

APPENDIX F

Plots of The SAR Measurements

SAMSUNG FCC ID : A3LSPHM250 1900MHz PCS1900 Head SAR

DUT: SCH-M250; Serial: FD-069-C

Program Name: SPH-M250 PCS Right (Job No. : FD-069)

Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard

Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1; Test Date-26/Apr/2006[OET Bulletin 65-Supplement C, July 2001]

Communication System: PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.824 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:

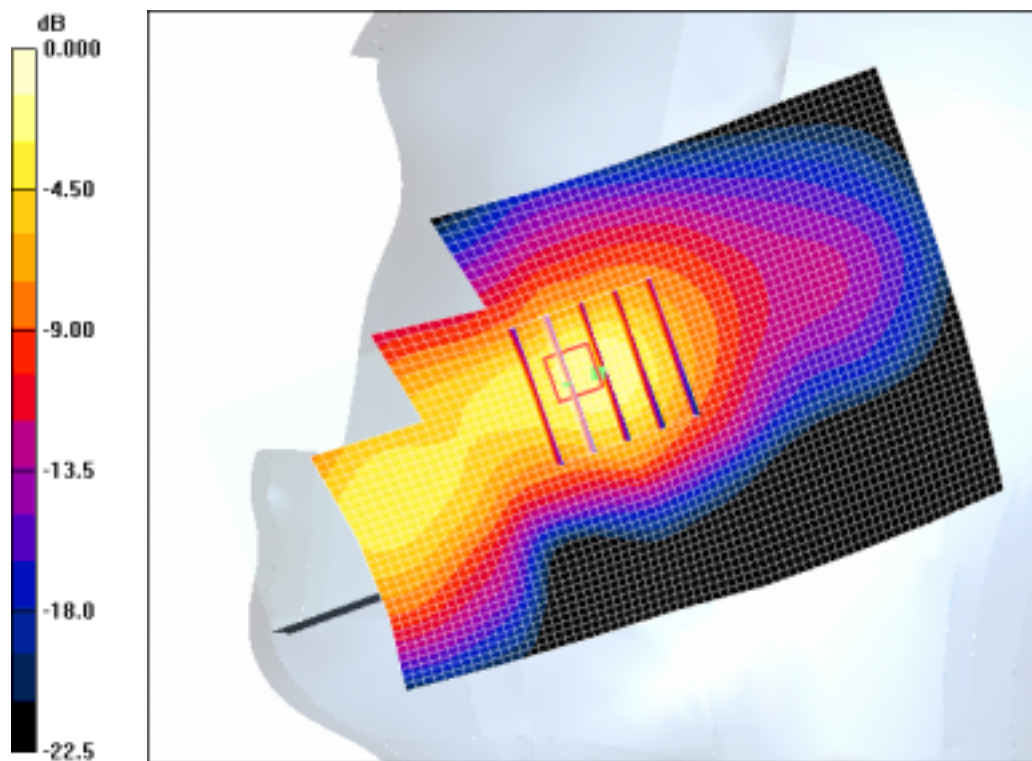
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.03 mW/g

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



0 dB = 1.16mW/g

SAMSUNG FCC ID : A3LSPHM250 1900MHz PCS1900 Head SAR

DUT: SCH-M250; Serial: FD-069-C

Program Name: SPH-M250 PCS Right (Job No. : FD-069)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-22.1; Test Date-26/Apr/2006[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.90 V/m; Power Drift = -0.129 dB

Peak SAR (extrapolated) = 0.131 W/kg

SAR(1 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.093 mW/g

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.095 mW/g



0 dB = 0.095mW/g

SAMSUNG FCC ID : A3LSPHM250 1900MHz PCS1900 Head SAR

DUT: SCH-M250; Serial: FD-069-C

Program Name: SPH-M250 PCS Left (Job No. : FD-069)

Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard

Procedure Notes: Meas. Ambient Temp(celsius)-21; Tissue Temp(celsius)-21.3; Test Date-26/Apr/2006[OET Bulletin 65-Supplement C, July 2001]

Communication System: PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.829 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:

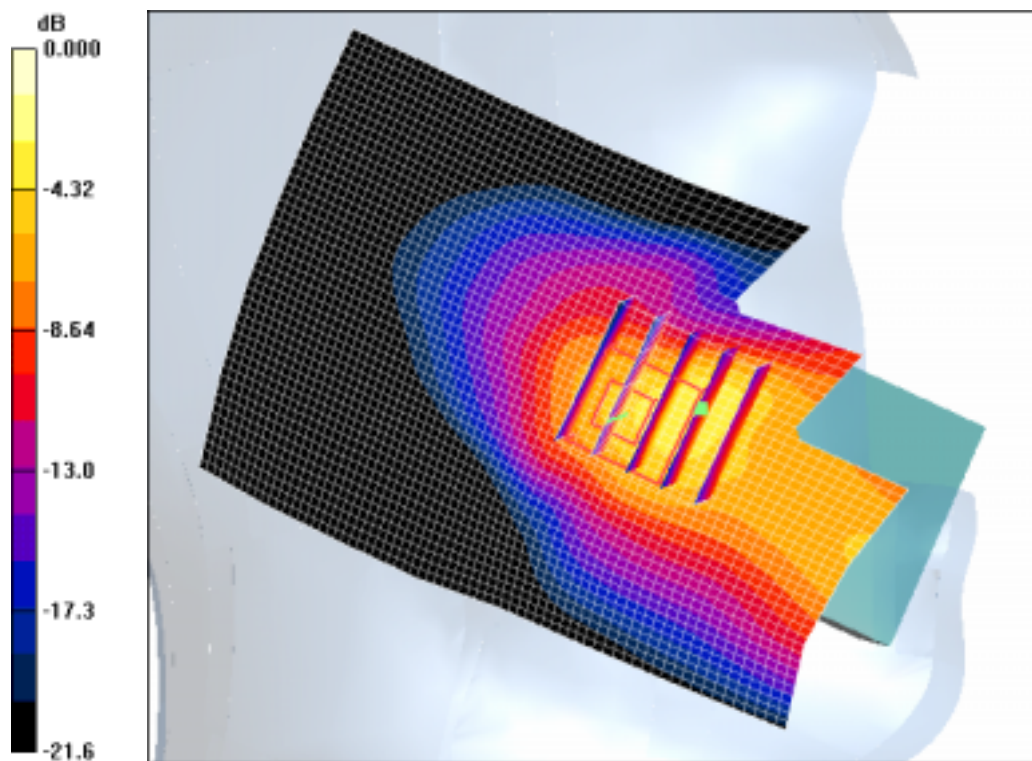
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 1.29 mW/g

Maximum value of SAR (measured) = 1.65 mW/g



0 dB = 1.65mW/g

SAMSUNG FCC ID : A3LSPHM250 1900MHz PCS1900 Head SAR

DUT: SCH-M250; Serial: FD-069-C

Program Name: SPH-M250 PCS Left (Job No. : FD-069)

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

Procedure Notes: Meas. Ambient Temp(celsius)-21; Tissue Temp(celsius)-21.3; Test Date-26/Apr/2006[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.0600, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.102 mW/g

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

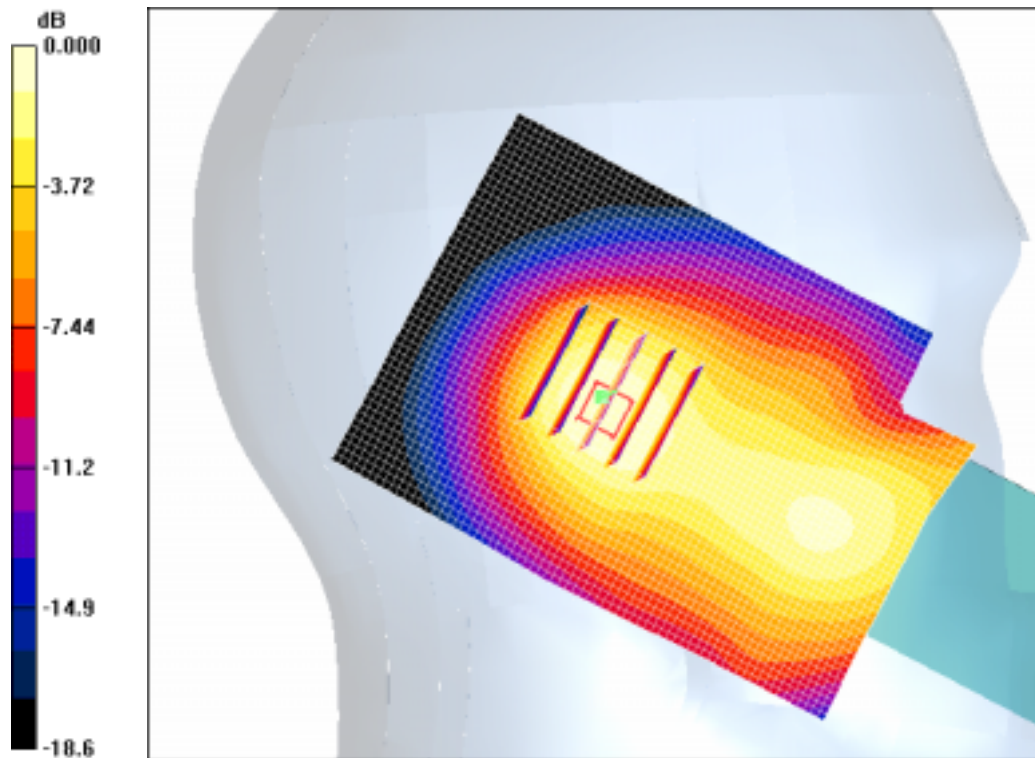
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.77 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.097 mW/g



0 dB = 0.097mW/g

SAMSUNG FCC ID : A3LSPHM250 1900MHz PCS1900 Body SAR

DUT: SCH-M250; Serial: FD-069-C

Program Name: SCH-M250 PCS Body (Job No. : FD-069)

Procedure Name: Body, Ch. 0025, Ant. Intenna, Bat. Standard

Procedure Notes: Meas. Ambient Temp(celsius)-21.0; Tissue Temp(celsius)-21.3; Test Date-26/Apr/2006 OET Bulletin 65-Supplement C, July 2001]

Communication System: PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 0025, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.314 mW/g

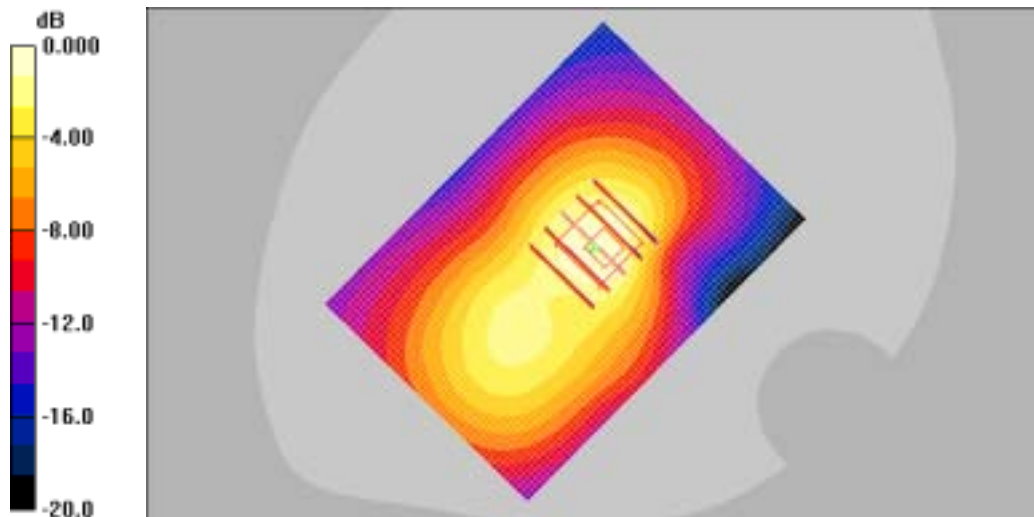
Body, Ch. 0025, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.263 mW/g

Maximum value of SAR (measured) = 0.276 mW/g



0 dB = 0.276mW/g

SAMSUNG FCC ID : A3LSPHM250 1900MHz PCS EV-DO Body SAR

DUT: SCH-M250; Serial: FD-069-C

Program Name: SCH-M250 PCS Body (Job No. : FD-069)

Procedure Name: Body, Ch. 0025, Ant. Intenna, Bat. Standard EV-DO

Procedure Notes: Meas. Ambient Temp(celsius)-21.0; Tissue Temp(celsius)-21.3; Test Date-26/Apr/2006 OET Bulletin 65-Supplement C, July 2001]

Communication System: PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- Sensor - Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 0025, Ant. Intenna, Bat. Standard EV-DO/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 11.5 V/m; Power Drift = -0.135 dB

Peak SAR (extrapolated) = 0.386 W/kg

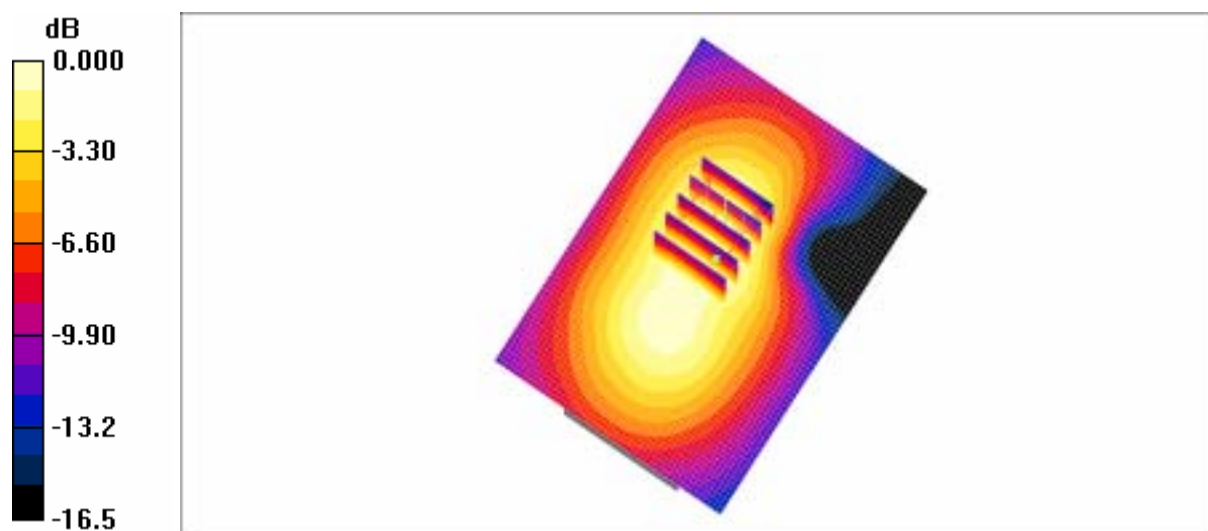
SAR(1 g) = 0.251 mW/g

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

Body, Ch. 0025, Ant. Intenna, Bat. Standard EV-DO/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

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



0 dB = 0.268mW/g

SAMSUNG FCC ID : A3LSPHM250 1900MHz PCS1900 Head SAR

DUT: SCH-M250; Serial: FD-069-C

Program Name: SPH-M250 PCS Left (Job No. : FD-069)

Procedure Name: Cheek/Touch, Ch.0025, Intenna, Bat. Standard

Procedure Notes: Meas. Ambient Temp(celsius) - 22.3; Tissue Temp(celsius) - 22.1; Test Date - 26/Apr/2006 [OET Bulletin 65 - Supplement C, July 2001]

Communication System: PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.829 mW/g

Cheek/Touch, Ch.0025, Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:

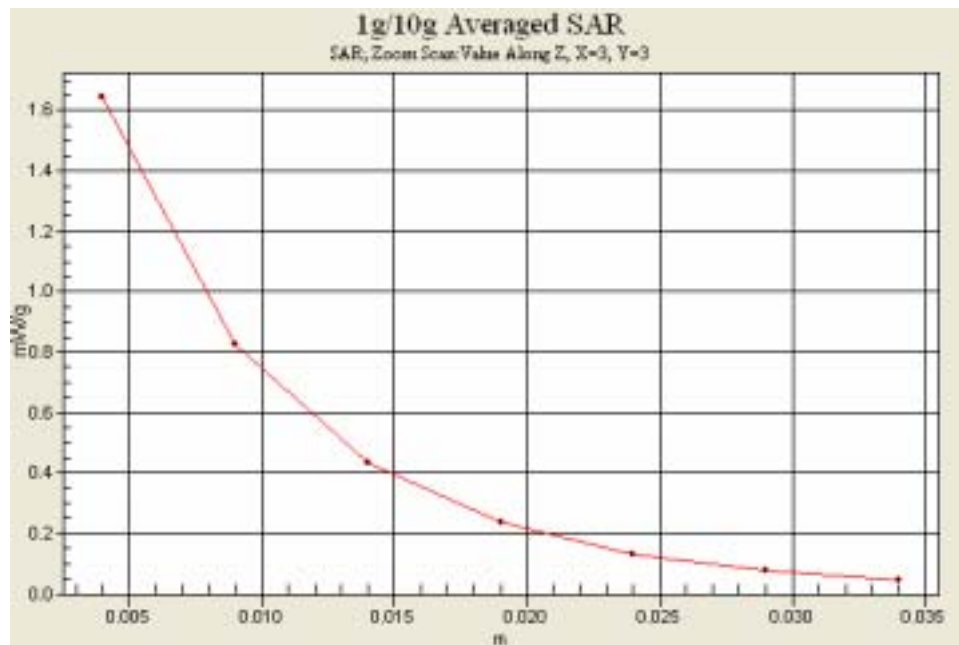
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 1.29 mW/g

Maximum value of SAR (measured) = 1.65 mW/g



SAMSUNG FCC ID : A3LSPHM250 1900MHz PCS 1900 Body SAR

DUT: SCH-M250; Serial: FD-069-C

Program Name: SCH-M250 PCS Body (Job No. : FD-069)

Procedure Name: Body, Ch. 0025, Ant. Intenna, Bat. Standard

Procedure Notes: Meas. Ambient Temp(celsius)-21.0; Tissue Temp(celsius)-21.3; Test Date-26/Apr/2006 OET Bulletin 65-Supplement C, July 2001]

Communication System: PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch. 0025, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.314 mW/g

Body, Ch. 0025, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.263 mW/g

Maximum value of SAR (measured) = 0.276 mW/g

