

SAMSUNG FCC ID: A3LSCHX619 -- 835MHz CDMA Head SAR

DUT: SCH-X619; Serial: FB-020-B

Program Name: SCH-X619 CDMA Right (Job No.: FB-020)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-23/Apr/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical 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; Postprocessing SW: SEMCAD, V1.8 Build 109

Cheek/Touch, Ch.0777, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):

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

Reference Value = 8.95 V/m ; Power Drift = 0.2 dB

Maximum value of SAR (interpolated) = 0.886 mW/g

Cheek/Touch, Ch.0777, Ant.Fixed, Bat.Standard/Zoom Scan

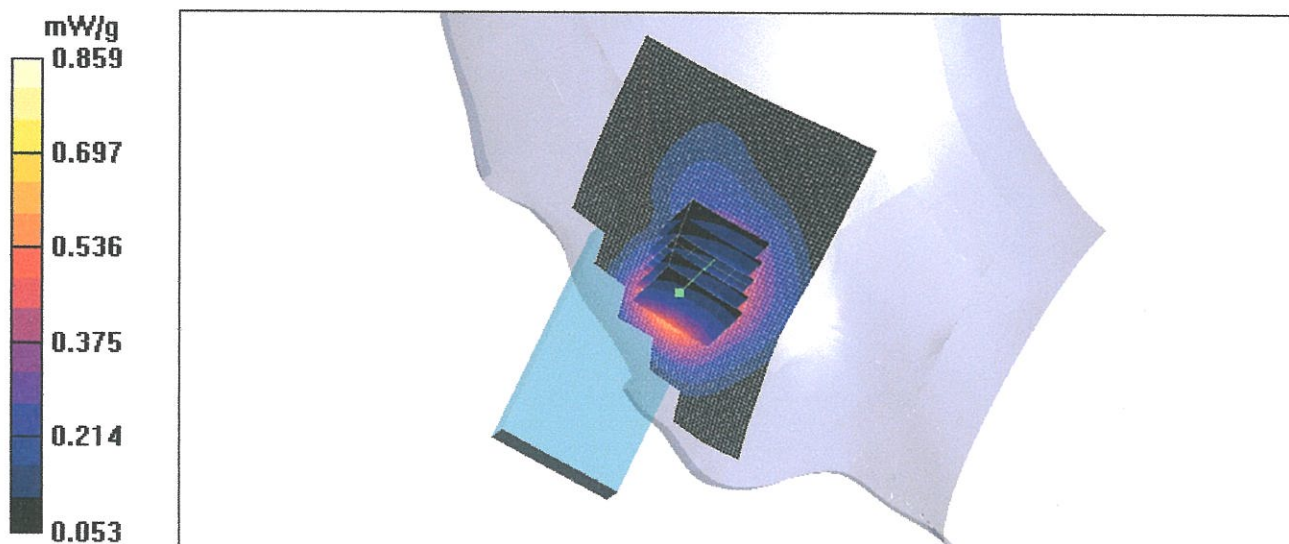
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.95 V/m ; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.859 mW/g

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.785 mW/g



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Program Name: SCH-X619 CDMA Right (Job No.: FB-020)

Procedure Name: Ear/Tilt, Ch.0777, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-23/Apr/2004[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; $\sigma = 0.86$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ 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 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; Postprocessing SW: SEMCAD, V1.8 Build 109

Ear/Tilt, Ch.0777, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):

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

Reference Value = 8.07 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.168 mW/g

Ear/Tilt, Ch.0777, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

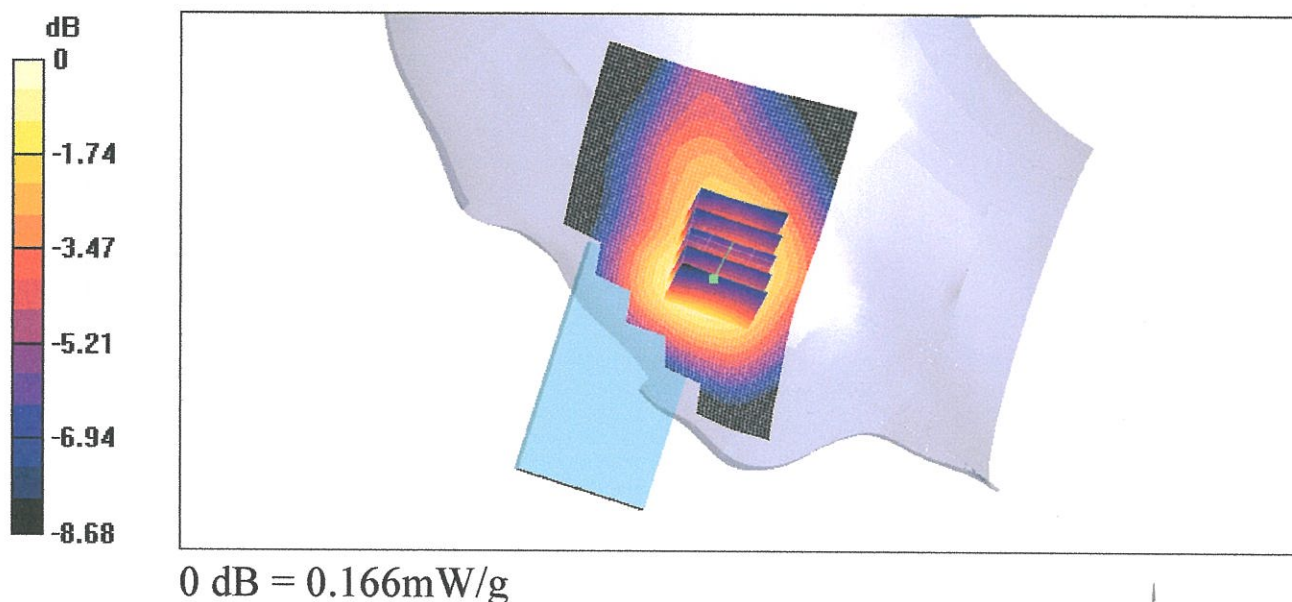
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.07 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.166 mW/g

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.157 mW/g



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Program Name: SCH-X619 CDMA Left (Job No.: FB-020)

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Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-23/Apr/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- 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; Postprocessing SW: SEMCAD, V1.8 Build 109

Cheek/Touch, Ch.0777, Ant.Fixed, Bat.Standard/Area Scan (61x71x1):

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

Reference Value = 8.27 V/m ; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.813 mW/g

Cheek/Touch, Ch.0777, Ant.Fixed, Bat.Standard/Zoom Scan

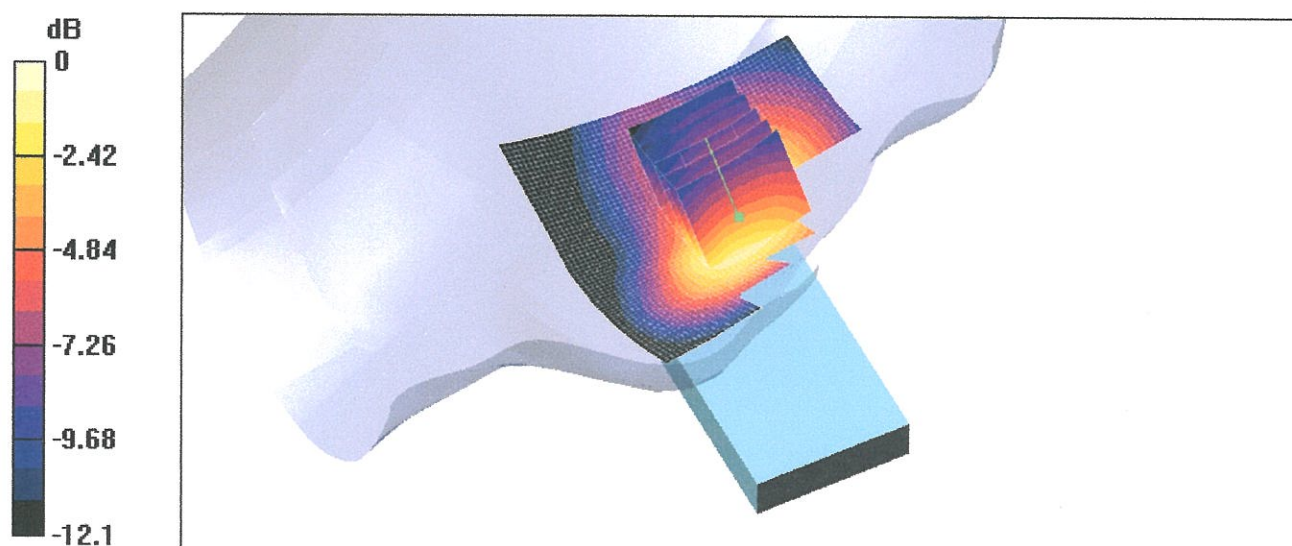
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.27 V/m ; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.805 mW/g

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.773 mW/g



0 dB = 0.805 mW/g

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Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-23/Apr/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- 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; Postprocessing SW: SEMCAD, V1.8 Build 109

Ear/Tilt, Ch.0777, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):

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

Reference Value = 7.54 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.178 mW/g

Ear/Tilt, Ch.0777, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

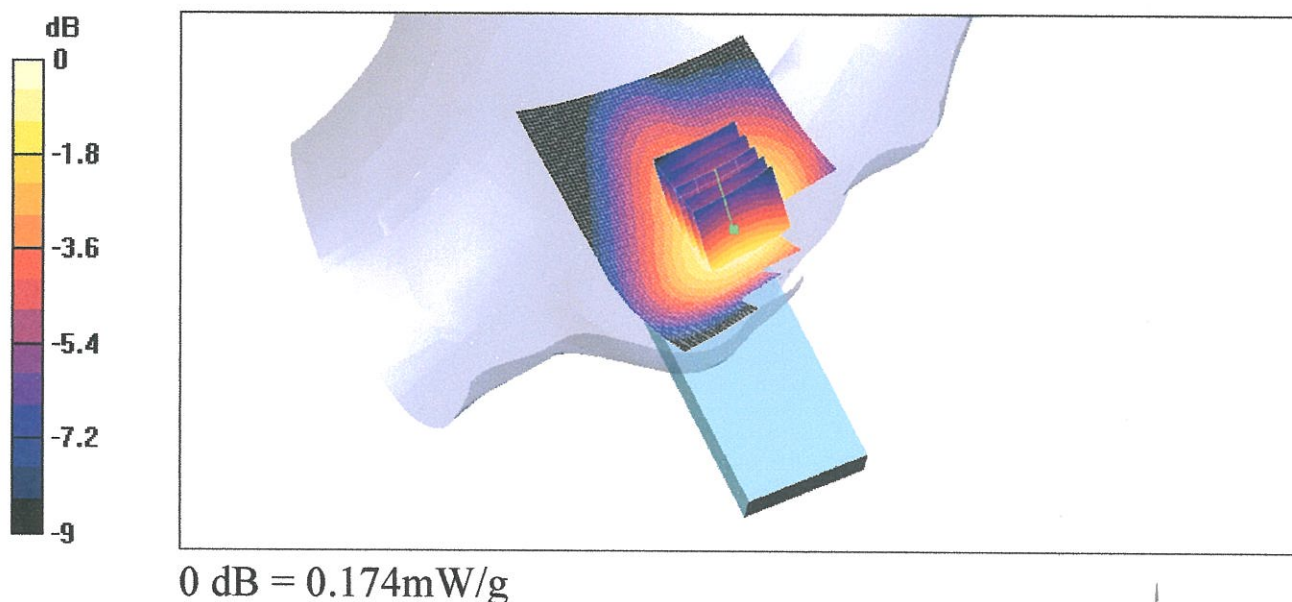
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.54 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.174 mW/g

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.165 mW/g



SAMSUNG FCC ID: A3LSCHX619 -- 835MHz CDMA Body SAR

DUT: SCH-X619(Body); Serial: FB-020-B

Program Name: SCH-X619 CDMA Body (Job No.: FB-020)

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

Procedure Notes: Meas.Tissue(celsius)-20.8-Test Date-24/April/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used (interpolated): $f = 835.89$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$

kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.66, 6.66, 6.66); Calibrated: 2004-02-02
- 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; Postprocessing SW: SEMCAD, V1.8 Build 109

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

Reference Value = 30.9 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.15 mW/g

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

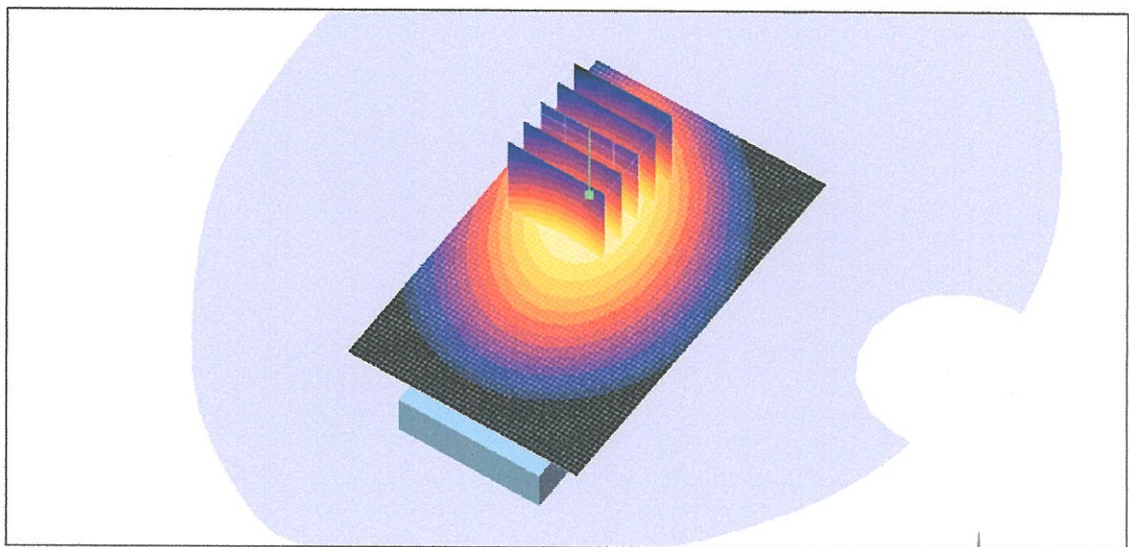
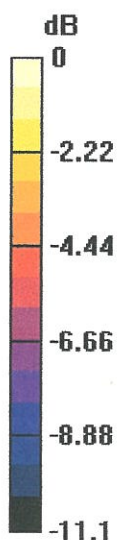
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.9 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.15 mW/g

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.07 mW/g



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Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.55, 6.55, 6.55); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
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Cheek/Touch, Ch.0777, Ant.Fixed, Bat.Standard/Area Scan (61x91x1):

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

Reference Value = 8.95 V/m; Power Drift = 0.2 dB

Maximum value of SAR (interpolated) = 0.886 mW/g

Cheek/Touch, Ch.0777, Ant.Fixed, Bat.Standard/Zoom Scan

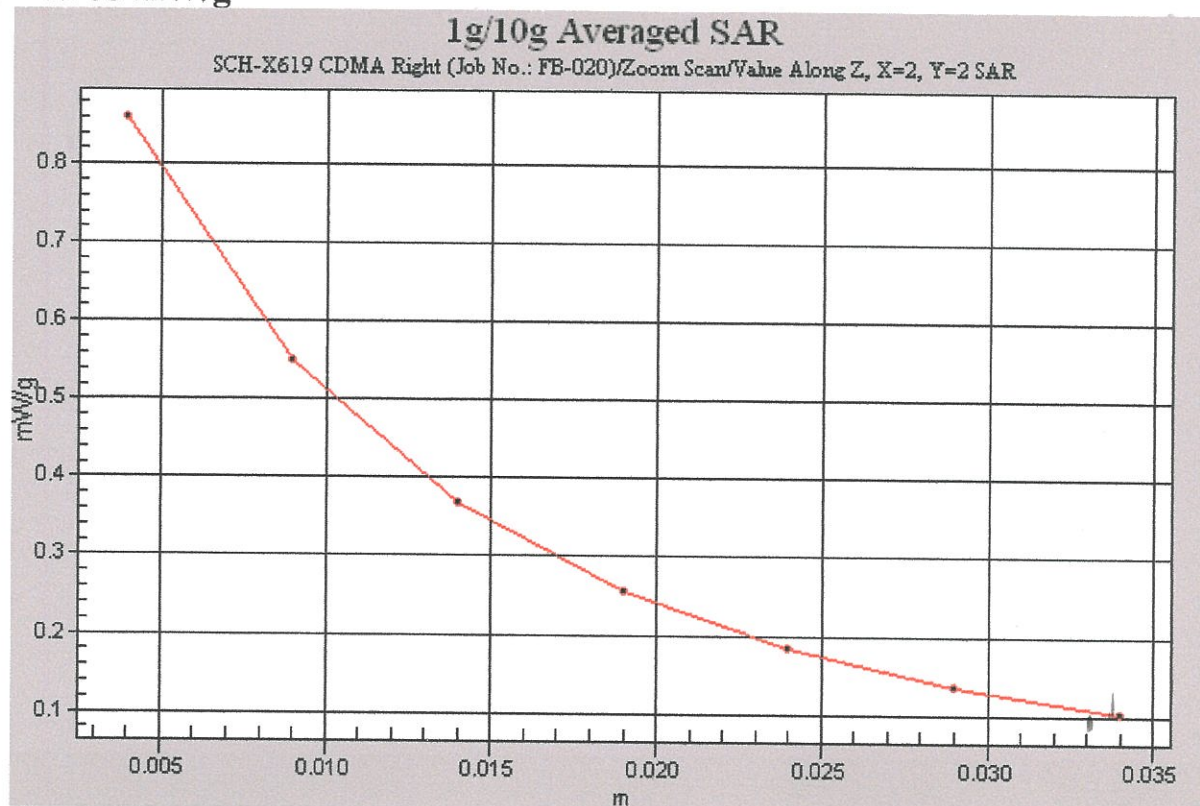
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.95 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.859 mW/g

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.785 mW/g



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DUT: SCH-X619(Body); Serial: FB-020-B

Program Name: SCH-X619 CDMA Body (Job No.: FB-020)

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

Procedure Notes: Meas.Tissue(celsius)-20.8-Test Date-24/April/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used (interpolated): $f = 835.89$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$

kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(6.66, 6.66, 6.66); Calibrated: 2004-02-02
- 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; Postprocessing SW: SEMCAD, V1.8 Build 109

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

Reference Value = 30.9 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.15 mW/g

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

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

Reference Value = 30.9 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.15 mW/g

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.07 mW/g

