Date/Time: 1/12/2006 7:17:11 PM

Test Laboratory: Bay Area Compliance Lab Corp.
      060111-Spectralink-602X-Body(800mAH) PTH200
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 914.737$ MHz; $\sigma = 1.04$ mho/m; $\varepsilon_r = 55.2$; $\rho = 1000$ kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (PTH200)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
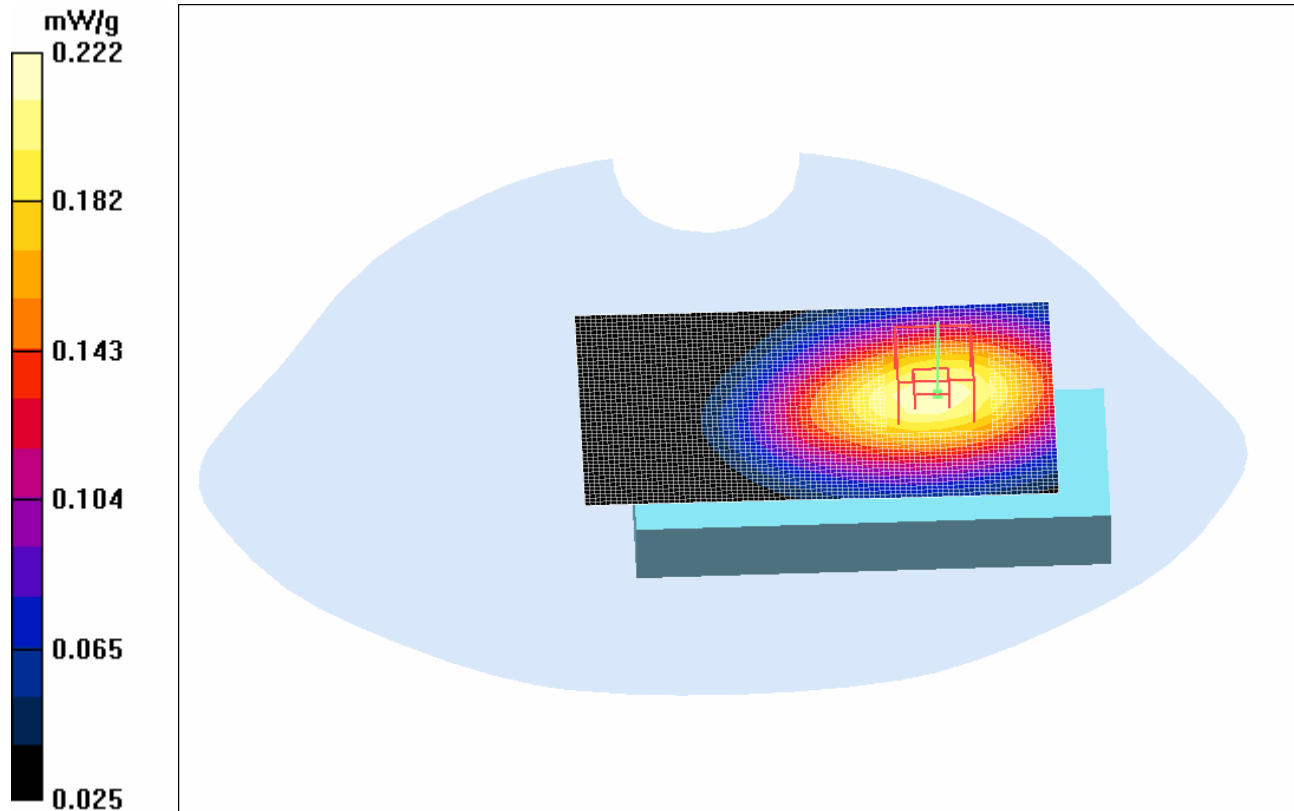Maximum value of SAR (interpolated) = 0.223 mW/g

1.5cm Body position (PTH200)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.32 V/m; Power Drift = 0.087 dB
Peak SAR (extrapolated) = 0.270 W/kg
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.150 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.222 mW/g

Plot #5

Date/Time: 1/11/2006 7:17:22 PM

Test Laboratory: Bay Area Compliance Lab Corp.
        060111-Spectralink-602X_Left Head(800mAH) TOUCH
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Touch position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
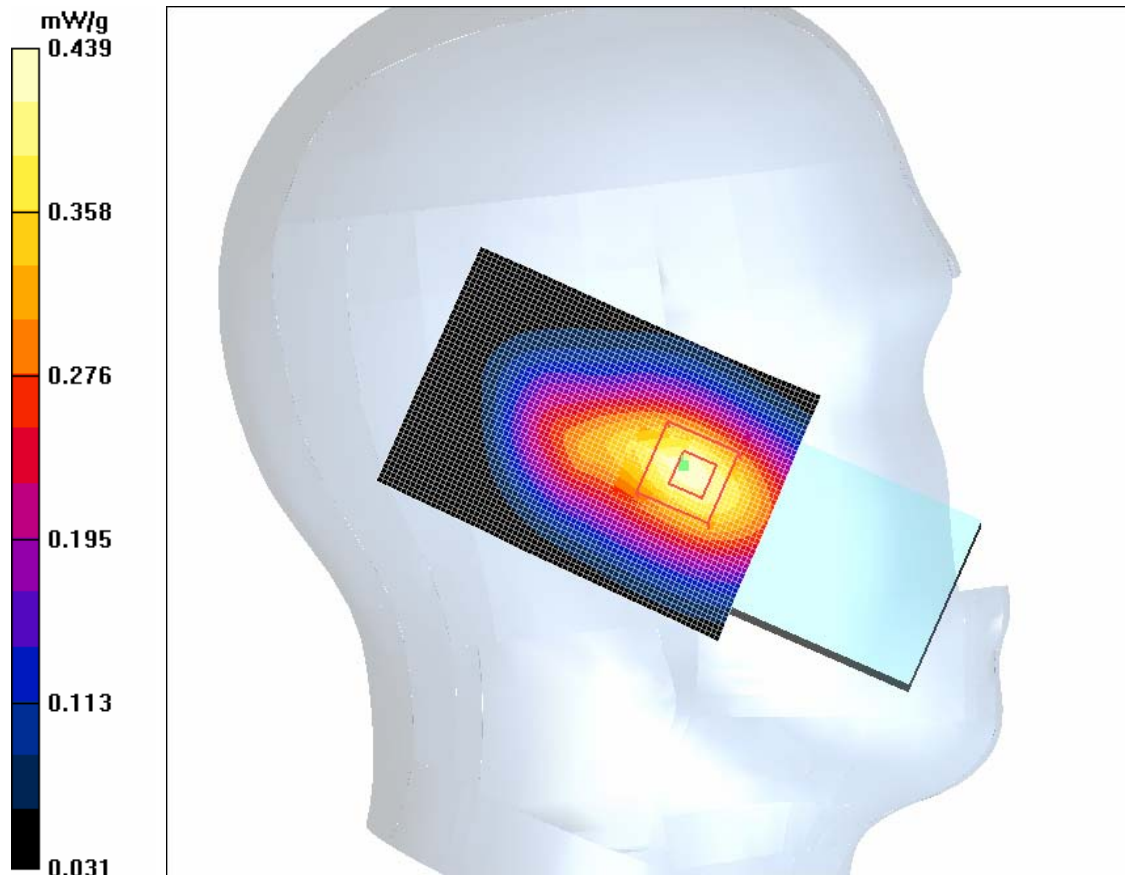Maximum value of SAR (interpolated) = 0.435 mW/g

Touch position - Middle/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = -0.080 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.279 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.439 mW/g

Plot #6

Date/Time: 1/11/2006 7:32:13 PM

Test Laboratory: Bay Area Compliance Lab Corp.
   060111-Spectralink-602X_Left Head(800mAH) TILT
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ϵ_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
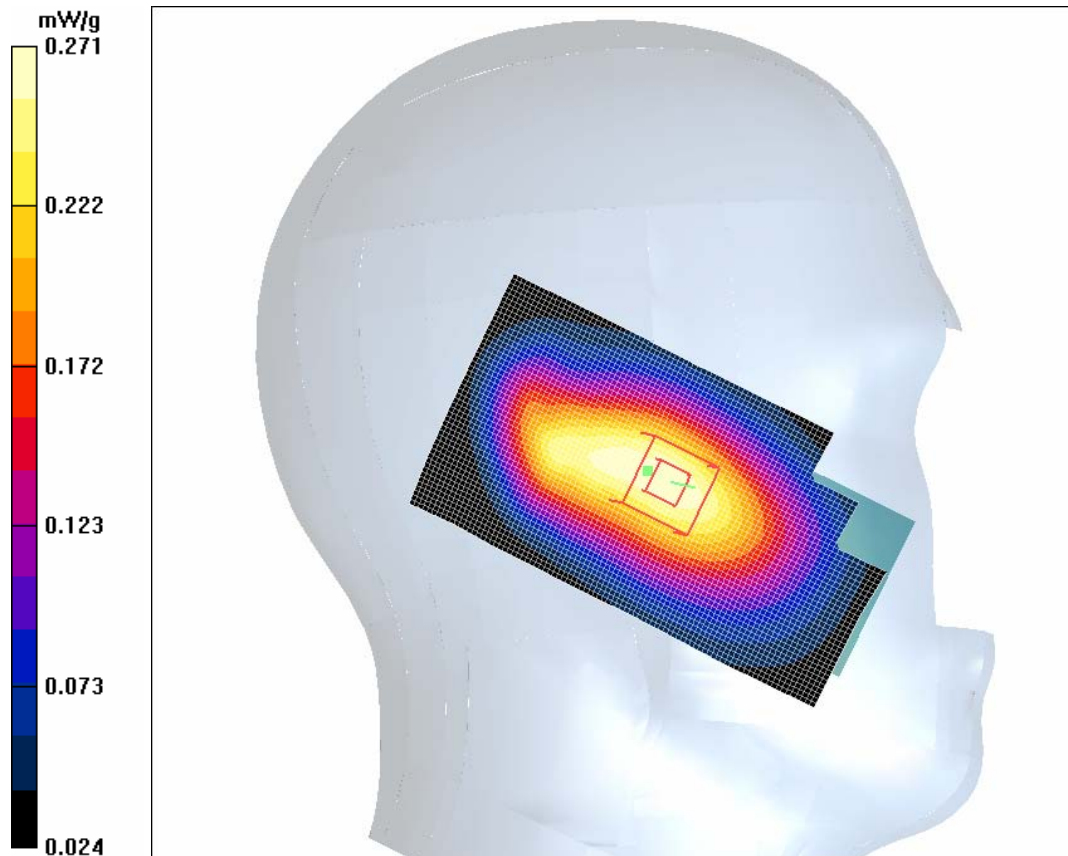Maximum value of SAR (interpolated) = 0.273 mW/g

Tilt position - Middle/Zoom Scan 1 (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.8 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.337 W/kg
SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.184 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.271 mW/g

Plot #7

Date/Time: 1/11/2006 12:02:05 PM

Test Laboratory: Bay Area Compliance Lab Corp.
060111-Spectralink-602X-Right Head(800mAH) TOUCH
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m³
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Touch position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.445 mW/g

Touch position - Middle/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Info: Interpolated medium parameters used for SAR evaluation.
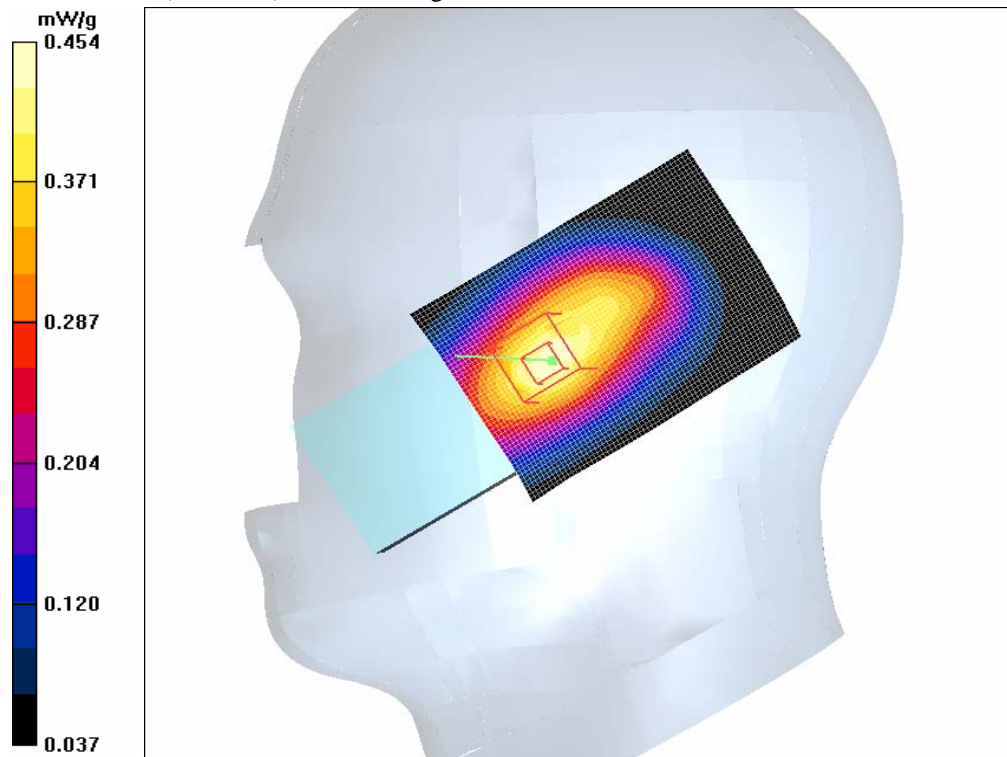Maximum value of SAR (interpolated) = 0.314 mW/g

Touch position - Middle/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.581 W/kg
SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.293 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.454 mW/g

Plot #8

Date/Time: 1/11/2006 1:01:40 PM

Test Laboratory: Bay Area Compliance Lab Corp.
    060111-Spectralink-602X-Right Head(800mAH) tilt
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
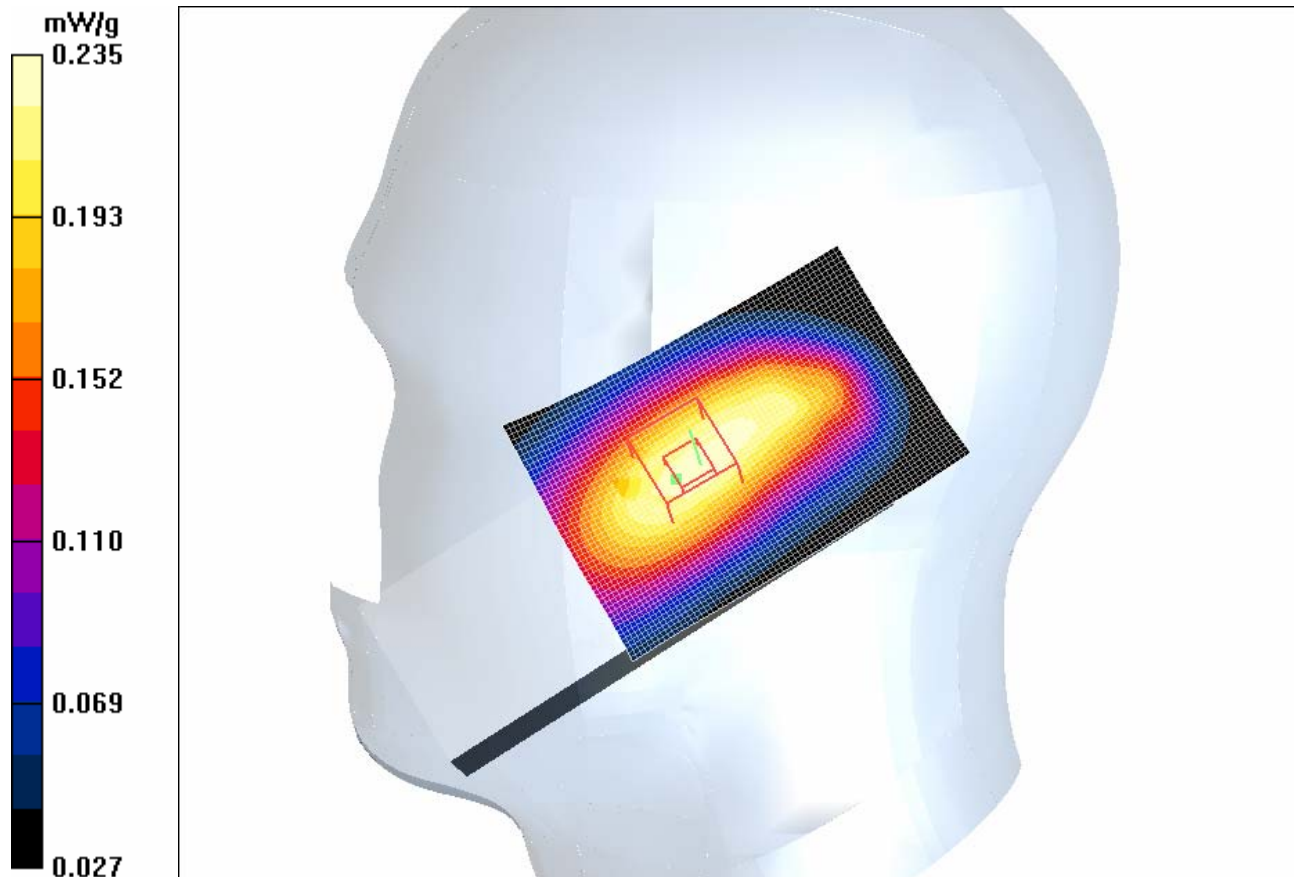Maximum value of SAR (interpolated) = 0.235 mW/g

Tilt position - Middle/Zoom Scan 1 (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.2 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 0.284 W/kg
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.161 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.235 mW/g

Plot #9

1100mAH Battery

Date/Time: 1/12/2006 6:01:47 PM

Test Laboratory: Bay Area Compliance Lab Corp.
     060111-Spectralink-602X-Body(1100mAH) H81N-A
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; $ε_r$ = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (H81N/A)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
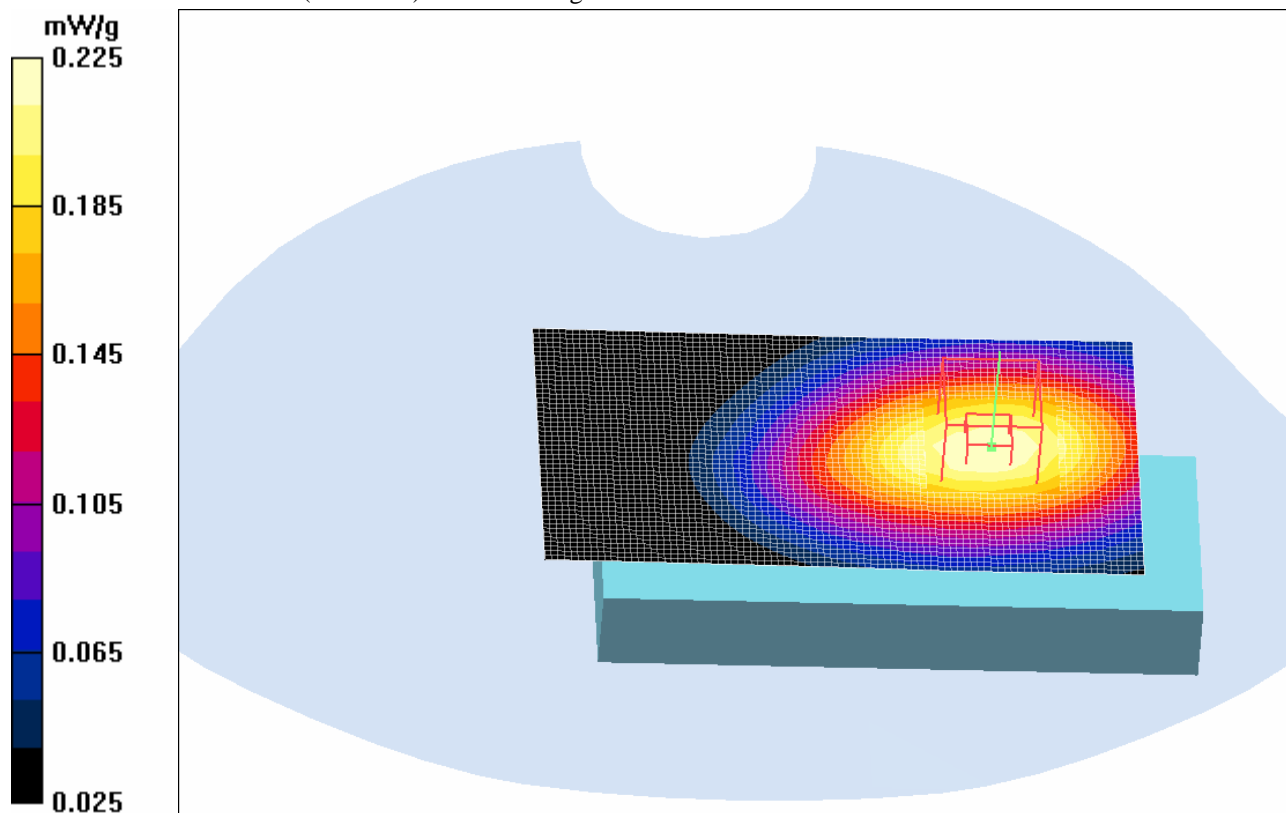Maximum value of SAR (interpolated) = 0.227 mW/g

1.5cm Body position (H81N/A)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.41 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.154 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.225 mW/g

Plot #10

Date/Time: 1/12/2006 5:28:23 PM

Test Laboratory: Bay Area Compliance Lab Corp.
   060111-Spectralink-602X-Body(1100mAH) H251N
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (H251N)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
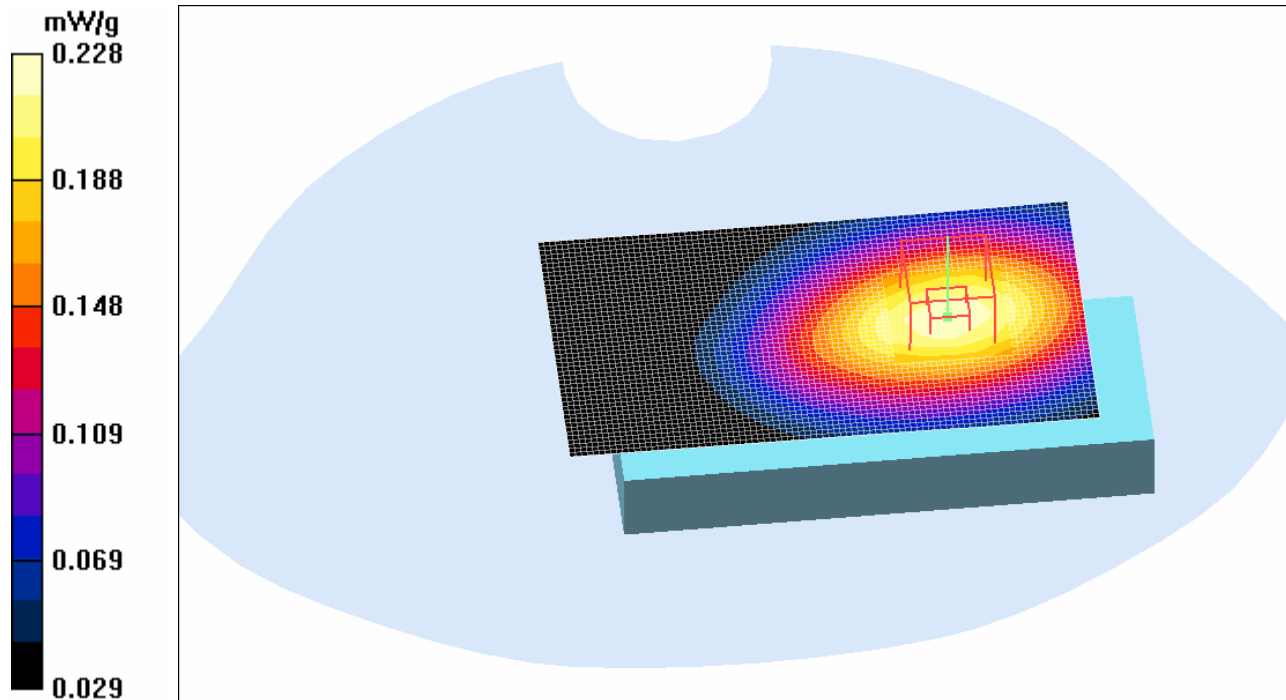Maximum value of SAR (interpolated) = 0.230 mW/g

1.5cm Body position (H251N)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.41 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.154 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.228 mW/g

Plot #11

Date/Time: 1/12/2006 5:40:45 PM

Test Laboratory: Bay Area Compliance Lab Corp.
        060111-Spectralink-602X-Body(1100mAH) H251N-A
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (H251N/A)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.228 mW/g

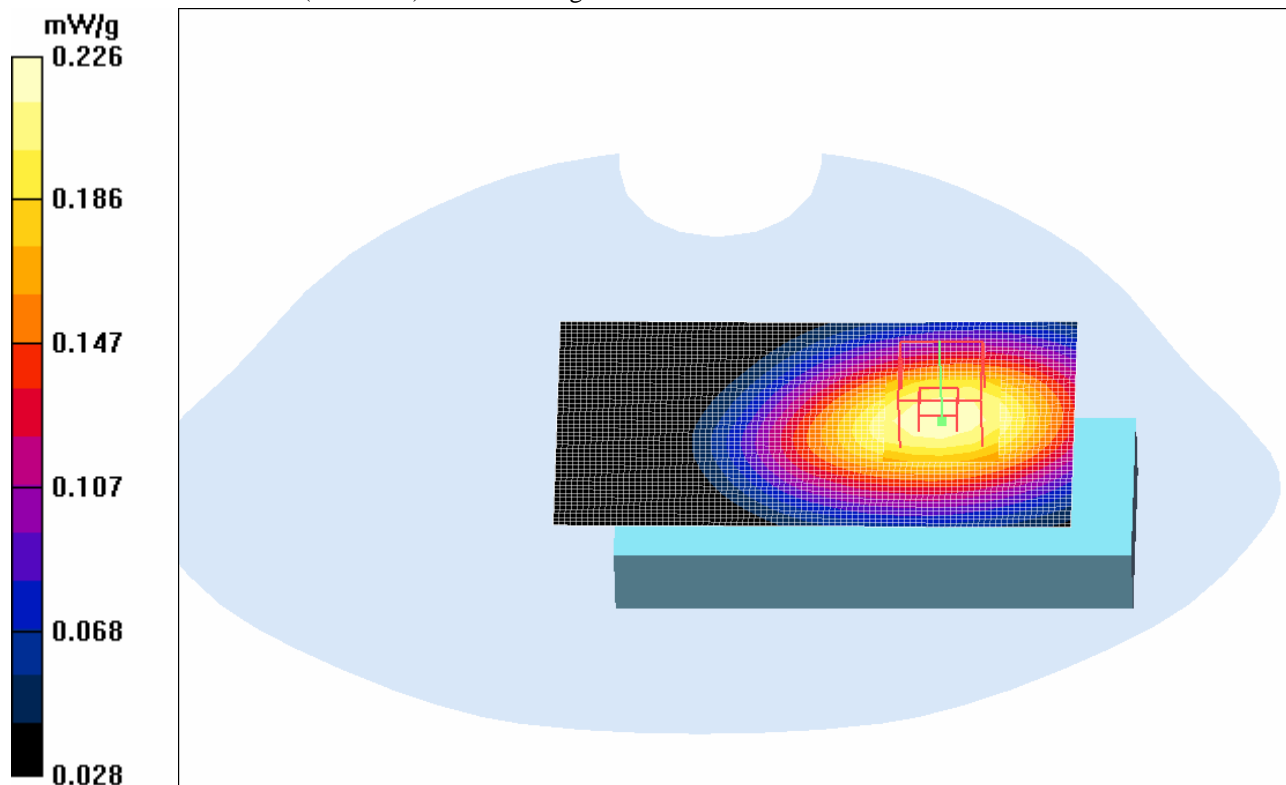**1.5cm Body position (H251N/A)/Zoom Scan (5mmx5mmx5mm):** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.34 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 0.273 W/kg
SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.154 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.226 mW/g

Plot #12

Date/Time: 1/12/2006 5:03:53 PM

Test Laboratory: Bay Area Compliance Lab Corp.
   060111-Spectralink-602X-Body(1100mAH) PTH100
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position(PTH100)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
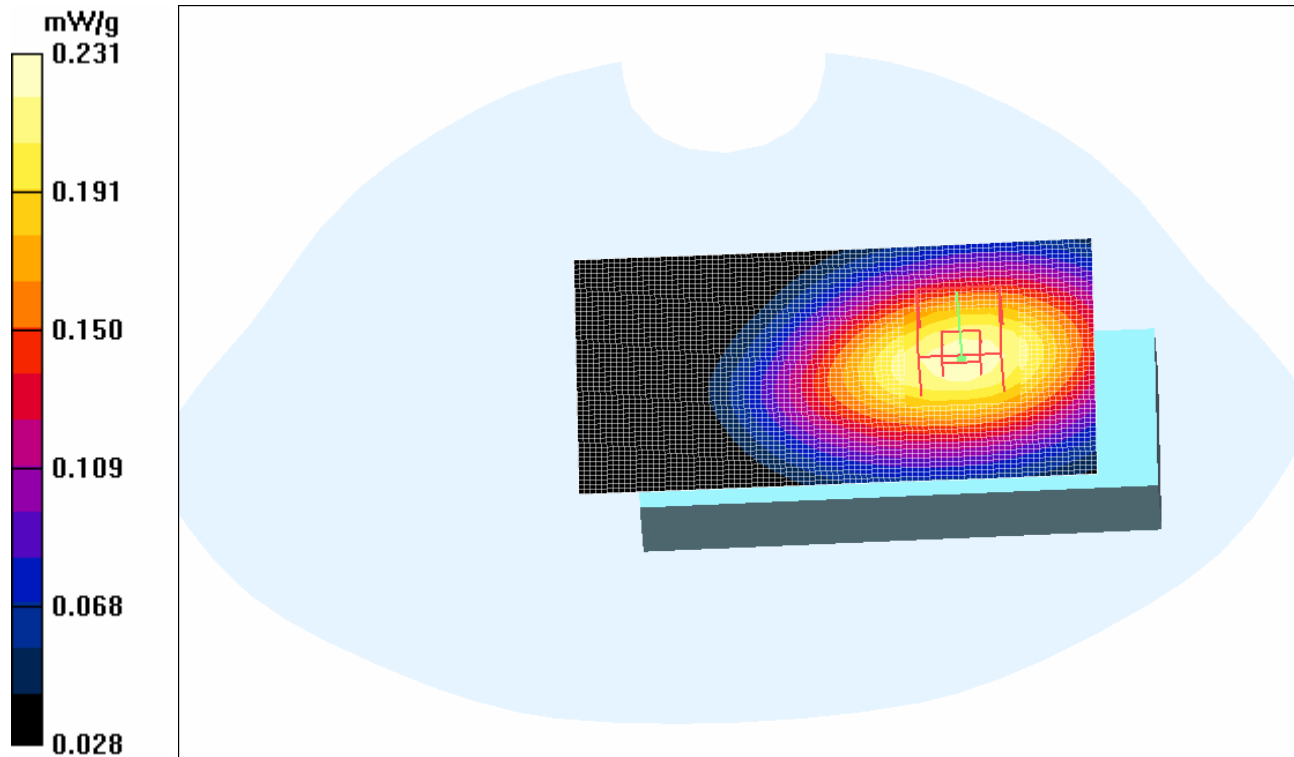Maximum value of SAR (interpolated) = 0.233 mW/g

1.5cm Body position(PTH100)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.45 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.284 W/kg
SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.156 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.231 mW/g

Plot #13

Date/Time: 1/12/2006 5:16:05 PM

Test Laboratory: Bay Area Compliance Lab Corp.
     060111-Spectralink-602X-Body(1100mAH) PTH200
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (PTH200)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
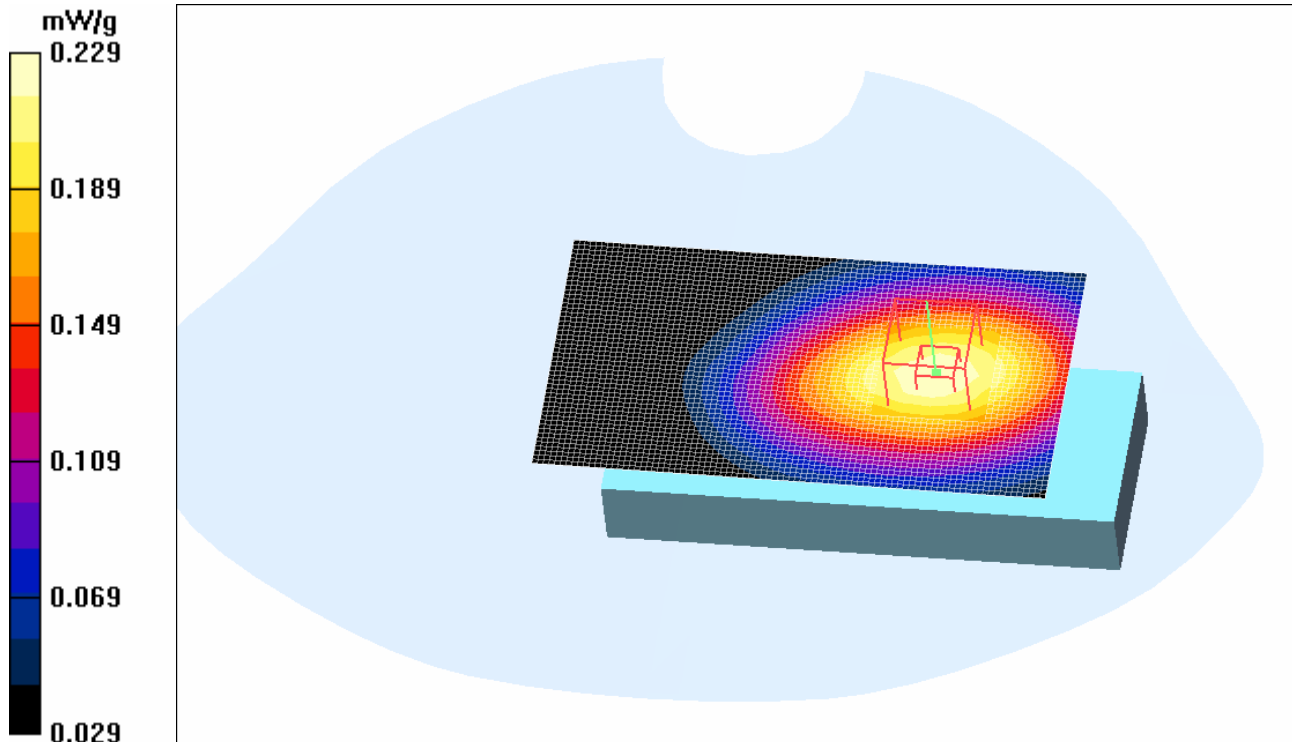Maximum value of SAR (interpolated) = 0.232 mW/g

1.5cm Body position (PTH200)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.42 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.155 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.229 mW/g

Plot #14

Date/Time: 1/11/2006 6:56:26 PM

Test Laboratory: Bay Area Compliance Lab Corp.
    060111-Spectralink-602X_Left Head(1100mAH) touch
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Touch position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
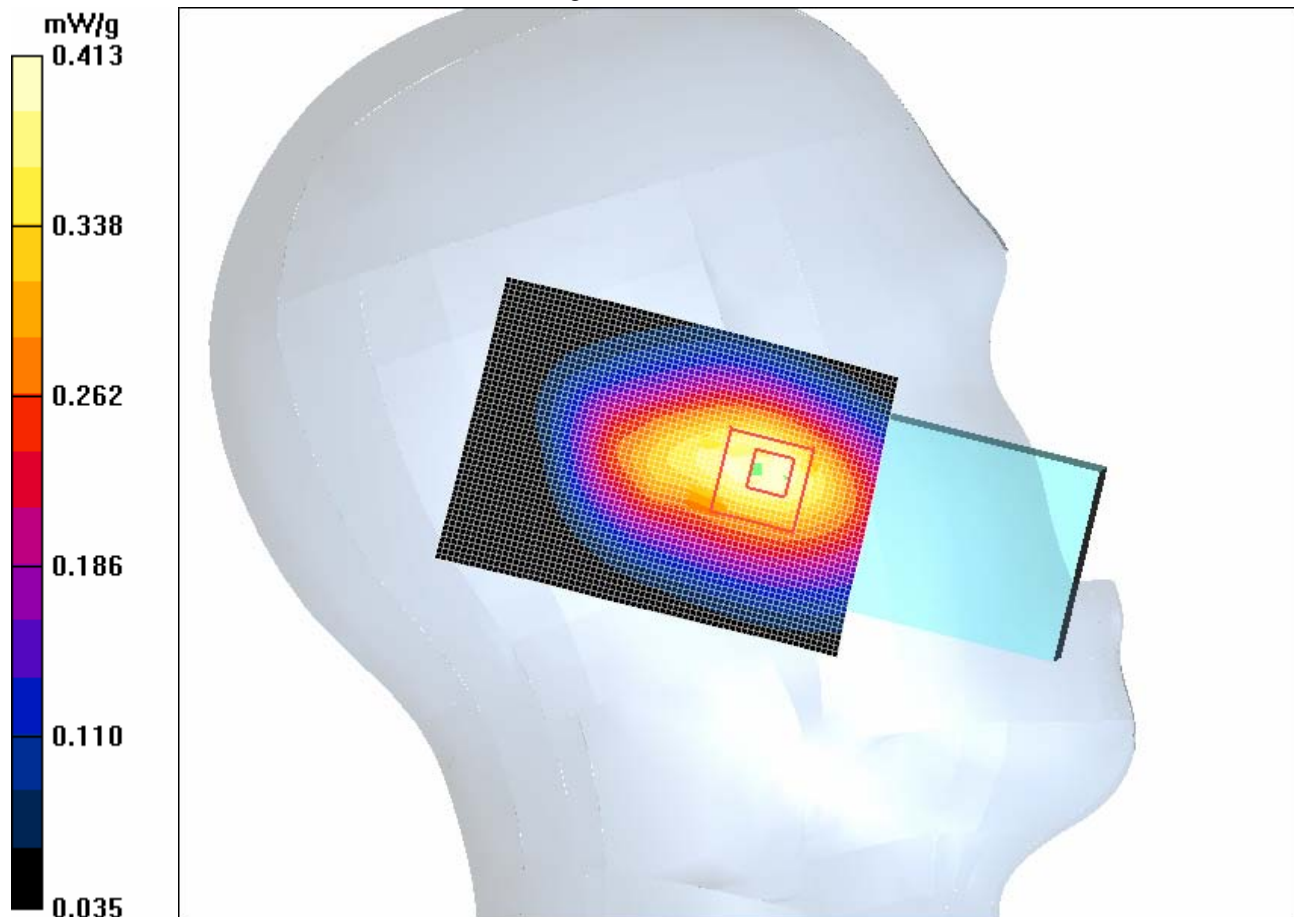Maximum value of SAR (interpolated) = 0.421 mW/g

Touch position - Middle/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.268 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.413 mW/g

Plot #15

Date/Time: 1/11/2006 6:41:59 PM

Test Laboratory: Bay Area Compliance Lab Corp.
   060111-Spectralink-602X_Left Head(1100mAH) TILT
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
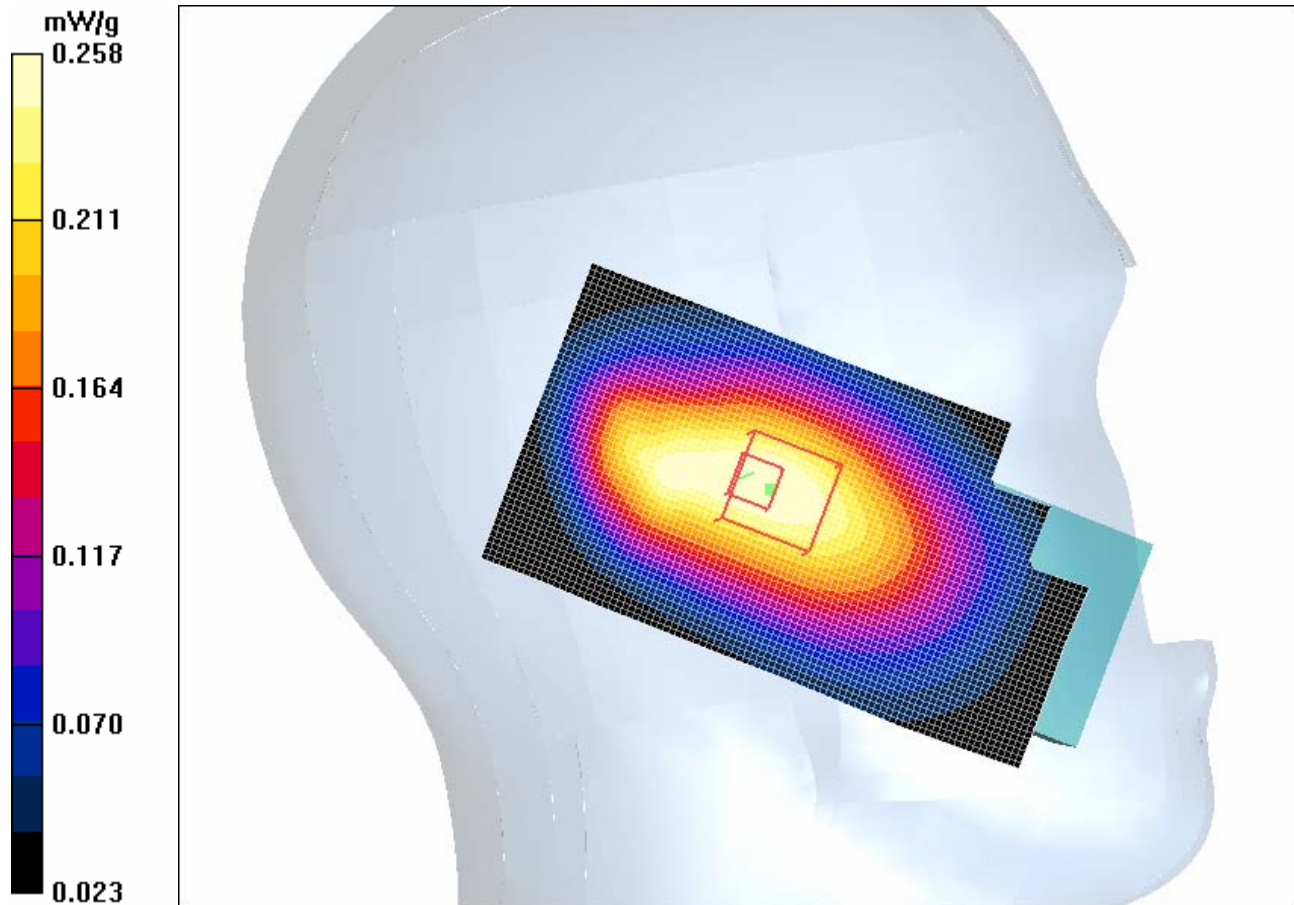Maximum value of SAR (interpolated) = 0.264 mW/g

Tilt position - Middle/Zoom Scan 1 (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.2 V/m; Power Drift = -0.084 dB
Peak SAR (extrapolated) = 0.306 W/kg
SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.175 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.258 mW/g

Plot #16

Date/Time: 1/11/2006 1:48:40 PM

Test Laboratory: Bay Area Compliance Lab Corp.
   060111-Spectralink-602X-Right Head(1100mAH) TOUCH
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Touch position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
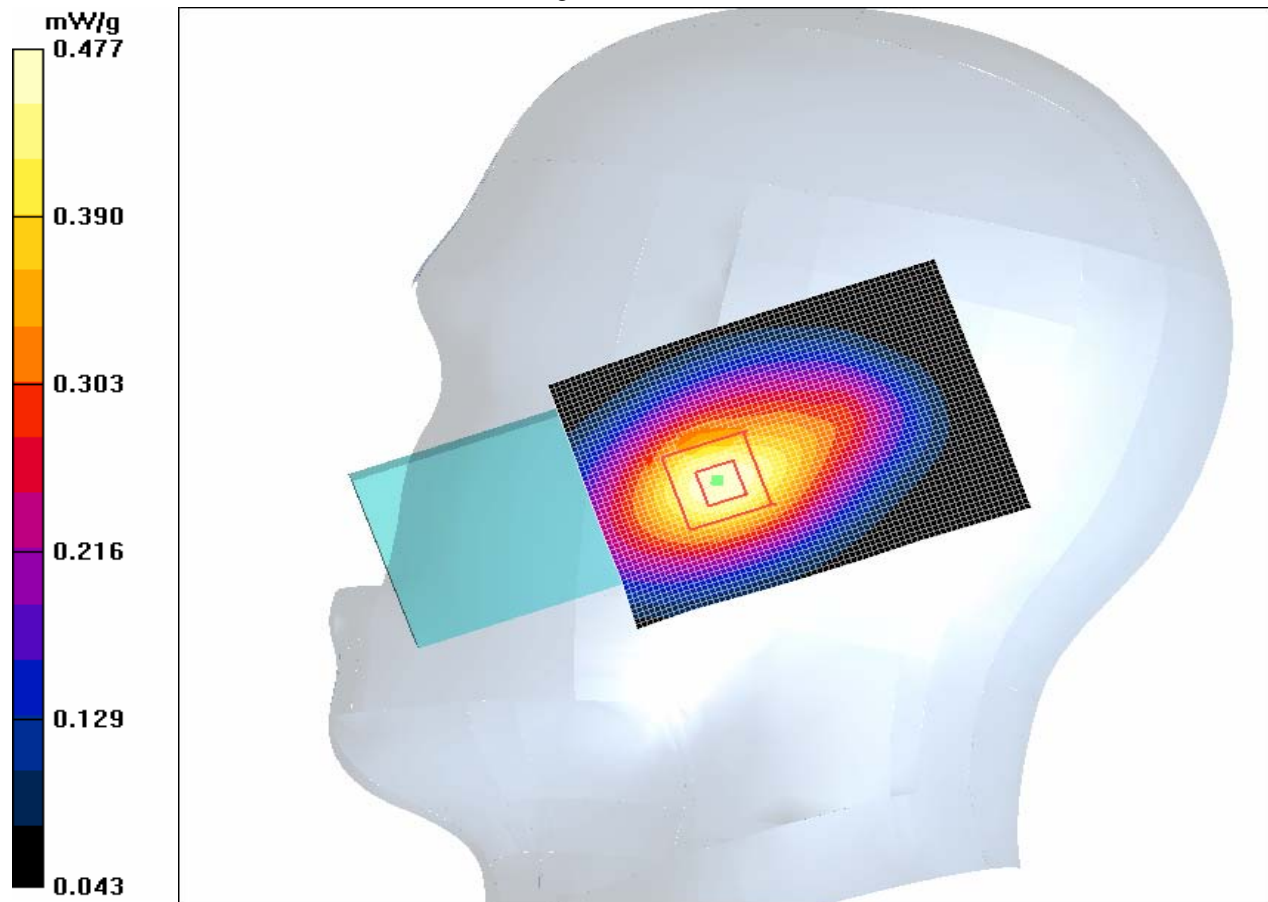Maximum value of SAR (interpolated) = 0.479 mW/g

Touch position - Middle/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.0 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 0.611 W/kg
SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.303 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.477 mW/g

Plot #17

Date/Time: 1/11/2006 1:34:09 PM

Test Laboratory: Bay Area Compliance Lab Corp.
060111-Spectralink-602X-Right Head(1100mAH) TILT
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
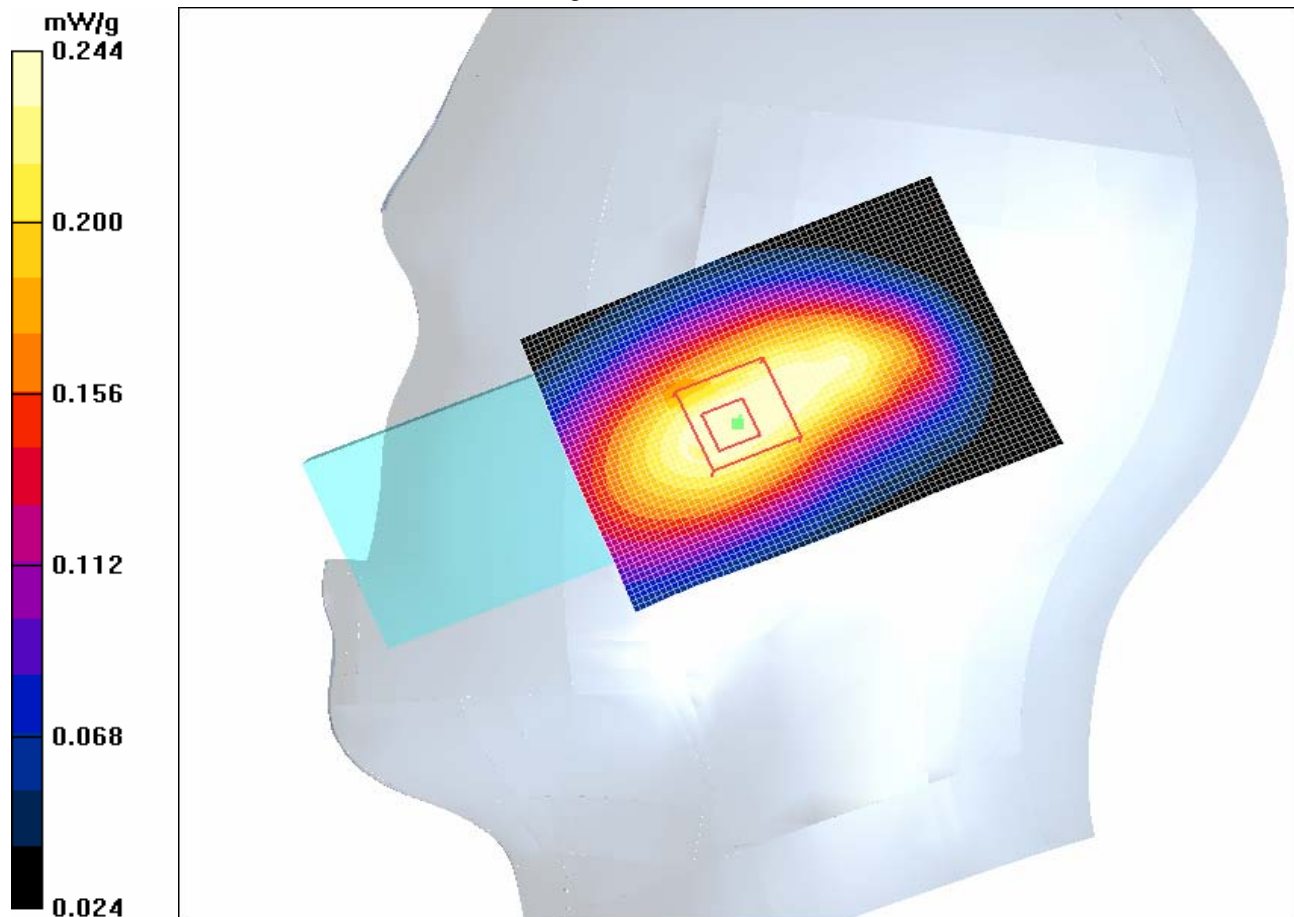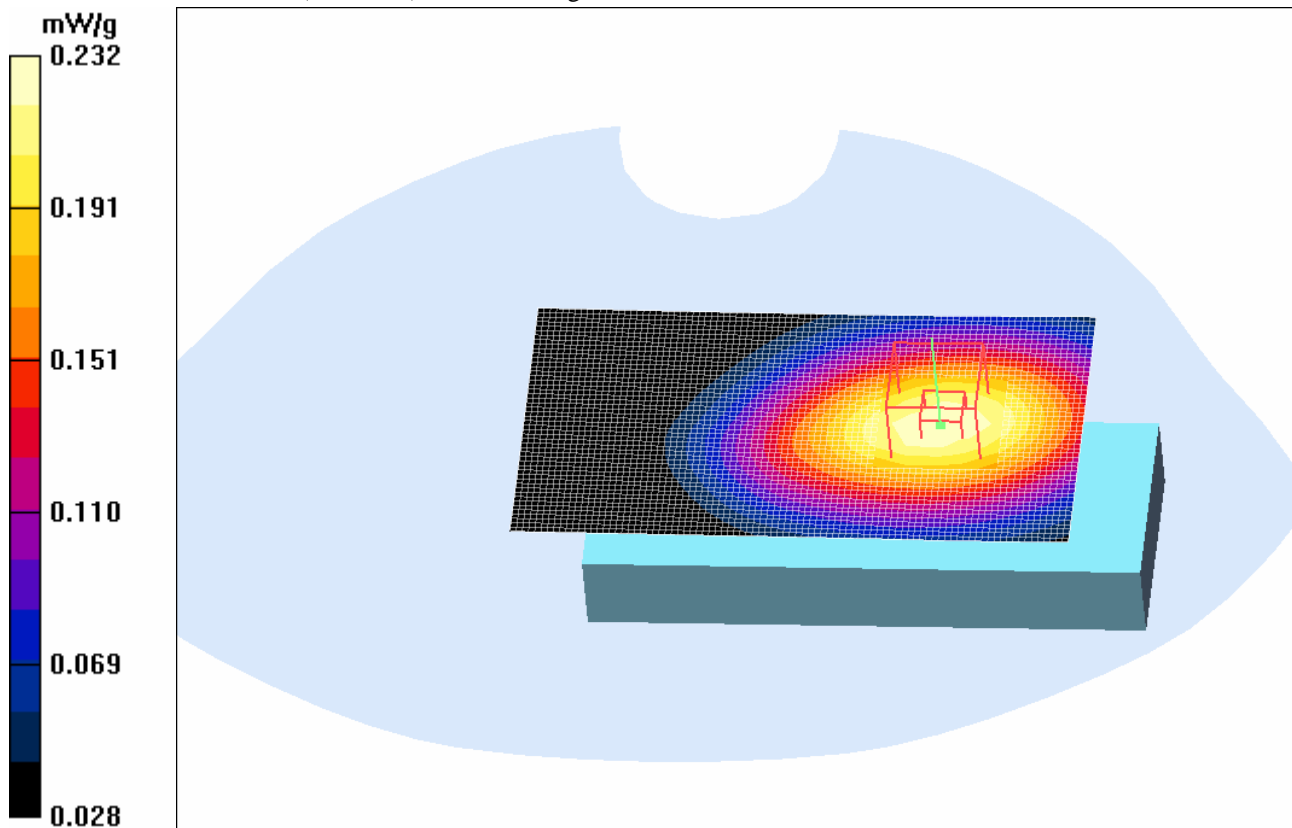Maximum value of SAR (interpolated) = 0.248 mW/g

Tilt position - Middle/Zoom Scan 1 (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.9 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.300 W/kg
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.167 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.244 mW/g

Plot #18

1600mAH Battery

Date/Time: 1/12/2006 4:43:01 PM

Test Laboratory: Bay Area Compliance Lab Corp.
    060111-Spectralink-602X-Body(1600mAH) H81N-A
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (H81N/A)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
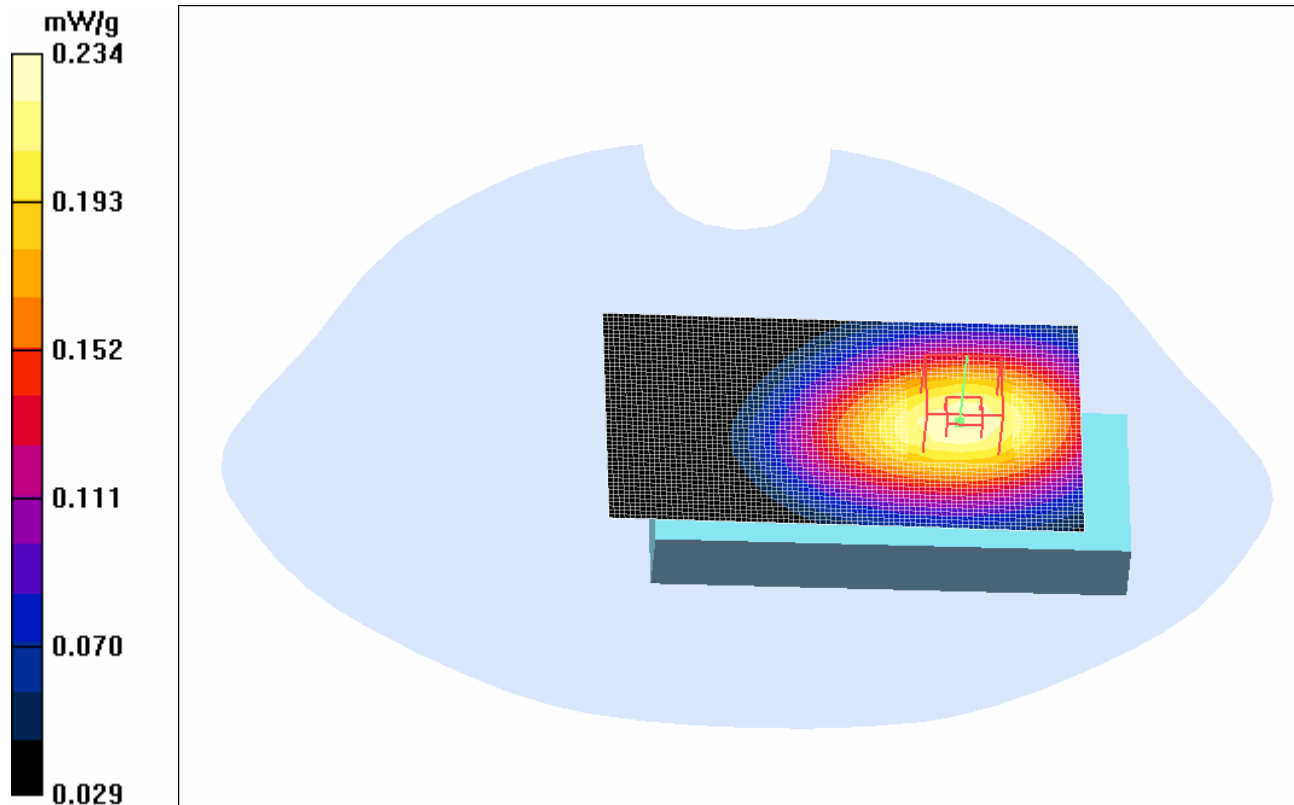Maximum value of SAR (interpolated) = 0.235 mW/g

1.5cm Body position (H81N/A)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.45 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 0.282 W/kg
SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.157 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.232 mW/g

Plot #19

Date/Time: 1/12/2006 4:17:47 PM

Test Laboratory: Bay Area Compliance Lab Corp.
    060111-Spectralink-602X-Body(1600mAH) H251N
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (H251N)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
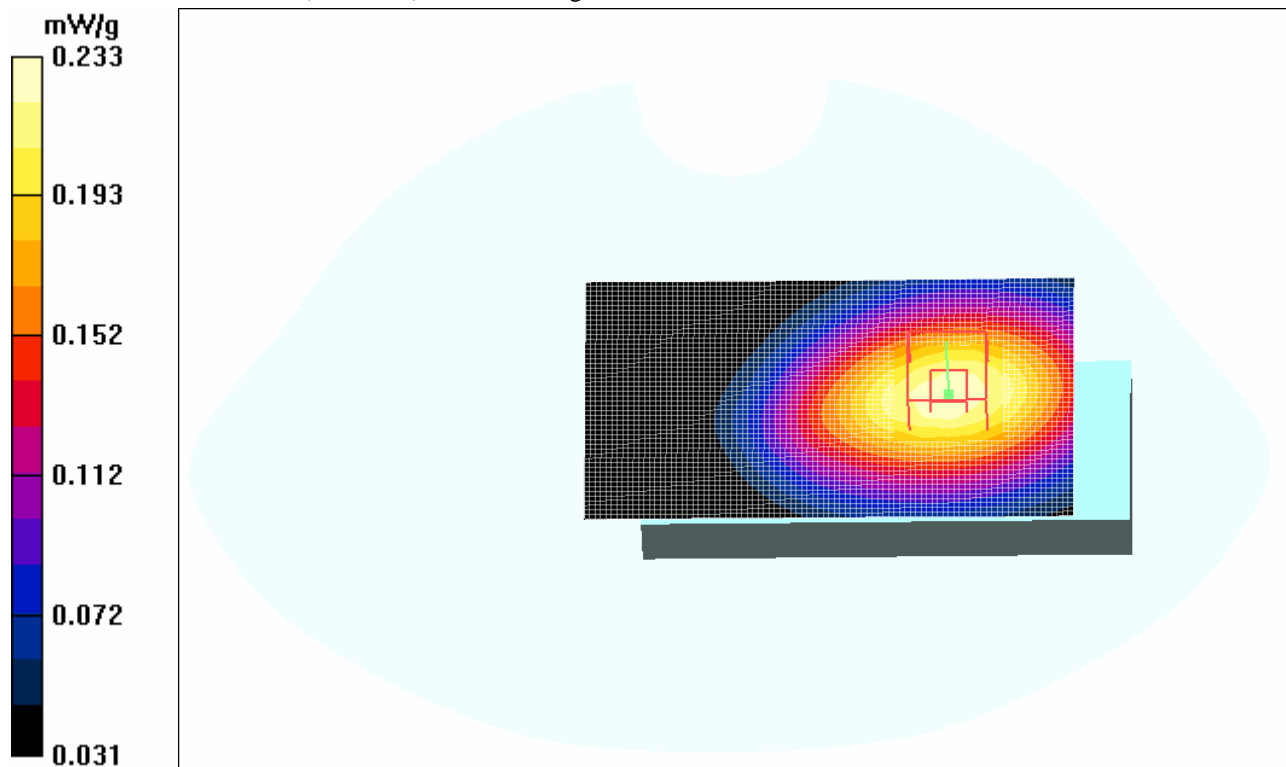Maximum value of SAR (interpolated) = 0.238 mW/g

1.5cm Body position (H251N)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.49 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 0.282 W/kg
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.159 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.234 mW/g

Plot #20

Date/Time: 1/12/2006 4:30:52 PM

Test Laboratory: Bay Area Compliance Lab Corp.
060111-Spectralink-602X-Body(1600mAH) H251N-A
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (H251N/A)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
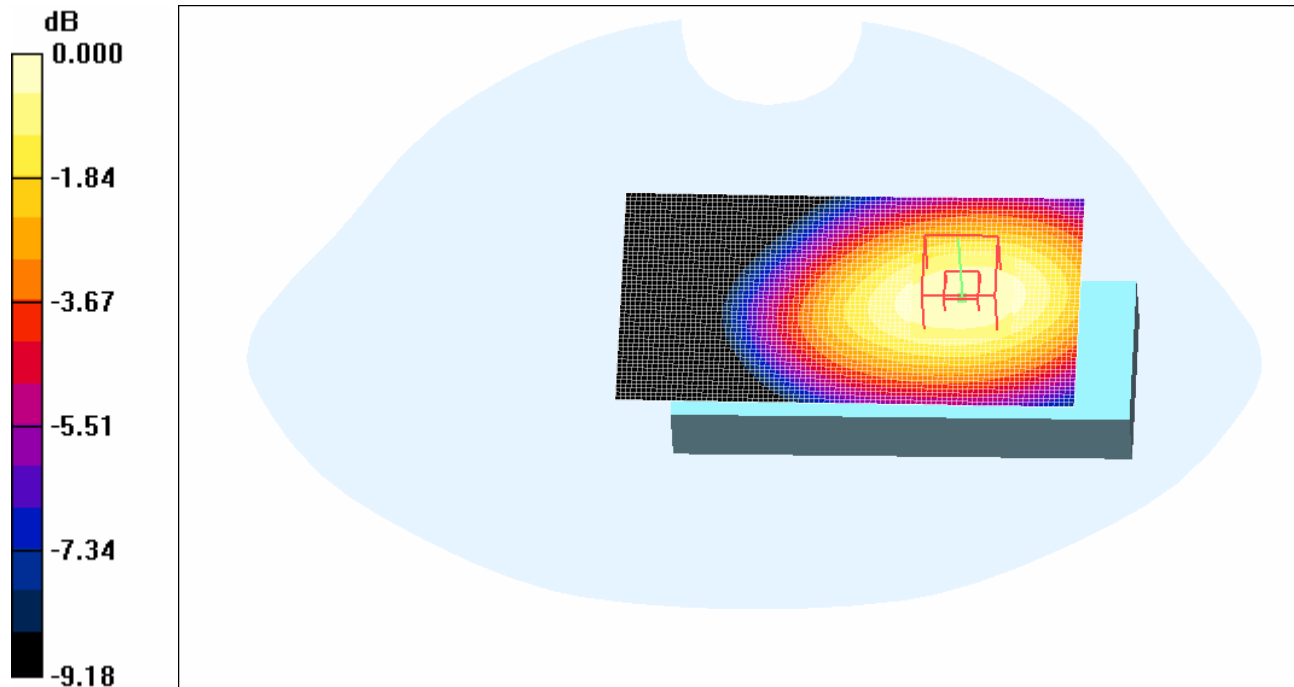Maximum value of SAR (interpolated) = 0.235 mW/g

1.5cm Body position (H251N/A)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.53 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.278 W/kg
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.158 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.233 mW/g

Plot #21

Date/Time: 1/12/2006 3:43:37 PM

Test Laboratory: Bay Area Compliance Lab Corp.
060111-Spectralink-602X-Body(1600mAH) PTH100
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position(PTH100)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
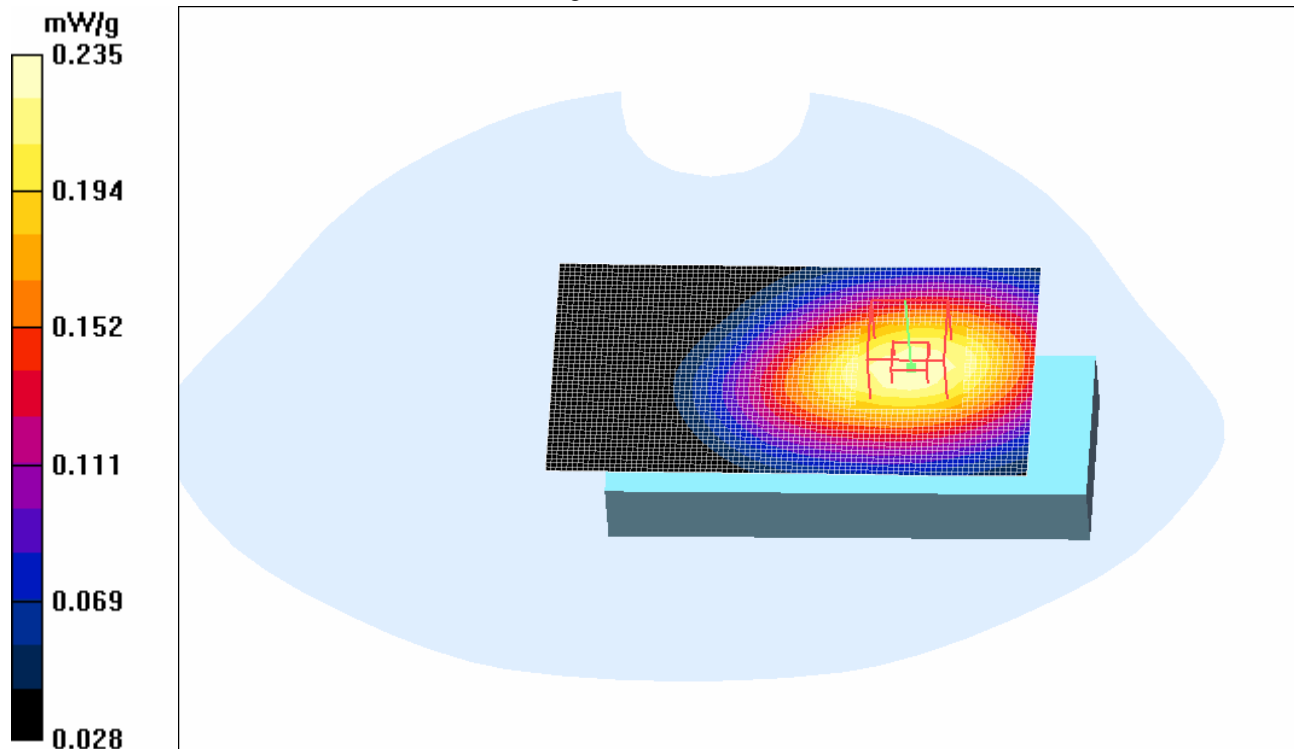Maximum value of SAR (interpolated) = 0.239 mW/g

1.5cm Body position(PTH100)/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.55 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.285 W/kg
SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.160 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.237 mW/g

0 dB = 0.237mW/g

Plot #22

Date/Time: 1/12/2006 3:55:39 PM

Test Laboratory: Bay Area Compliance Lab Corp.
        060111-Spectralink-602X-Body(1600mAH) PTH200
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 1.04 mho/m; ε_r = 55.2; ρ = 1000 kg/m³
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.27, 6.27, 6.27); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1.5cm Body position (PTH200)/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.238 mW/g

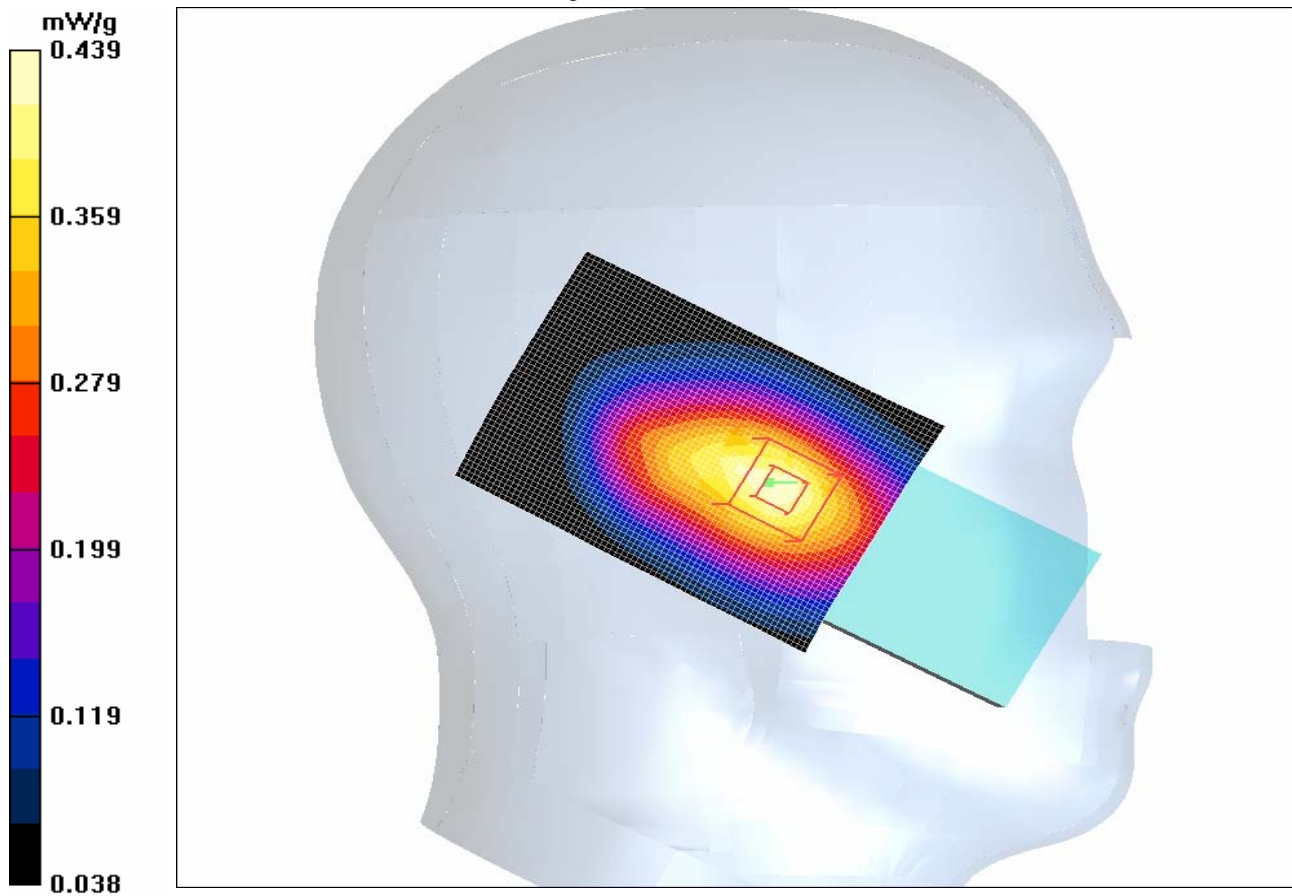**1.5cm Body position (PTH200)/Zoom Scan (5mmx5mmx5mm):** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.52 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 0.284 W/kg
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.160 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.235 mW/g

Plot #23

Date/Time: 1/11/2006 3:41:27 PM

Test Laboratory: Bay Area Compliance Lab Corp.
  060111-Spectralink-602X_Left Head(1600mAH) touch
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Touch position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
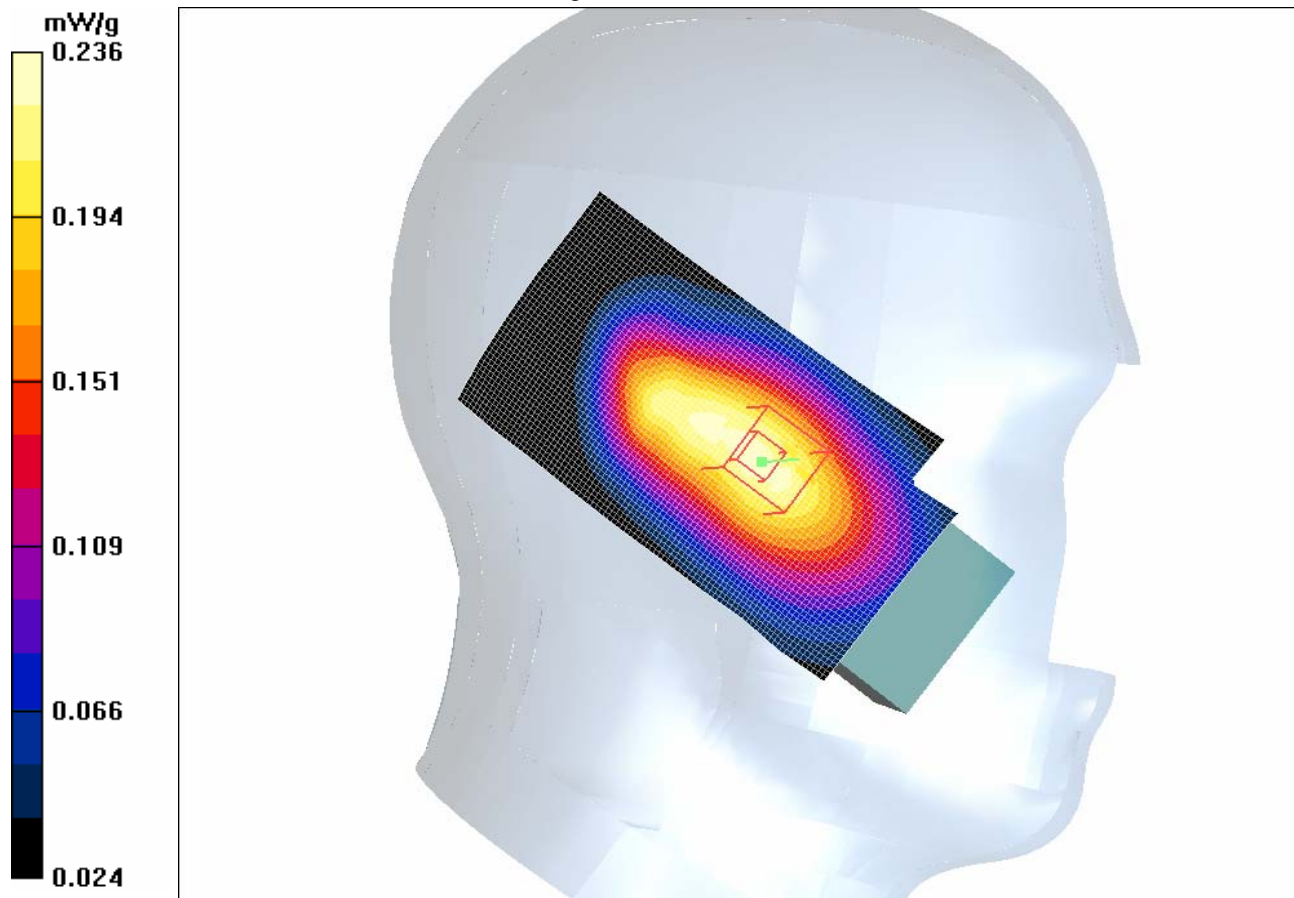Maximum value of SAR (interpolated) = 0.440 mW/g

Touch position - Middle/Zoom Scan (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.559 W/kg
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.285 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.439 mW/g

Plot #24

Date/Time: 1/11/2006 6:24:30 PM

Test Laboratory: Bay Area Compliance Lab Corp.
> **060111-Spectralink-602X_Left Head(1600mAH) tilt**

DUT: 602X; Type: Sample; Serial:

Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
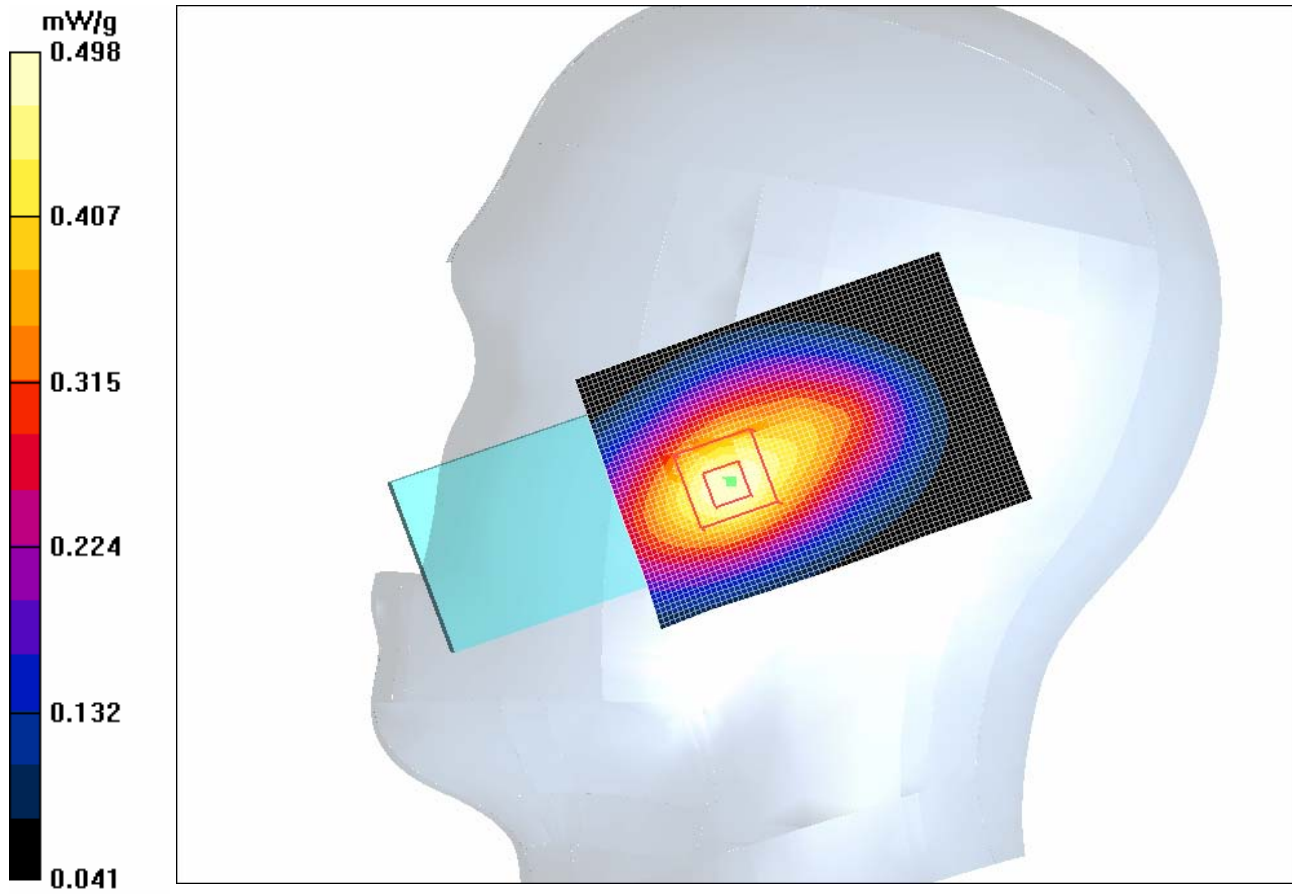Maximum value of SAR (interpolated) = 0.235 mW/g

Tilt position - Middle/Zoom Scan 1 (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.2 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.158 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.236 mW/g

Plot #25

Date/Time: 1/11/2006 2:14:40 PM

Test Laboratory: Bay Area Compliance Lab Corp.
     060111-Spectralink-602X-Right Head(1600mAH) touch
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Touch position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.508 mW/g

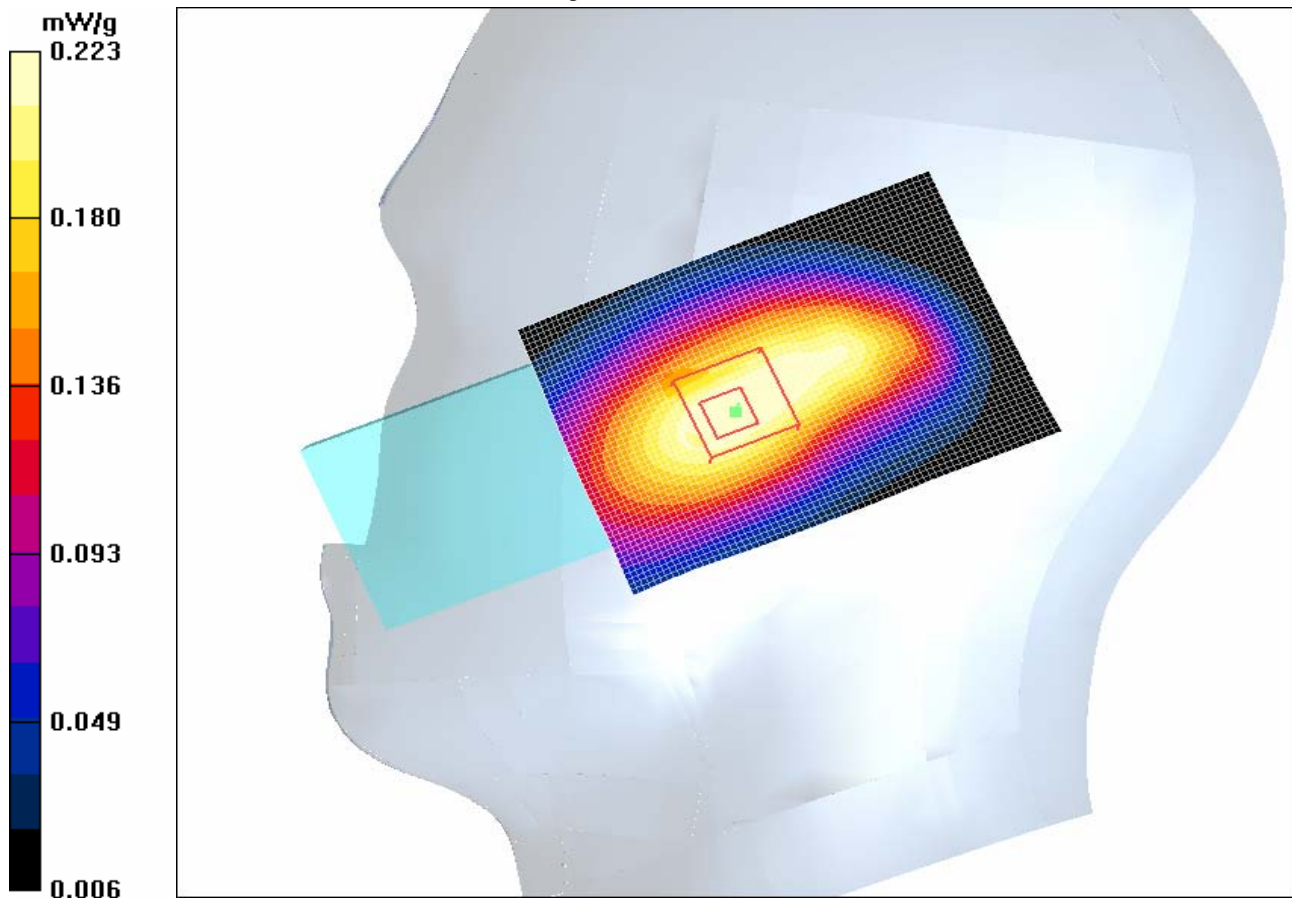**Touch position - Middle/Zoom Scan (5mmx5mmx5mm):** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.6 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.633 W/kg
SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.320 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.498 mW/g

Plot #26

Date/Time: 1/11/2006 2:43:35 PM

Test Laboratory: Bay Area Compliance Lab Corp.
    060111-Spectralink-602X-Right Head(1600mAH) tilt
DUT: 602X; Type: Sample; Serial:
Communication System: Spectralink 900MHz Hopping System; Frequency: 914.737 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 914.737 MHz; σ = 0.959 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(6.62, 6.62, 6.62); Calibrated: 3/18/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 6/1/2004
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.225 mW/g

Tilt position - Middle/Zoom Scan 1 (5mmx5mmx5mm): Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.7 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 0.294 W/kg
SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.138 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.223 mW/g

Plot #27

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.
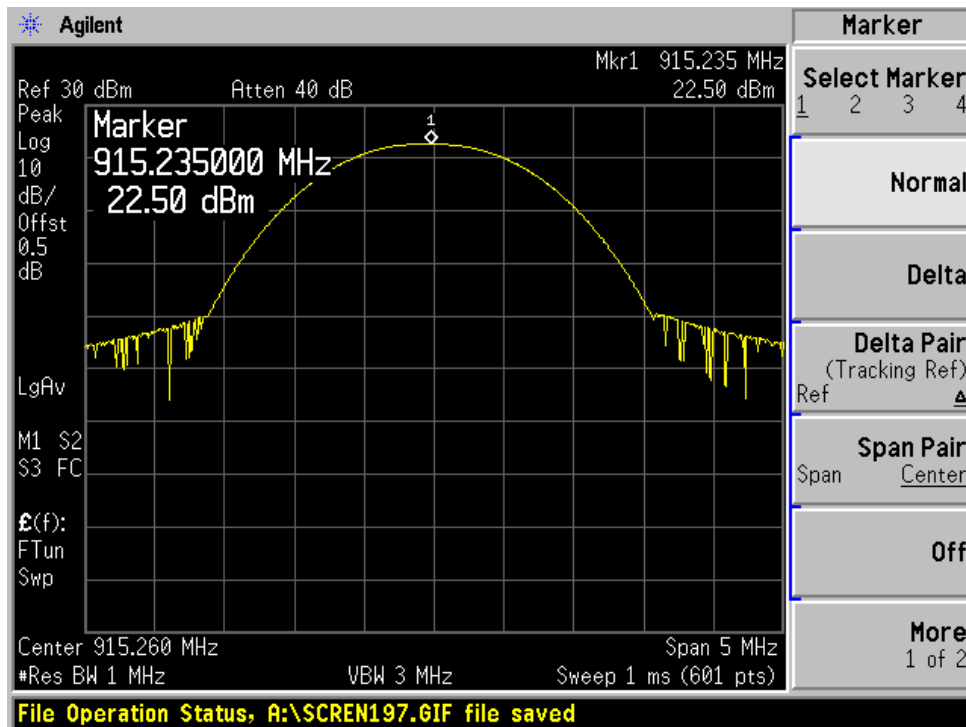
Test equipment

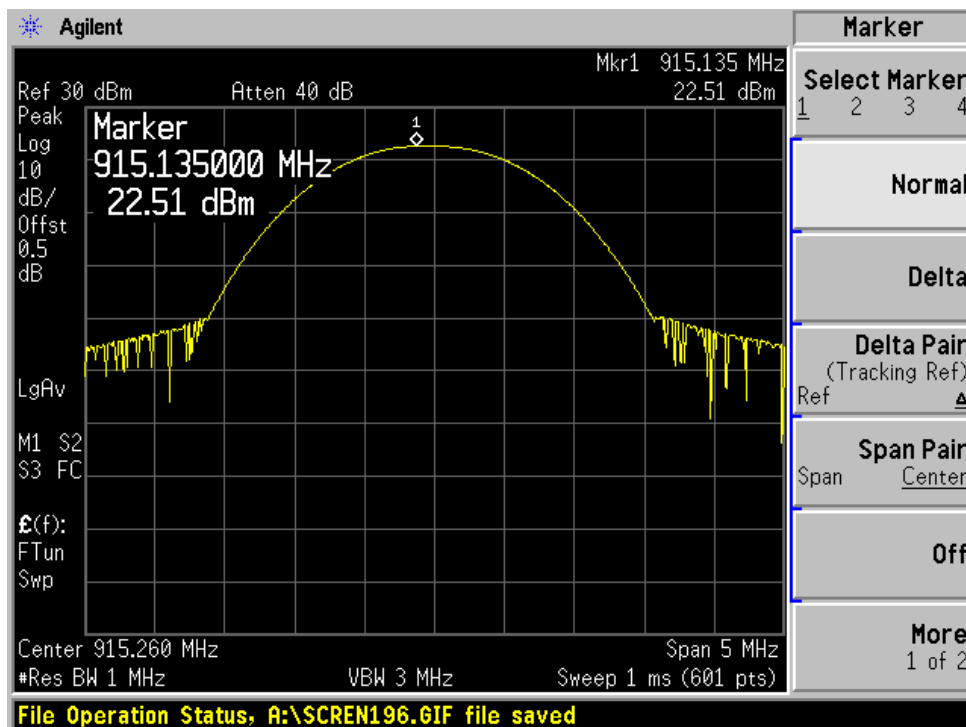Agilent PSA E4446A Spectrum Analyzer, Calibration Due Date: 2005-11-10.

Test Results

Frequency (MHz)	Output Power in dBm	Output Power in W
900 (800mAH)	22.50	0.1778
900 (1100mAH)	22.51	0.1782
900 (1600mAH)	22.52	0.1786

Please refer to the following plots.

800mAH Battery

1100mAH Battery

1600mAH Battery

APPENDIX G – EUT TEST POSITION PHOTOS

Body – H81N-A (800mAH)

Body – H251N (800mAH)

Body – H251N-A (800mAH)

Body – PTH100 (800mAH)
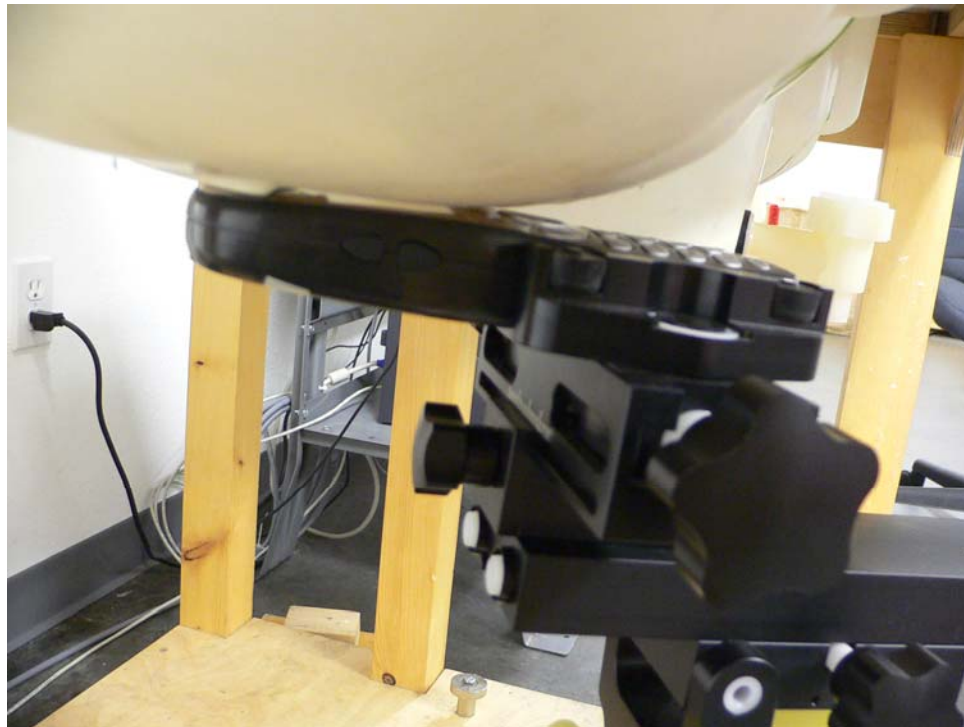
Body – PTH200 (800mAH)

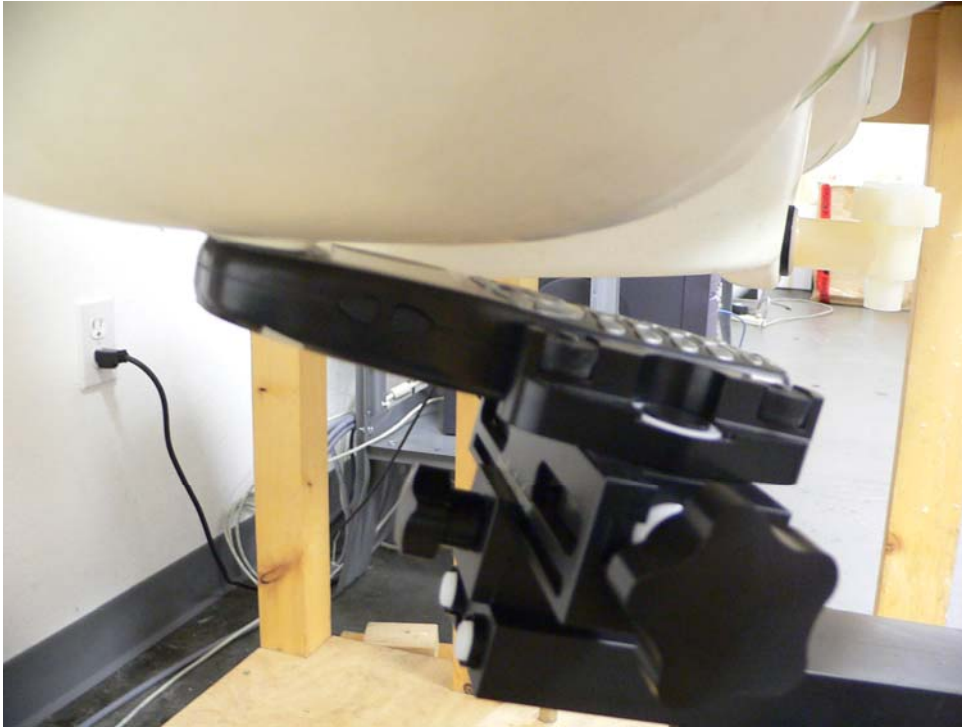**Left Head Touch (800mAH)**

Left Head Tilt (800mAH)

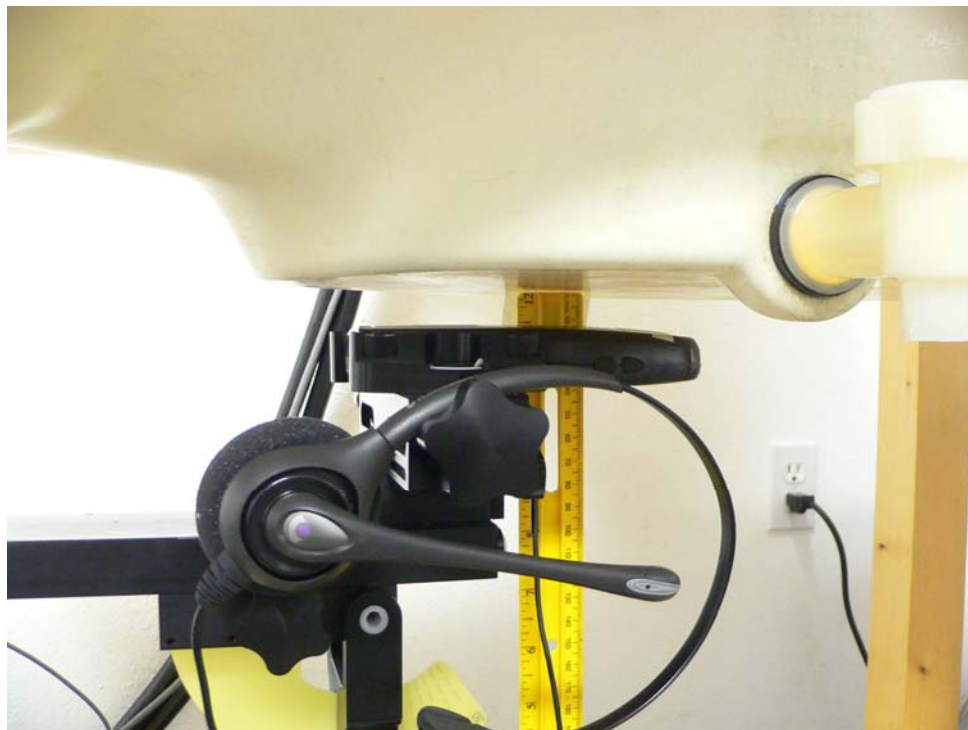**Right Head Touch (800mAH)**

Right Head Tilt (800mAH)

Body – H81N-A (1100mAH)

Body – H251N (1100mAH)

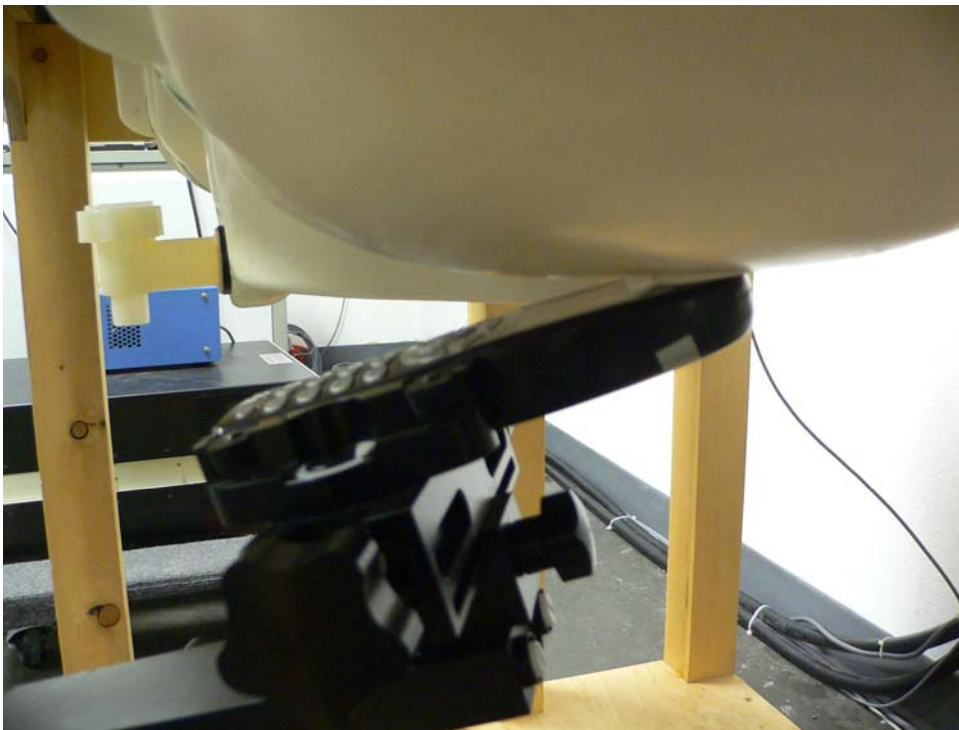**Body – H251N-A (1100mAH)**

Body – PTH100 (1100mAH)
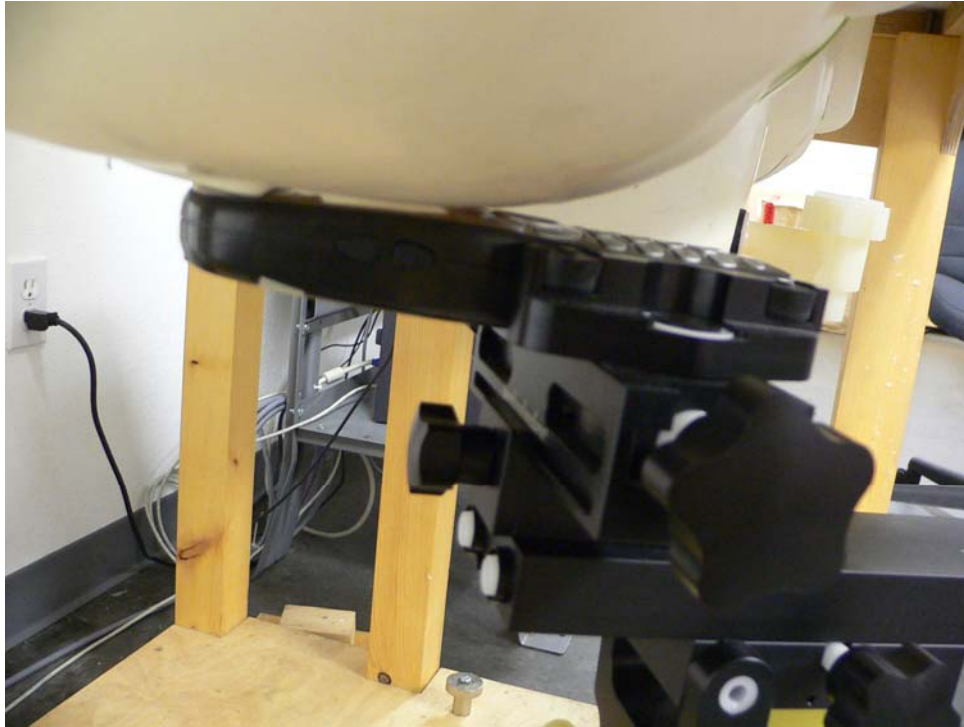

Body – PTH200 (1100mAH)

Left Head Touch (1100mAH)

Left Head Tilt (1100mAH)

Right Head Touch (1100mAH)

Right Head Tilt (1100mAH)

Body – H81N-A (1600mAH)

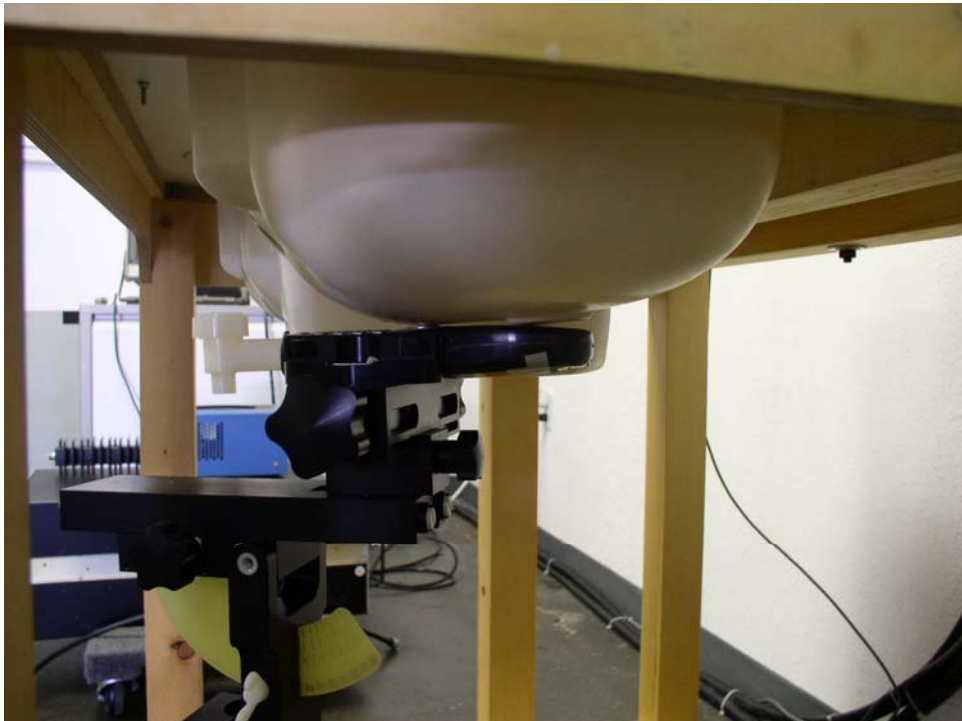**Body – H251N (1600mAH)**

Body – H251N-A (1600mAH)

Body – PTH100 (1600mAH)
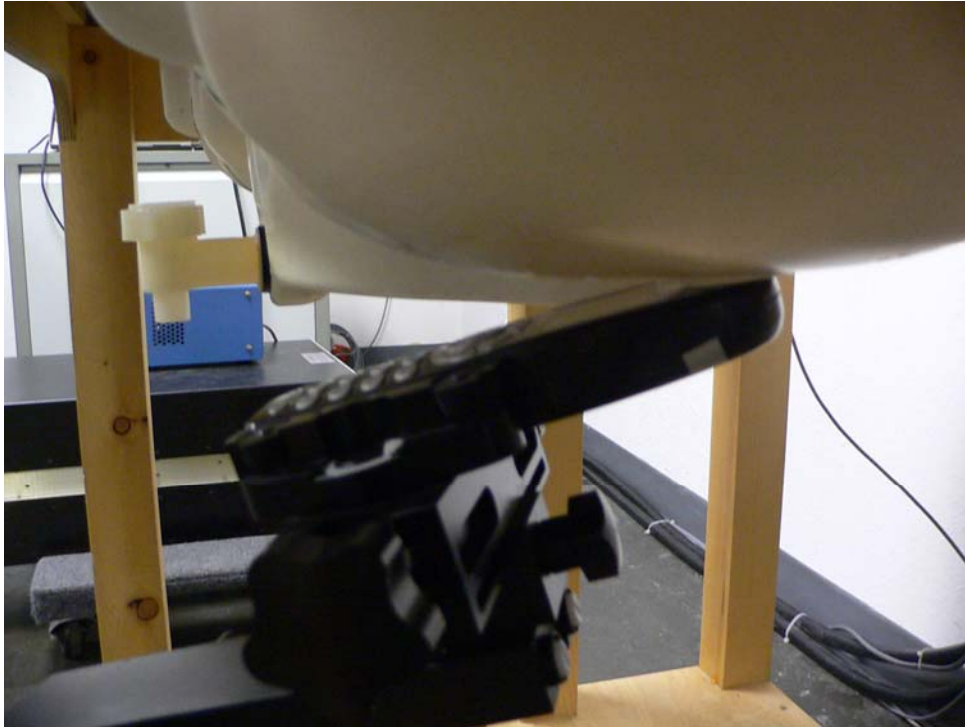
Body – PTH200 (1600mAH)
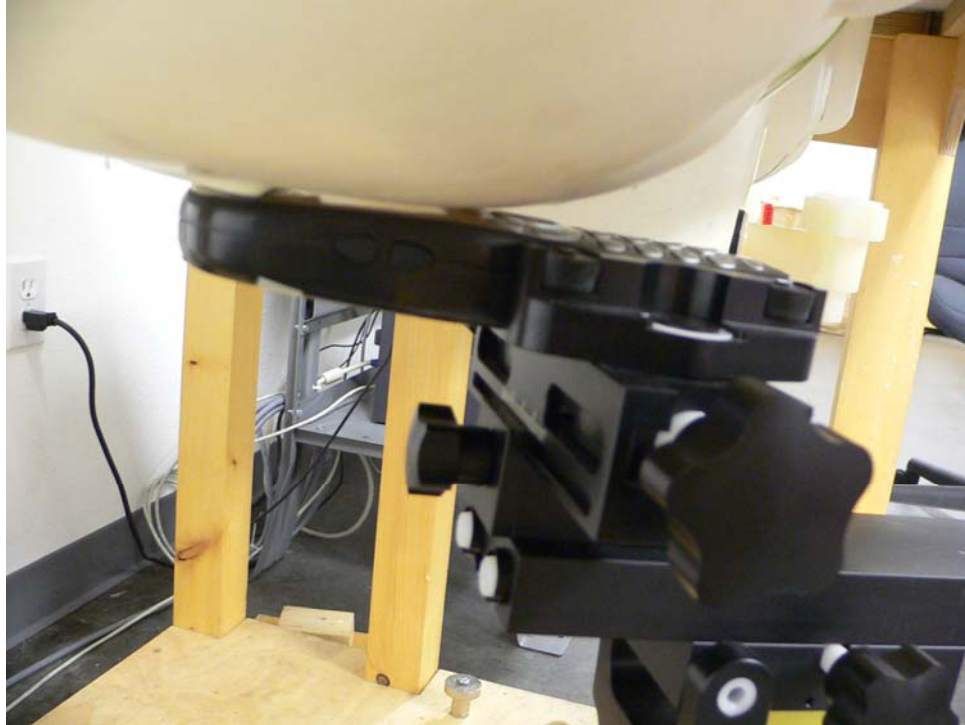

Left Head Touch (1600mAH)
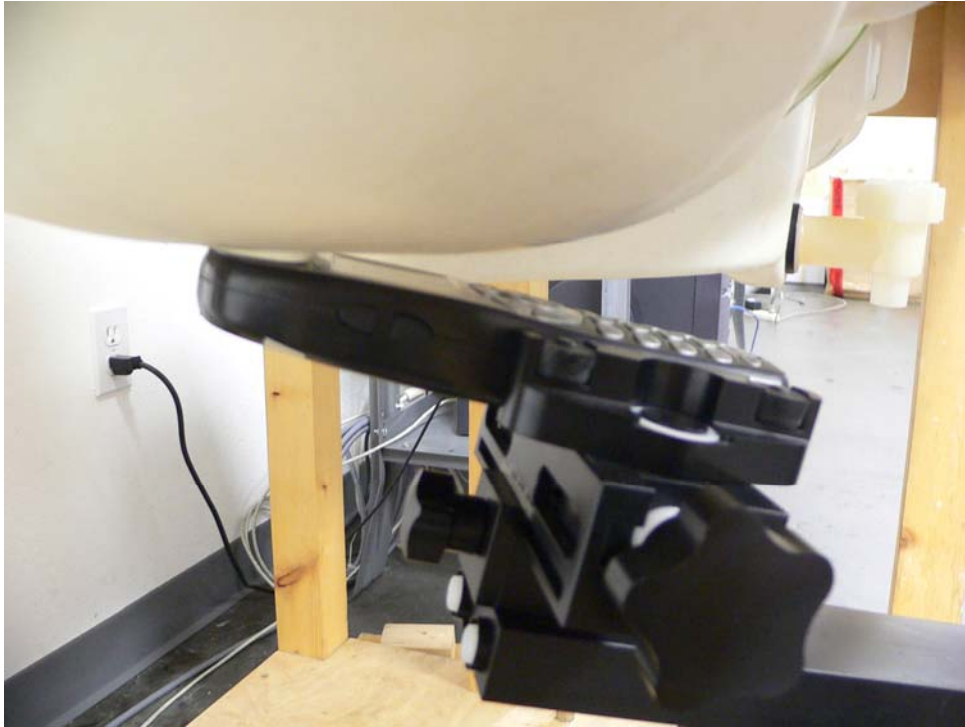
Left Head Tilt (1600mAH)

Right Head Touch (1600mAH)

Right Head Tilt (1600mAH)

APPENDIX H – EUT & ACCESSORIES PHOTOS
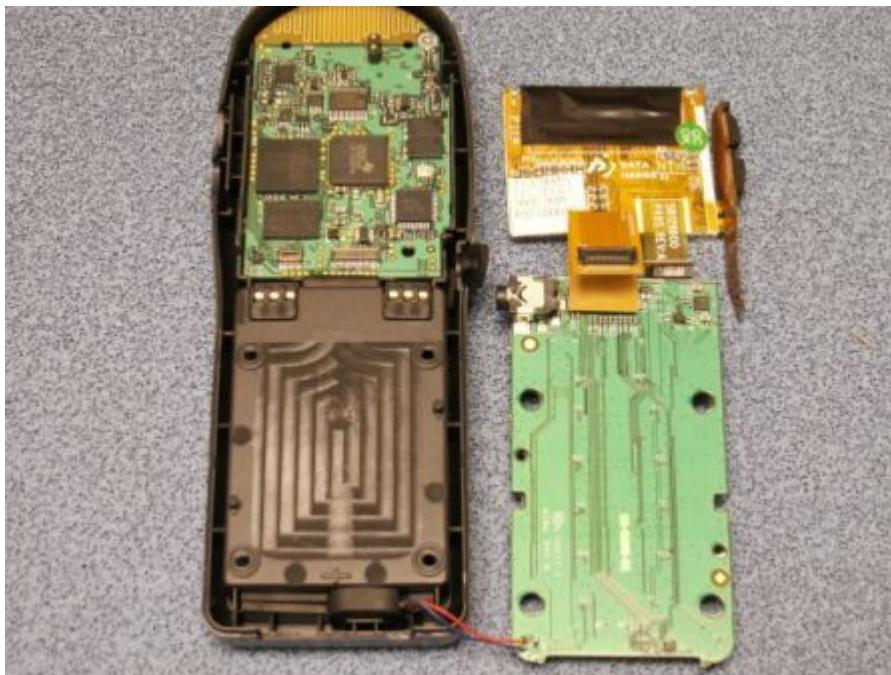
EUT – Front View

EUT – Back View

EUT – Cover Off View

EUT – Board View

EUT – TX Board Component View

EUT – TX Board Solder View

EUT – Battery Cover Off View

APPENDIX I - INFORMATIVE REFERENCES

[1] Federal Communications Commission, \Report and order: Guidelines for evaluating the environmental effects of radiofrequency radiation", Tech. Rep. FCC 96-326, FCC, Washington, D.C. 20554, 1996.

[2] David L. Means Kwok Chan, Robert F. Cleveland, \Evaluating compliance with FCC guidelines for human exposure to radiofrequency electromagnetic fields", Tech. Rep., Federal Communication Commission, O_ce of Engineering & Technology, Washington, DC, 1997.

[3] Thomas Schmid, Oliver Egger, and Niels Kuster, \Automated E-_eld scanning system for dosimetric assessments", IEEE Transactions on Microwave Theory and Techniques, vol. 44, pp. 105{113, Jan. 1996.

[4] Niels Kuster, Ralph K.astle, and Thomas Schmid, \Dosimetric evaluation of mobile communications equipment with known precision", IEICE Transactions on Communications, vol. E80-B, no. 5, pp. 645{652, May 1997.

[5] CENELEC, \Considerations for evaluating of human exposure to electromagnetic fields (EMFs) from mobile telecommunication equipment (MTE) in the frequency range 30MHz - 6GHz", Tech. Rep., CENELEC, European Committee for Electrotechnical Standardization, Brussels, 1997.

[6] ANSI, ANSI/IEEE C95.1-1992: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz, The Institute of Electrical and Electronics Engineers, Inc., New York, NY 10017, 1992.

[7] Katja Pokovic, Thomas Schmid, and Niels Kuster, \Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies", in ICECOM _ 97, Dubrovnik, October 15{17, 1997, pp. 120-24.

[8] Katja Pokovic, Thomas Schmid, and Niels Kuster, \E-field probe with improved isotropy in brain simulating liquids", in Proceedings of the ELMAR, Zadar, Croatia, 23{25 June, 1996, pp. 172-175.

[9] Volker Hombach, Klaus Meier, Michael Burkhardt, Eberhard K. uhn, and Niels Kuster, \The depen-dence of EM energy absorption upon human head modeling at 900 MHz", IEEE Transactions on Microwave Theory and Techniques, vol. 44, no. 10, pp. 1865-1873, Oct. 1996.

[10] Klaus Meier, Ralf Kastle, Volker Hombach, Roger Tay, and Niels Kuster, \The dependence of EM energy absorption upon human head modeling at 1800 MHz", IEEE Transactions on Microwave Theory and Techniques, Oct. 1997, in press.

[11] W. Gander, Computermathematik, Birkhaeuser, Basel, 1992.

[12] W. H. Press, S. A. Teukolsky,W. T. Vetterling, and B. P. Flannery, Numerical Recepies in C, The Art of Scientific Computing, Second Edition, Cambridge University Press, 1992.Dosimetric Evaluation of Sample device, month 1998 9

[13] NIS81 NAMAS, \The treatment of uncertainity in EMC measurement", Tech. Rep., NAMAS Executive, National Physical Laboratory, Teddington, Middlesex, England, 1994.

[14] Barry N. Taylor and Christ E. Kuyatt, \Guidelines for evaluating and expressing the uncertainty of NIST measurement results", Tech. Rep., National Institute of Standards and Technology, 1994. Dosimetric Evaluation of Sample device, month 1998 10.