

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz AMPS Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 AMPS Right (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard/Area Scan (61x91x1):

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

Reference Value = 10.9 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 1.44 mW/g

Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube

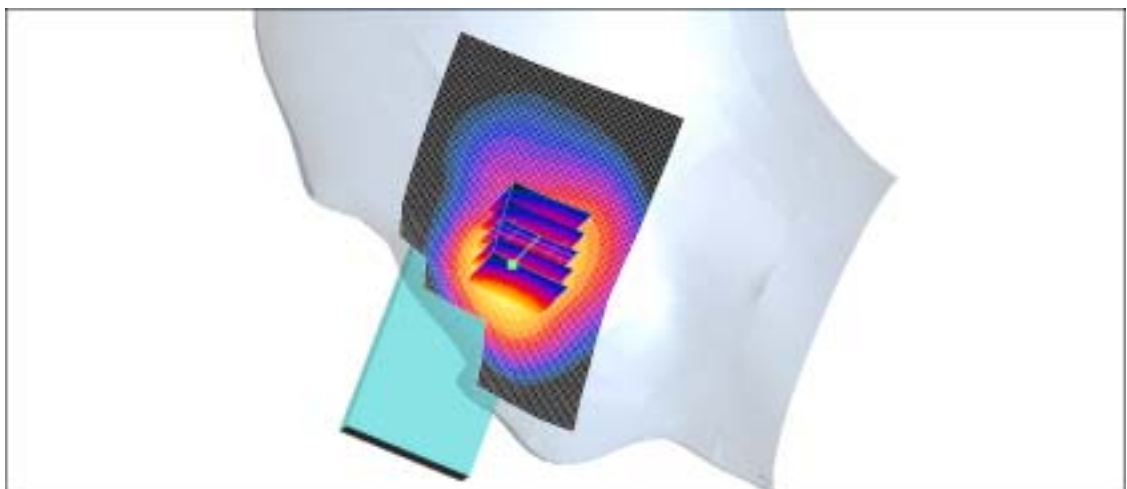
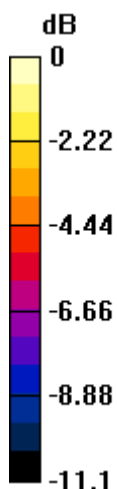
0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.9 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.41 mW/g

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.28 mW/g



0 dB = 1.41mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz AMPS Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 AMPS Right (Job No.: FB-033)

Procedure Name: Ear/Tilt, Ch.0383, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0383, Ant.Out, Bat.Standard/Area Scan (61x91x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 9.55 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.235 mW/g

Ear/Tilt, Ch.0383, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

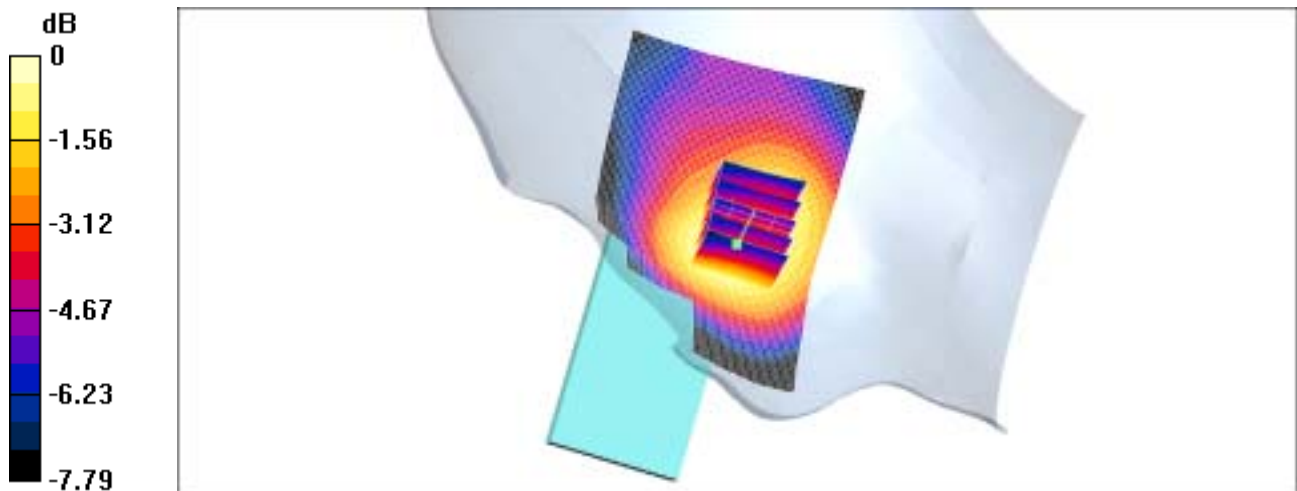
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.55 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.235 mW/g

Peak SAR (extrapolated) = 0.288 W/kg

SAR(1 g) = 0.224 mW/g



0 dB = 0.235 mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz AMPS Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 AMPS Left (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard/Area Scan (61x91x1):

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

Reference Value = 9.63 V/m; Power Drift = 0.0 dB

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

Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube

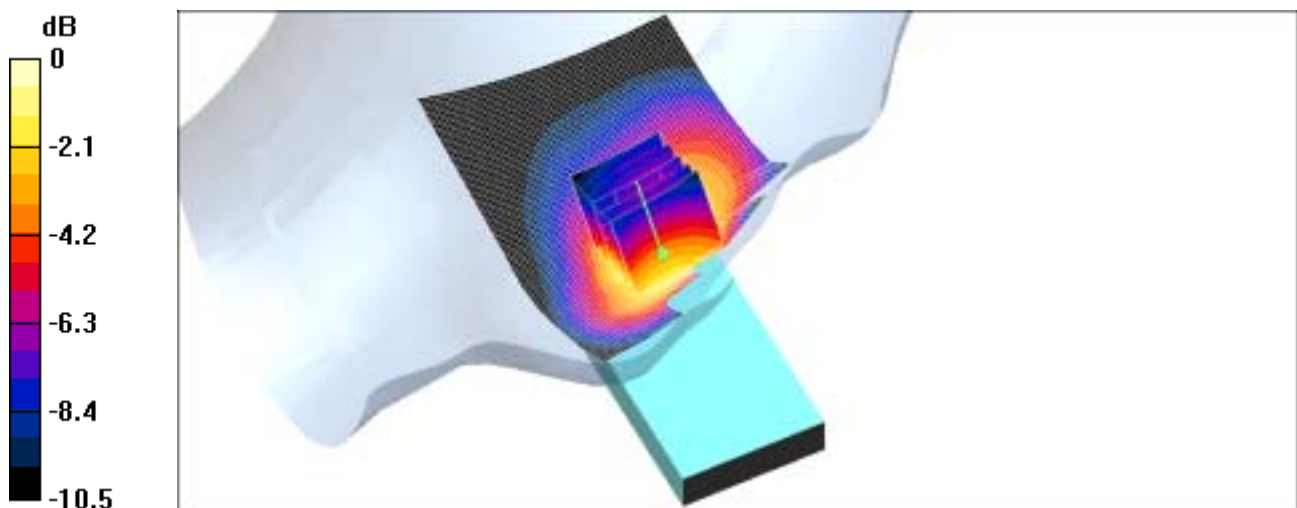
0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.63 V/m; Power Drift = 0.0 dB

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

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 1.03 mW/g



0 dB = 1.06mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz AMPS Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 AMPS Left (Job No.: FB-033)

Procedure Name: Ear/Tilt, Ch.0383, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0383, Ant.Out, Bat.Standard/Area Scan (61x81x1):

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

Reference Value = 8.2 V/m; Power Drift = -0.1 dB

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

Ear/Tilt, Ch.0383, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

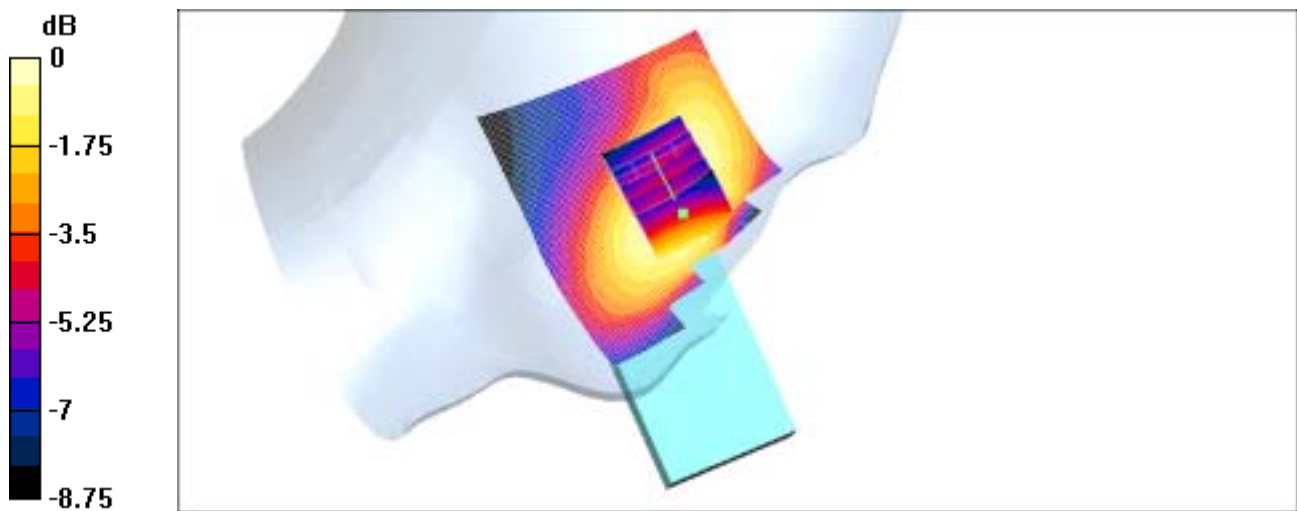
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.203 mW/g

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.202 mW/g



0 dB = 0.203mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 CDMA Right (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard/Area Scan (61x81x1):

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

Reference Value = 10.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.1 mW/g

Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube

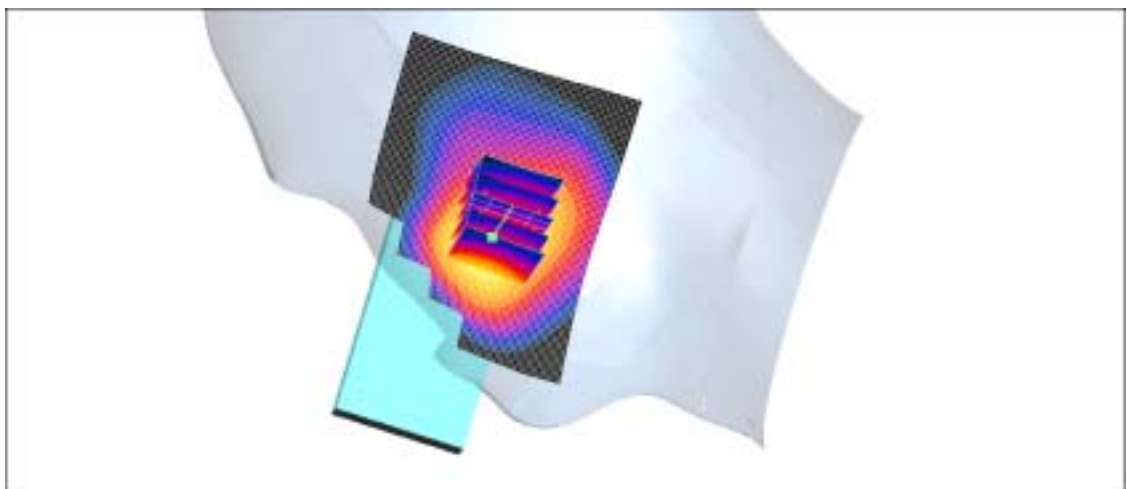
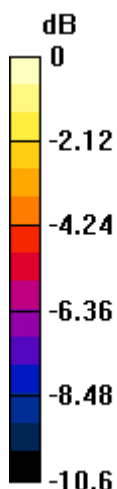
0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.17 mW/g

Peak SAR (extrapolated) = 1.7 W/kg

SAR(1 g) = 1.07 mW/g



0 dB = 1.17mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 CDMA Right (Job No.: FB-033)

Procedure Name: Ear/Tilt, Ch.0363, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0363, Ant.Out, Bat.Standard/Area Scan (51x81x1):

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

Reference Value = 8.99 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.202 mW/g

Ear/Tilt, Ch.0363, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

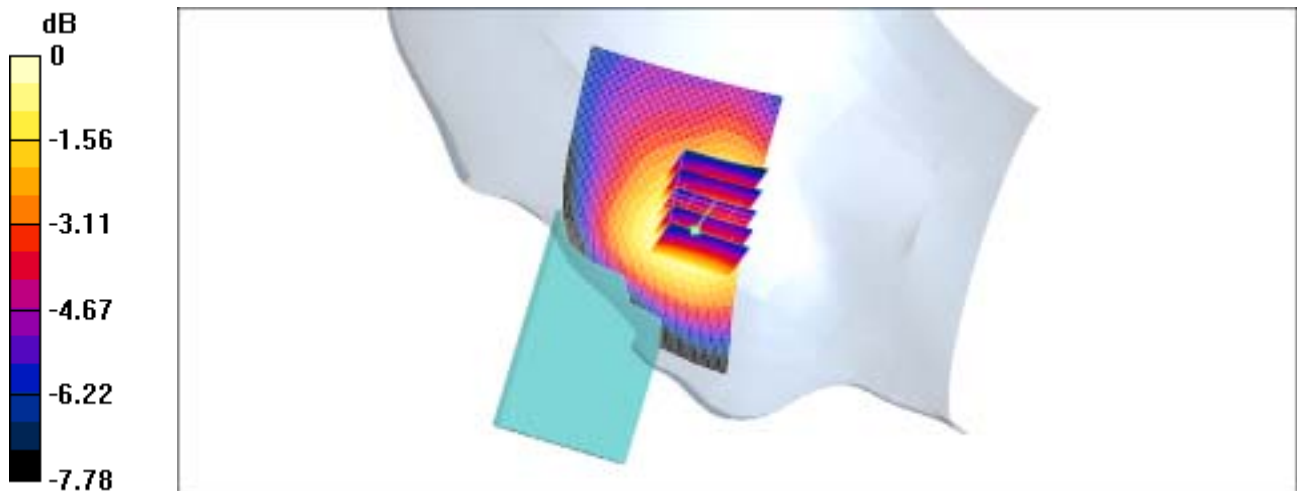
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.99 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.204 mW/g

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.194 mW/g



0 dB = 0.204mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 CDMA Left (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard/Area Scan (61x81x1):

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

Reference Value = 8.69 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.874 mW/g

Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube

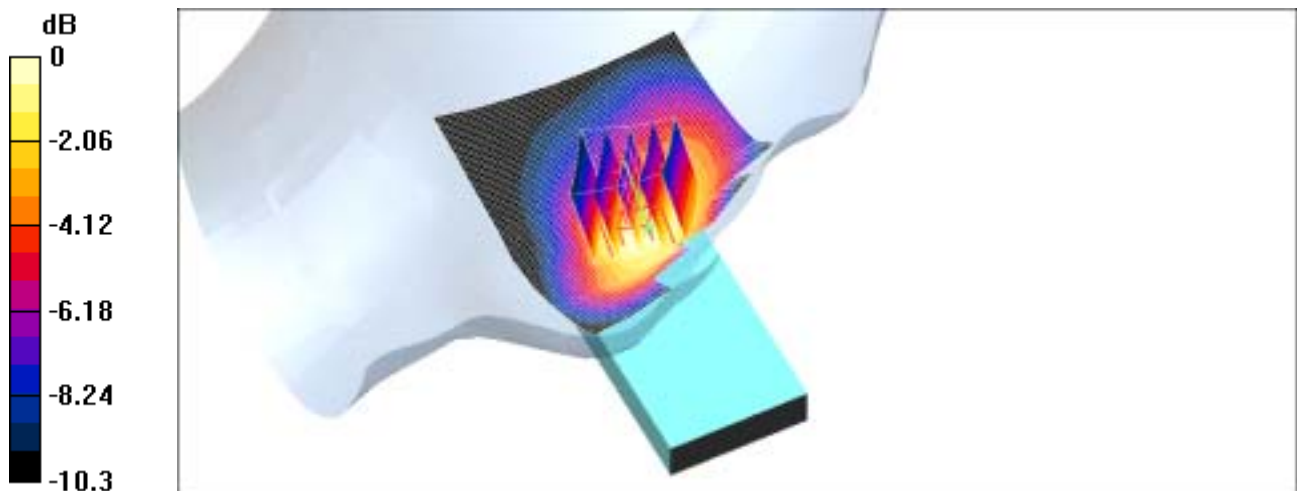
0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.69 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.891 mW/g

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.839 mW/g



0 dB = 0.891mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 CDMA Left (Job No.: FB-033)

Procedure Name: Ear/Tilt, Ch.0363, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0363, Ant.Out, Bat.Standard/Area Scan (61x81x1):

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

Reference Value = 7.83 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.183 mW/g

Ear/Tilt, Ch.0363, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

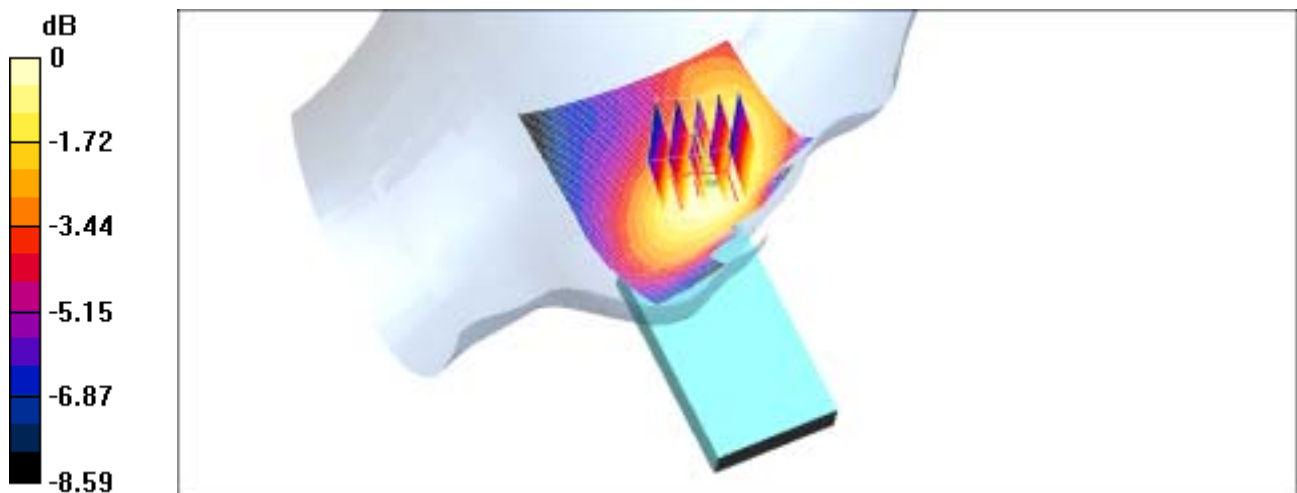
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.83 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.176 mW/g

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.167 mW/g



0 dB = 0.176mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 1900MHz PCS CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 PCS Right (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0600, Ant.In, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-17/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.38$; mho/m, $\epsilon_r = 39.8037$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0600, Ant.In, Bat.Standard/Area Scan (61x81x1):

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

Reference Value = 9.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.11 mW/g

Cheek/Touch, Ch.0600, Ant.In, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

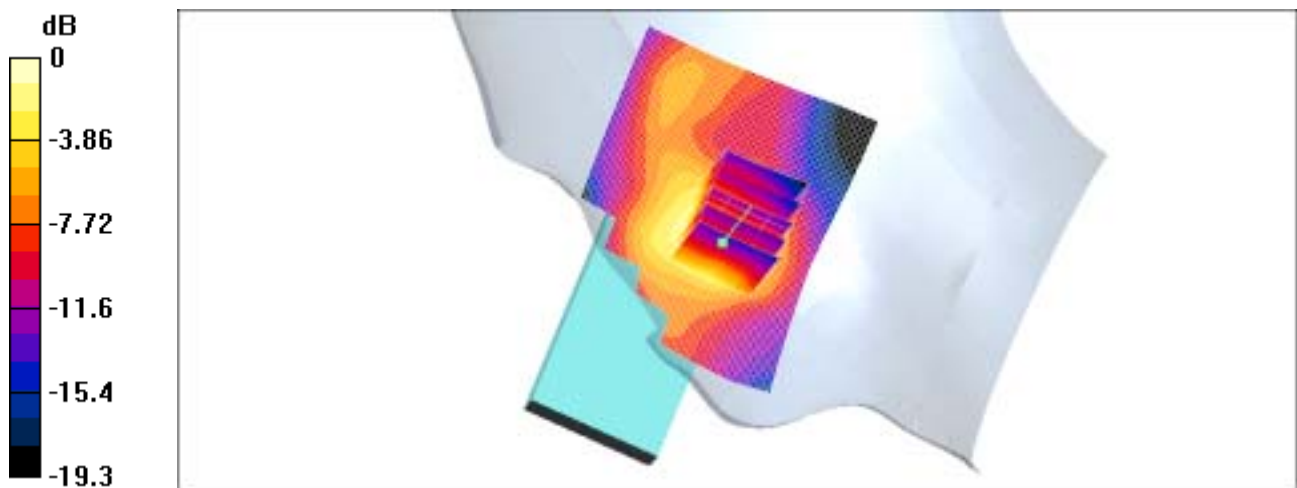
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.18 mW/g

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 1.03 mW/g



0 dB = 1.18mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 1900MHz PCS CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 PCS Right (Job No.: FB-033)

Procedure Name: Ear/Tilt, Ch.0600, Ant.In, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-17/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.38$; mho/m, $\epsilon_r = 39.8037$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0600, Ant.In, Bat.Standard/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.27 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.222 mW/g

Ear/Tilt, Ch.0600, Ant.In, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

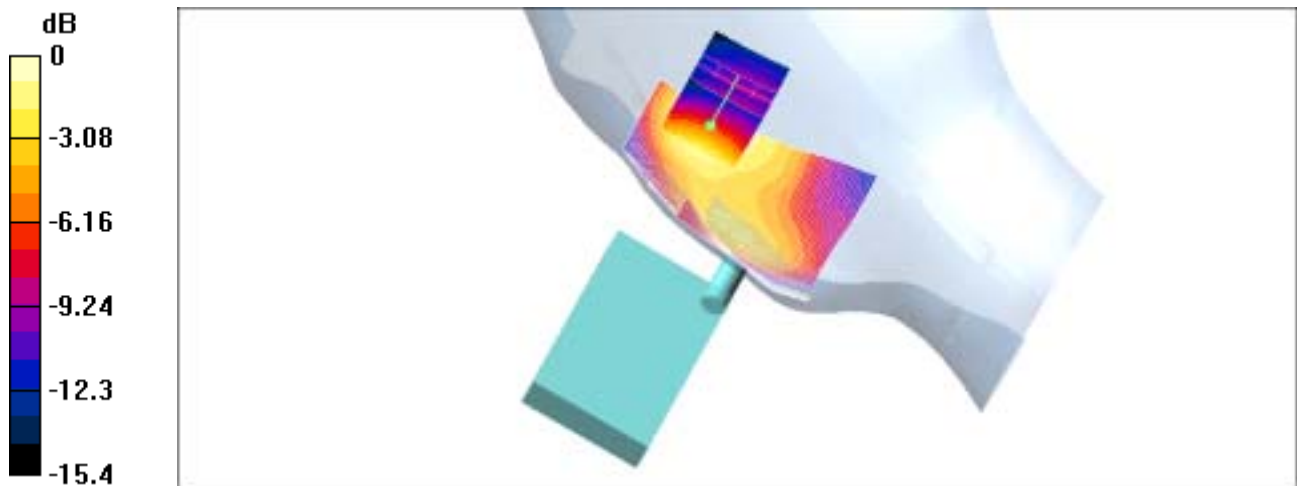
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.27 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.224 mW/g

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.207 mW/g



0 dB = 0.224mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 1900MHz PCS CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 PCS Left (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0600, Ant.In, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-17/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.38$; mho/m, $\epsilon_r = 39.8037$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0600, Ant.In, Bat.Standard/Area Scan (61x81x1):

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

Reference Value = 8.58 V/m; Power Drift = -0.2 dB

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

Cheek/Touch, Ch.0600, Ant.In, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

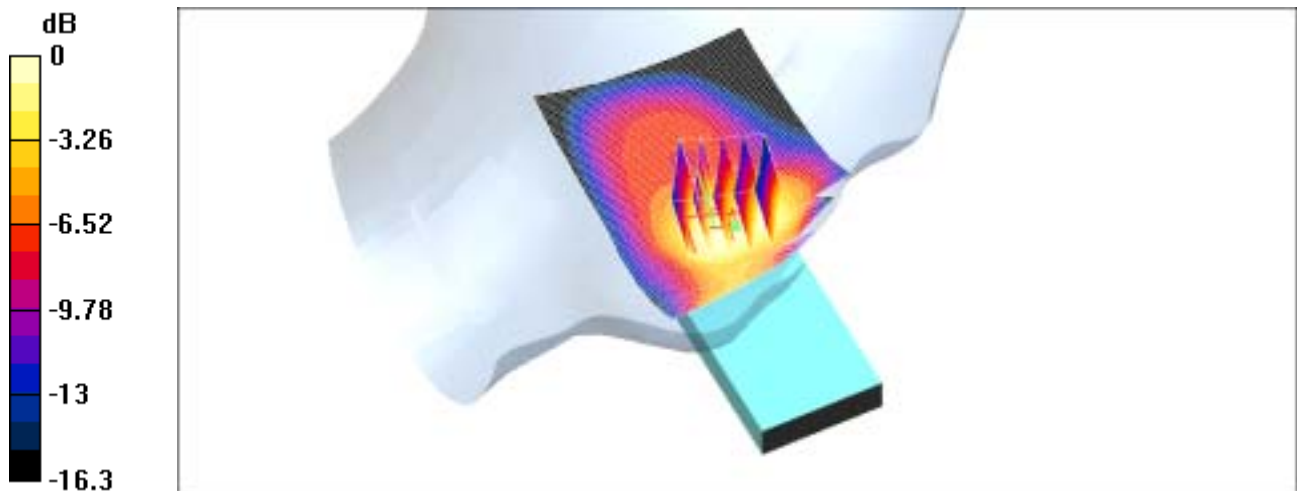
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.58 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.985 mW/g

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.921 mW/g



0 dB = 0.985mW/g

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 PCS Left (Job No.: FB-033)

Procedure Name: Ear/Tilt, Ch.0600, Ant.In, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.2; Test Date-17/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.38$; mho/m, $\epsilon_r = 39.8037$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0600, Ant.In, Bat.Standard/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.42 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.192 mW/g

Ear/Tilt, Ch.0600, Ant.In, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 8.42 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.185 mW/g

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.173 mW/g

Ear/Tilt, Ch.0600, Ant.In, Bat.Standard/Zoom Scan (5x5x7)/Cube 1:

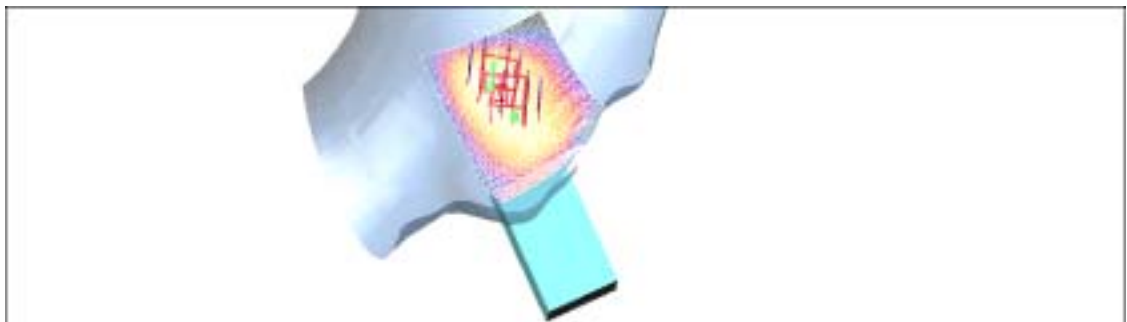
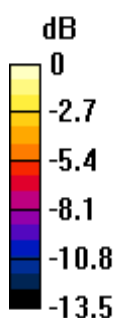
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.42 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.185 mW/g

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.162 mW/g



0 dB = 0.185mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz AMPS Body SAR

DUT: SPH-A700 (Body); Serial: FB-033-A

Program Name: SPH-A700 AMPS Body (Job No. : FB-033)

Procedure Name: Body, Ch.0799, Ant.Out, Bat.Standard

Procedure Notes: Meas. Tissue Temp(celsius)- 21.9; Test Date-17/July/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 848.97 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 848.97 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(6.9, 6.9, 6.9); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.0799, Ant.Out, Bat.Standard/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 31.3 V/m ; Power Drift = 0.004 dB

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

Body, Ch.0799, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

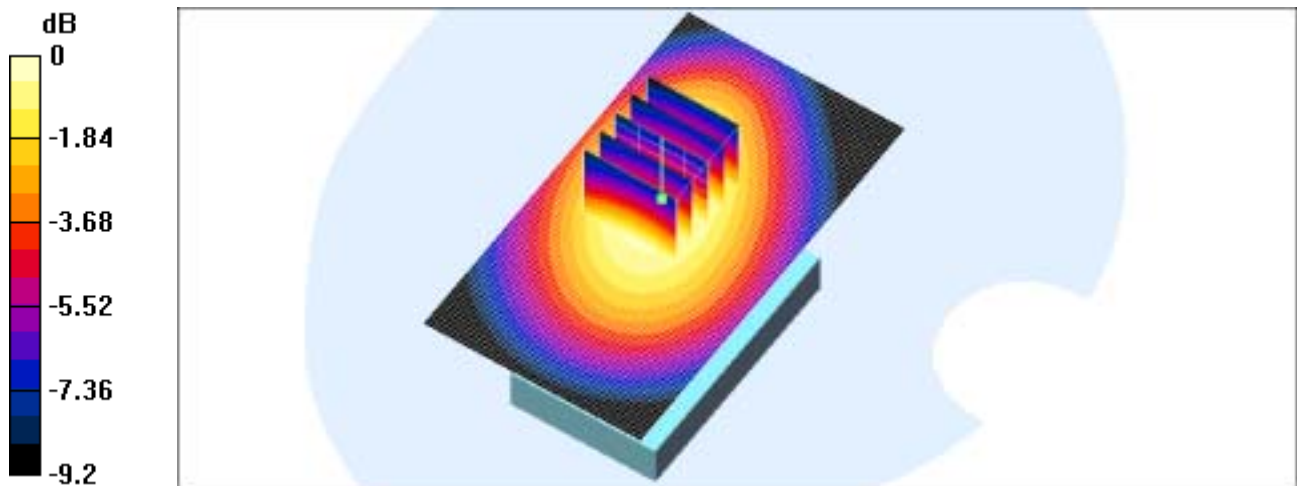
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.3 V/m ; Power Drift = 0.004 dB

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

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.14 mW/g



0 dB = 1.21 mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz CDMA Body SAR

DUT: SPH-A700 (Body); Serial: FB-033-A

Program Name: SPH-A700 CDMA Body (Job No.: FB-033)

Procedure Name: Body, Ch.1013, Ant.Out, Bat.Standard

Procedure Notes: Meas. Tissue Temp(celsius)- 21.9; Test Date-17/July/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(6.9, 6.9, 6.9); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.1013, Ant.Out, Bat.Standard/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 25.6 V/m ; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.830 mW/g

Body, Ch.1013, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

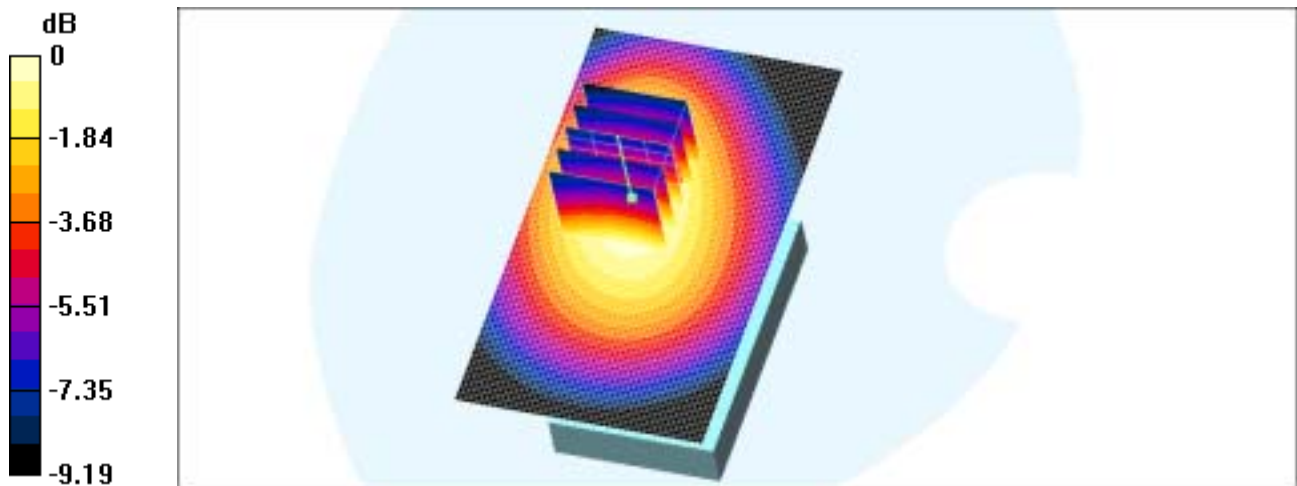
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.6 V/m ; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.830 mW/g

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.778 mW/g



0 dB = 0.830 mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 1900MHz PCS CDMA Body SAR

DUT: SPH-A700(Body); Serial: FB-033-A

Program Name: SPH-A700 PCS Body(Job No.: FB-033)

Procedure Name: Body, Ch.0600, Ant.Out, Bat.Standard

Procedure Notes: Meas. Tissue Temp(celsius)- 21.2;Test Date-17/July/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.52$; mho/m, $\epsilon_r = 51.4041$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.0600, Ant.Out, Bat.Standard/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.3 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.827 mW/g

Body, Ch.0600, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

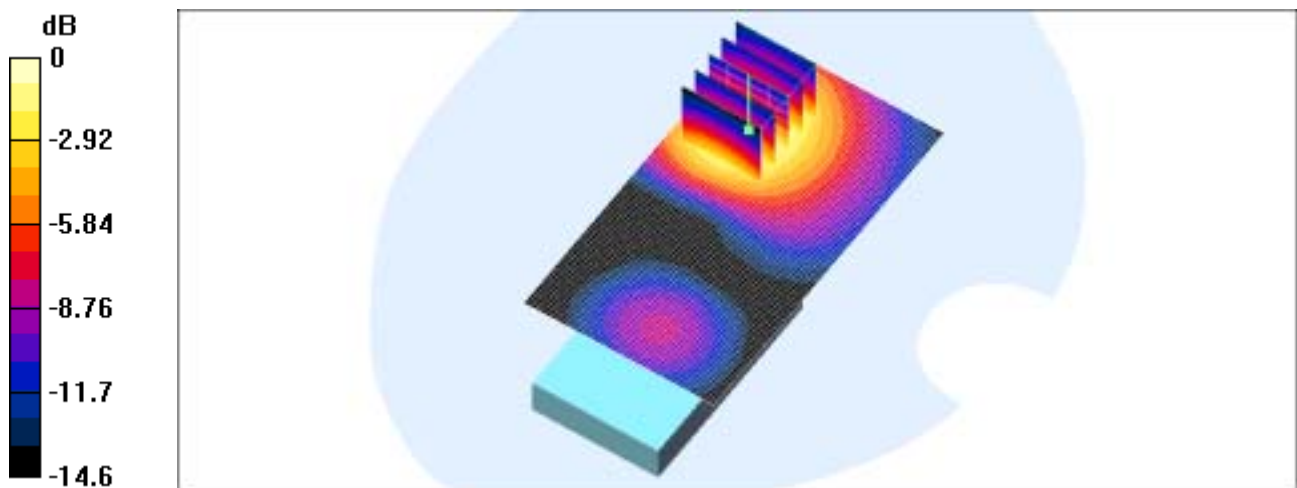
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = -0.2 dB

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

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.734 mW/g



0 dB = 0.802mW/g

SAMSUNG FCC ID : A3LSPHA700 -- 835MHz AMPS Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 AMPS Right (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 836.49 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.49$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard/Area Scan (61x91x1):

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

Reference Value = 10.9 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 1.44 mW/g

Cheek/Touch, Ch.0383, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube

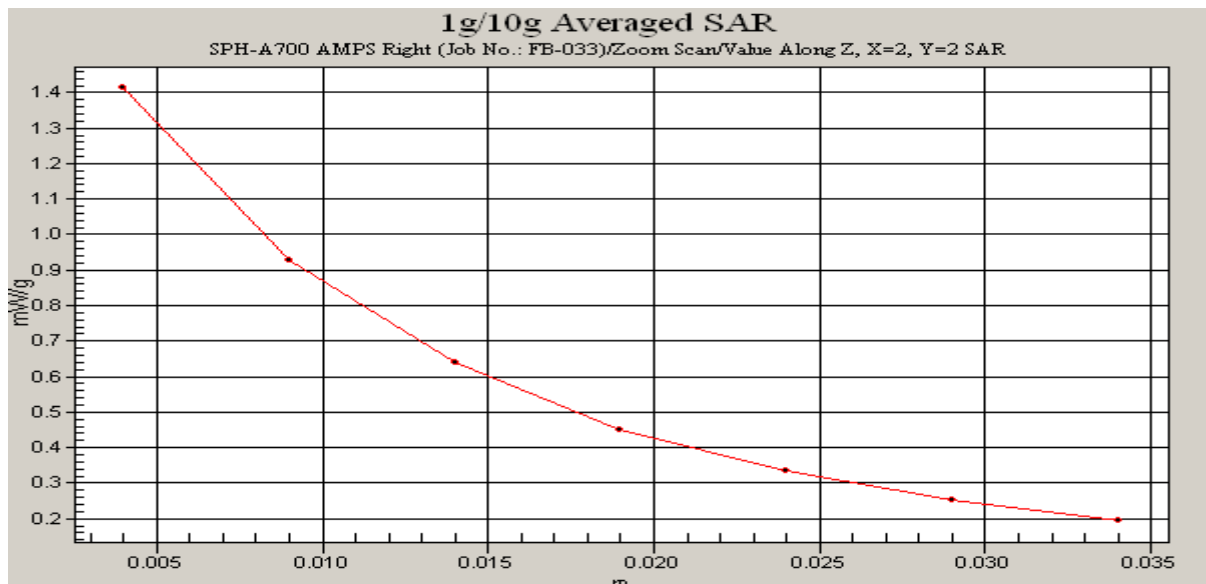
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.41 mW/g

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.28 mW/g



SAMSUNG FCC ID : A3LSPHA700 -- 835MHz CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 CDMA Right (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-15/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 835.89$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard/Area Scan (61x81x1):

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

Reference Value = 10.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.1 mW/g

Cheek/Touch, Ch.0363, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube

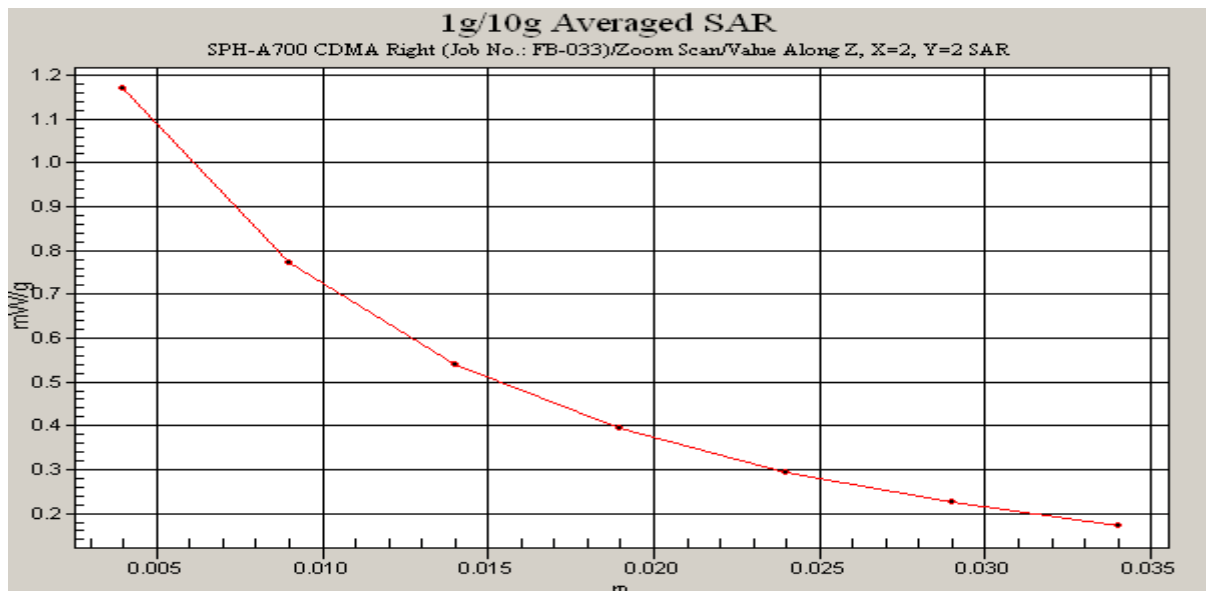
0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.17 mW/g

Peak SAR (extrapolated) = 1.7 W/kg

SAR(1 g) = 1.07 mW/g



SAMSUNG FCC ID : A3LSPHA700 -- 1900MHz PCS CDMA Head SAR

DUT: SPH-A700; Serial: FB-033-A

Program Name: SPH-A700 PCS Right (Job No.: FB-033)

Procedure Name: Cheek/Touch, Ch.0600, Ant.In, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-17/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.38$; mho/m, $\epsilon_r = 39.8037$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0600, Ant.In, Bat.Standard/Area Scan (61x81x1):

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

Reference Value = 9.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.11 mW/g

Cheek/Touch, Ch.0600, Ant.In, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

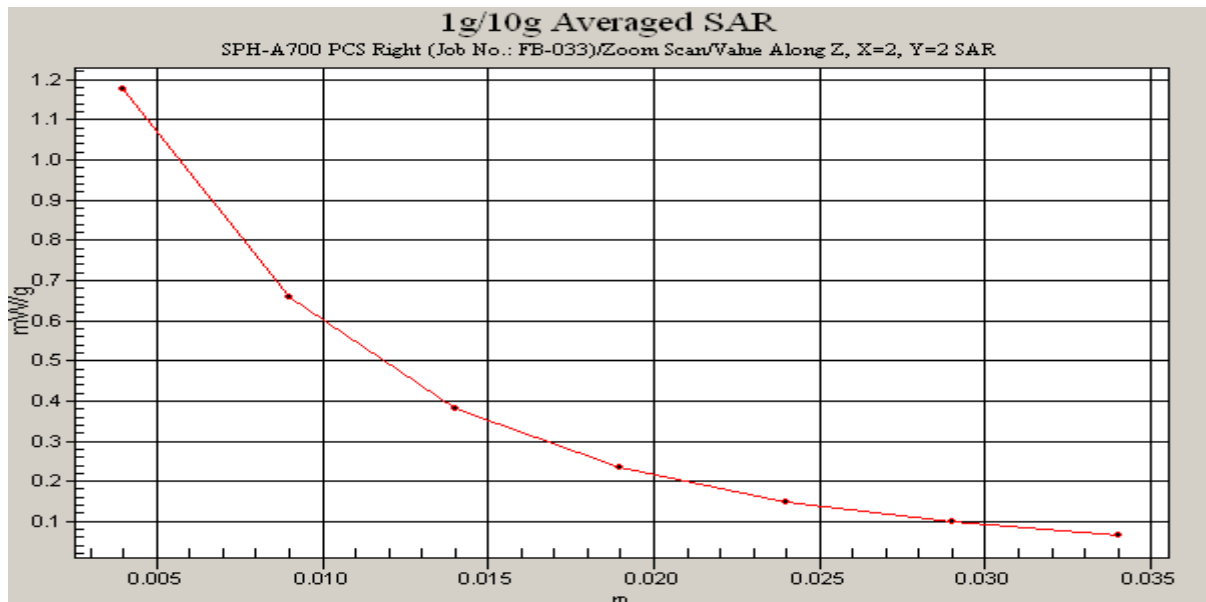
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.18 mW/g

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 1.03 mW/g



SAMSUNG FCC ID : A3LSPHA700 -- 835MHz AMPS Body SAR

DUT: SPH-A700 (Body); Serial: FB-033-A

Program Name: SPH-A700 AMPS Body (Job No. : FB-033)

Procedure Name: Body, Ch.0799, Ant.Out, Bat.Standard

Procedure Notes: Meas. Tissue Temp(celsius)- 21.9; Test Date-17/July/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: AMPS; Frequency: 848.97 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 848.97 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(6.9, 6.9, 6.9); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.0799, Ant.Out, Bat.Standard/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 31.3 V/m ; Power Drift = 0.004 dB

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

Body, Ch.0799, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

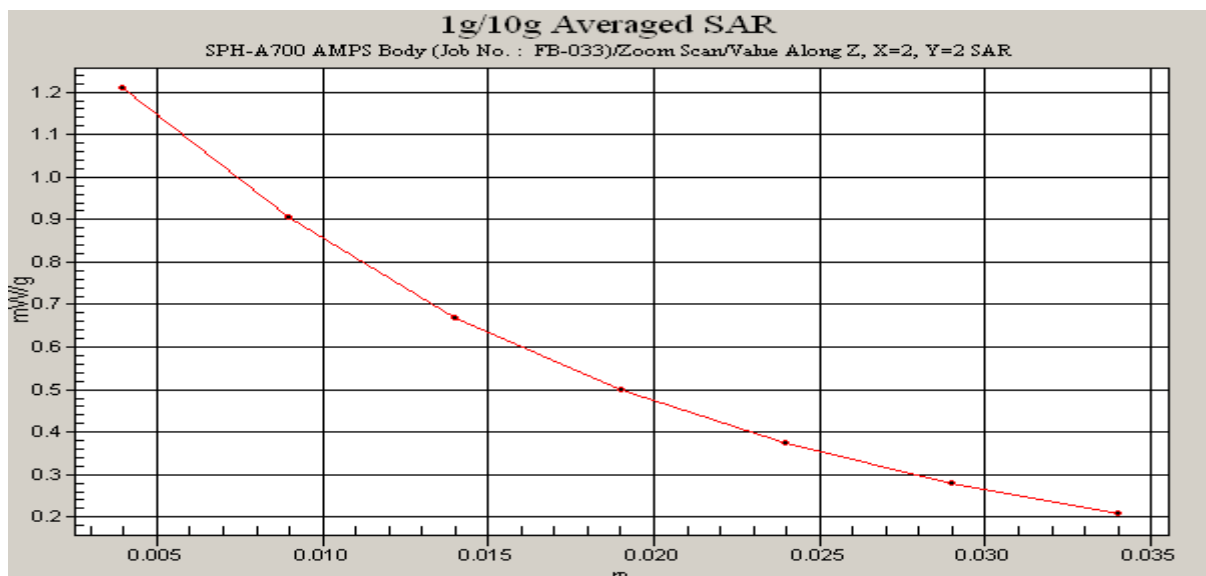
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.3 V/m ; Power Drift = 0.004 dB

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

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.14 mW/g



SAMSUNG FCC ID : A3LSPHA700 -- 835MHz CDMA Body SAR

DUT: SPH-A700 (Body); Serial: FB-033-A

Program Name: SPH-A700 CDMA Body (Job No.: FB-033)

Procedure Name: Body, Ch.1013, Ant.Out, Bat.Standard

Procedure Notes: Meas. Tissue Temp(celsius)- 21.9; Test Date-17/July/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(6.9, 6.9, 6.9); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.1013, Ant.Out, Bat.Standard/Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 25.6 V/m ; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.830 mW/g

Body, Ch.1013, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

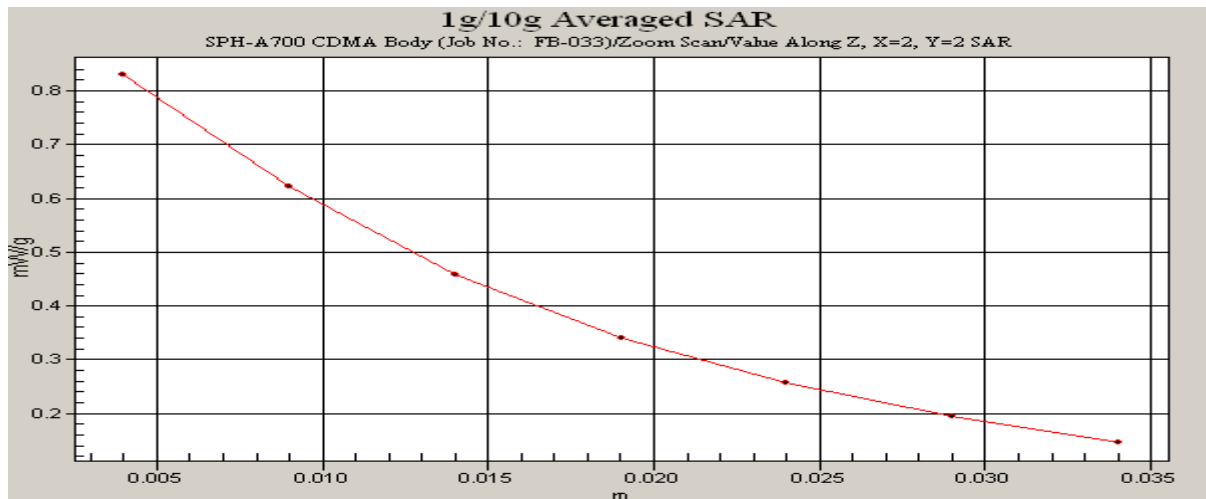
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.6 V/m ; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.830 mW/g

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.778 mW/g



SAMSUNG FCC ID : A3LSPHA700 -- 1900MHz PCS CDMA Body SAR

DUT: SPH-A700(Body); Serial: FB-033-A

Program Name: SPH-A700 PCS Body(Job No.: FB-033)

Procedure Name: Body, Ch.0600, Ant.Out, Bat.Standard

Procedure Notes: Meas. Tissue Temp(celsius)- 21.2; Test Date-17/July/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.52$; mho/m, $\epsilon_r = 51.4041$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.0600, Ant.Out, Bat.Standard/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.3 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.827 mW/g

Body, Ch.0600, Ant.Out, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 11.3 V/m; Power Drift = -0.2 dB

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

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.734 mW/g

