Impedance Measurement Plot for Body TSL

2 May 2006 11:12:23

CH1 S11   1 U FS   1: 48.117 Ω   -11.842 a 2.6890 pF   5 000.000 000 MHz

5 GHz

CH1 Markers

2: 50.125 Ω
   -8.0742 Ω
5.20000 GHz

3: 49.844 Ω
   -707.03 mΩ
5.50000 GHz

4: 55.762 Ω
   3.1520 Ω
5.80000 GHz

Del

Cor

Avg
16

CH2 S11   L0G   5 dB/ REF -20 dB   1: -18.320 dB 5 000.000 000 MHz

CH2 Markers

2: -21.895 dB
5.20000 GHz

3: -42.726 dB
5.50000 GHz

4: -24.137 dB
5.80000 GHz

Cor

Avg
16

START 4 000.000 000 MHz   STOP 6 000.000 000 MHz

APPENDIX D - TEST SYSTEM VERIFICATIONS SCANS

Liquid Measurement Result

2006-04-04 & 2006-04-05

Stimulant	Freq [MHz]	Parameters	Liquid Temp [ºC]	Target Value	Measured Value	Deviation [%]	Limits [%]
Body	2450	ε	22	52.7	53	0.57	±5
		σ	22	1.95	2.01	3.08	±5
		1g SAR	22	56.84	55.1	-3.06	±10
Head	2450	ε	21	39.2	39.1	-0.26	±5
		σ	21	1.80	1.83	1.67	±5
		1g SAR	21	52.4	49	-6.49	±10

ε_r = relative permittivity, σ = conductivity and ρ=1000kg/m^3

2006-04-05

Stimulant	Freq [MHz]	Parameters	Liquid Temp [ºC]	Target Value	Measured Value	Deviation	Limits [%]
Body	5800	ε_r	22.0	48.2	48.2	0.00	±5
		σ	22.0	6.00	6.05	0.83	±5
		1g SAR	22.0	74.1	75.5	1.89	±10
Head	5800	ε_r	22.0	35.3	36.27	2.75	±5
		σ	22.0	5.27	5.26	-0.19	±5
		1g SAR	22.0	78.0	76.9	-1.41	±10

ε_r = relative permittivity, σ = conductivity and ρ=1000kg/m^3

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
   System Validation for Body

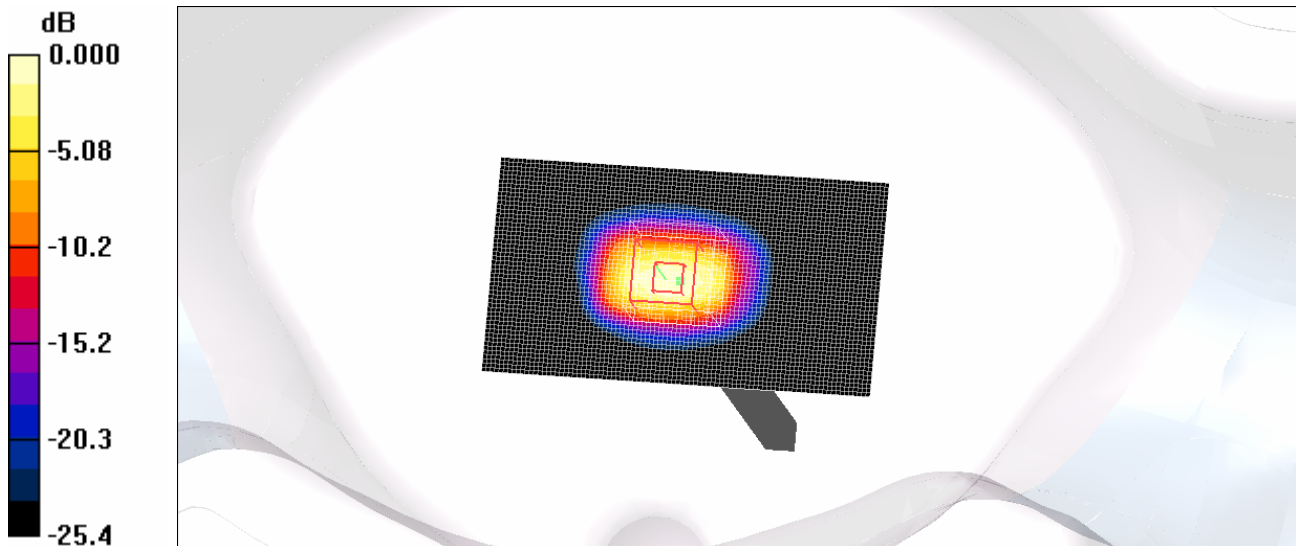**DUT: Dipole 2450 MHz; Type: D2450; Serial: D2450 - SN:123**

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 2.01 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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

d=10mm, Pin=1W/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 86.4 mW/g

d=10mm, Pin=1W/Zoom Scan (7x7x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 185.1 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 144.8 W/kg
SAR(1 g) = 55.1 mW/g; SAR(10 g) = 22.2 mW/g
Maximum value of SAR (measured) = 63.0 mW/g

0 dB = 63.0mW/g

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
   System Validation for Head

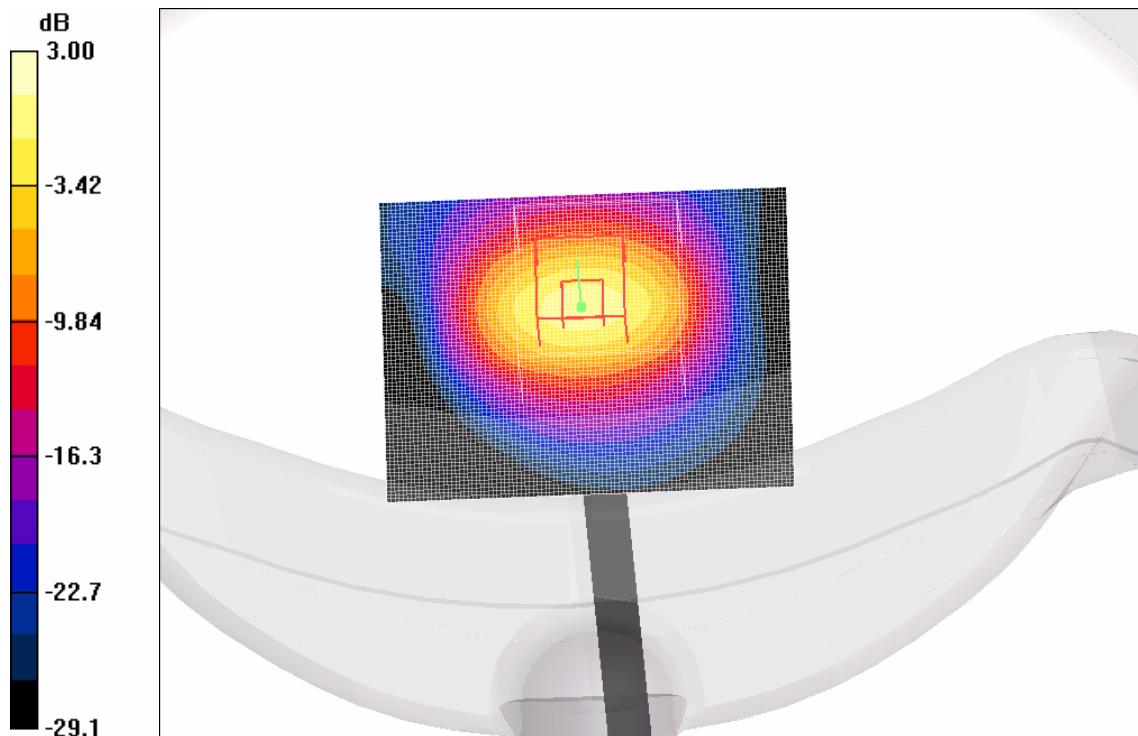**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:xxx**

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.83 mho/m; ε_r = 39.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn456; Calibrated: 10/18/2005

- Phantom: SAM with CRP; Type: SAM; Serial: TP-1032

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

d=10mm, Pin=1W /Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm
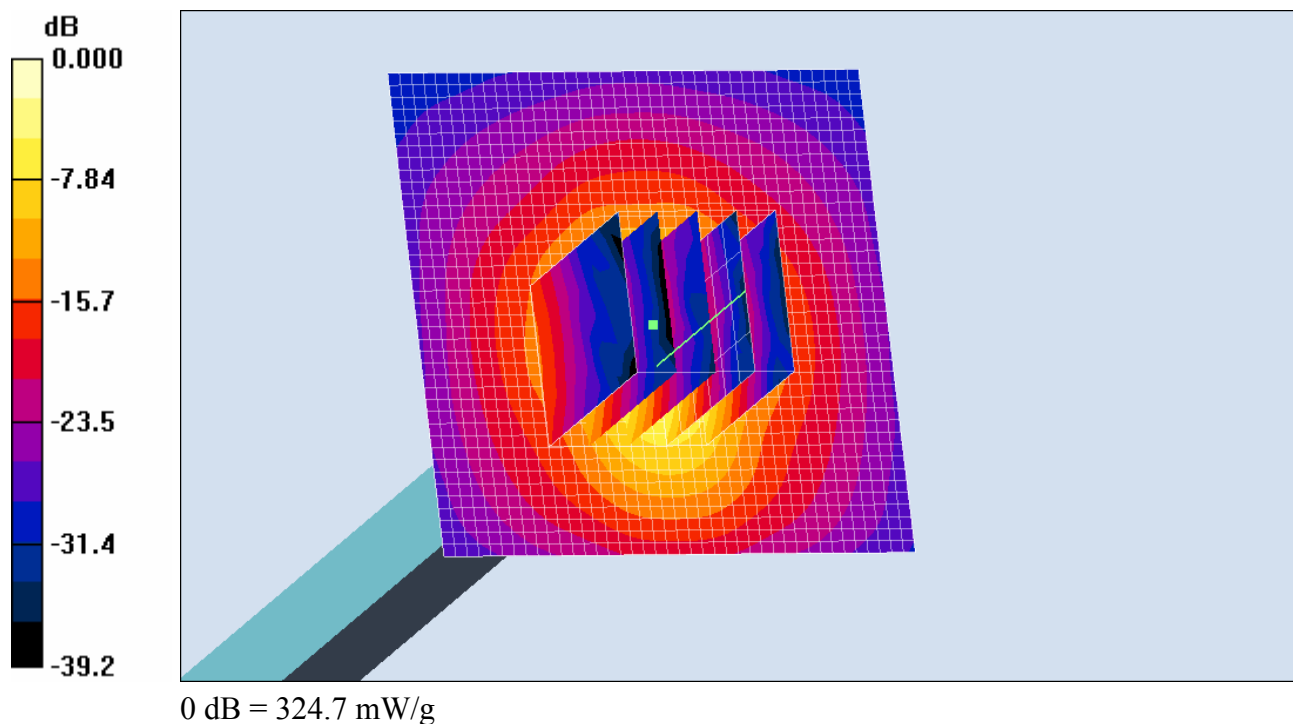Maximum value of SAR (interpolated) = 55.7 mW/g

d=10mm, Pin=1W /Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 185.2 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 105.8 W/kg
SAR(1 g) = 49 mW/g; SAR(10 g) = 22.5 mW/g
Maximum value of SAR (measured) = 55.4 mW/g

0 dB = 55.4mW/g

Body System Validation

DUT: Dipole 5800MHZ; Type: EX3DV4; SN:3576

Communication System: CW; Frequency: 5800MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 6.05 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(3.85, 3.85, 3.85); Calibrated: 4/20/2006

- Sensor-Surface: 1 mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn456; Calibrated: 6/1/2004

- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 161

d=15mm, Pin=1W 2/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
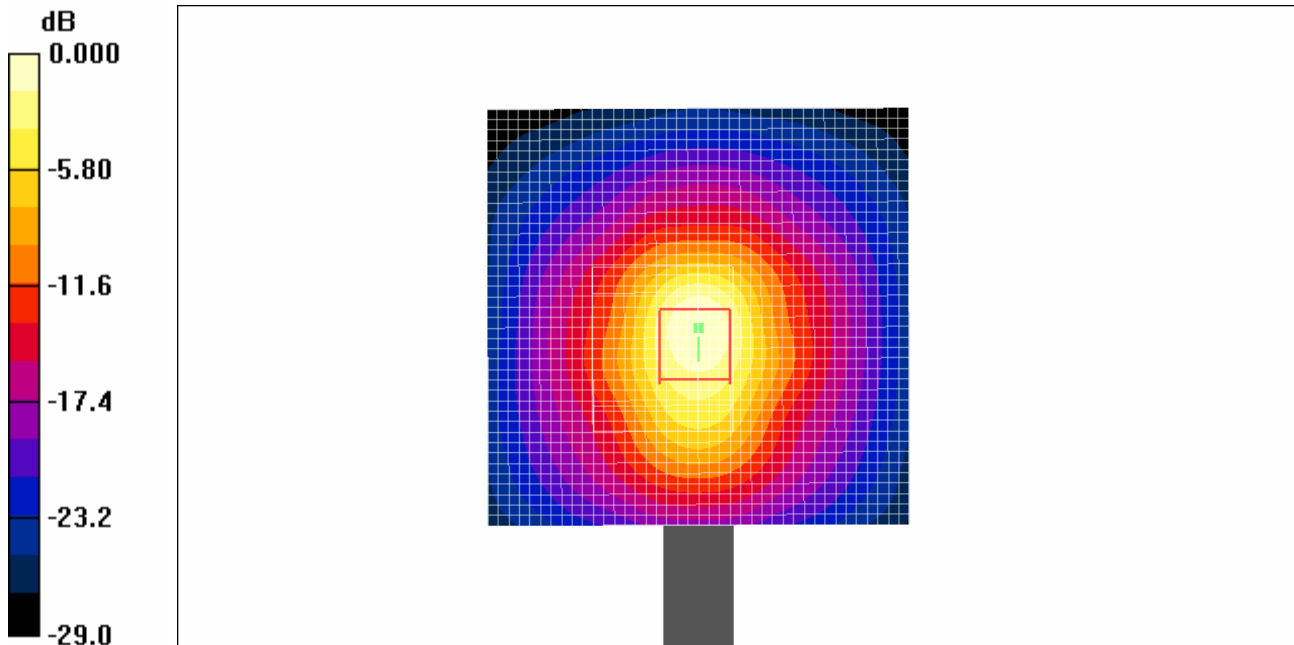Maximum value of SAR (interpolated) = 358.3 mW/g

d=15mm, Pin=1W 2/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm,
dy=3mm, dz=2.5mm
Reference Value = 33.0 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 352.2 W/kg
SAR(1 g) = 75.5 mW/g; SAR(10 g) =21.23 mW/g

Maximum value of SAR (measured) = 324.7 mW/g

0 dB = 324.7 mW/g

Head System Validation

DUT: Dipole 5800MHZ; Type: EX3DV4; SN:3576

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.26 mho/m; ε_r = 47.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4-SN3576; ConvF(3.89, 3.89, 3.89); Calibrated: 10/9/2003

- Sensor-Surface: 1 mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn456; Calibrated: 6/1/2004

- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 161

d=15mm, Pin=1W 2/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 358.3 mW/g

d=15mm, Pin=1W 2/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
Reference Value = 314.0 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 341.2 W/kg
SAR(1 g) = 76.9 mW/g; SAR(10 g) = 20.8 mW/g

Maximum value of SAR (measured) = 338.9 mW/g

0 dB = 338.9mW/g

APPENDIX E - EUT SCANS

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

    Body 850mAH-1

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT200)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
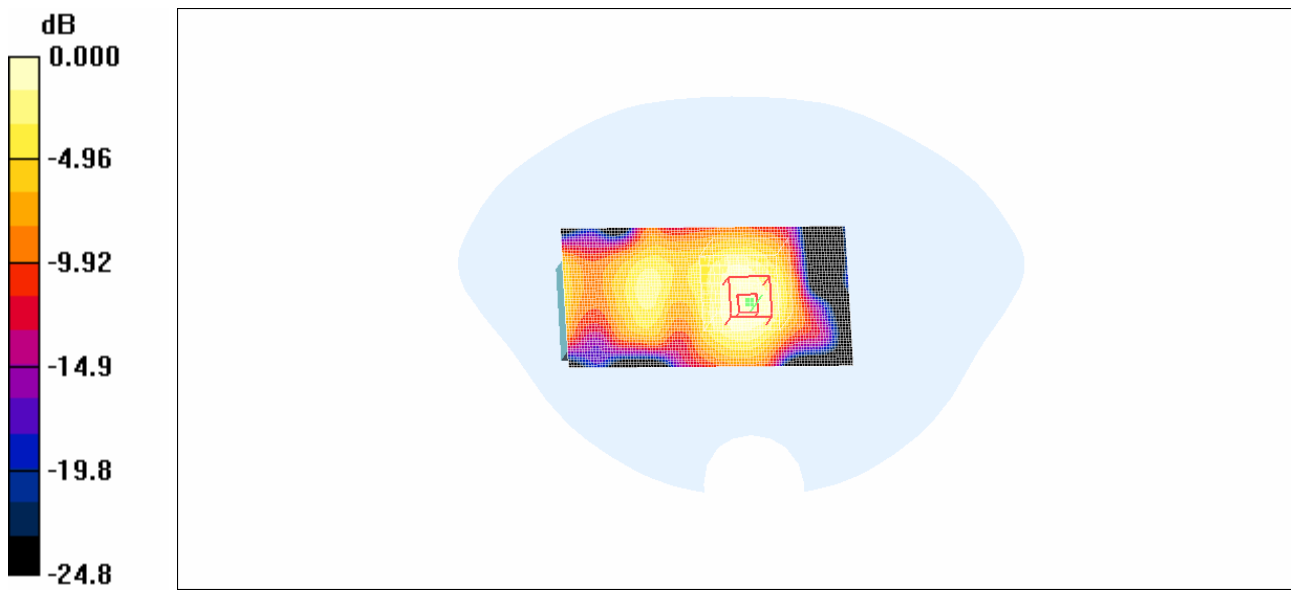Maximum value of SAR (interpolated) = 0.171 mW/g

1.5cm Body position(PHT200)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.46 V/m; Power Drift = -0.470 dB
Peak SAR (extrapolated) = 0.294 W/kg
SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.156 mW/g

0 dB = 0.156mW/g

Plot #1

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

    Body 850mAH-1

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51.2; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT300)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
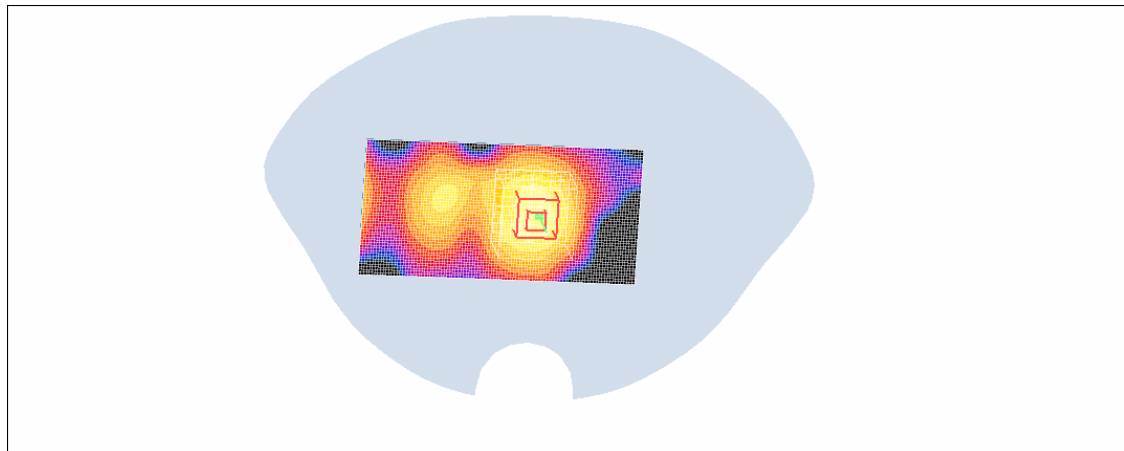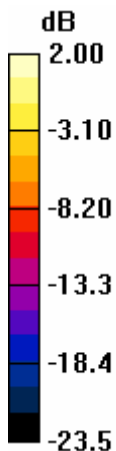Maximum value of SAR (interpolated) = 0.174 mW/g

1.5cm Body position(PHT300)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.26 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.162 mW/g

0 dB = 0.162mW/g

Plot #2

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

    Body 1100mAH-1

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT200)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
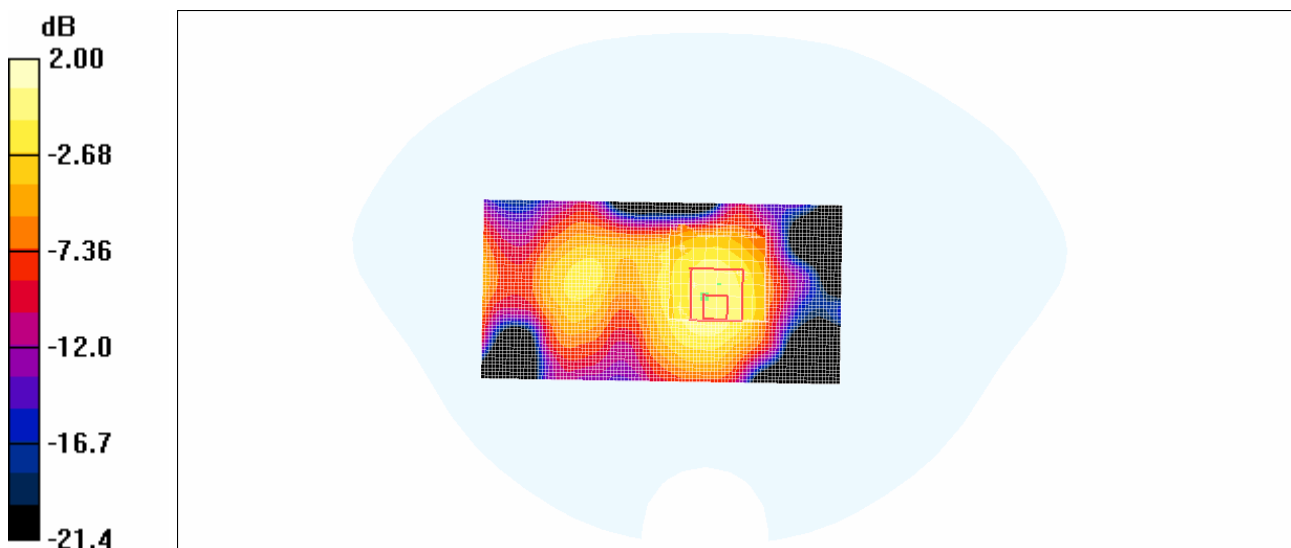Maximum value of SAR (interpolated) = 0.143 mW/g

1.5cm Body position(PHT200)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.41 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 0.251 W/kg
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.136 mW/g

      0 dB = 0.136mW/g

Plot #3

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
  Body 1100mAH-1

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT300)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
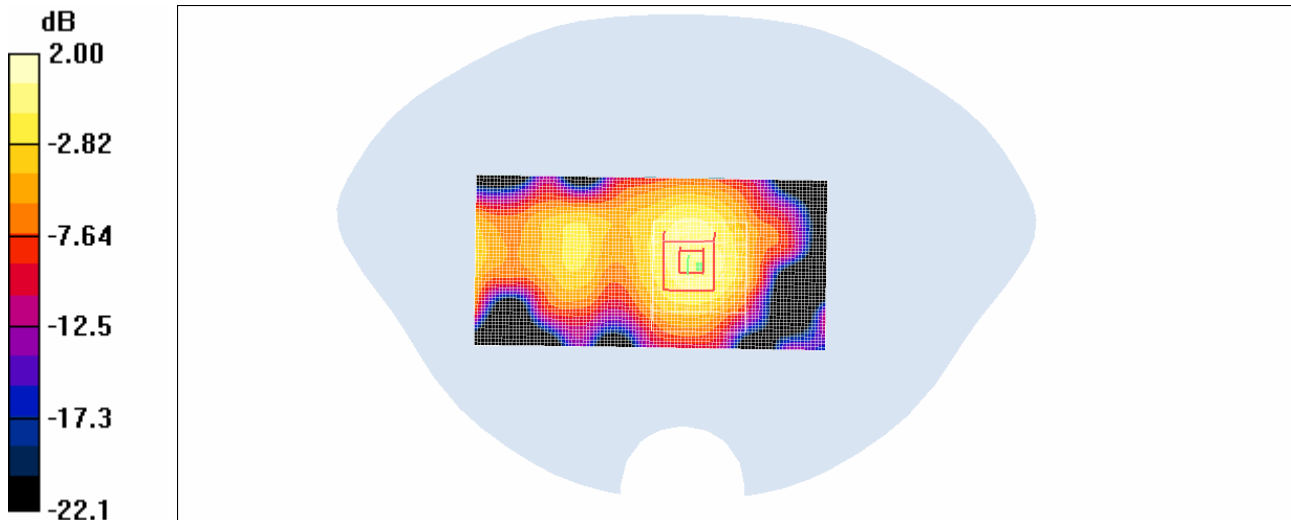Maximum value of SAR (interpolated) = 0.136 mW/g

1.5cm Body position(PHT300)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 8.47 V/m; Power Drift = -0.192 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.127 mW/g

0 dB = 0.127mW/g

Plot #4

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

   Body 1600mAH-1

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT200)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
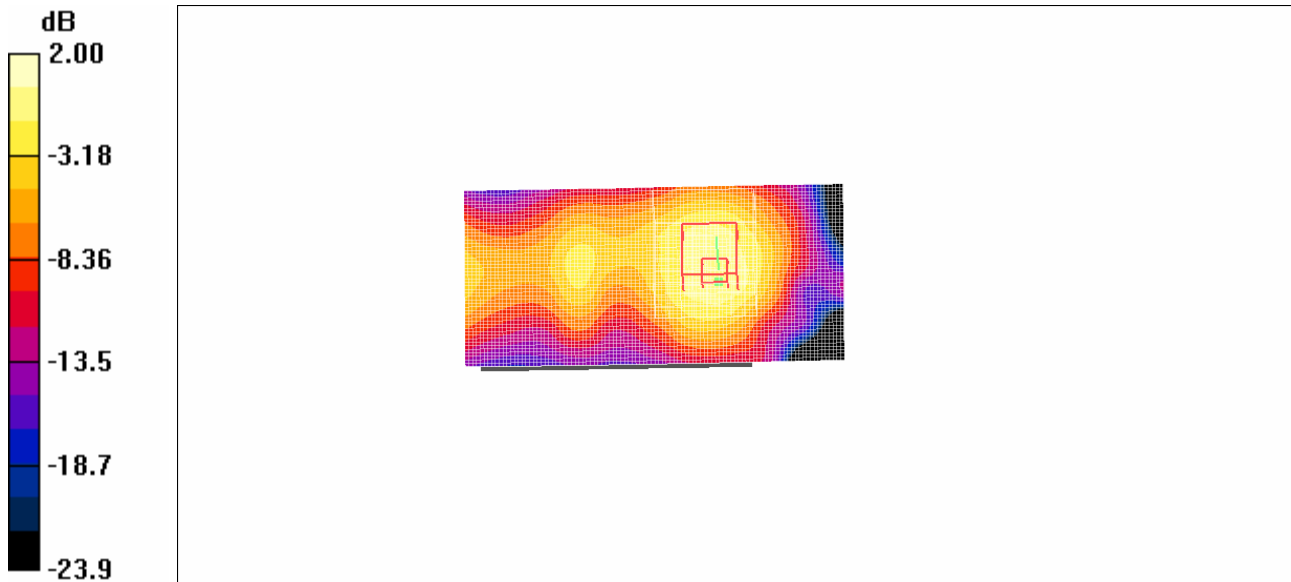Maximum value of SAR (interpolated) = 0.176 mW/g

1.5cm Body position(PHT200)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.42 V/m; Power Drift = -0.149 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.160 mW/g

   0 dB = 0.160mW/g

Plot #5

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
   Body 1600mAH-1

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; $ε_r$ = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT300)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
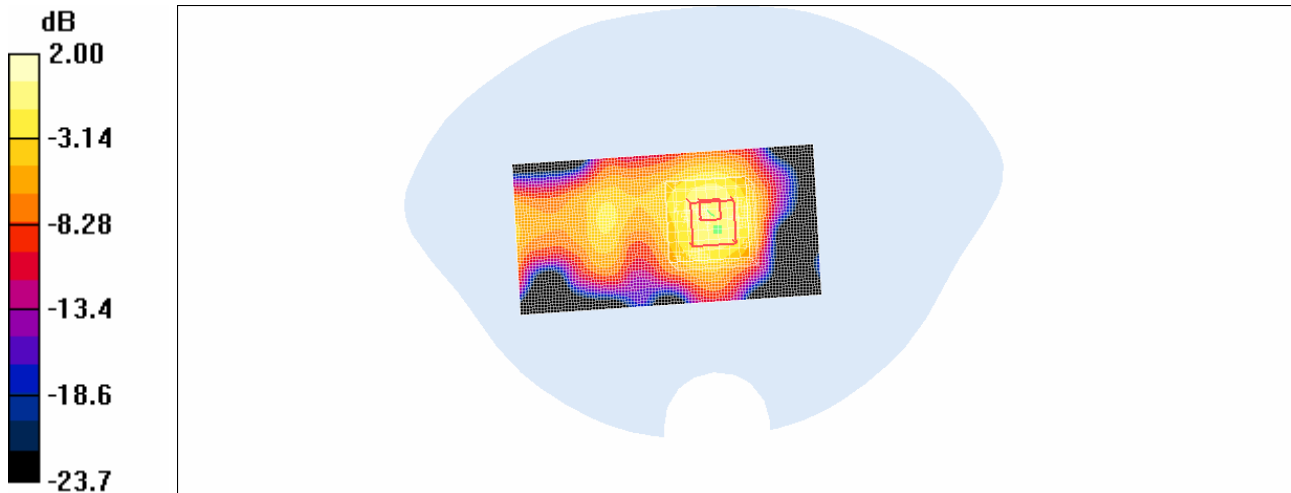Maximum value of SAR (interpolated) = 0.216 mW/g

1.5cm Body position(PHT300)/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 9.90 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.093 mW/g
Maximum value of SAR (measured) = 0.183 mW/g

0 dB = 0.183mW/g

Plot #6

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

  Left Head 850mAH

DUT: 702X; Type: Sample; Serial: 2-02

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
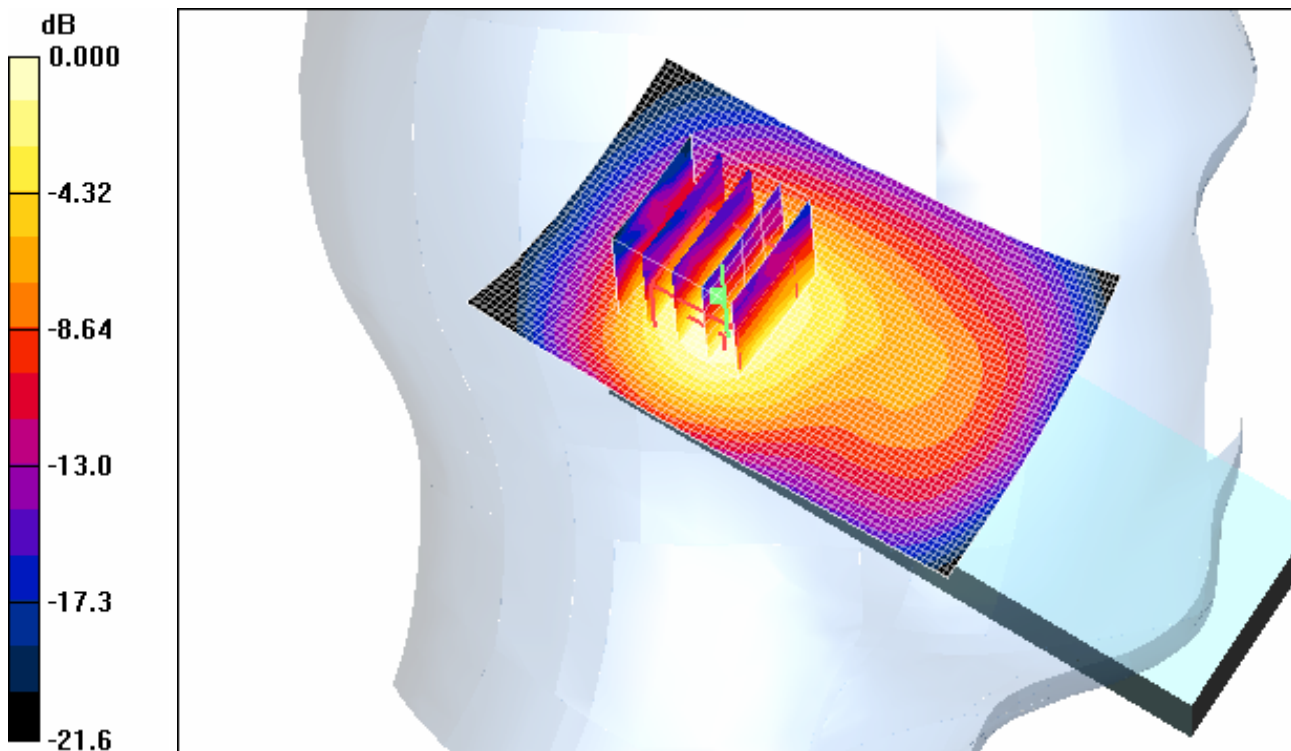Maximum value of SAR (interpolated) = 0.249 mW/g

Tilt position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.069 dB
Peak SAR (extrapolated) = 0.456 W/kg
SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.239 mW/g

     0 dB = 0.239mW/g

Plot #7

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
   Left Head 850mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; $ε_r$ = 39.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
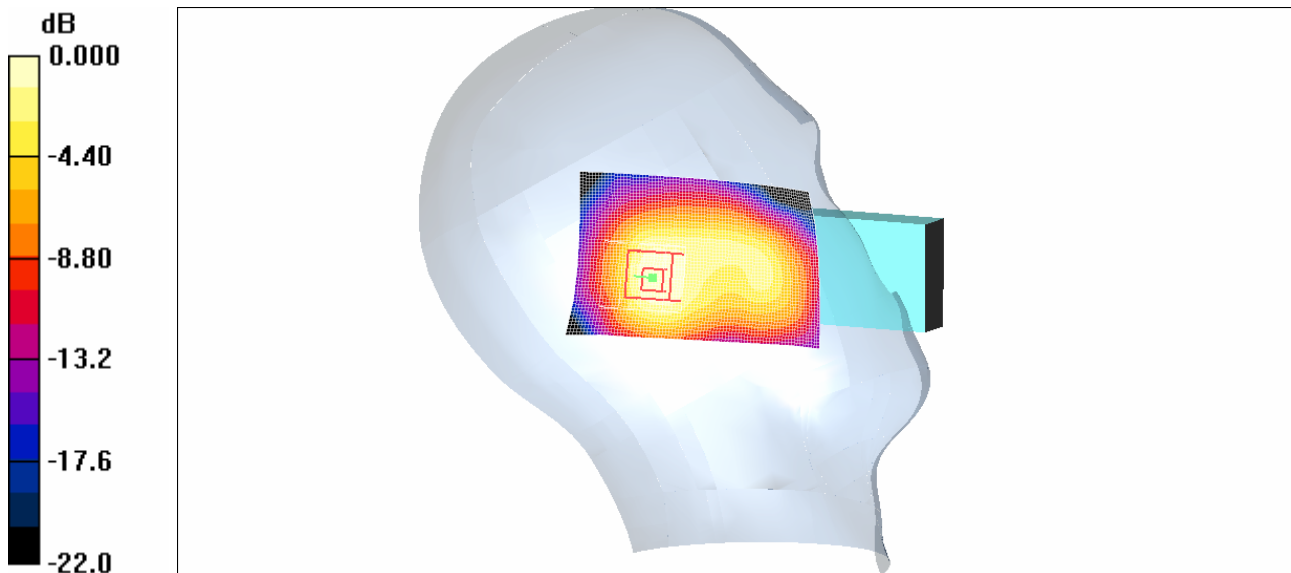Maximum value of SAR (interpolated) = 0.205 mW/g

Touch position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.63 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 0.350 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.213 mW/g

0 dB = 0.213mW/g

Plot #8

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
    Right Head 850mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
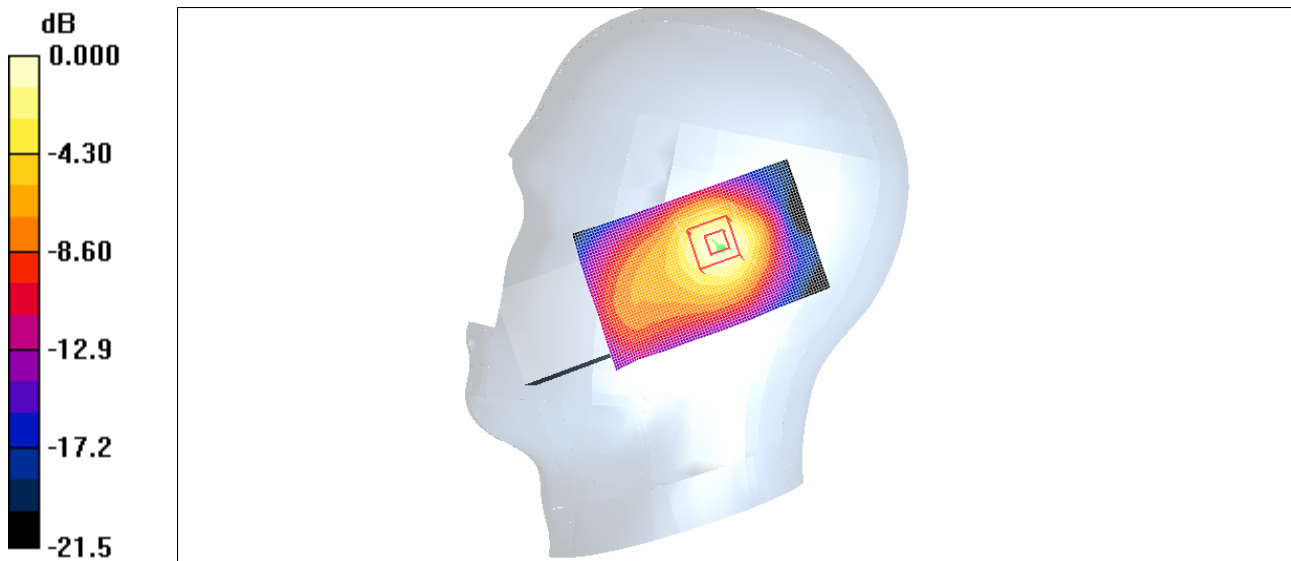Maximum value of SAR (interpolated) = 0.238 mW/g

Tilt position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.352 W/kg
SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.223 mW/g

0 dB = 0.223mW/g

Plot #9

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

  Right Head 850mAH

DUT: 702X; Type: Sample; Serial: 02-02

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
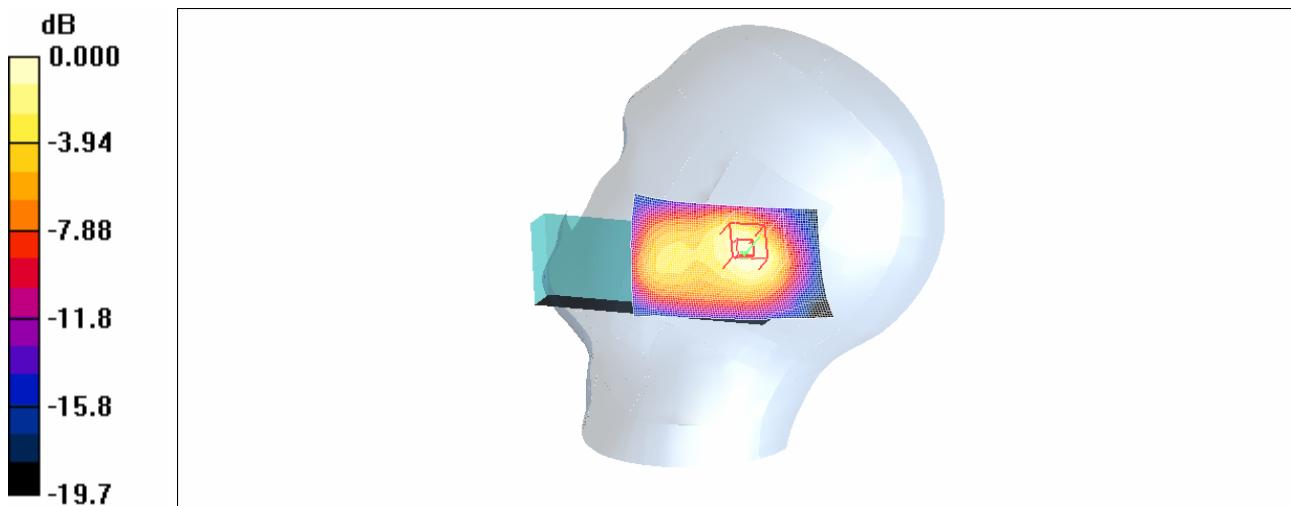Maximum value of SAR (interpolated) = 0.214 mW/g

Touch position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.97 V/m; Power Drift = -0.174 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.200 mW/g

0 dB = 0.200mW/g

Plot #10

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
    Left Head 1100mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
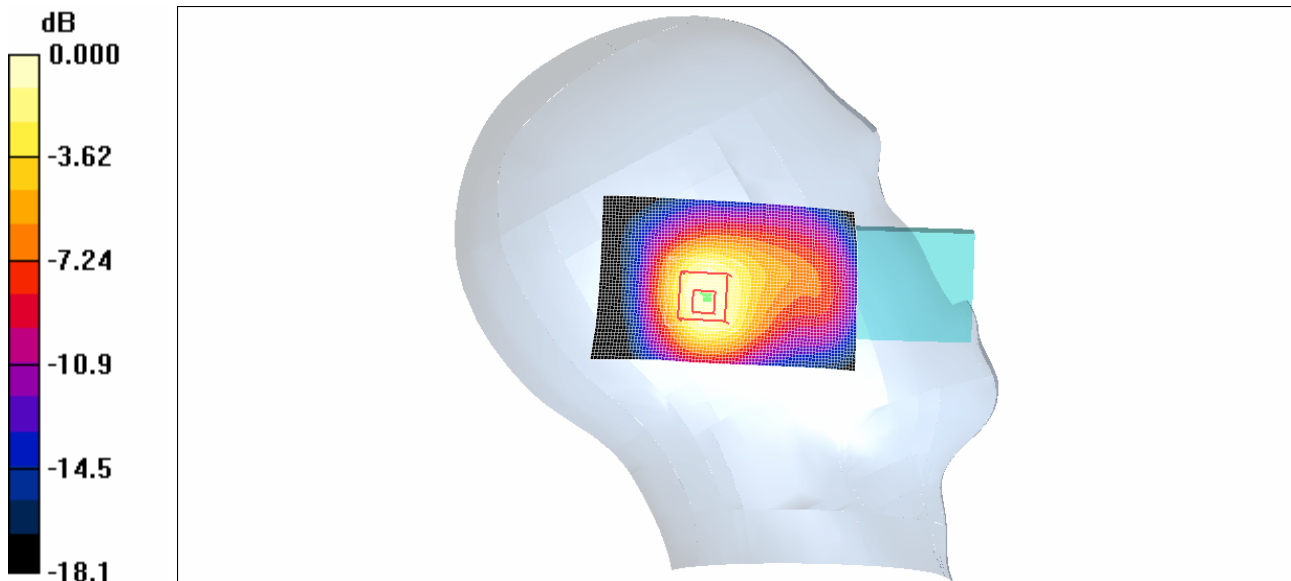Maximum value of SAR (interpolated) = 0.233 mW/g

Tilt position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = -0.310 dB
Peak SAR (extrapolated) = 0.336 W/kg
SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.210 mW/g

0 dB = 0.210mW/g

Plot #11

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
   Left Head 1100mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
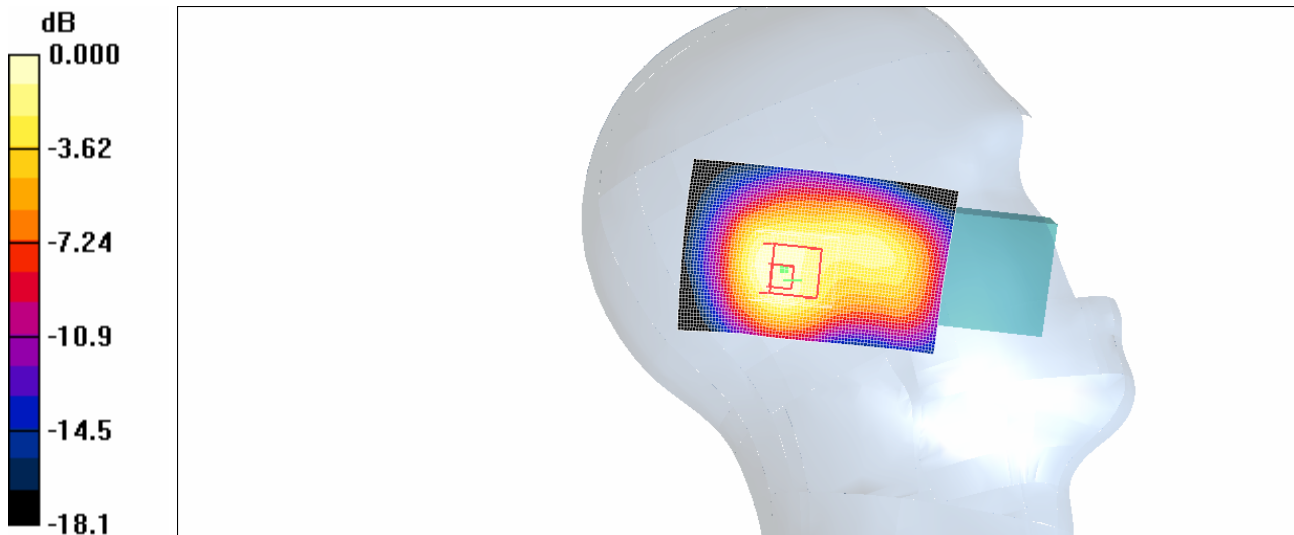Maximum value of SAR (interpolated) = 0.197 mW/g

Touch position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.67 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 0.307 W/kg
SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.202 mW/g

0 dB = 0.202mW/g

Plot #12

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

   Right Head 1100mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; $ε_r$ = 39.5; ρ = 1000 kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
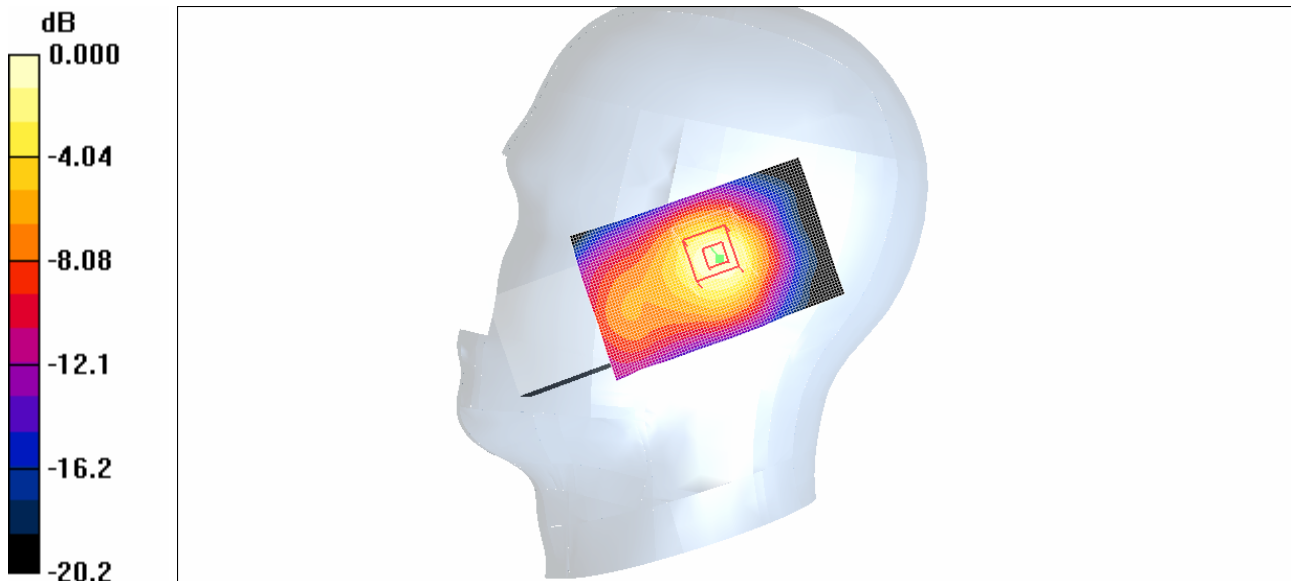Maximum value of SAR (interpolated) = 0.225 mW/g

Tilt position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.9 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 0.363 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.099 mW/g
Maximum value of SAR (measured) = 0.211 mW/g

0 dB = 0.211mW/g

Plot #13

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

   Right Head 1100mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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 (51x71x1): Measurement grid: dx=15mm, dy=15mm
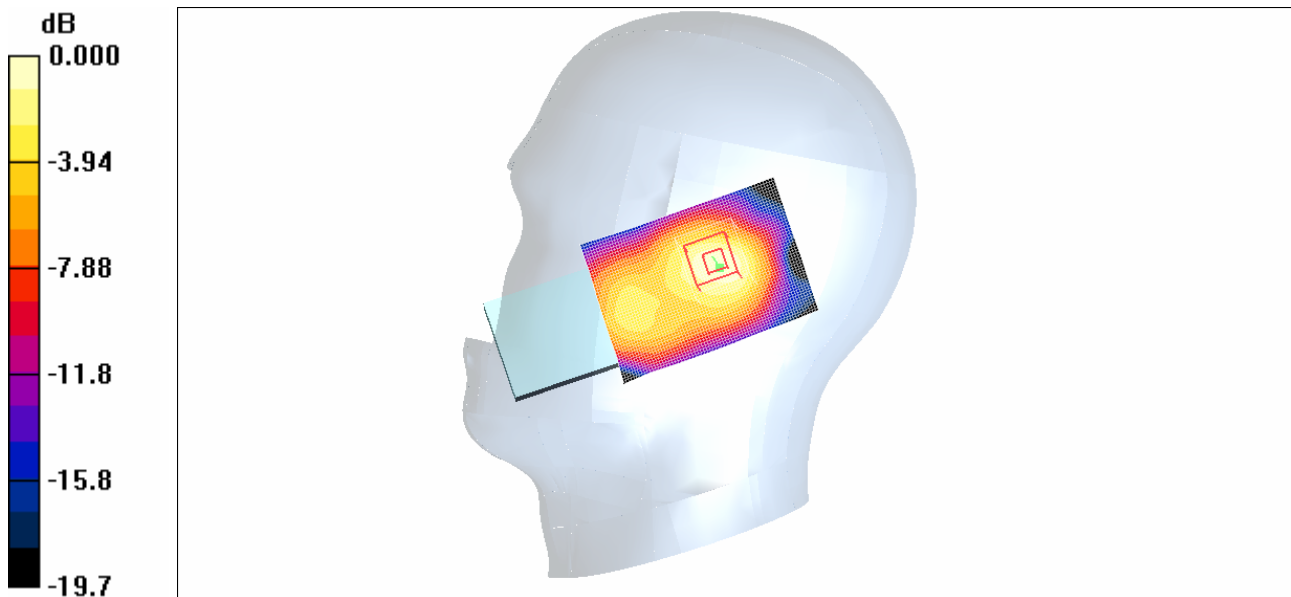Maximum value of SAR (interpolated) = 0.232 mW/g

Touch position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.222 mW/g

0 dB = 0.222mW/g

Plot #14

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
     Left Head 1600mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
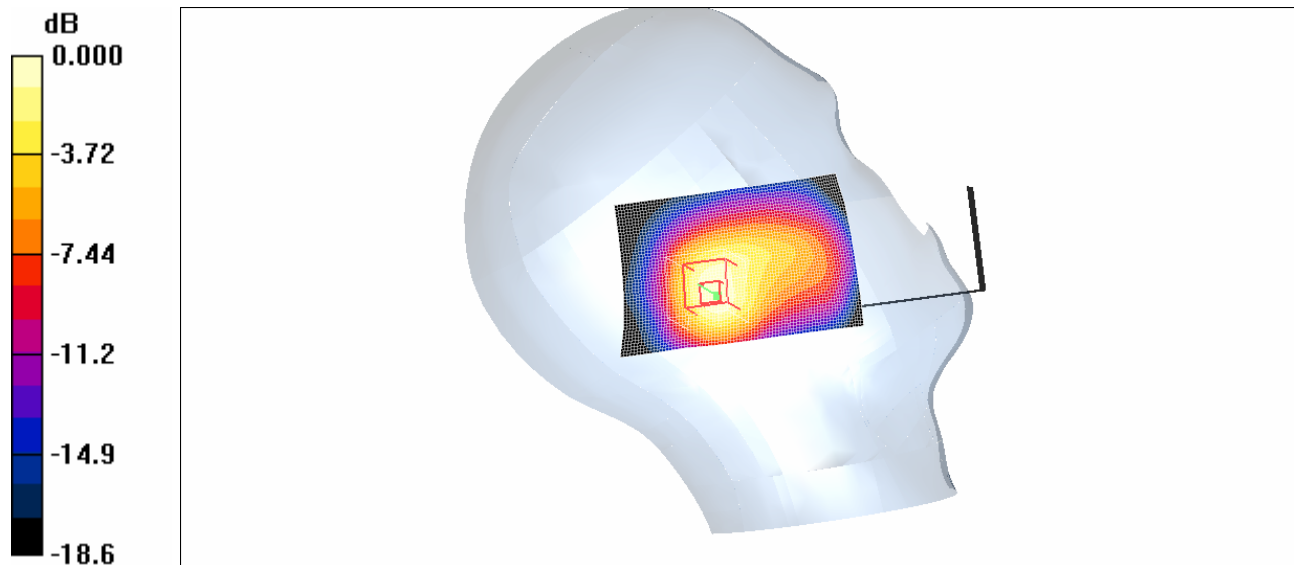Maximum value of SAR (interpolated) = 0.227 mW/g

Tilt position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.95 V/m; Power Drift = 0.252 dB
Peak SAR (extrapolated) = 0.388 W/kg
SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.228 mW/g

0 dB = 0.228mW/g

Plot #15

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
     Left Head 1600mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
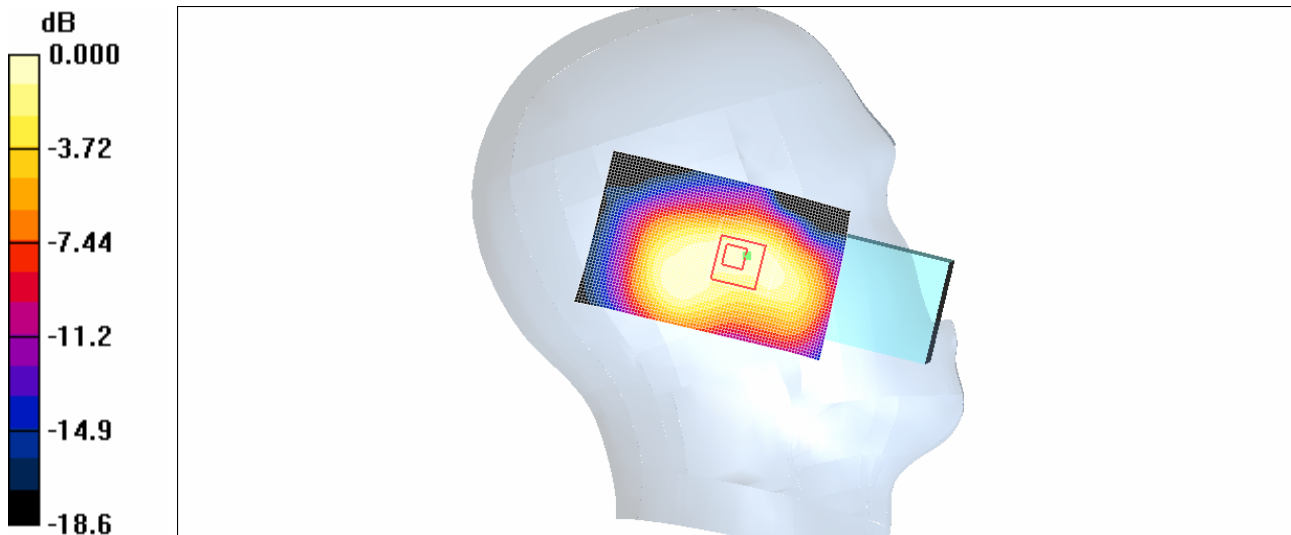Maximum value of SAR (interpolated) = 0.204 mW/g

Touch position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.29 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 0.522 W/kg
SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.192 mW/g

0 dB = 0.192mW/g

Plot #16

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

 Right Head 1600mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
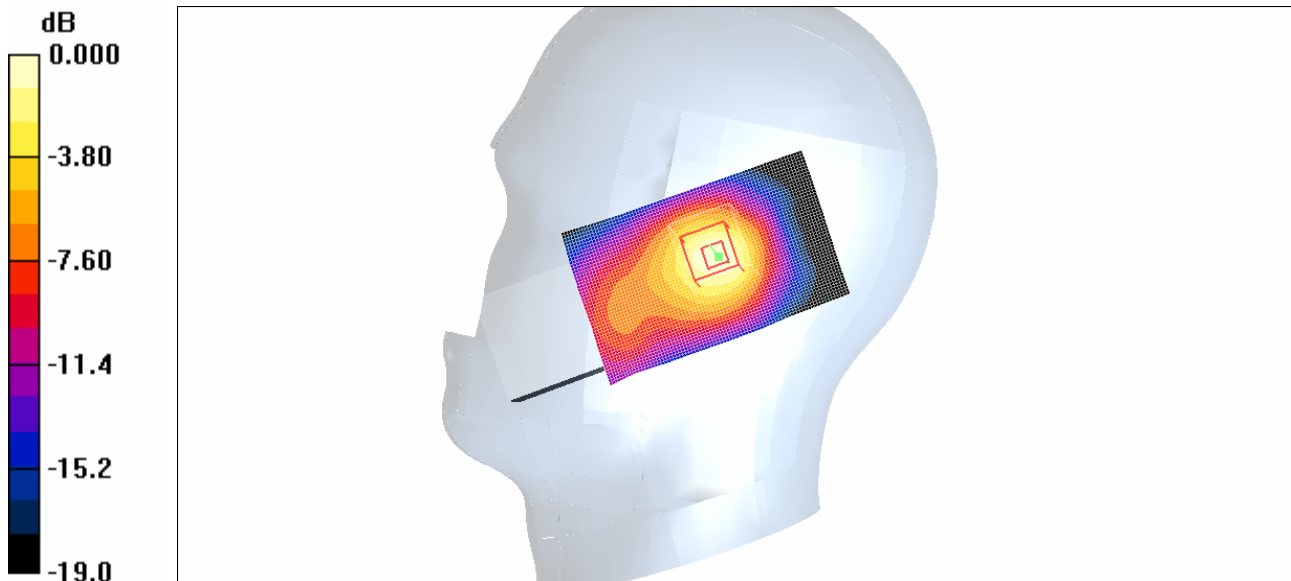Maximum value of SAR (interpolated) = 0.219 mW/g

Tilt position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.8 V/m; Power Drift = -0.095 dB
Peak SAR (extrapolated) = 0.347 W/kg
SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.214 mW/g

0 dB = 0.214mW/g

Plot #17

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
     Right Head 1600mAH

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.58, 4.58, 4.58); Calibrated: 3/18/2005

- 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
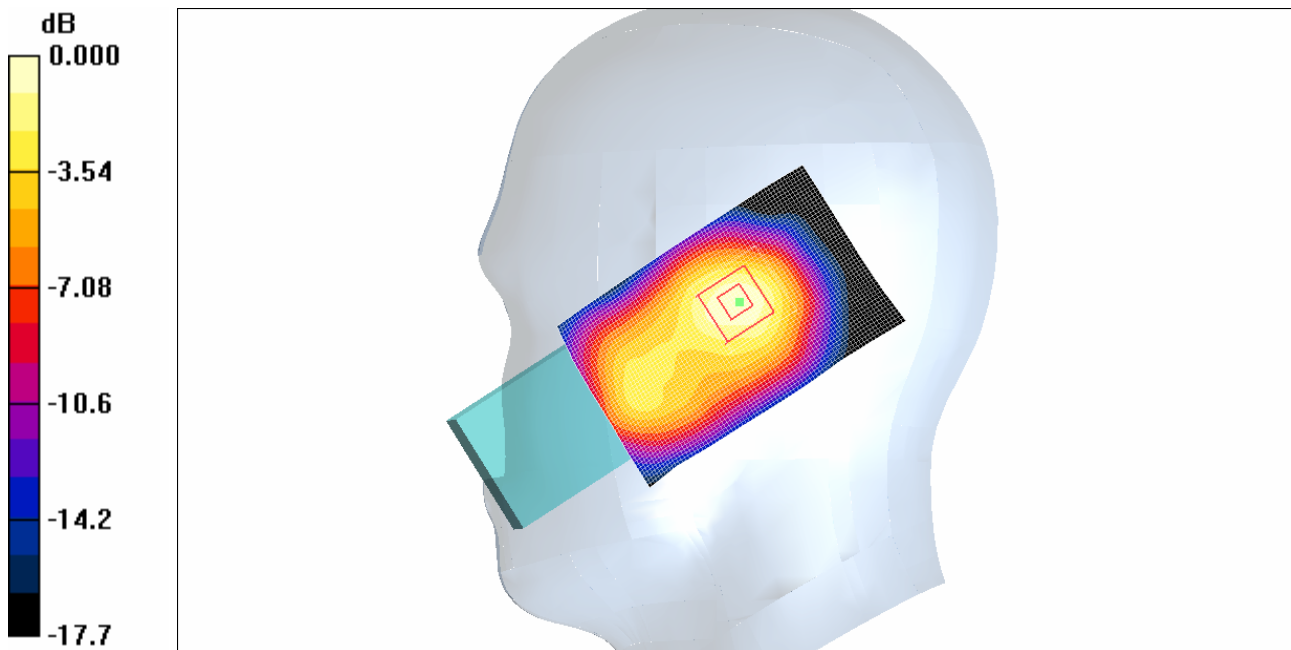Maximum value of SAR (interpolated) = 0.221 mW/g

Touch position - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.335 W/kg
SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.215 mW/g

0 dB = 0.215mW/g

Plot #18

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
   Body 850mAH 802.11g

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT200)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
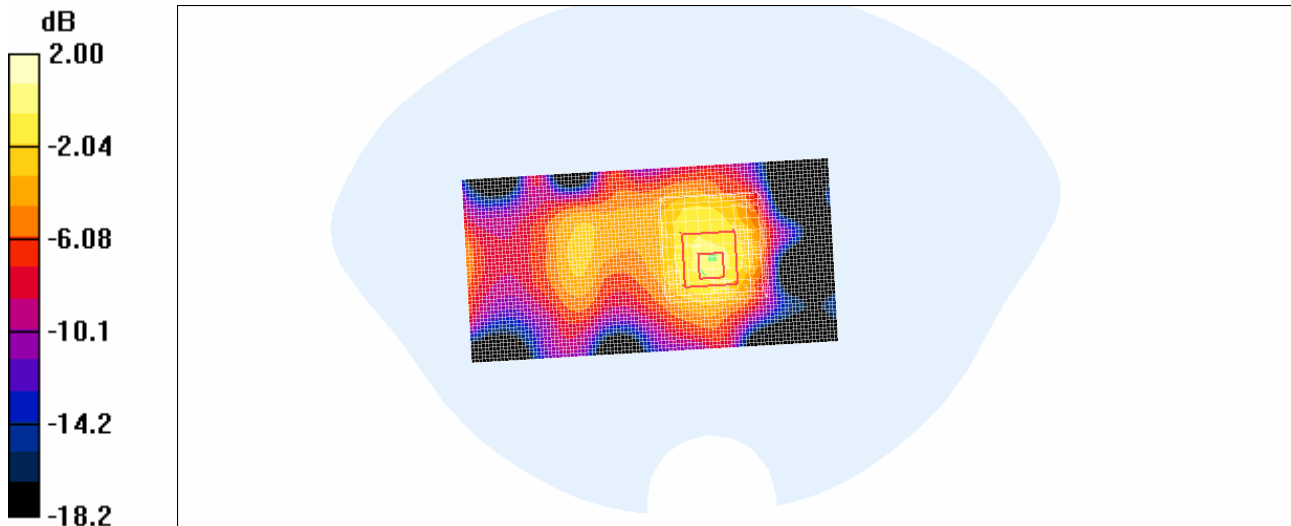Maximum value of SAR (interpolated) = 0.087 mW/g

1.5cm Body position(PHT200)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.29 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.079 mW/g

0 dB = 0.079mW/g

Plot #19

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

   Body 850mAH 802.11g

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT300)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
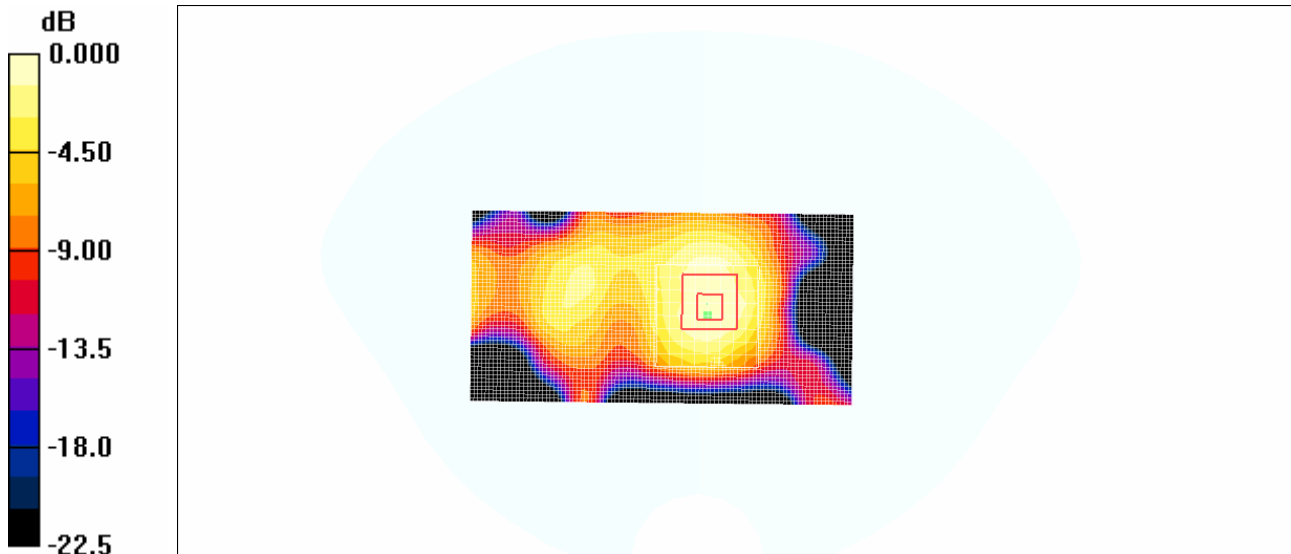Maximum value of SAR (interpolated) = 0.081 mW/g

1.5cm Body position(PHT300)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 6.32 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.078 mW/g

0 dB = 0.078mW/g

Plot #20

Test Laboratory: Bay Area Compliance Lab Corp.(BACL)
      Body 1100mAH 802.11g

DUT: 702X; Type: Sample; Serial: 02-2

Communication System: Spectralink 802.11g; Frequency: 2437 MHz;Duty Cycle: 1:5.9
Medium parameters used: f = 2437 MHz; σ = 2.02 mho/m; $ε_r$ = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.24, 4.24, 4.24); Calibrated: 3/18/2005

- 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(PHT200)/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
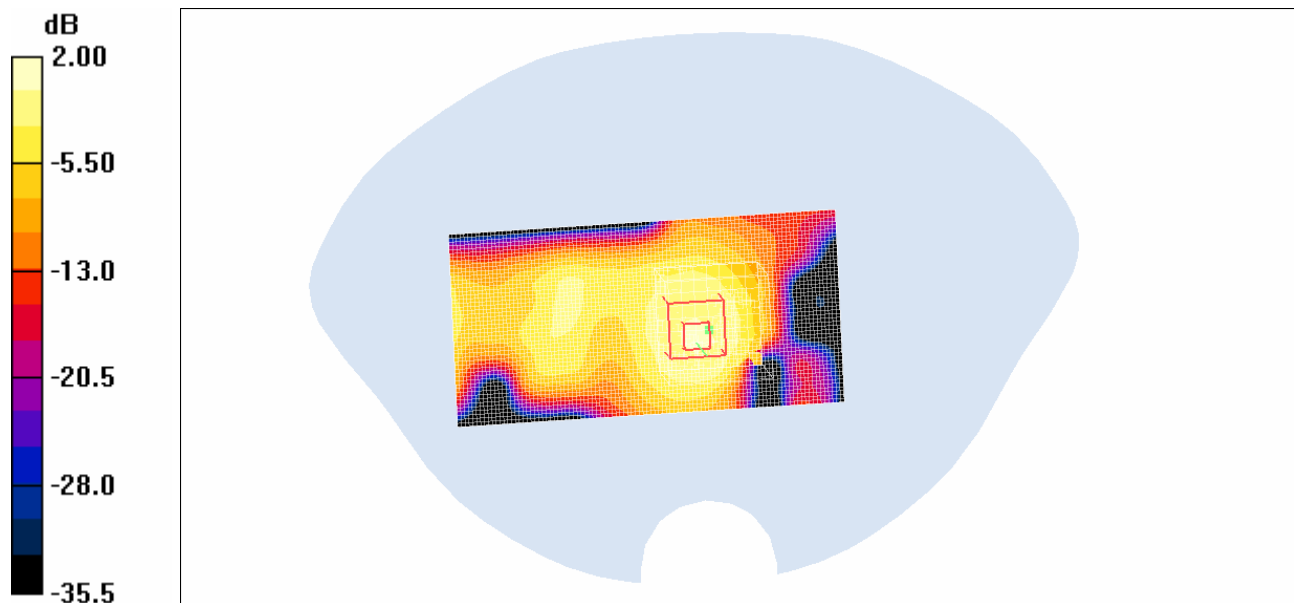Maximum value of SAR (interpolated) = 0.091 mW/g

1.5cm Body position(PHT200)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.34 V/m; Power Drift = -0.159 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.082 mW/g

0 dB = 0.082mW/g

Plot #21