

Date/Time: 9/2/2006 7:04:31 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Body-worn 802.11b

DUT: WF6972; Type ; Serial: 00001

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

1.5cm Body position/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.293 mW/g

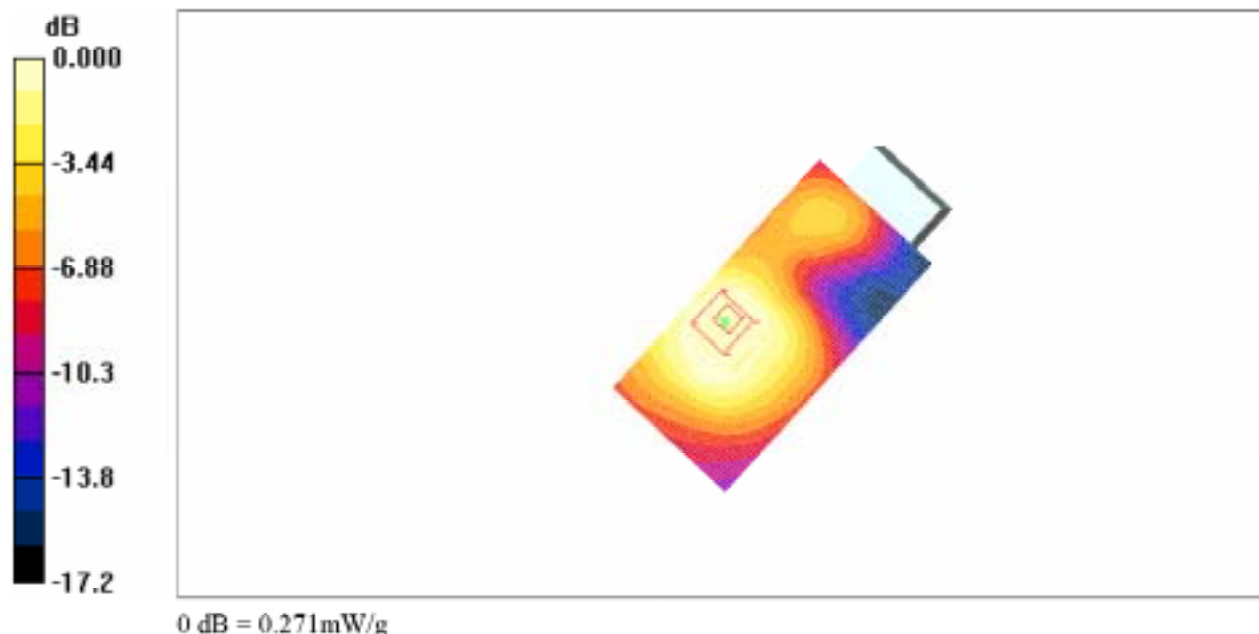
1.5cm Body position/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.87 V/m; Power Drift = -0.846 dB

Peak SAR (extrapolated) = 0.527 W/kg

SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.271 mW/g



Plot 15#

Date/Time: 9/2/2006 1:24:24 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Right Head Low Ch Touch

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.16 mW/g

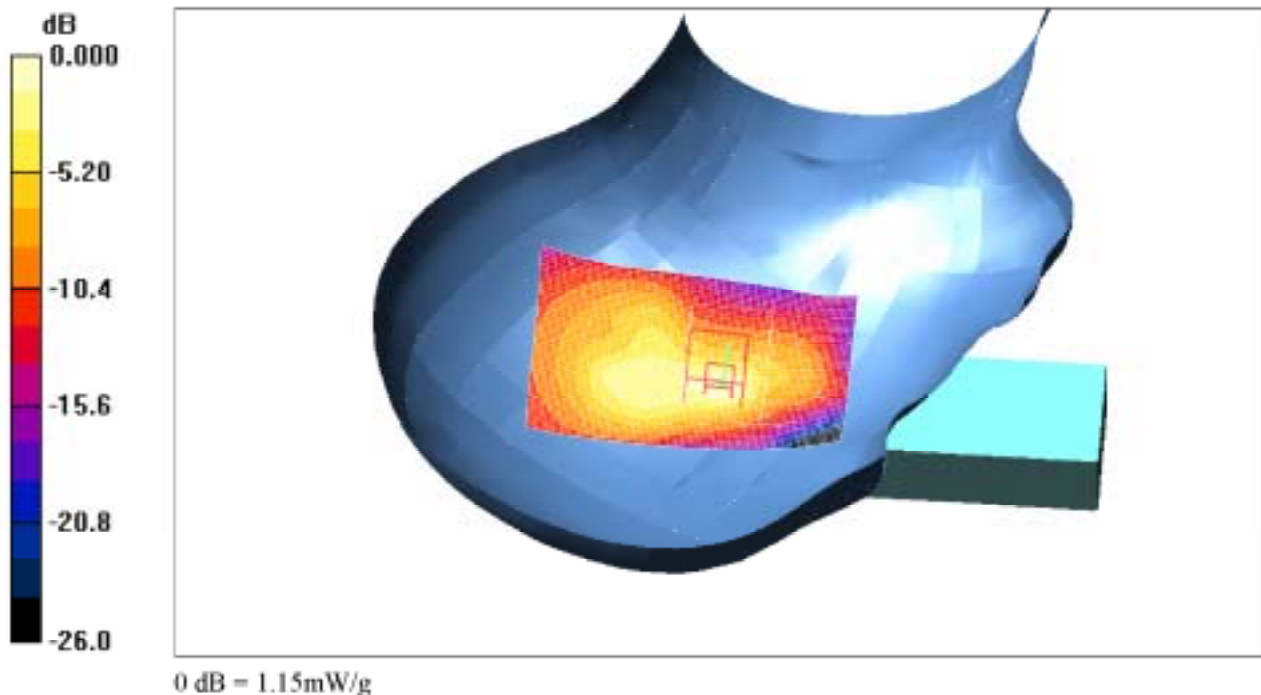
Touch position - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.421 mW/g

Maximum value of SAR (measured) = 1.15 mW/g



Plot 16#

Date/Time: 9/2/2006 1:40:05 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Right Head Low Ch Tilt

DUT: WF6972; Type: Sample; Serial: 00001

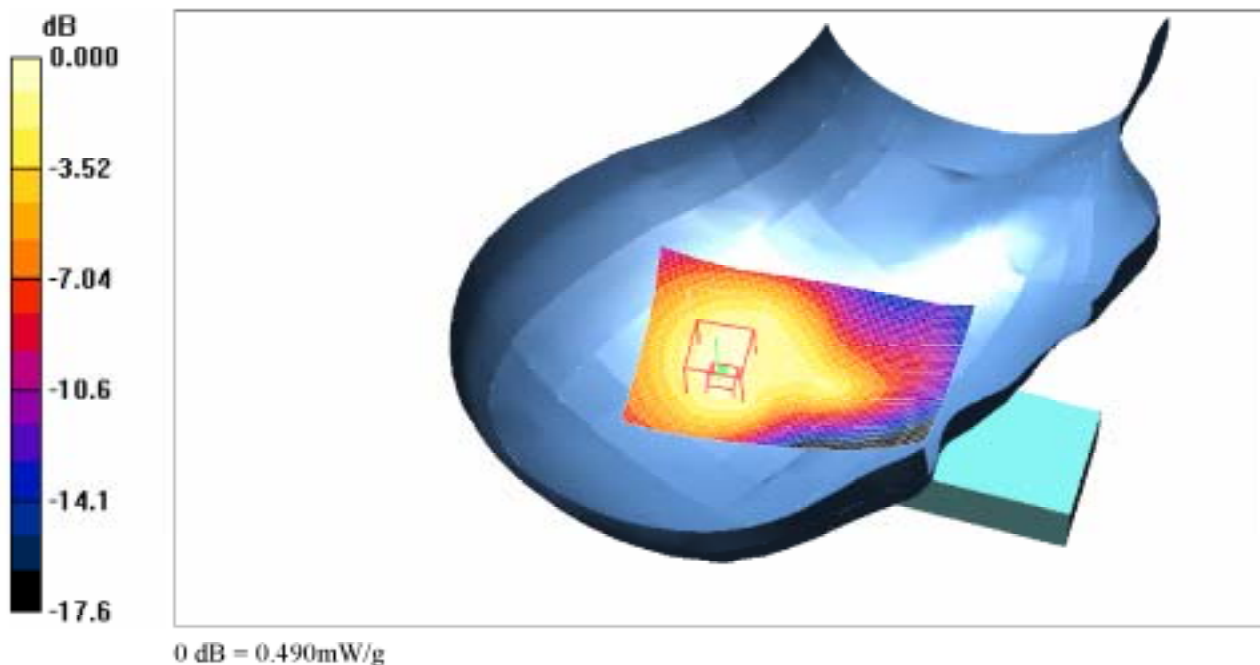
Communication System: 802.11g; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Tilt position - Low/Area Scan (51x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.488 mW/g

Tilt position - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 12.0 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.971 W/kg

SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.490 mW/g



Plot 17#

Date/Time: 9/2/2006 12:51:32 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Right Head Mid Ch Touch

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Touch position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.03 mW/g

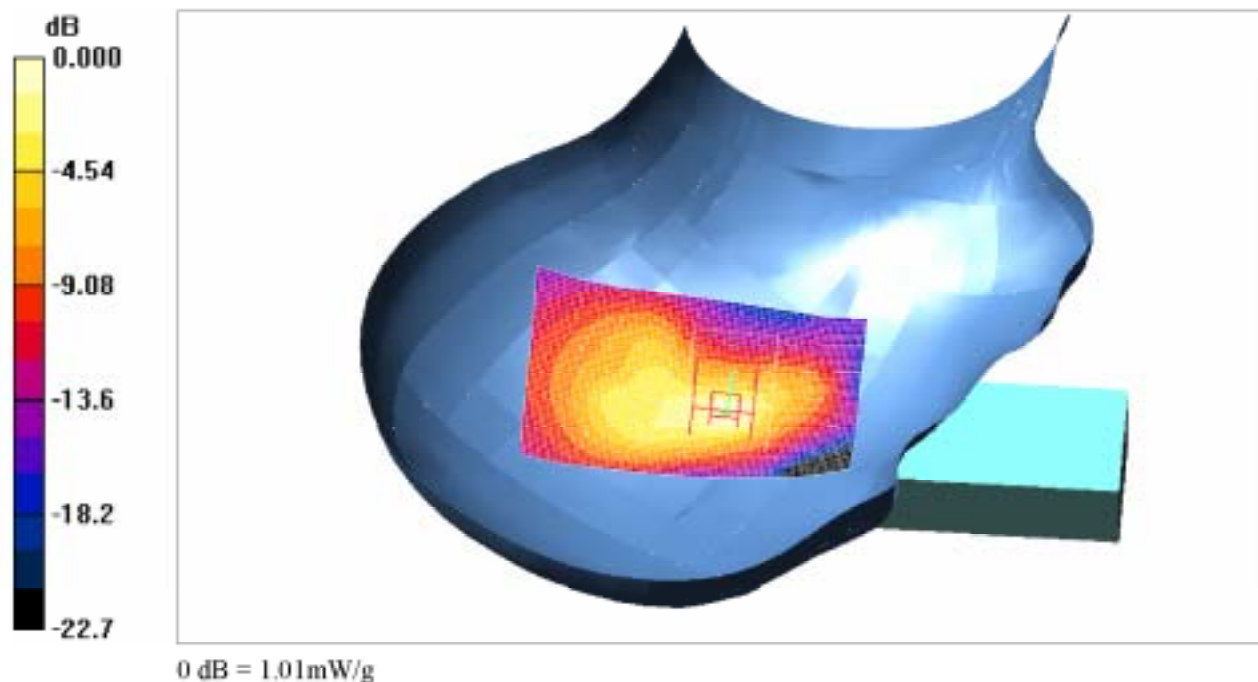
Touch position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.372 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



Plot 18#

Date/Time: 9/2/2006 1:06:37 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Right Head Mid Ch Tilt

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Tilt position - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.374 mW/g

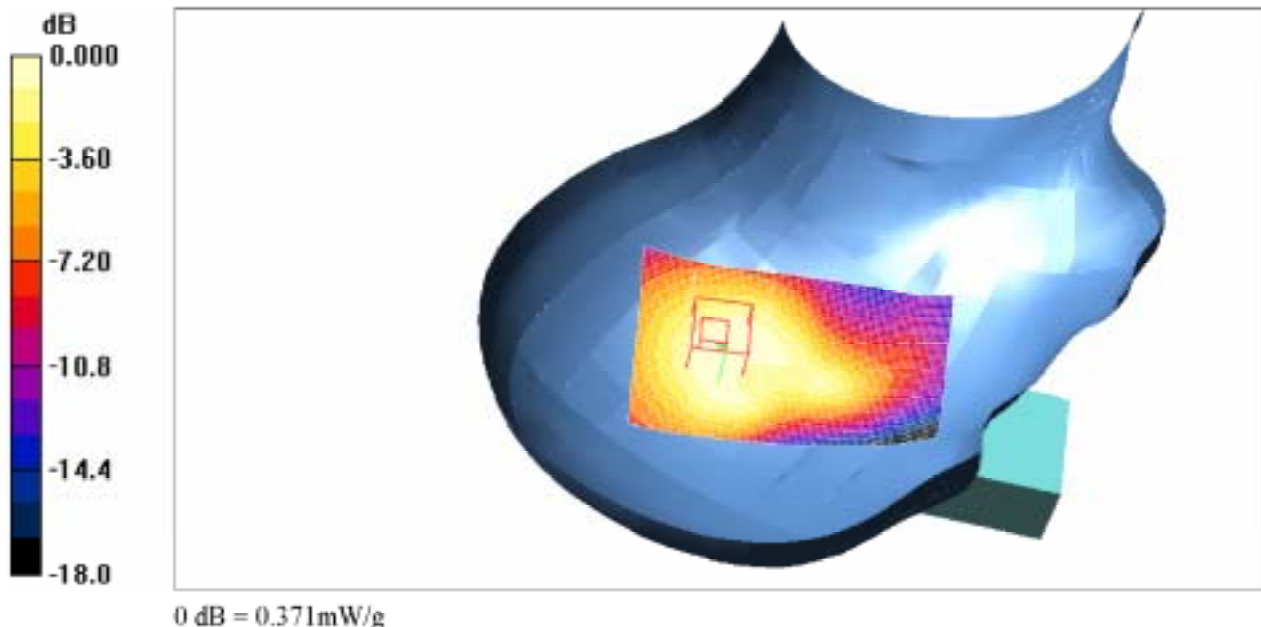
Tilt position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = -0.137 dB

Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.371 mW/g



Plot 19#

Date/Time: 9/2/2006 2:00:50 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Right Head High Ch Touch

DUT: WF6972; Type: Sample; Serial: 00001

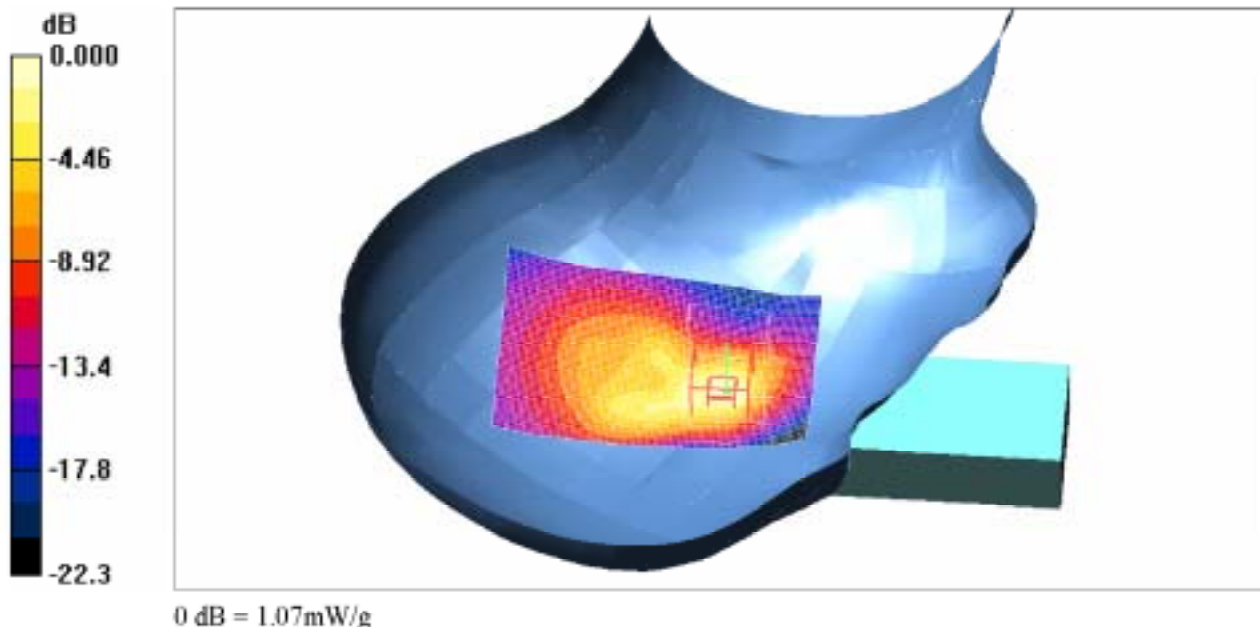
Communication System: 802.11g; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Touch position -High/Area Scan (51x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 1.07 mW/g

Touch position -High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 9.74 V/m; Power Drift = -0.127 dB
Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.971 mW/g; SAR(10 g) = 0.408 mW/g
Maximum value of SAR (measured) = 1.07 mW/g



Plot 20

Date/Time: 9/2/2006 2:16:23 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Right Head High Ch Tilt

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Tilt position -High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.332 mW/g

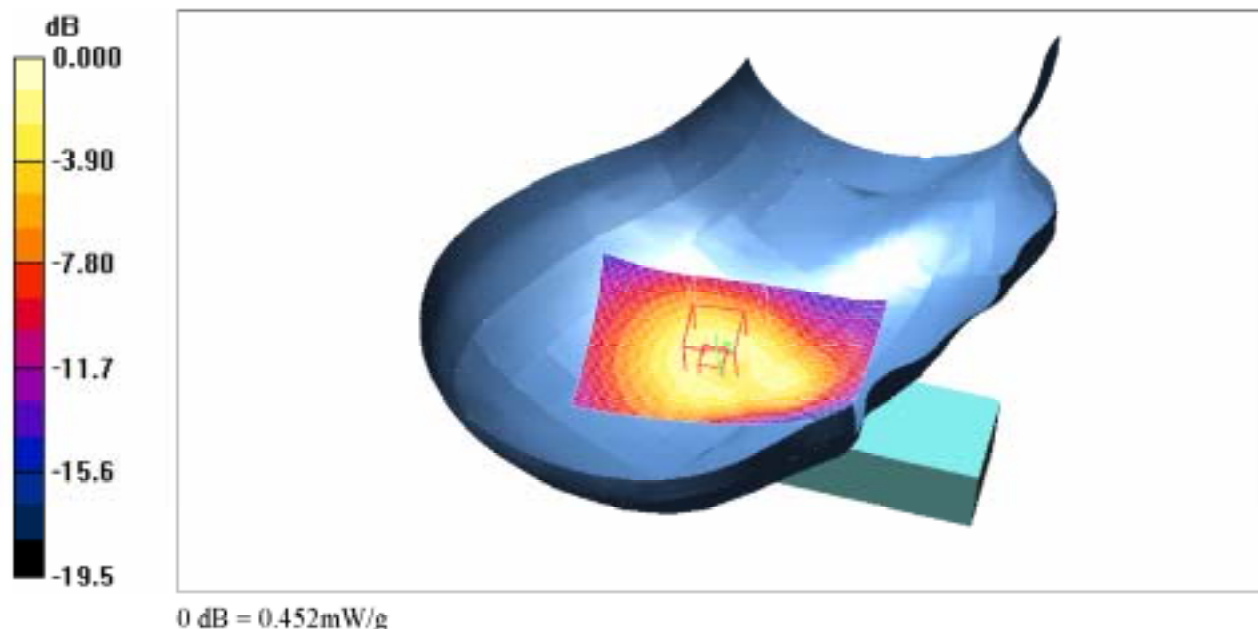
Tilt position -High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = 0.662 dB

Peak SAR (extrapolated) = 0.894 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.452 mW/g



Plot 21#

Date/Time: 9/2/2006 5:10:56 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Left Head Low Touch

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

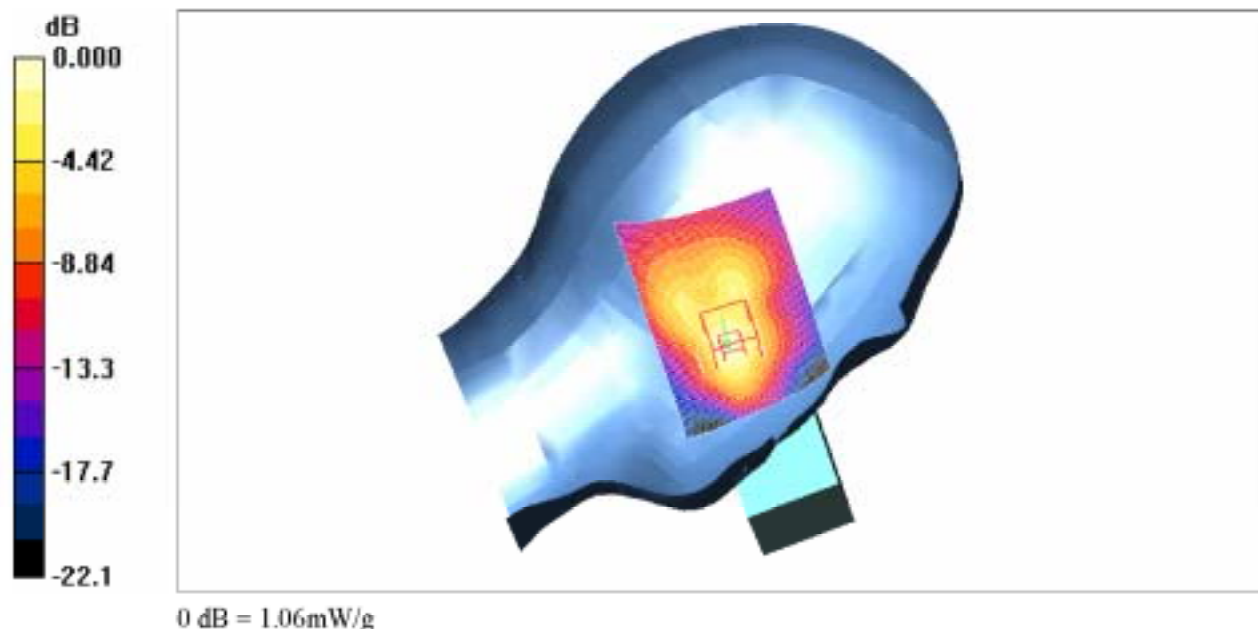
Touch position - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.0 V/m; Power Drift = -0.197 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.974 mW/g; SAR(10 g) = 0.430 mW/g

Maximum value of SAR (measured) = 1.06 mW/g



Plot 22#

Date/Time: 9/2/2006 5:26:26 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Left Head Low Tilt

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Tilt position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.598 mW/g

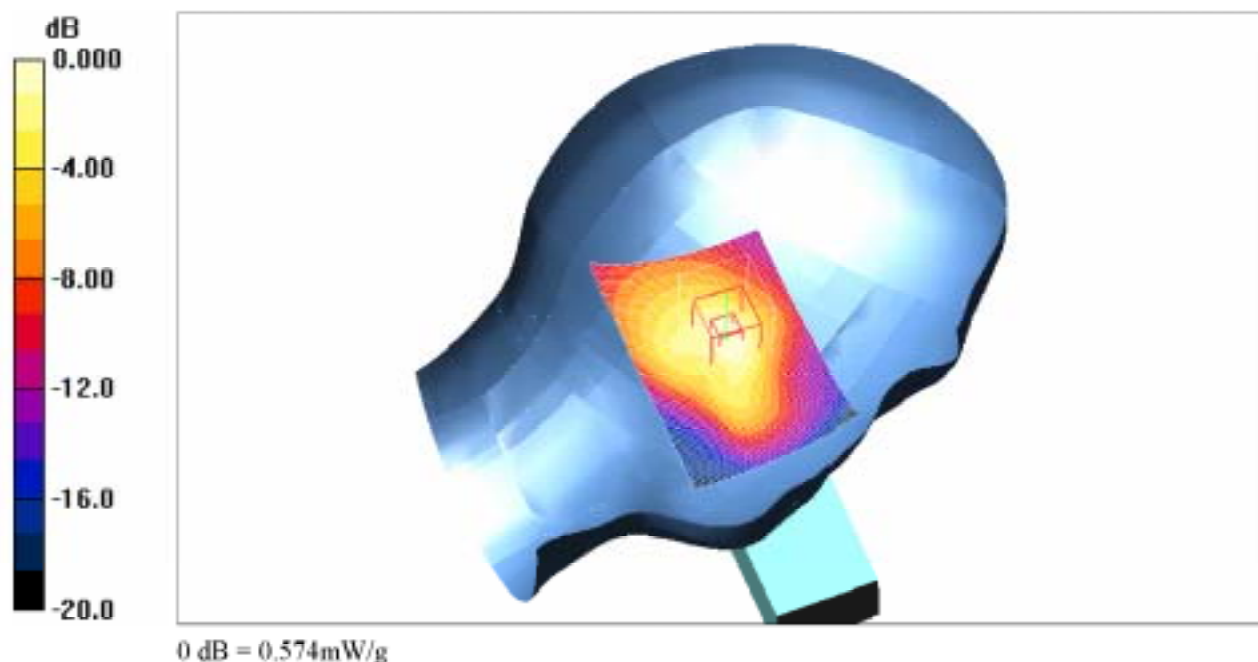
Tilt position - Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = -0.290 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.574 mW/g



Plot 23#

Date/Time: 9/2/2006 4:36:41 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Left Head Mid Touch

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.822 mW/g

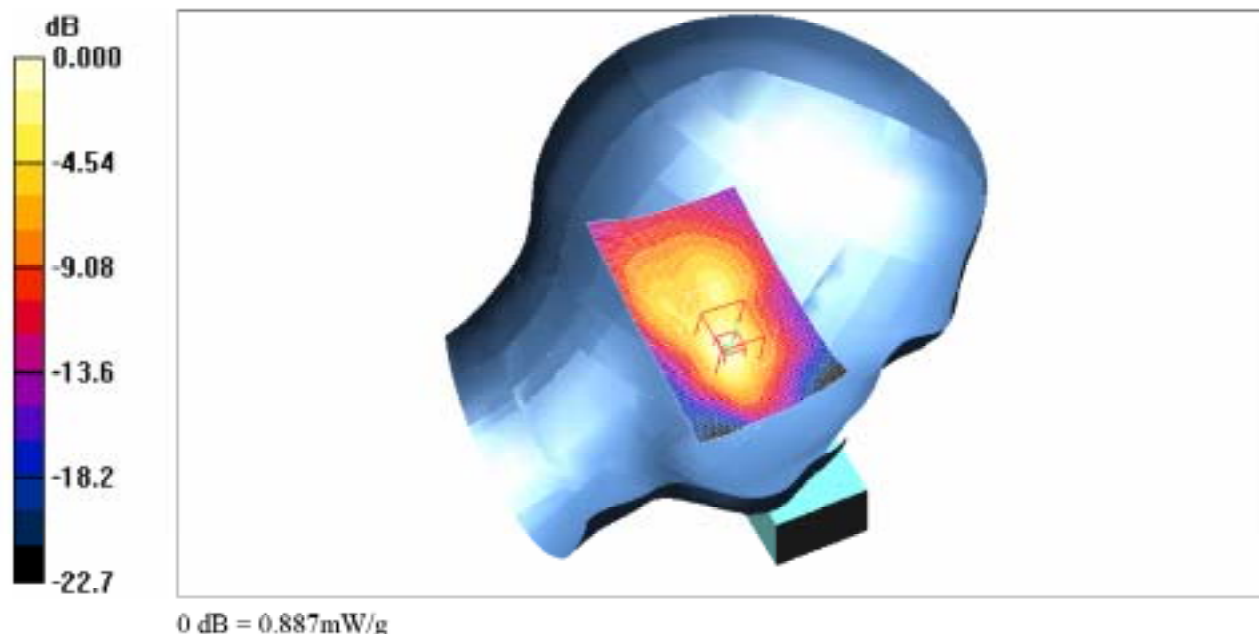
Touch position - Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.255 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.350 mW/g

Maximum value of SAR (measured) = 0.887 mW/g



Plot 24#

Date/Time: 9/2/2006 4:51:53 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Left Head Mid Tilt

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Tilt position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.491 mW/g

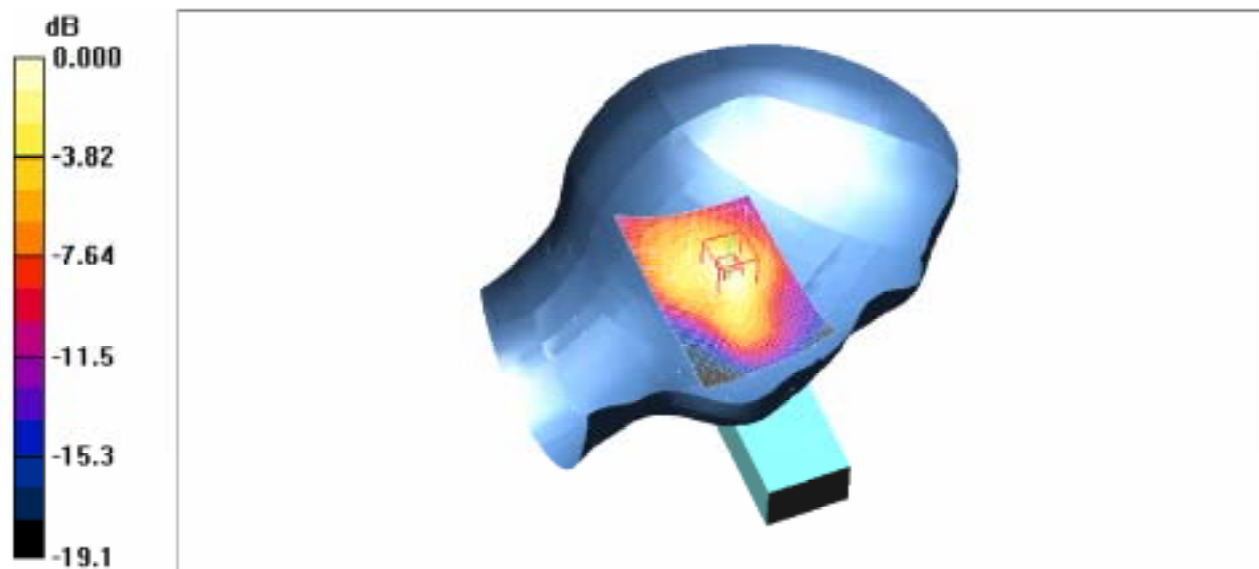
Tilt position - Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 0.941 W/kg

SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.219 mW/g

Maximum value of SAR (measured) = 0.475 mW/g



Plot 25#

Date/Time: 9/2/2006 6:20:55 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Left Head High Touch

DUT: WF6972; Type: Sample; Serial: 00001

Communication System: 802.11g; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.764 mW/g

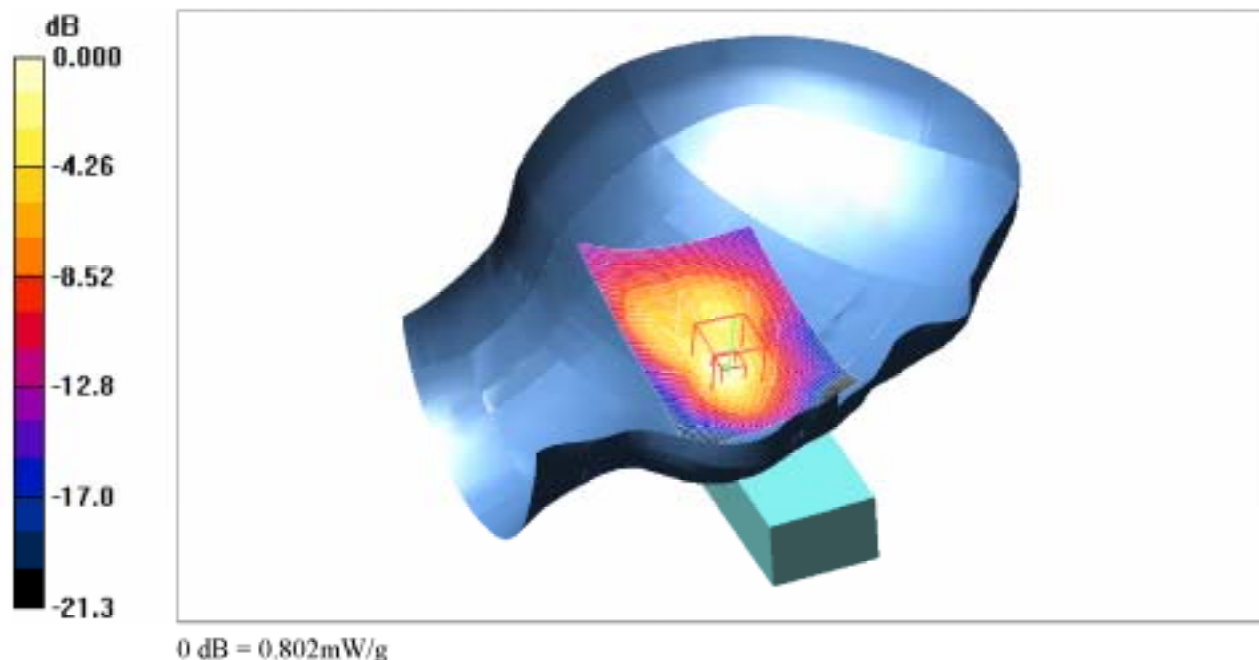
Touch position - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.8 V/m; Power Drift = -0.764 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.309 mW/g

Maximum value of SAR (measured) = 0.802 mW/g



Plot 26#

Date/Time: 9/2/2006 6:36:02 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Left Head High Tilt

DUT: WF6972; Type: Sample; Serial: 00001

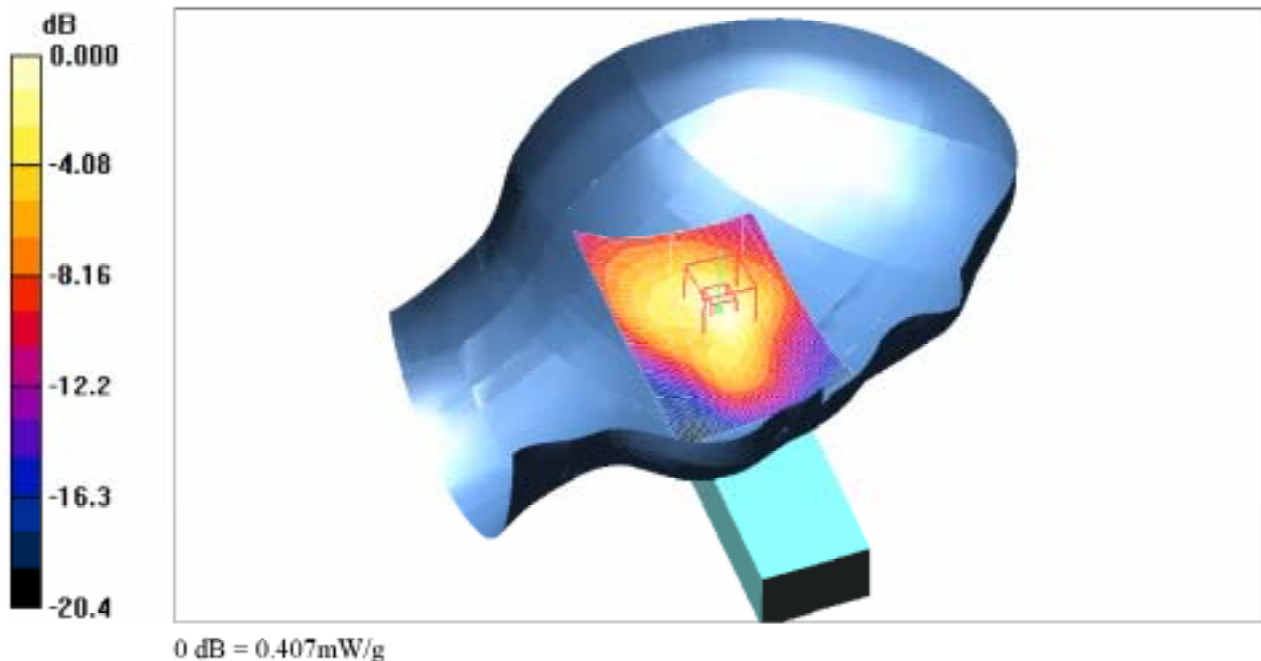
Communication System: 802.11g; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.6, 4.6, 4.6); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Tilt position - High/Area Scan (51x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.427 mW/g

Tilt position - High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 12.9 V/m; Power Drift = -0.357 dB
Peak SAR (extrapolated) = 0.775 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.407 mW/g



Plot 27#

Date/Time: 9/2/2006 7:38:04 PM

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)

Body-worn 802.11g

DUT: WF6972; Type:; Serial: 00001

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 5/2/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 10/18/2005
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

1.5cm Body position/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.229 mW/g

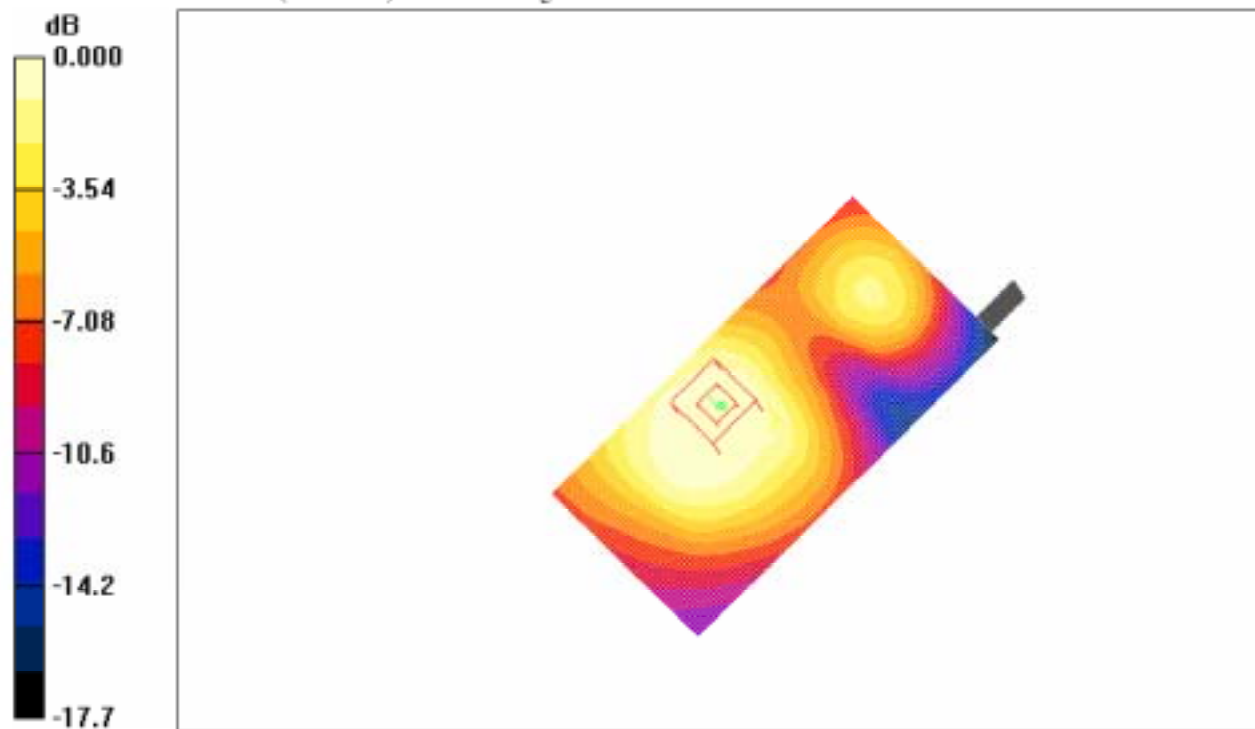
1.5cm Body position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.87 V/m; Power Drift = -0.359 dB

Peak SAR (extrapolated) = 0.448 W/kg

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.227 mW/g



Plot 28#

APPENDIX F – CONDUCTED OUTPUT POWER MEASUREMENT

Provision Applicable

The measured peak output power should be greater and within 5% than EMI measurement.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

Test equipment

Agilent E4446A Spectrum Analyzer, Calibration Due Date: 2006-03-06

Test Results

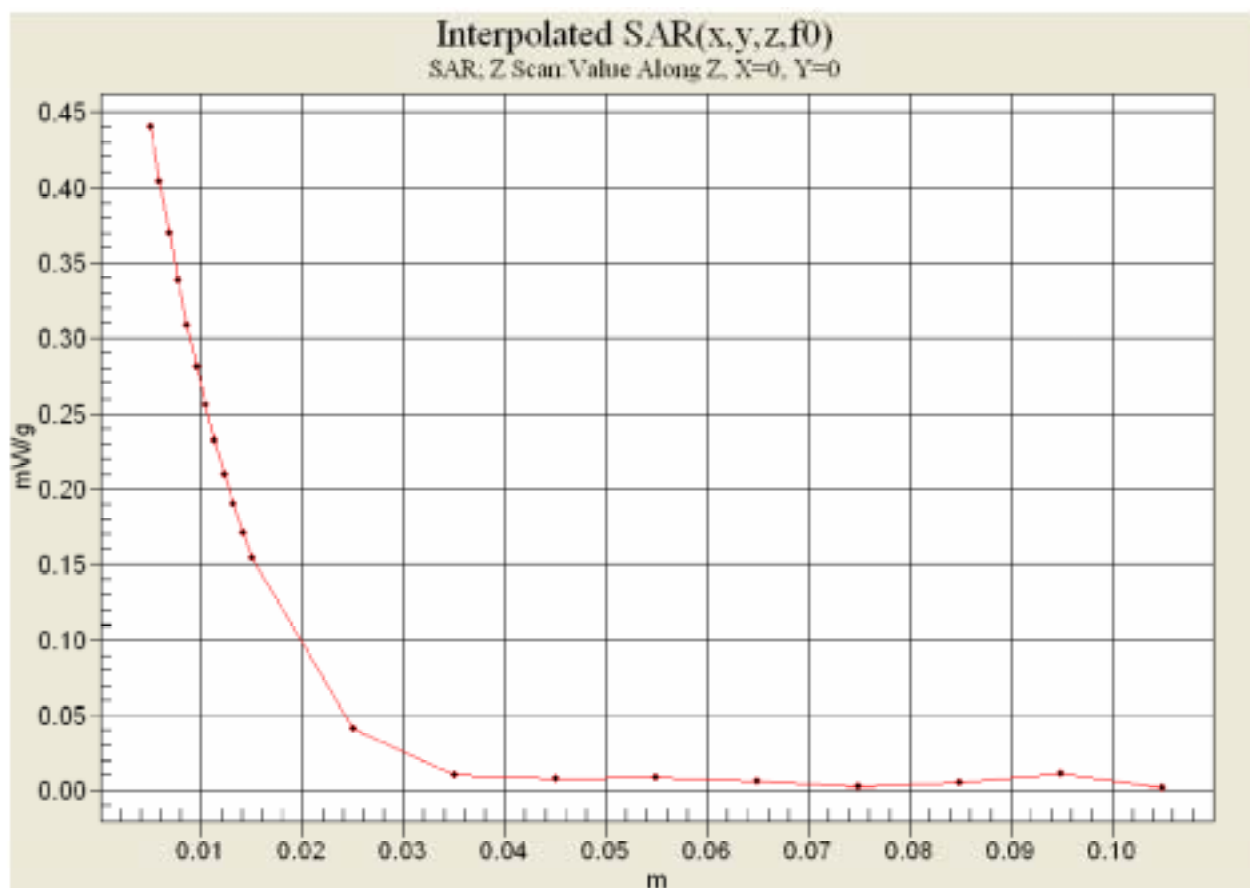
802.11b mode:

Frequency (MHz)	Output Power in dBm	Output Power in mw
2412	19.1	81.28
2437	19.9	97.72
2462	19	79.43

802.11g mode:

Frequency (MHz)	Output Power in dBm	Output Power in mw
2412	19	79.43
2437	18.8	75.86
2462	18	63.10

APPENDIX G – Z-AXIS PLOT



APPENDIX H – EUT TEST POSITION PHOTOS

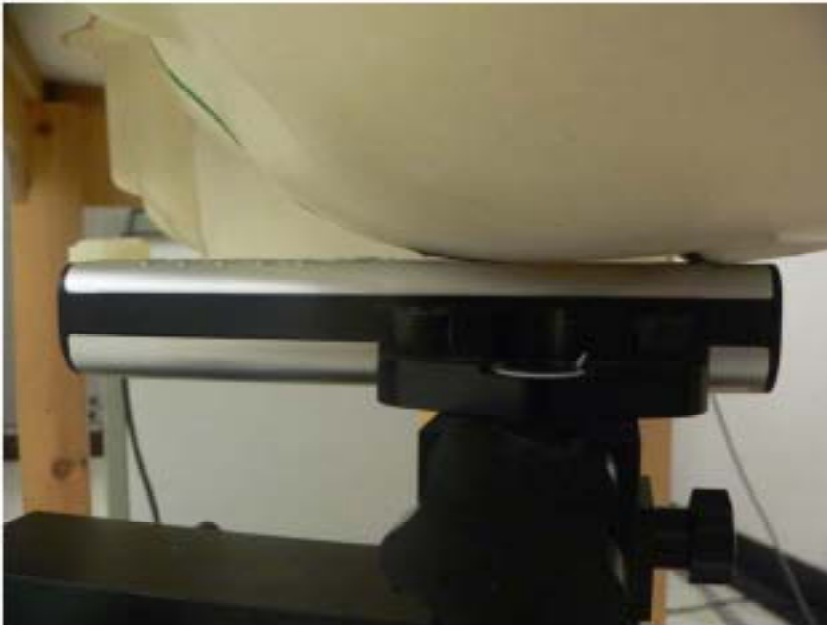
Right Head Touch Position



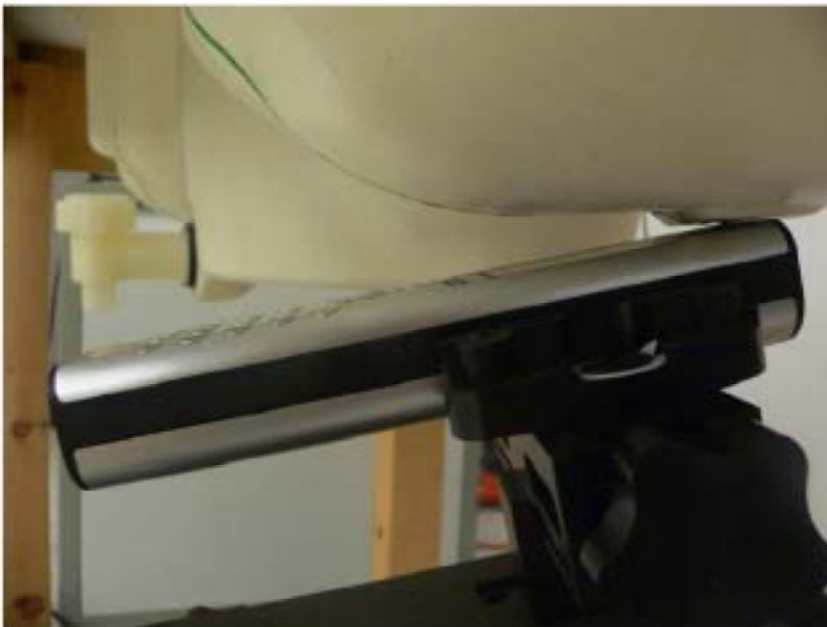
Right Head Tilt Position



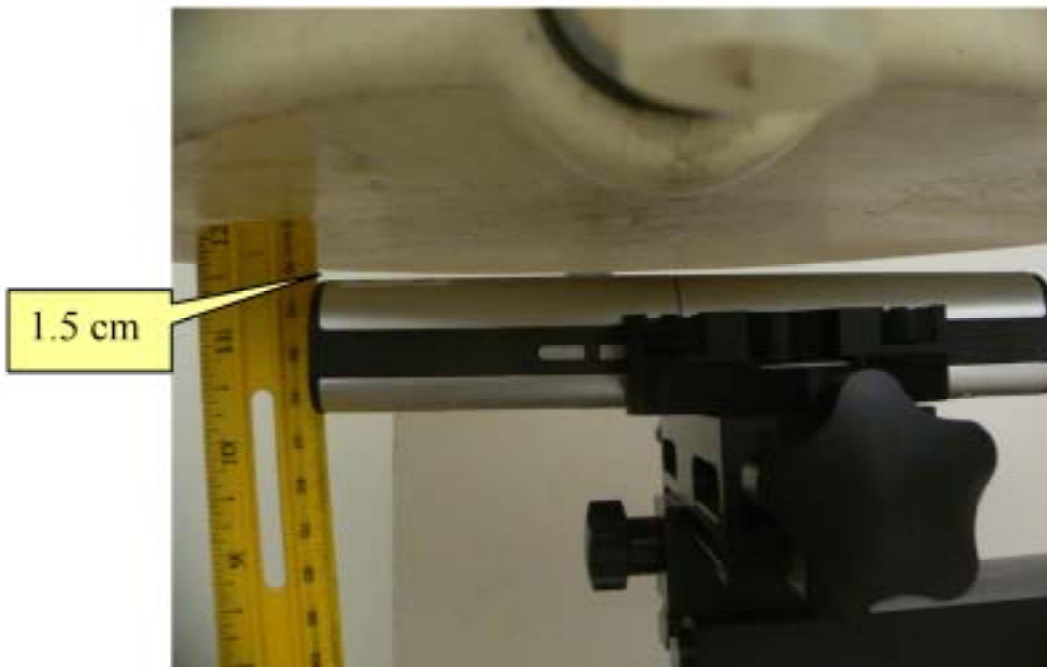
Left Head Touch Position



Left Head Tilt Position



Body-worn Position



APPENDIX I – EUT & ACCESSORIES PHOTOS

Cordless Phone System View



Base Front View



Handset Front View



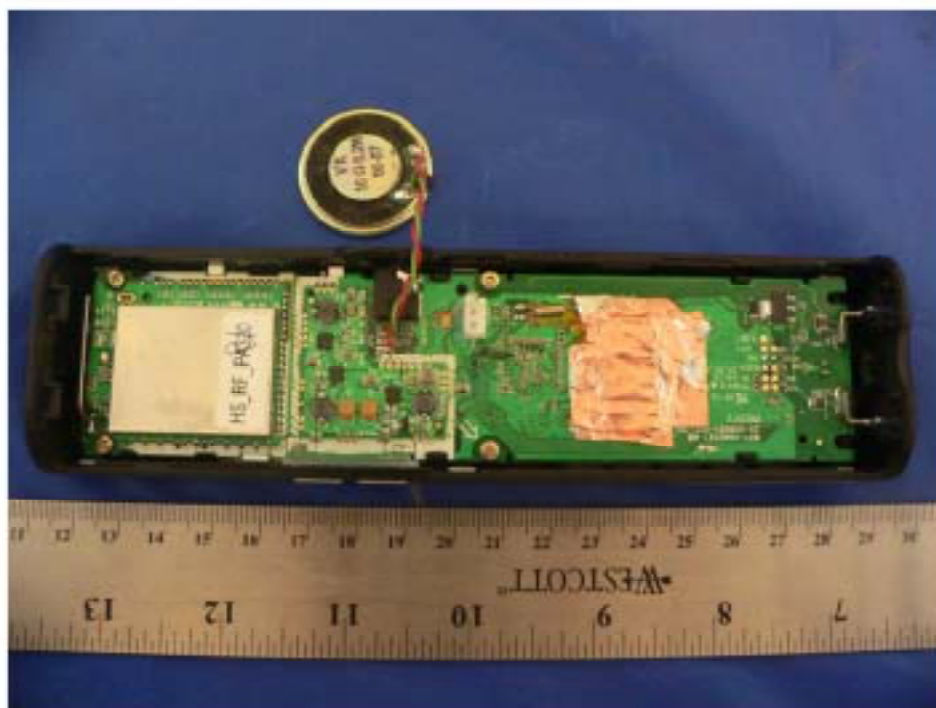
Handset Rear View



Handset Battery off View



Handset Cover off View



APPENDIX J - INFORMATIVE REFERENCES

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