

# SAMSUNG FCC ID : A3LSCHX659 -- 835 MHz CDMA Head SAR

DUT: SCH-X659;Serial: FB-014-I

Program Name: SCH-X659 CDMA Right (Job. No: FB-014)

Procedure Name: Cheek, Ch.0363, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4;Test Date-31/Mar/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium: Head 835 MHzMedium parameters used:  $f = 835.89$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); ; Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 37;

**Cheek, Ch.0363, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 29.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.817 mW/g

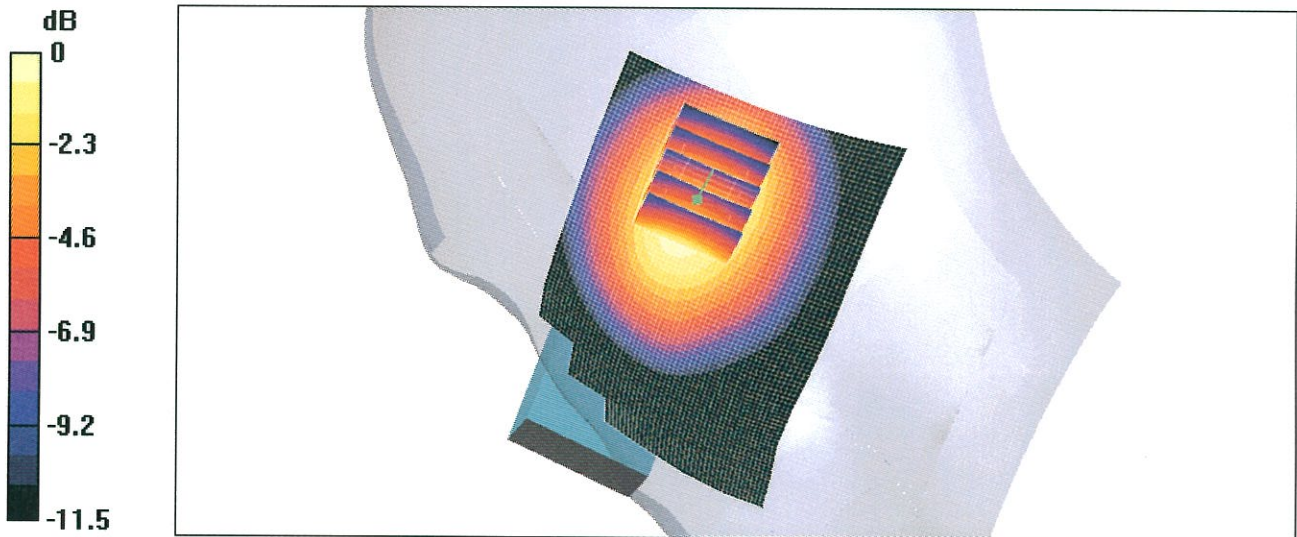
**Cheek, Ch.0363, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.803 mW/g

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.757 mW/g



0 dB = 0.803mW/g

Test Laboratory: SAMSUNG Electronics

# SAMSUNG FCC ID : A3LSCHX659 -- 835 MHz CDMA Head SAR

DUT: SCH-X659;Serial: FB-014-I

Program Name: SCH-X659 CDMA Right (Job. No: FB-014)

Procedure Name: Tilt, Ch.0363, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4;Test Date-31/Mar/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium: Head 835 MHzMedium parameters used:  $f = 835.89$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); ; Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 37;

**Tilt, Ch.0363, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 29.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.812 mW/g

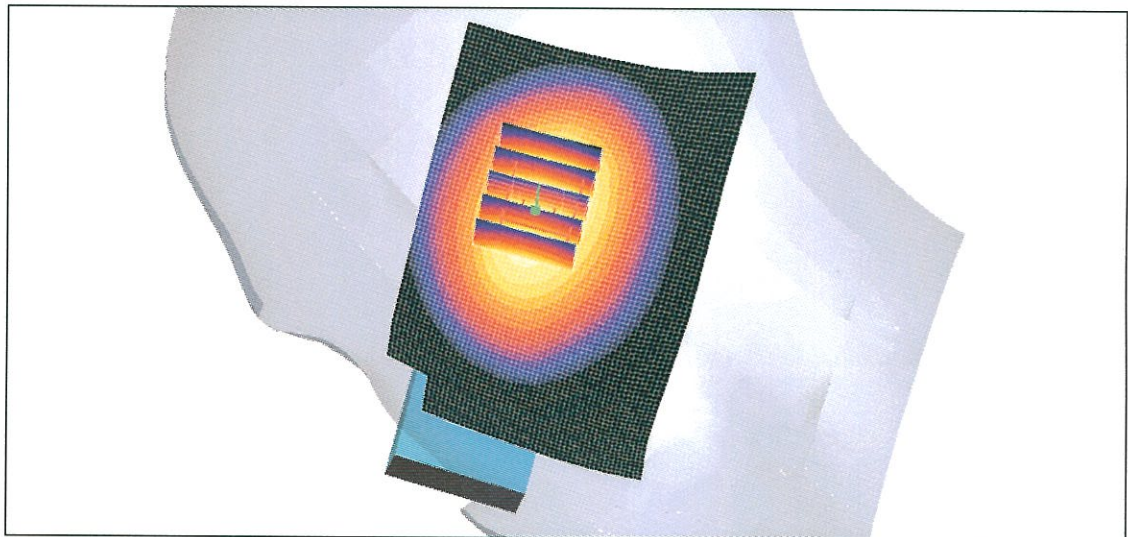
**Tilt, Ch.0363, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.797 mW/g

Peak SAR (extrapolated) = 0.997 W/kg

**SAR(1 g) = 0.746 mW/g**



0 dB = 0.797mW/g

Test Laboratory: SAMSUNG Electronics

# SAMSUNG FCC ID : A3LSCHX659 -- 835 MHz CDMA Head SAR

DUT: SCH-X659;Serial: FB-014-I

Program Name: SCH-X659 CDMA Left( Job.No: FB-014)

Procedure Name: Cheek, Ch.363, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4;Test Date-31/Mar/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium: Head 835 MHzMedium parameters used:  $f = 835.89$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); ; Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 37;

**Cheek, Ch.363, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 28.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.825 mW/g

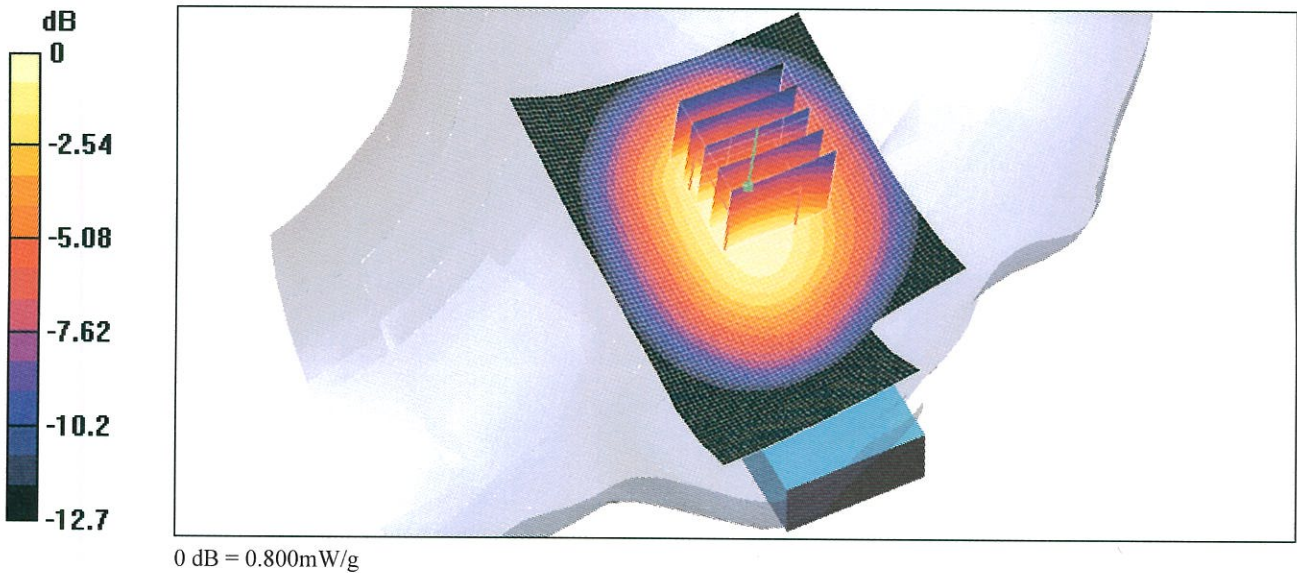
**Cheek, Ch.363, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.800 mW/g

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.758 mW/g



Test Laboratory: SAMSUNG Electronics

# SAMSUNG FCC ID : A3LSCHX659 -- 835 MHz CDMA Head SAR

DUT: SCH-X659;Serial: FB-014-I

Program Name: SCH-X659 CDMA Left( Job.No: FB-014)

Procedure Name: Tilt, Ch.363, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4;Test Date-31/Mar/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium: Head 835 MHzMedium parameters used:  $f = 835.89$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); ; Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 37;

**Tilt, Ch.363, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 29.8 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.919 mW/g

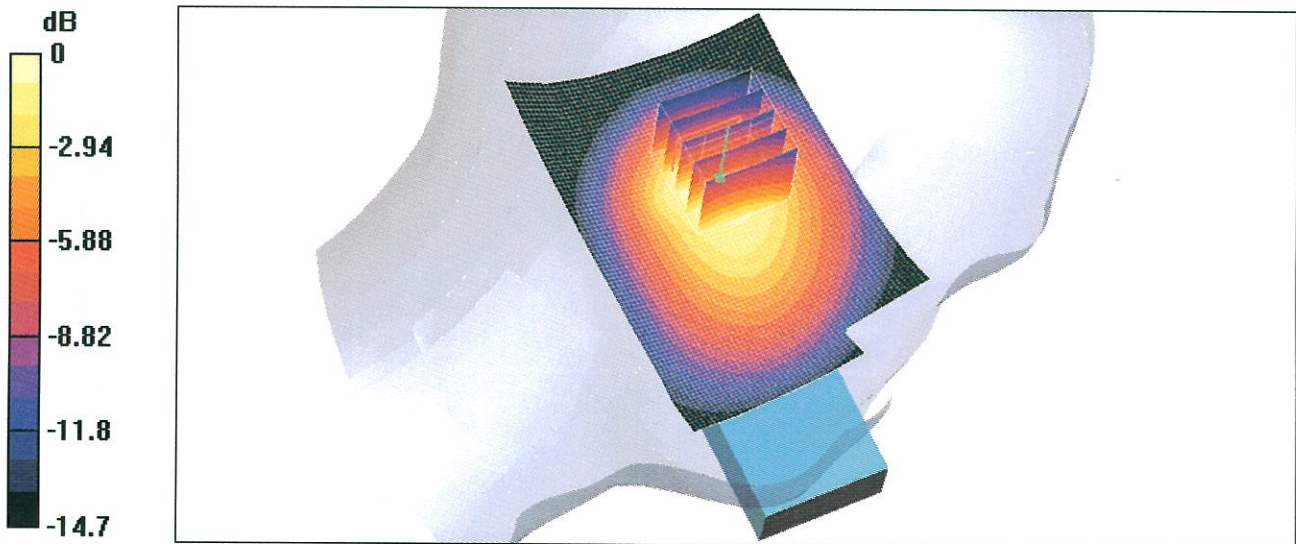
**Tilt, Ch.363, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.8 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.863 mW/g

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.810 mW/g**



Test Laboratory: SAMSUNG Electronics

# SAMSUNG FCC ID : A3LSCHX659 -- 835 MHz CDMA Body SAR

DUT: SCH-X659;Serial: FB-014-I

Program Name: SCH-X659 CDMA Body(Job No. : FA-014)

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

Procedure Notes: Meas.Tissue Temp(celsius)-20.8;Test Date-01/Apr/2004[FCC OET Bulletin 65-Supplement C, July 2001]

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

Medium: 835 (Body)MHzMedium parameters used (interpolated):  $f = 835.89$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.66, 6.66, 6.66); ; Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 37;

**Body, Ch.0363, Ant.Fixed, Bat.Standard/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 23.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.707 mW/g

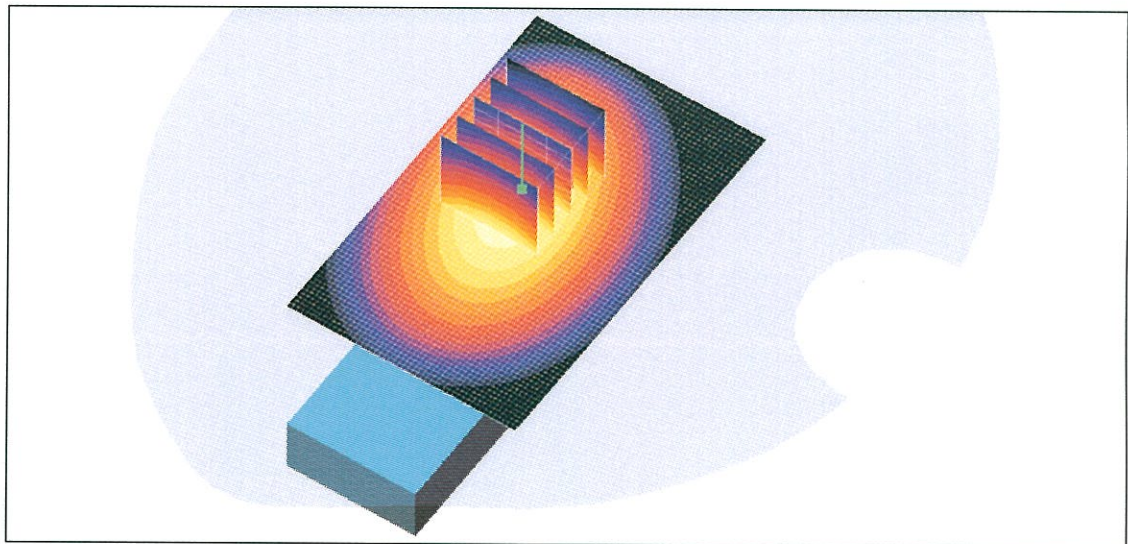
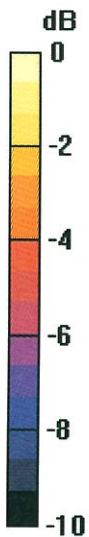
**Body, Ch.0363, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.699 mW/g

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.468 mW/g



0 dB = 0.699mW/g

Test Laboratory: SAMSUNG Electronics

# SAMSUNG FCC ID : A3LSCHX659 -- 835 MHz CDMA Head SAR

DUT: SCH-X659;Serial: FB-014-I

Program Name: SCH-X659 CDMA Left( Job.No: FB-014)

Procedure Name: Tilt, Ch.363, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4;Test Date-31/Mar/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium: Head 835 MHzMedium parameters used:  $f = 835.89$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); ; Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 37;

**Tilt, Ch.363, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 29.8 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.919 mW/g

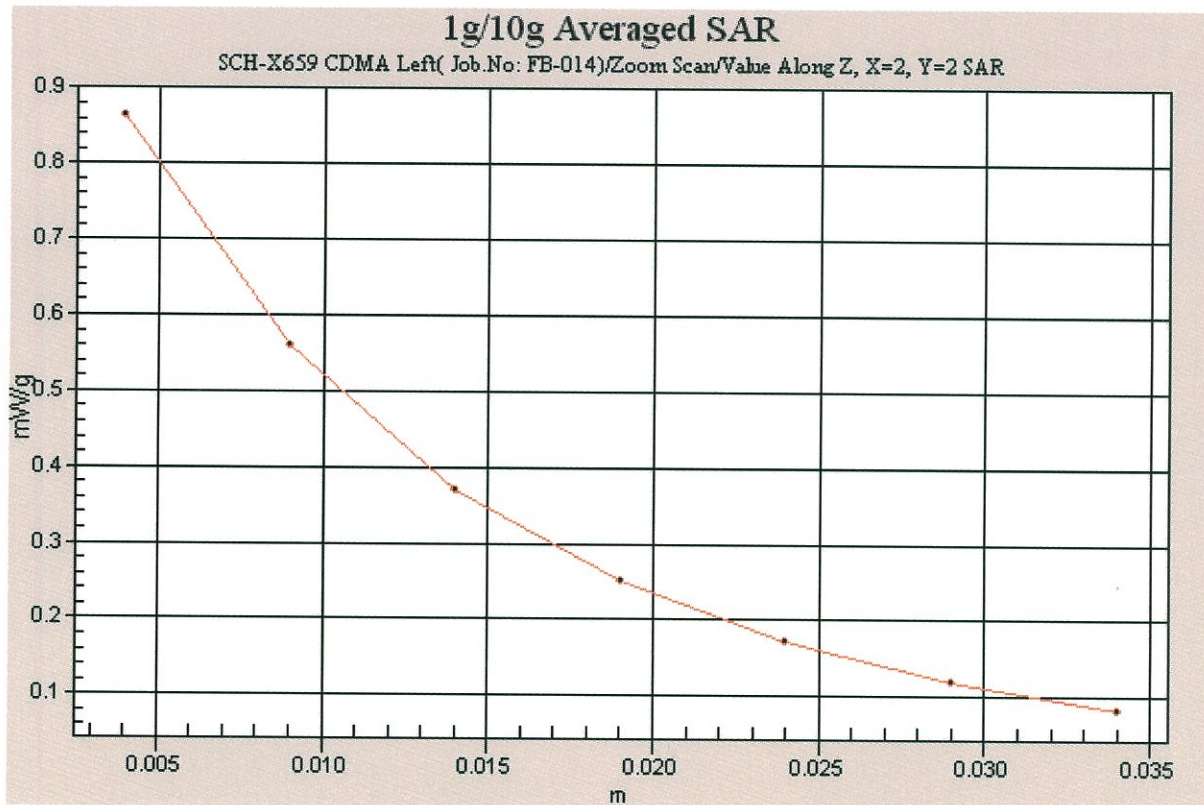
**Tilt, Ch.363, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.8 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.863 mW/g

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.810 mW/g**



# SAMSUNG FCC ID : A3LSCHX659 -- 835 MHz CDMA Body SAR

DUT: SCH-X659;Serial: FB-014-I

Program Name: SCH-X659 CDMA Body(Job No. : FA-014)

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

Procedure Notes: Meas.Tissue Temp(celsius)-20.8;Test Date-01/Apr/2004[FCC OET Bulletin 65-Supplement C, July 2001]

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

Medium: 835 (Body)MHzMedium parameters used (interpolated):  $f = 835.89$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.66, 6.66, 6.66); ; Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 900MHz with CRP; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 37;

**Body, Ch.0363, Ant.Fixed, Bat.Standard/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 23.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.707 mW/g

**Body, Ch.0363, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.699 mW/g

Peak SAR (extrapolated) = 0.874 W/kg

**SAR(1 g) = 0.657 mW/g**

