

APPENDIX G

Plots of The SAR Measurements

SAMSUNG FCC ID : A3LSCHN500 835MHz CDMA Head SAR

DUT: SCH-N500; Serial: FC-085-A

Program Name: SCH-N500 CDMA Right(Job No. : FC-085)

Procedure Name: Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-16/Jun/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.33, 6.33, 6.33); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.25 mW/g

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

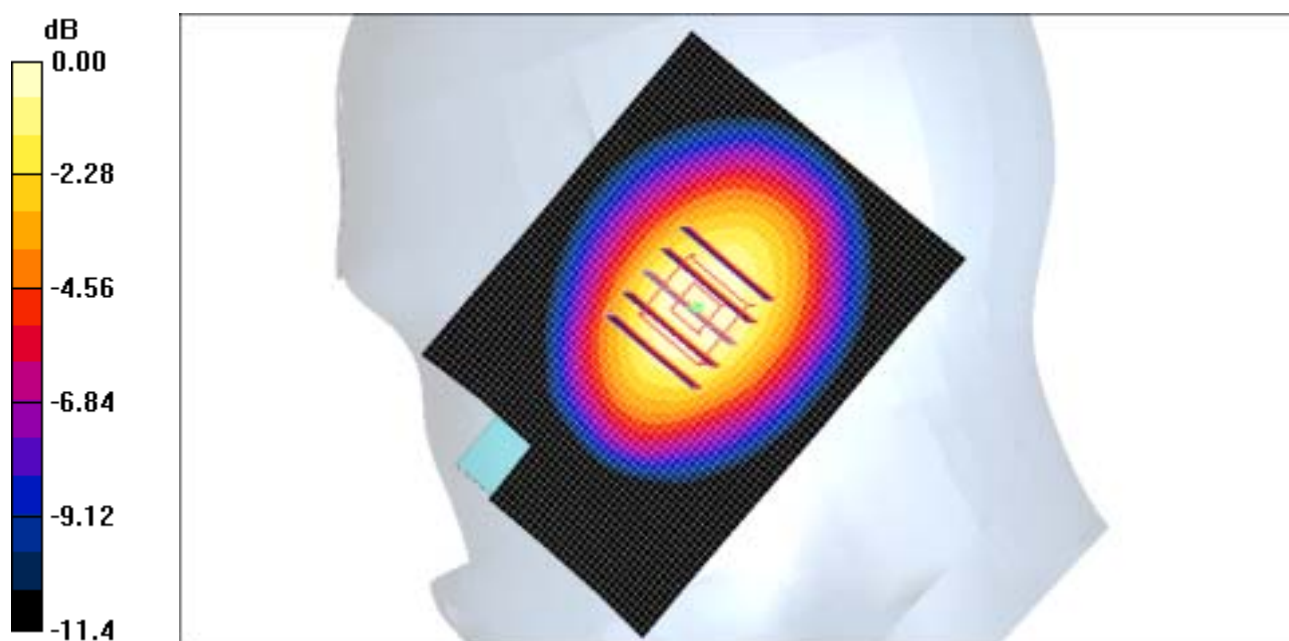
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.4 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 1.11 mW/g

Maximum value of SAR (measured) = 1.19 mW/g



0 dB = 1.19mW/g

SAMSUNG FCC ID : A3LSCHN500 835MHz CDMA Head SAR

DUT: SCH-N500; Serial: FC-085-A

Program Name: SCH-N500 CDMA Right(Job No. : FC-085)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-16/Jun/2005[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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.33, 6.33, 6.33); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 23.6 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.828 W/kg

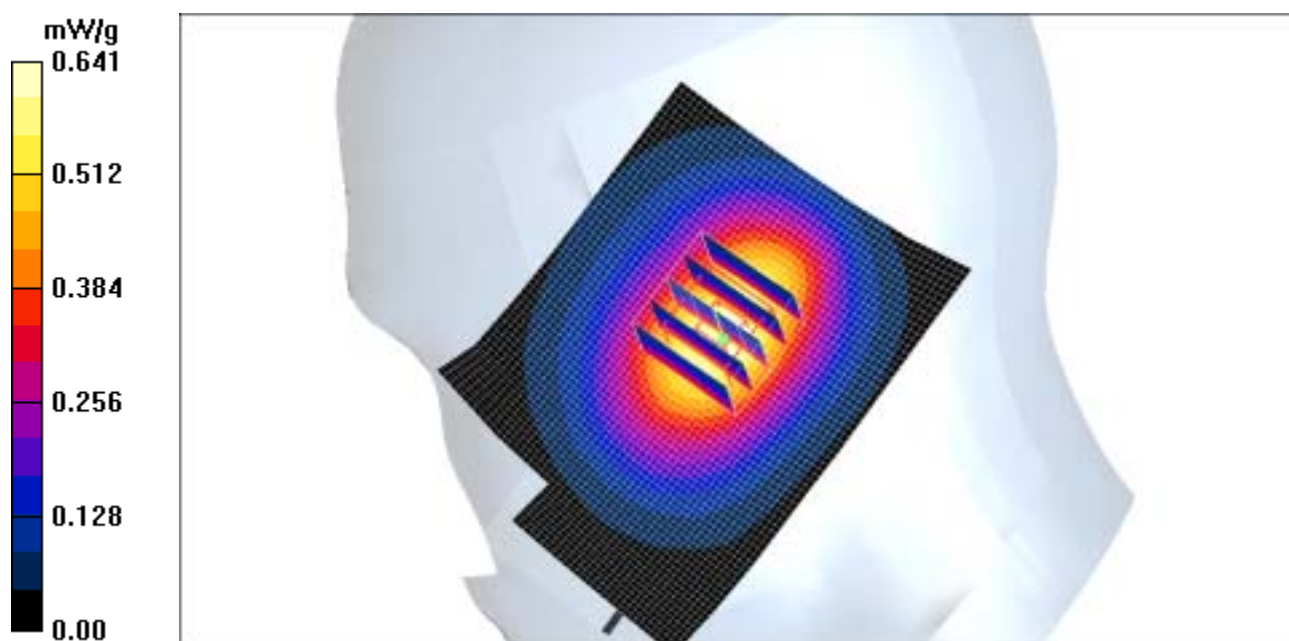
SAR(1 g) = 0.594 mW/g

Maximum value of SAR (measured) = 0.630 mW/g

Ear/Tilt, Ch.0363, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

$dx=20$ mm, $dy=20$ mm

Maximum value of SAR (interpolated) = 0.641 mW/g



SAMSUNG FCC ID : A3LSCHN500 835MHz CDMA Head SAR

DUT: SCH-N500; Serial: FC-085-A

Program Name: SCH-N500 CDMA Left(Job No. : FC-085)

Procedure Name: Cheek/Touch, Ch.0777, Ant.Intenna, Bat. Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-16/Jun/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.33, 6.33, 6.33); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0777, Ant.Intenna, Bat. Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.25 mW/g

Cheek/Touch, Ch.0777, Ant.Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:

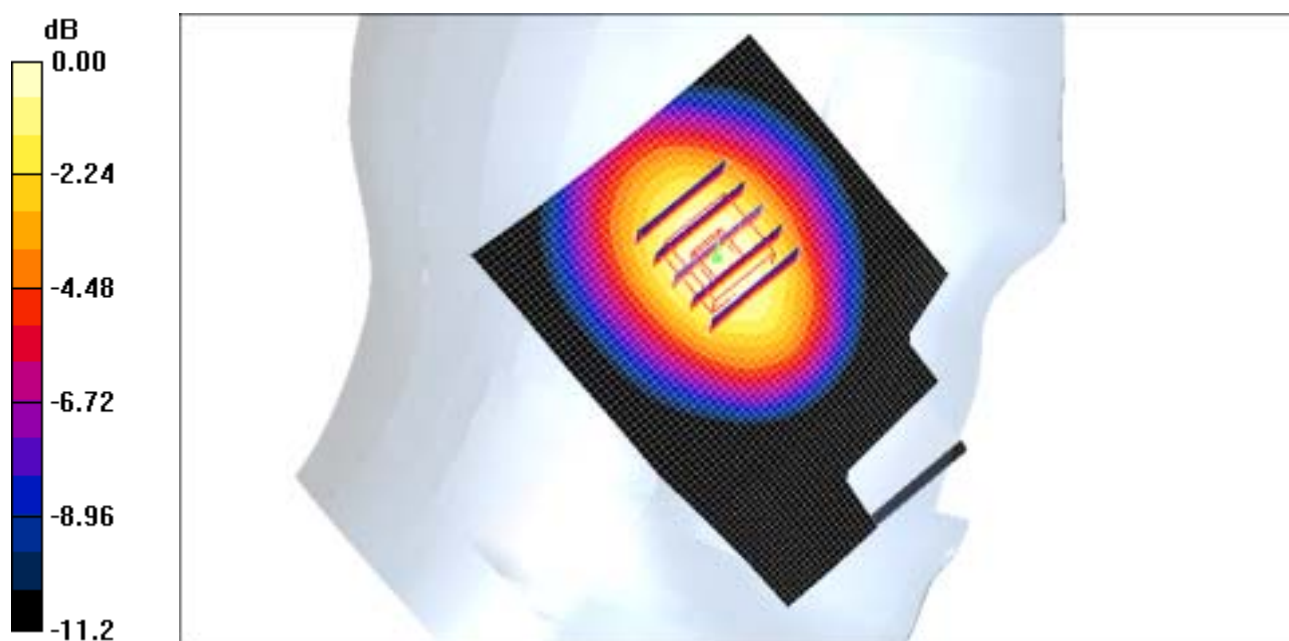
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.0 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.09 mW/g

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



SAMSUNG FCC ID : A3LSCHN500 835MHz CDMA Head SAR

DUT: SCH-N500; Serial: FC-085-A

Program Name: SCH-N500 CDMA Left(Job No. : FC-085)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-16/Jun/2005[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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.33, 6.33, 6.33); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 24.5 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 0.789 W/kg

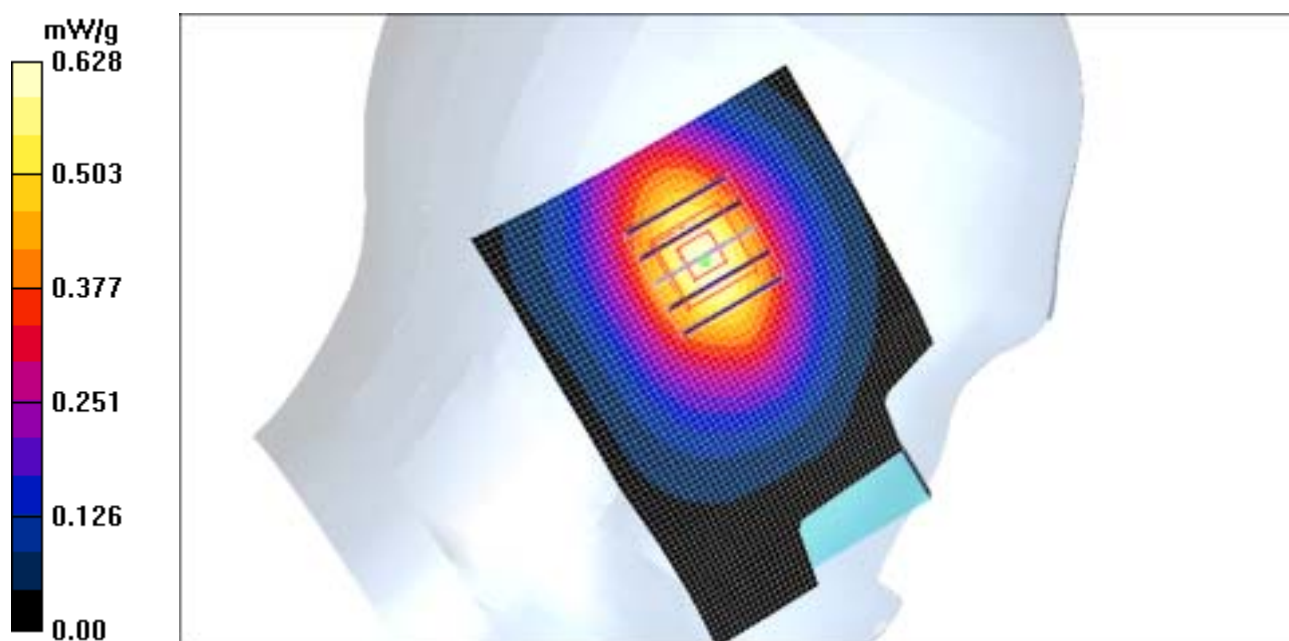
SAR(1 g) = 0.570 mW/g

Maximum value of SAR (measured) = 0.607 mW/g

Ear/Tilt, Ch.0363, Ant.Intenna, Bat. Standard/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.628 mW/g



SAMSUNG FCC ID : A3LSCHN500 835MHz CDMA Head SAR

DUT: SCH-N500; Serial: FC-085-A

Program Name: SCH-N500 CDMA Body (Job No. : FC-085)

Procedure Name: Body, Ch. 0363, Ant. Intenna, Bat. Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-16/Jun/2005[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; $\sigma = 0.95$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.28, 6.28, 6.28); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 0363, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 21.9 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 1.40 W/kg

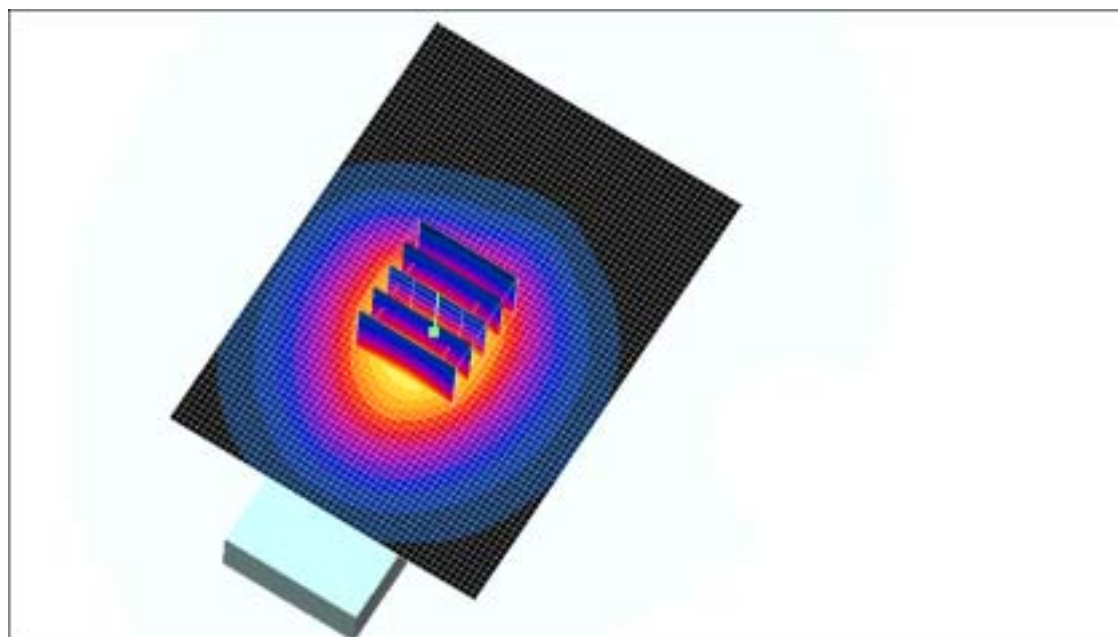
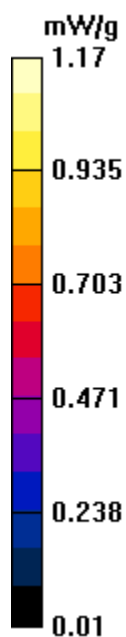
SAR(1 g) = 1.06 mW/g

Maximum value of SAR (measured) = 1.12 mW/g

Body, Ch. 0363, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

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



SAMSUNG FCC ID : A3LSCHN500 835MHz CDMA Head SAR

DUT: SCH-N500; Serial: FC-085-A

Program Name: SCH-N500 CDMA Right(Job No. : FC-085)

Procedure Name: Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-16/Jun/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.33, 6.33, 6.33); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.25 mW/g

Cheek/Touch, Ch.0777, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

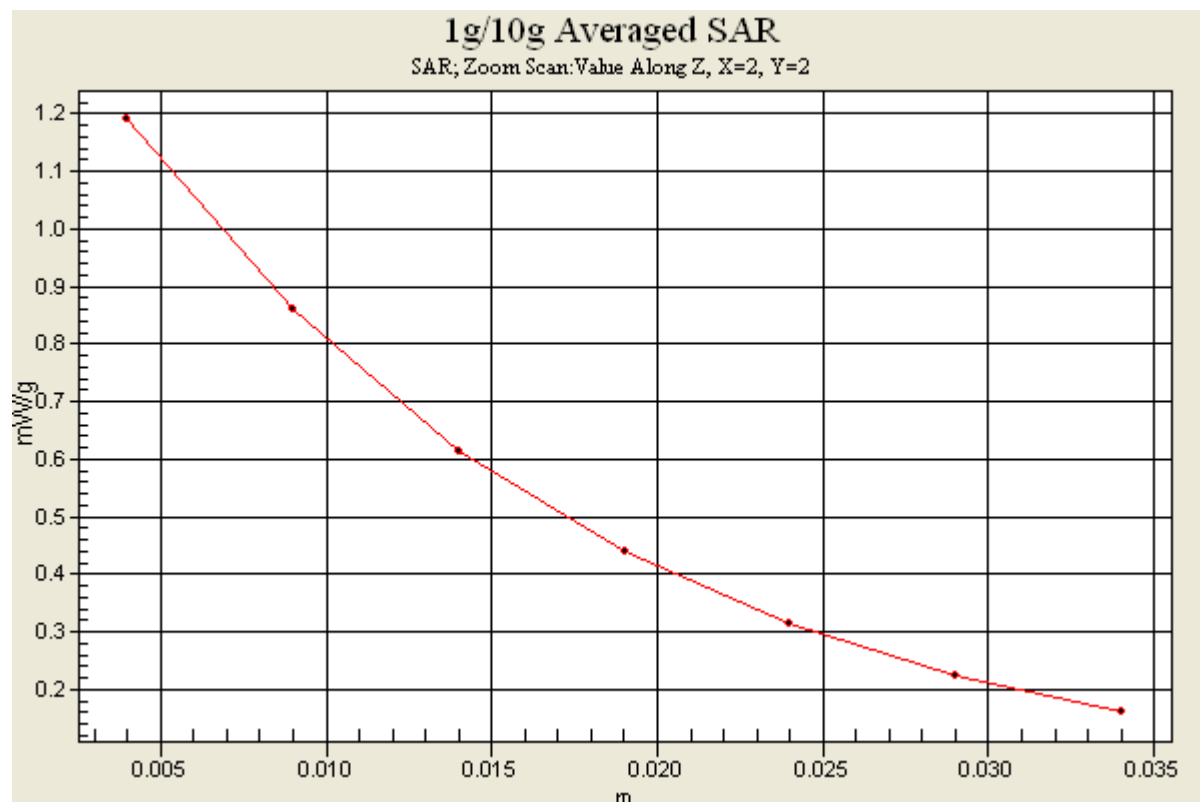
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.4 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 1.11 mW/g

Maximum value of SAR (measured) = 1.19 mW/g



SAMSUNG FCC ID : A3LSCHN500 835MHz CDMA Head SAR

DUT: SCH-N500; Serial: FC-085-A

Program Name: SCH-N500 CDMA Body (Job No. : FC-085)

Procedure Name: Body, Ch. 0363, Ant. Intenna, Bat. Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-16/Jun/2005[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; $\sigma = 0.95$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.28, 6.28, 6.28); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn533; Calibrated: 2004-12-03
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch. 0363, Ant. Intenna, Bat. Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 21.9 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 1.06 mW/g

Maximum value of SAR (measured) = 1.12 mW/g

Body, Ch. 0363, Ant. Intenna, Bat. Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

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

