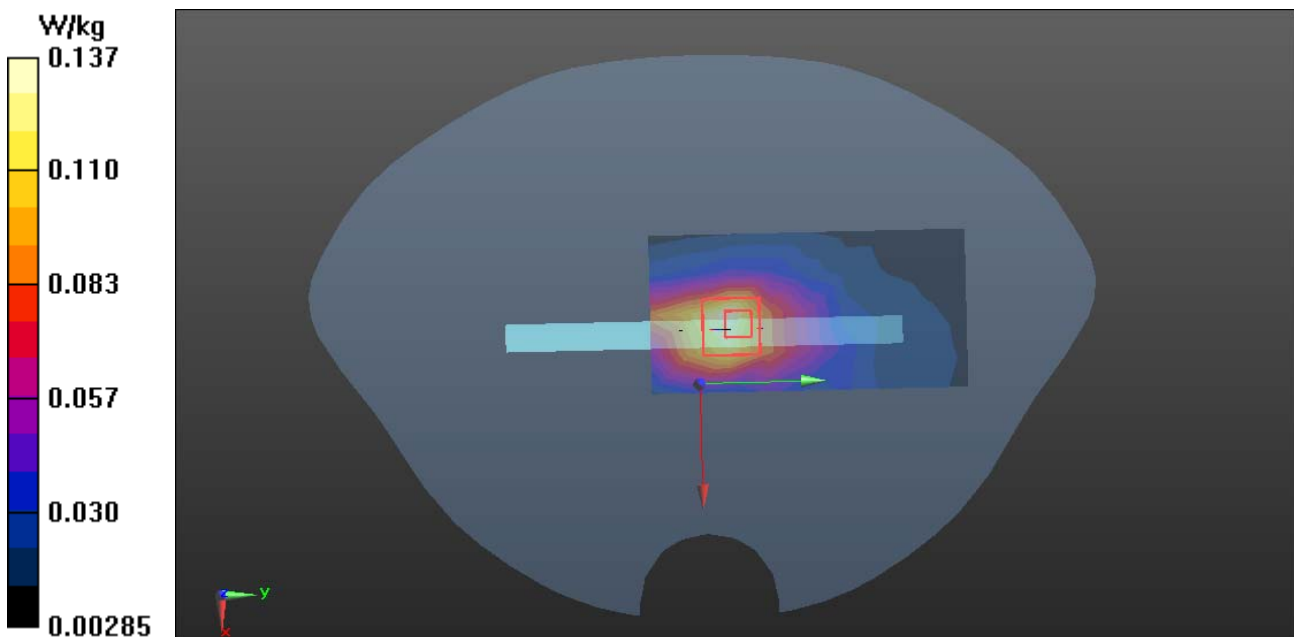
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.221 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.161 W/kg

**SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.056 W/kg**

Maximum value of SAR (measured) = 0.137 W/kg





Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS1900-Body - Right Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 51.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS1900/GPRS 1900 Body Right Middle CH661/Area Scan (9x6x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.116 W/kg

**GPRS1900/GPRS 1900 Body Right Middle CH661/Zoom Scan (5x5x7)/Cube**

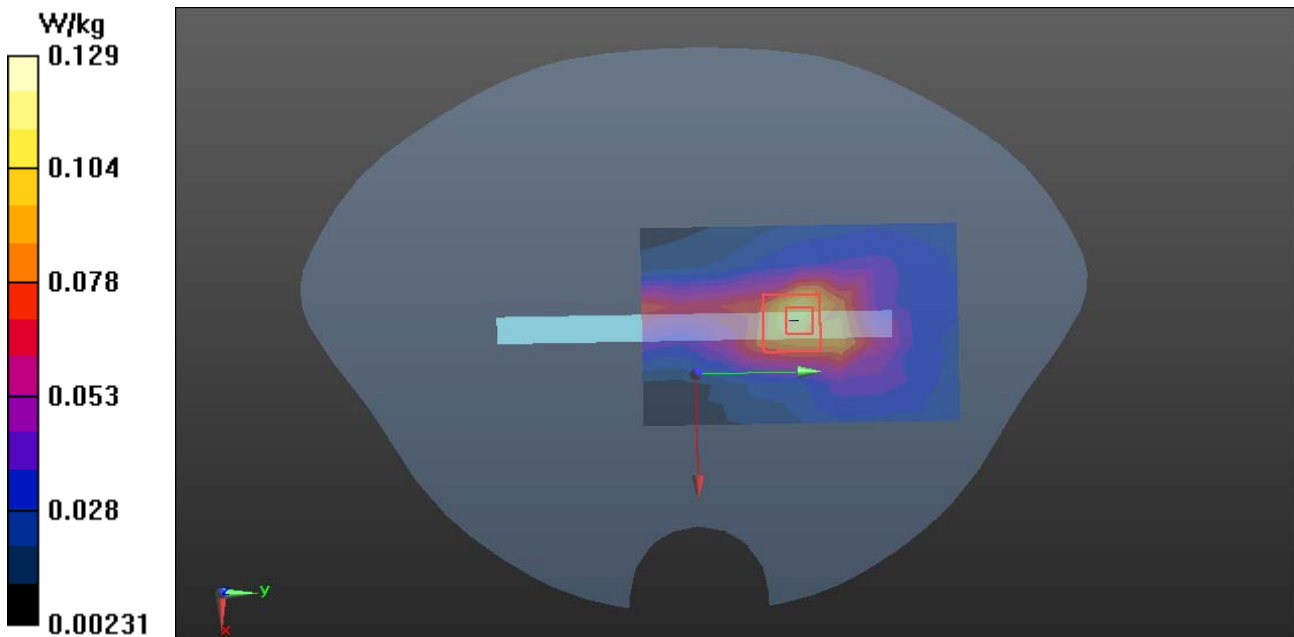
**0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.617 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.160 W/kg

**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.129 W/kg







Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**GPRS1900-Body – Bottom Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 51.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS1900/GPRS 1900 Body Middle CH661/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.356 W/kg

**GPRS1900/GPRS 1900 Body Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

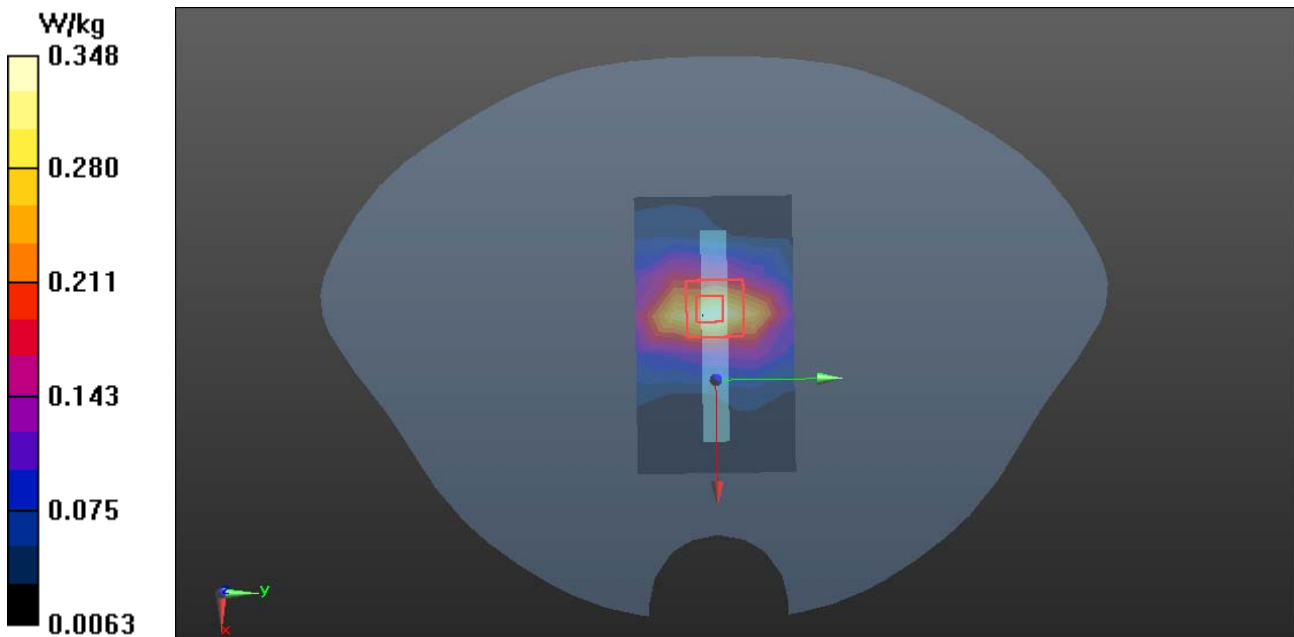
Measurement grid: dx=8mm, dy=8mm, dz=5mm

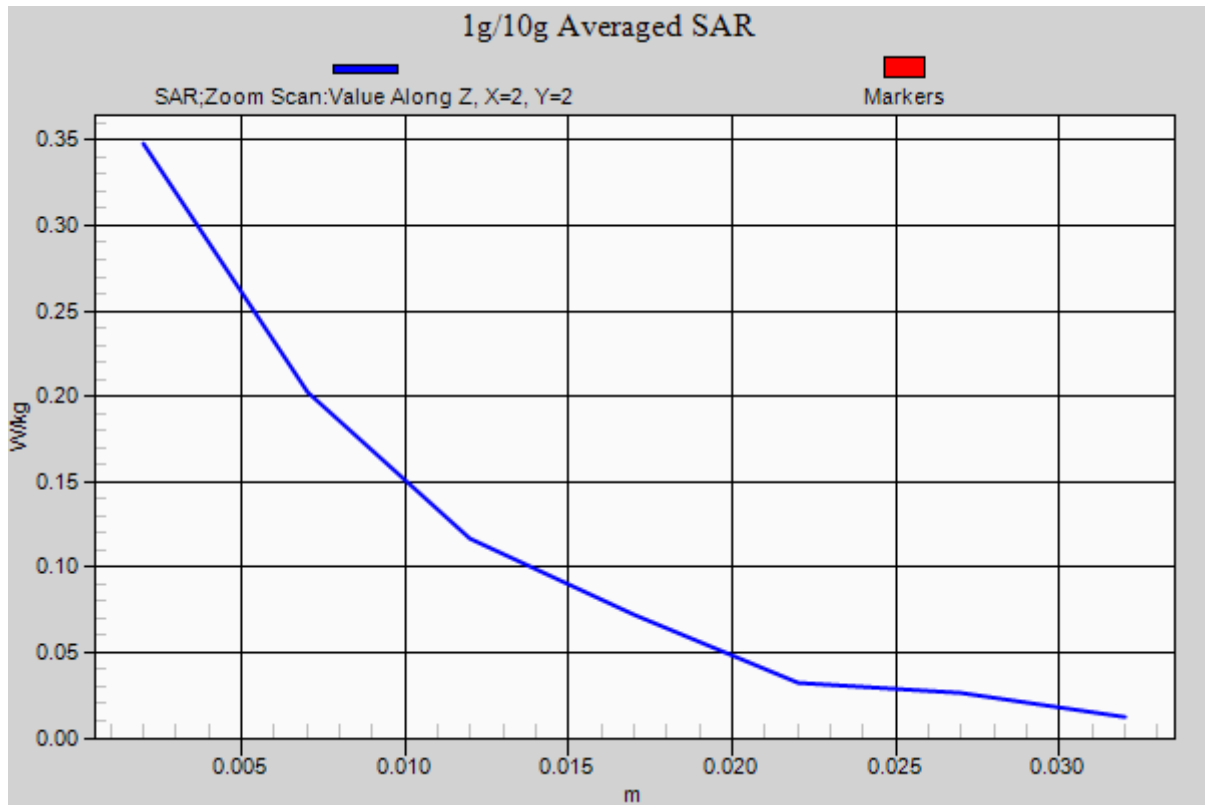
Reference Value = 10.678 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.424 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.131 W/kg**

Maximum value of SAR (measured) = 0.348 W/kg







Date: 3/26/2013

Test Laboratory: Compliance Certification Services Inc.

**PCS1900-Body – Bottom Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Duty Cycle: 1:7.99834

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 51.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**PCS1900/PCS 1900 Body Bottom Middle CH661/Area Scan (5x8x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.488 W/kg

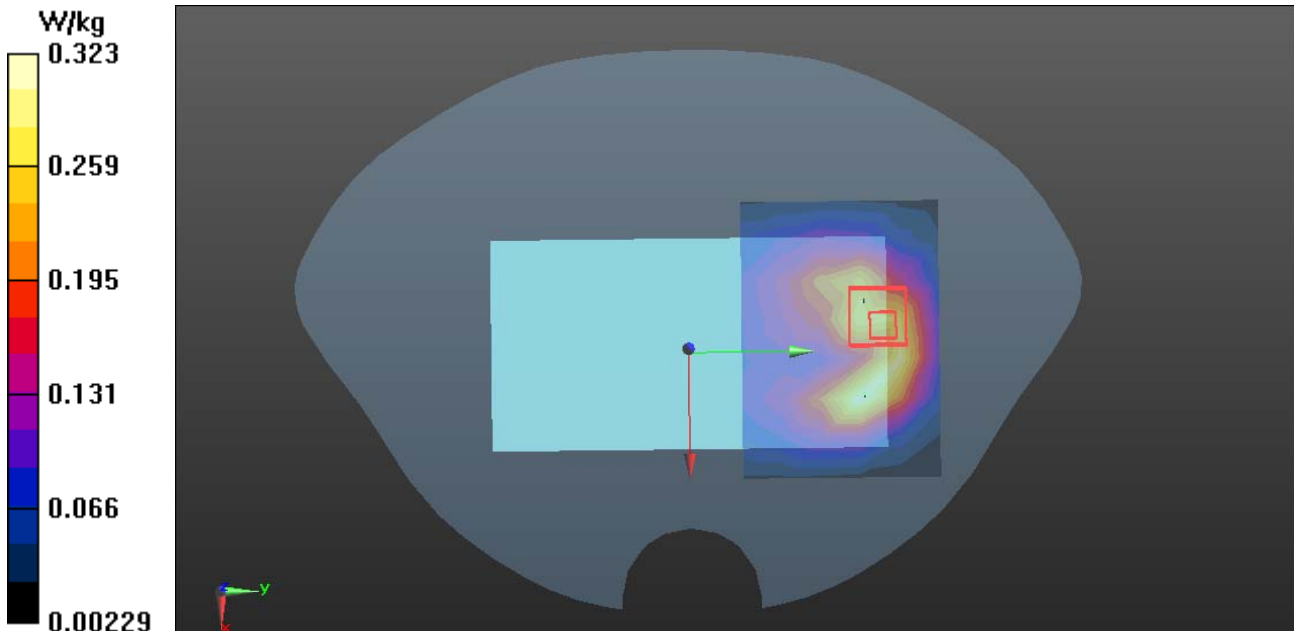
**PCS1900/PCS 1900 Body Bottom Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.119 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.421 W/kg

**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.135 W/kg**





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Body Up Middle CH4182**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA/WCDMA Band V Body Up Middle CH4182/Area Scan (6x8x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0628 W/kg

**WCDMA/WCDMA Band V Body Up Middle CH4182/Zoom Scan (9x6x7)/Cube**

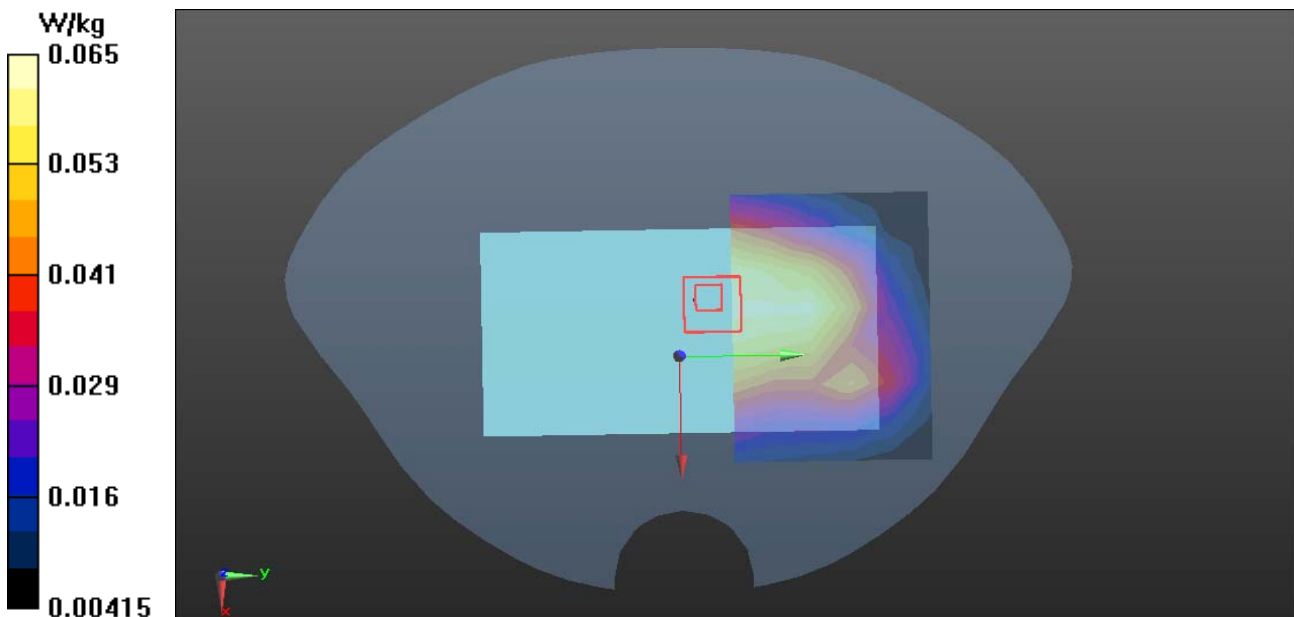
**0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.933 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0730 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.043 W/kg**

Maximum value of SAR (measured) = 0.0653 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Body Down Low CH4132**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  S/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA/WCDMA Band V Body Down Low CH4132/Area Scan (6x8x1):**

Measurement grid: dx=15mm, dy=15mm

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

**WCDMA/WCDMA Band V Body Down Low CH4132/Zoom Scan**

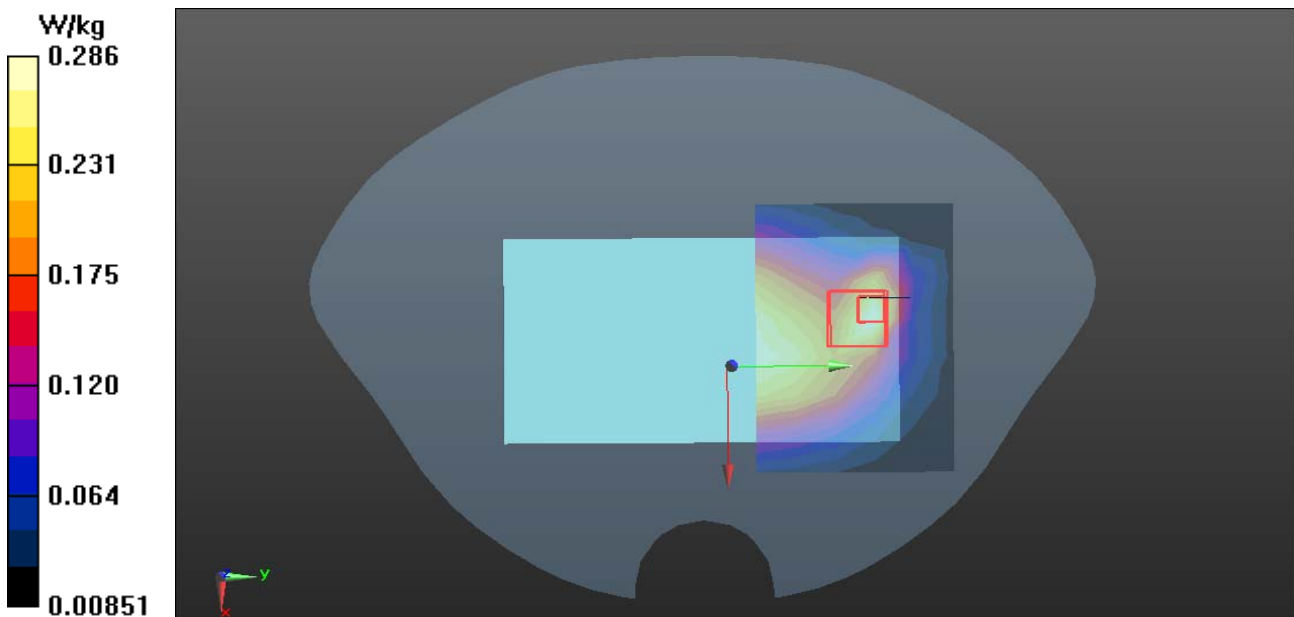
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

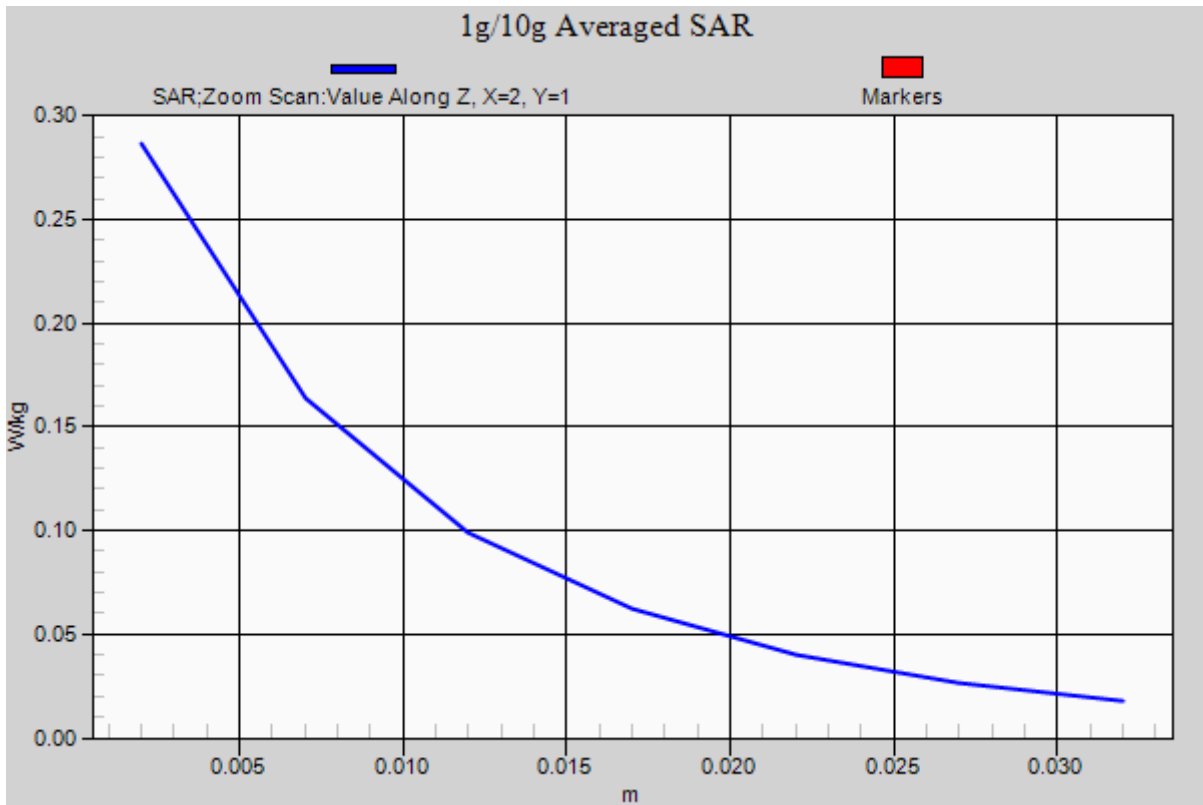
Reference Value = 16.922 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.395 W/kg

**SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.286 W/kg







Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Body - Left Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 41.723$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA Band V/WCDMA Band V Body Left Middle CH661/Area Scan**

**(9x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0977 W/kg

**WCDMA Band V/WCDMA Band V Body Left Middle CH661/Zoom Scan**

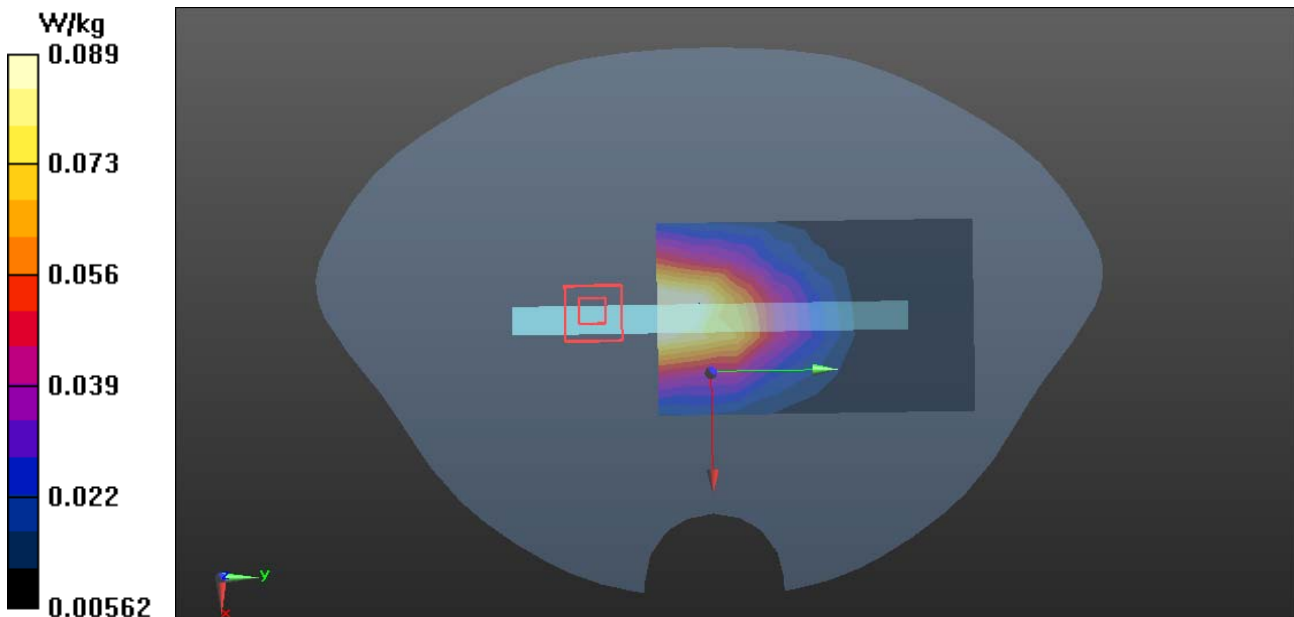
**(8x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.278 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.106 W/kg

**SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.042 W/kg**

Maximum value of SAR (measured) = 0.0894 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Body - Right Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 41.723$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA Band V/WCDMA Band V Body Right Middle CH661/Area Scan**

**(9x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.125 W/kg

**WCDMA Band V/WCDMA Band V Body Right Middle CH661/Zoom Scan**

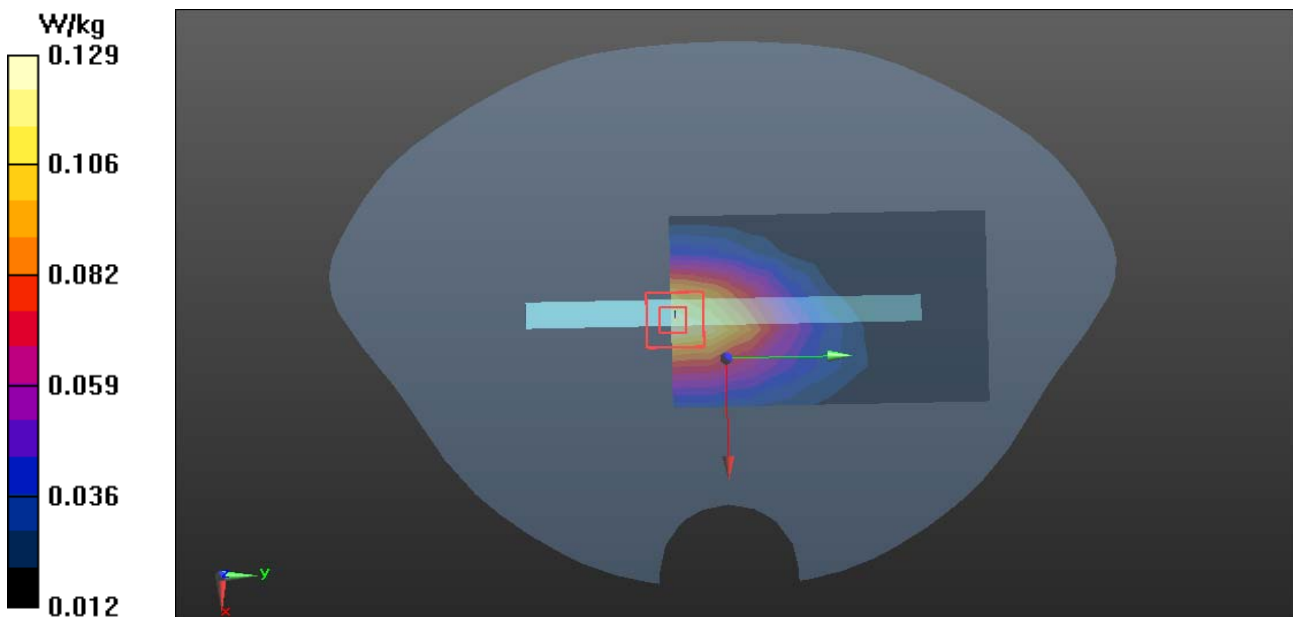
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.339 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.151 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.071 W/kg**

Maximum value of SAR (measured) = 0.129 W/kg







Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**WCDMA Band V-Body – Bottom Middle CH661**

**DUT: Mobile phone; Type: N9330; Serial: 359330010732954**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 41.723$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.03, 9.03, 9.03); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**WCDMA Band V/WCDMA Band V Body Bottom Middle CH661/Area Scan**

**(5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0545 W/kg

**WCDMA Band V/WCDMA Band V Body Bottom Middle CH661/Zoom Scan**

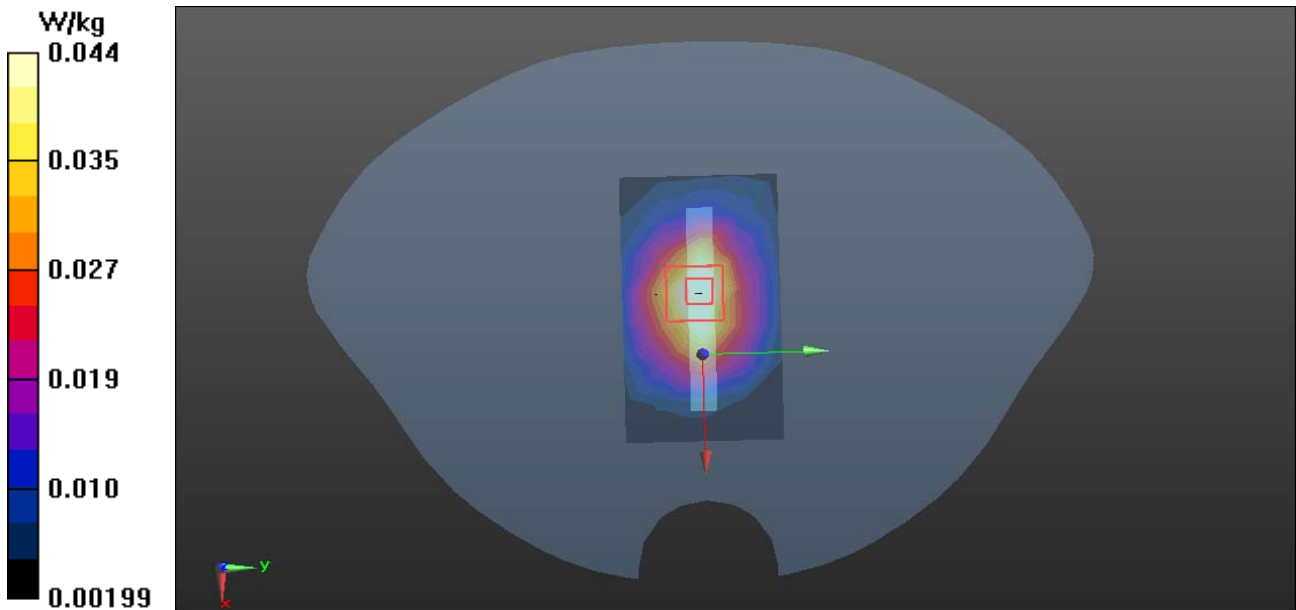
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.665 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0550 W/kg

**SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.020 W/kg**

Maximum value of SAR (measured) = 0.0438 W/kg





Date: 3/23/2013

Test Laboratory: Compliance Certification Services Inc.

**IEEE 802.11b-Boby Up Middle CH6**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.883$  S/m;  $\epsilon_r = 38.021$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(6.87, 6.87, 6.87); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**802.11b/802.11b Boby Up Middle CH6/Area Scan (7x9x1):** Measurement grid:

$dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0343 W/kg

**802.11b/802.11b Boby Up Middle CH6/Zoom Scan (8x8x7)/Cube 0:**

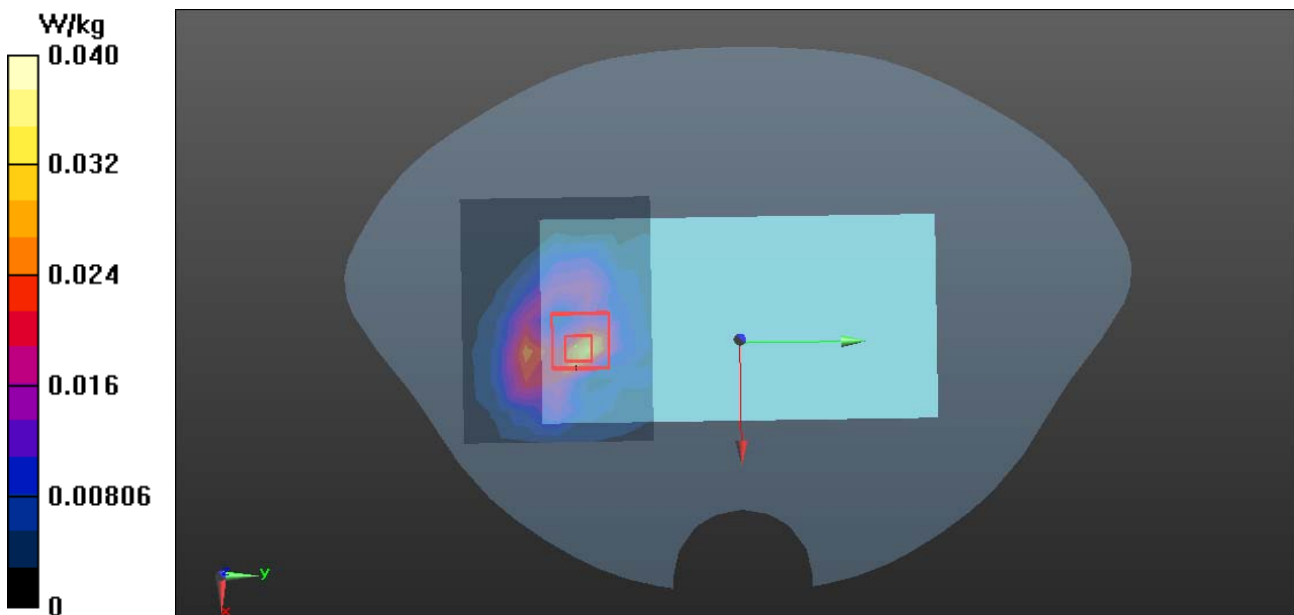
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.849 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0870 W/kg

**SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.00921 W/kg**

Maximum value of SAR (measured) = 0.0403 W/kg





Date: 3/23/2013

Test Laboratory: Compliance Certification Services Inc.

**IEEE 802.11b-Boby Down Middle CH6**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.883$  S/m;  $\epsilon_r = 38.021$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(6.87, 6.87, 6.87); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**802.11b/802.11b Body Down Middle CH6/Area Scan (7x9x1):** Measurement grid:  
dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.187 W/kg

**802.11b/802.11b Body Down Middle CH6/Zoom Scan (8x8x7)/Cube 0:**

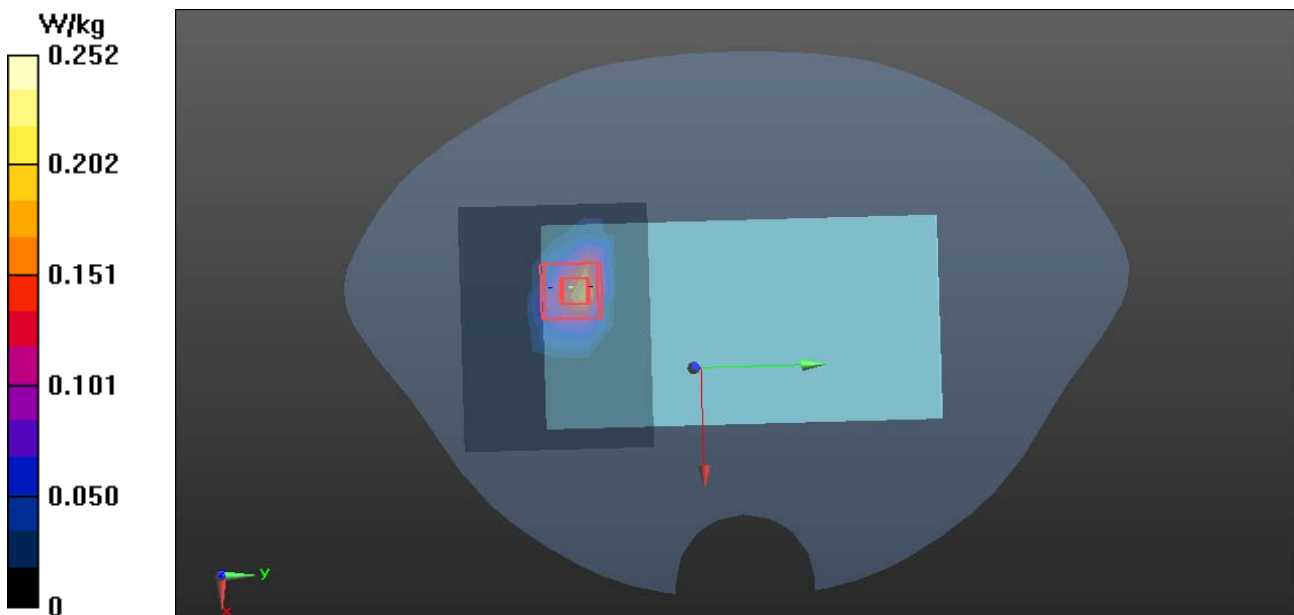
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.583 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.350 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.064 W/kg**

Maximum value of SAR (measured) = 0.252 W/kg





Date: 3/23/2013

Test Laboratory: Compliance Certification Services Inc.

**IEEE 802.11b-Boby - Left Middle CH6**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.883$  S/m;  $\epsilon_r = 38.021$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(6.87, 6.87, 6.87); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**802.11b/802.11b Boby Left Middle CH6/Area Scan (6x9x1):** Measurement grid:

$dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.00477 W/kg

**802.11b/802.11b Boby Left Middle CH6/Zoom Scan (8x7x7)/Cube 0:**

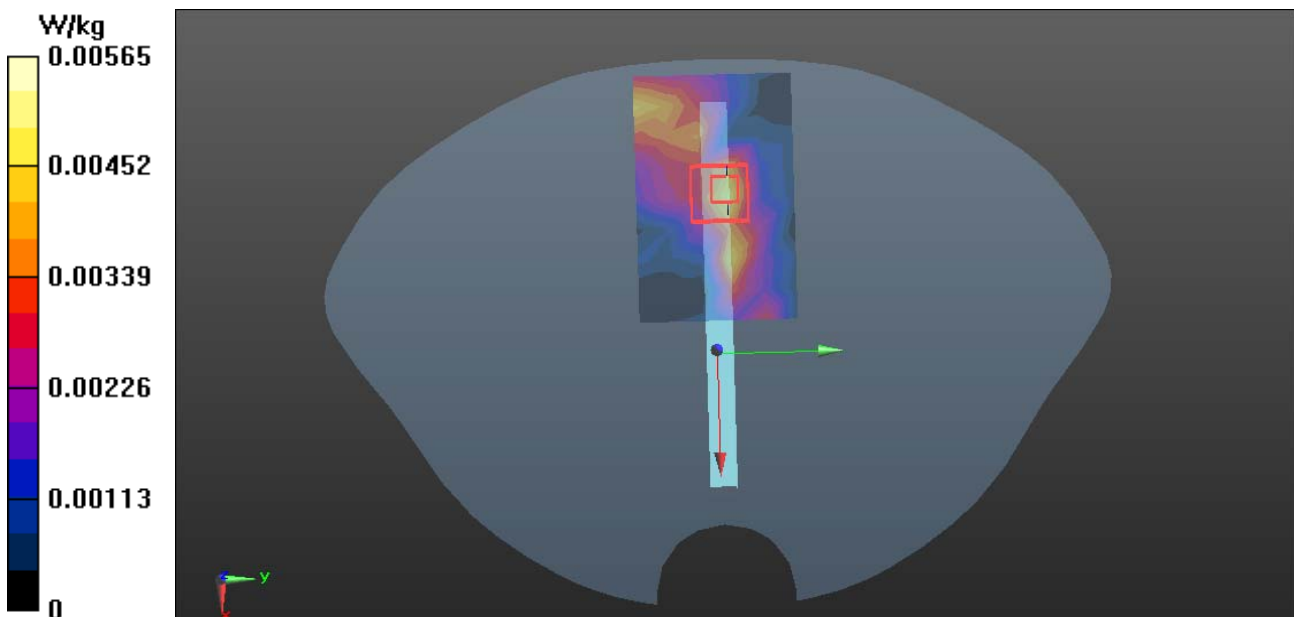
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.785 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.0100 W/kg

**SAR(1 g) = 0.00269 W/kg; SAR(10 g) = 0.00094 W/kg**

Maximum value of SAR (measured) = 0.00565 W/kg





Date: 3/24/2013

Test Laboratory: Compliance Certification Services Inc.

**IEEE 802.11b-Boby – Top Middle CH6**

**DUT: Mobile Phone; Type: N9330; Serial: 359330010732954**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band;  
Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.883$  S/m;  $\epsilon_r = 38.021$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(6.87, 6.87, 6.87); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**802.11b/802.11b Boby Top Middle CH6/Area Scan (6x10x1):** Measurement grid:  
dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.204 W/kg

**802.11b/802.11b Boby Top Middle CH6/Zoom Scan (8x8x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.546 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.374 W/kg

**SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.070 W/kg**

Maximum value of SAR (measured) = 0.270 W/kg

