

SAMSUNG FCC ID : A3LSCHN415 -- 835MHz CDMA Head SAR

DUT: SCH-N415; Serial: FC-001-A

Program Name: SCH-N415 CDMA Right(Job No.: FC-001)

Procedure Name: Cheek, Ch.1013, Intenna Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-07/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek, Ch.1013, Intenna Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid:

$dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.930 mW/g

Cheek, Ch.1013, Intenna Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

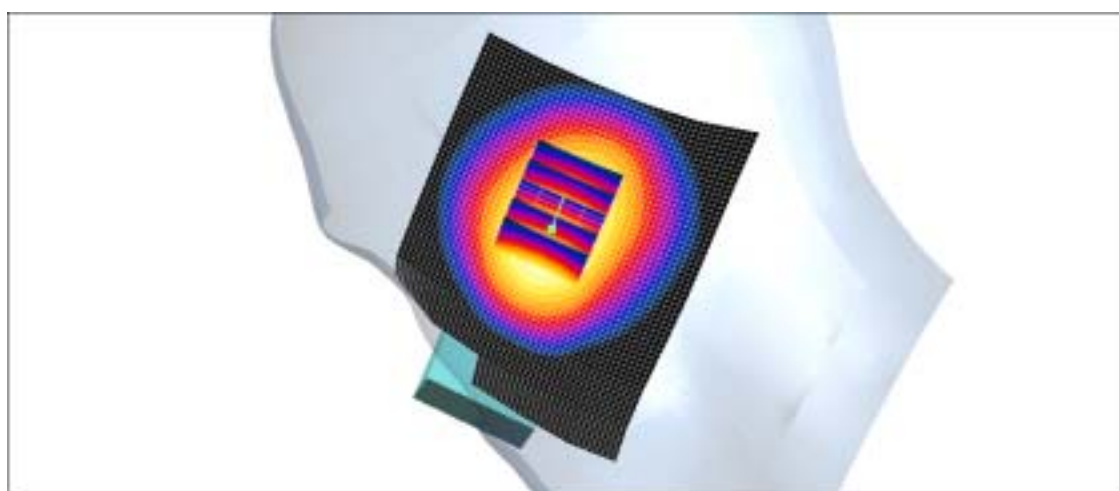
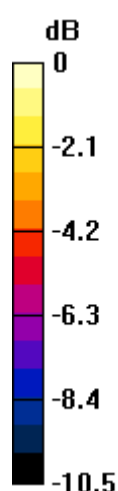
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.814 mW/g

Maximum value of SAR (measured) = 0.868 mW/g



0 dB = 0.868mW/g

SAMSUNG FCC ID : A3LSCHN415 -- 835MHz CDMA Head SAR

DUT: SCH-N415; Serial: FC-001-A

Program Name: SCH-N415 CDMA Right(Job No.: FC-001)

Procedure Name: Ear/Tilted, Ch.1013, Ant.Intenna Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-07/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ear/Tilted, Ch.1013, Ant.Intenna Bat.Standard/Area Scan (51x71x1): Measurement grid:
 $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.542 mW/g

Ear/Tilted, Ch.1013, Ant.Intenna Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

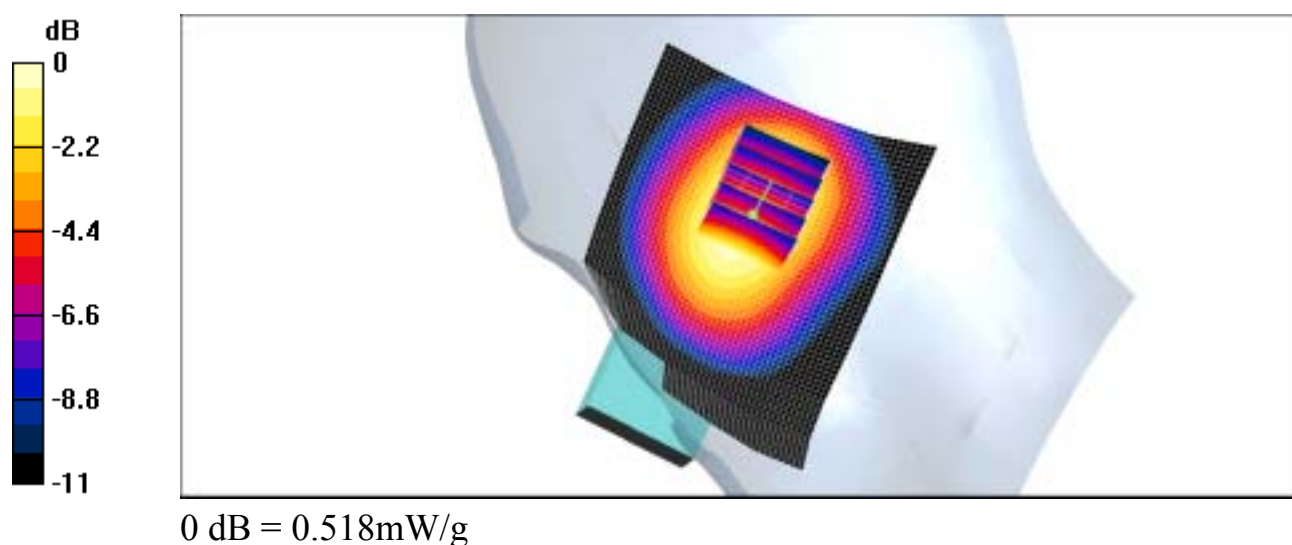
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.2 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.697 W/kg

SAR(1 g) = 0.485 mW/g

Maximum value of SAR (measured) = 0.518 mW/g



SAMSUNG FCC ID : A3LSCHN415 -- 835MHz CDMA Head SAR

DUT: SCH-N415; Serial: FC-001-A

Program Name: SCH-N415 CDMA Left(Job No.: FC-001)

Procedure Name: Cheek, Ch.1013, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-07/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek, Ch.1013, Intenna Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid:

$dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.932 mW/g

Cheek, Ch.1013, Intenna Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

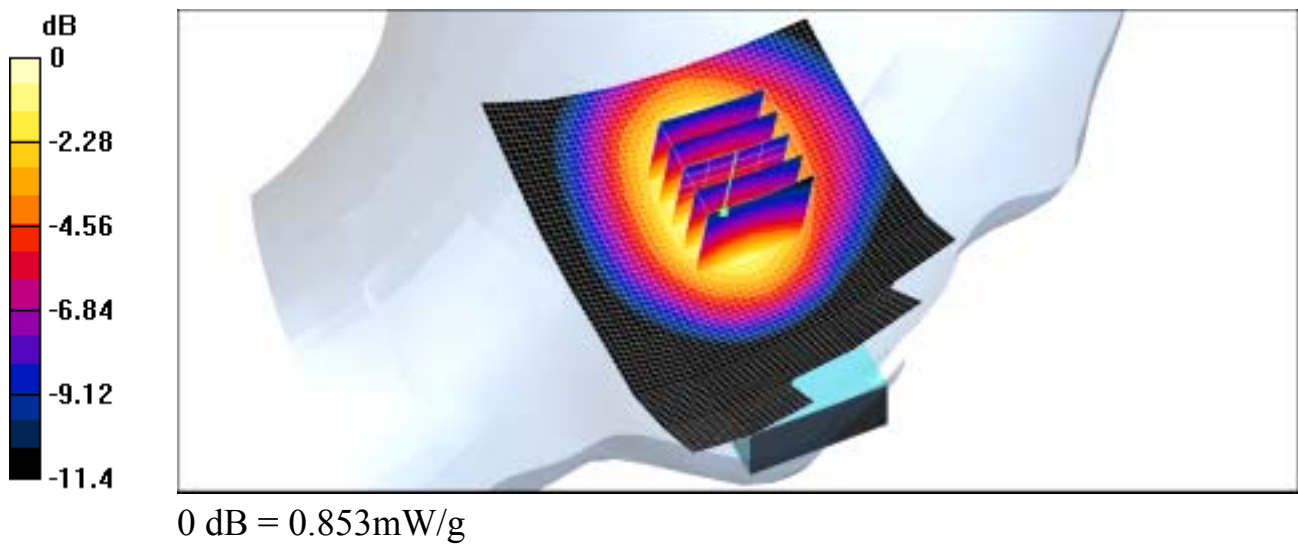
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.9 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.818 mW/g

Maximum value of SAR (measured) = 0.853 mW/g



SAMSUNG FCC ID : A3LSCHN415 -- 835MHz CDMA Head SAR

DUT: SCH-N415; Serial: FC-001-A

Program Name: SCH-N415 CDMA Left(Job No.: FC-001)

Procedure Name: Tilted, Ch.1013, Ant.Intenna Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-07/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 824.7$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Tilted, Ch.1013, Ant.Intenna Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.605 mW/g

Tilted, Ch.1013, Ant.Intenna Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

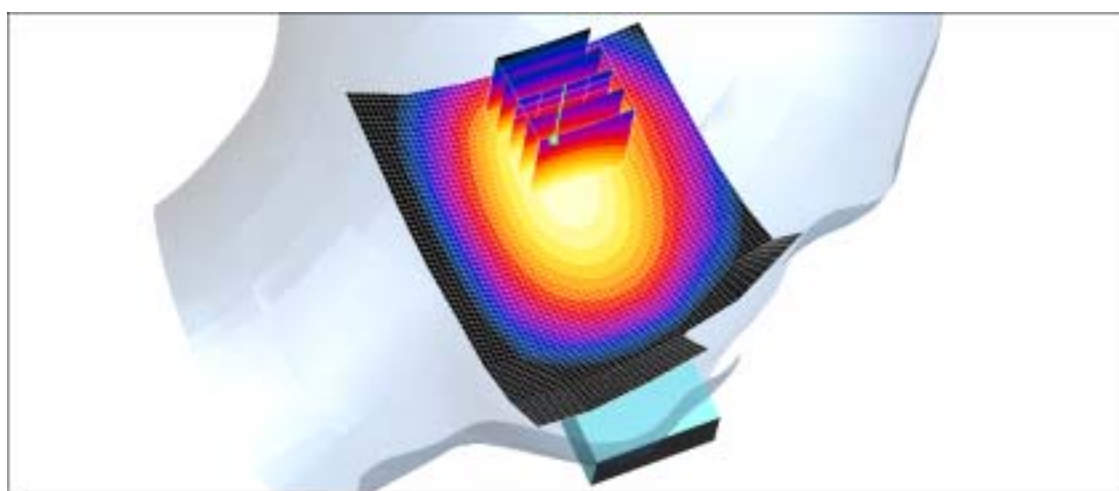
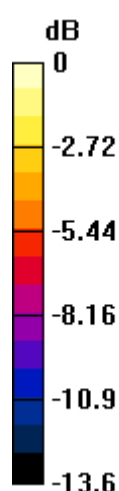
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.3 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.512 mW/g

Maximum value of SAR (measured) = 0.550 mW/g



0 dB = 0.550mW/g

SAMSUNG FCC ID : A3LSCHN415 -- 835MHz CDMA Body SAR

DUT: SCH-N415 (Body); Serial: FC-001-A

Program Name: SCH-N415 CDMA Body (Job No.: FC-001)

Procedure Name: Body, Ch.1013, Ant.Intenna, Bat.Standard, Rotation -90 degree

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-07/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Body, Ch.1013, Ant.Intenna, Bat.Standard, Rotation -90 degree/Area Scan

(51x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 1.13 mW/g

Body, Ch.1013, Ant.Intenna, Bat.Standard, Rotation -90 degree/Zoom Scan

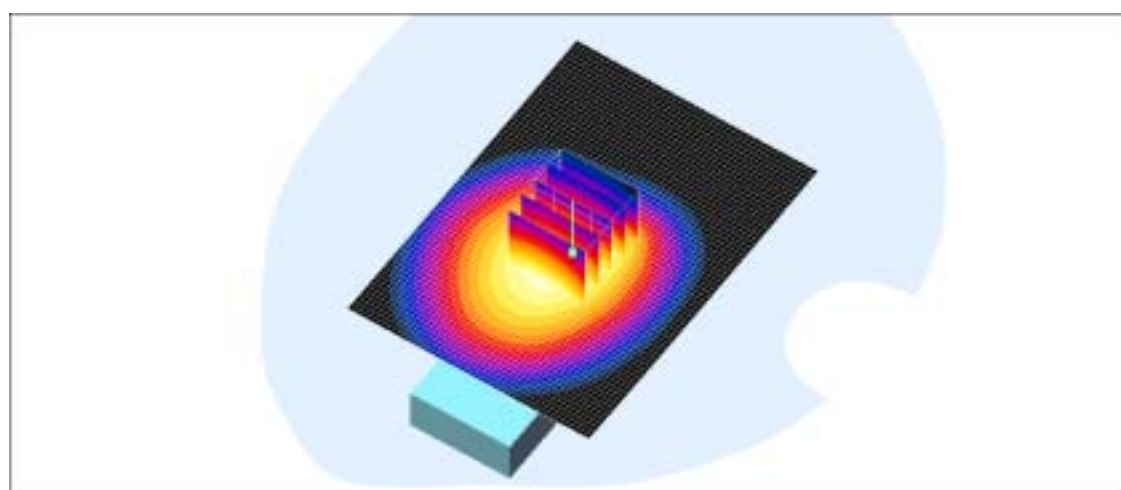
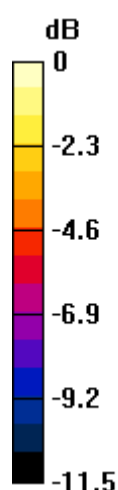
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.3 V/m ; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 1.03 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09 mW/g

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DUT: SCH-N415; Serial: FC-001-A

Program Name: SCH-N415 CDMA Left(Job No.: FC-001)

Procedure Name: Cheek, Ch.1013, Intenna Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-07/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

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
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- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek, Ch.1013, Intenna Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid:

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Maximum value of SAR (interpolated) = 0.932 mW/g

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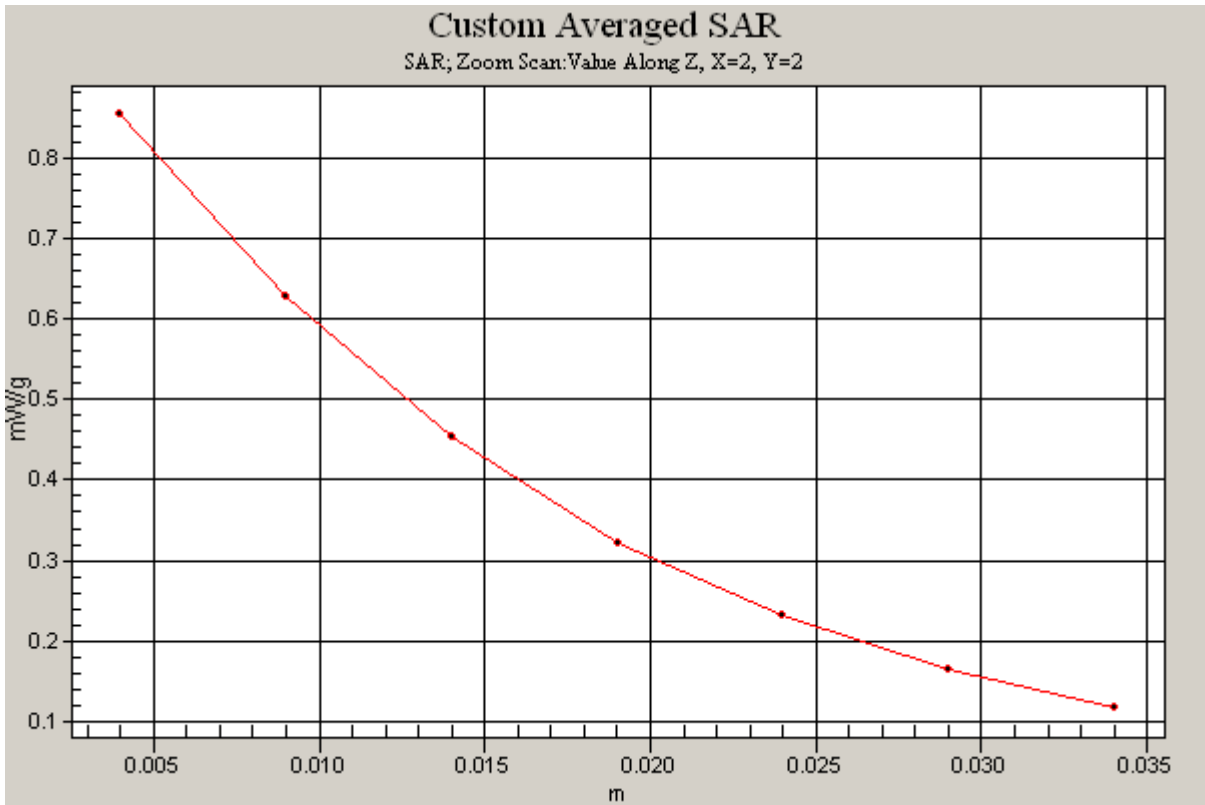
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.9 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.12 W/kg

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Maximum value of SAR (measured) = 0.853 mW/g



SAMSUNG FCC ID : A3LSCHN415 -- 835MHz CDMA Body SAR

DUT: SCH-N415 (Body); **Serial:** FC-001-A
Program Name: SCH-N415 CDMA Body (Job No.: FC-001)
Procedure Name: Body, Ch.1013, Ant.Intenna, Bat.Standard, Rotation -90 degree
Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-07/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1
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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 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

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Body, Ch.1013, Ant.Intenna, Bat.Standard, Rotation -90 degree/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 19.3 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 1.37 W/kg
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Maximum value of SAR (measured) = 1.09 mW/g

