

SAMSUNG FCC ID : A3LSGHN707 -- 835MHz GSM850 Head SAR

DUT: SGH-N707; Serial: FB-023-F

Program Name: SGH-N707 GSM850 Right (Job No.: FB-032)

Procedure Name: Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 40.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(6.3, 6.3, 6.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard/Area Scan (51x81x1):

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

Reference Value = 34 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 1.53 mW/g

Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan

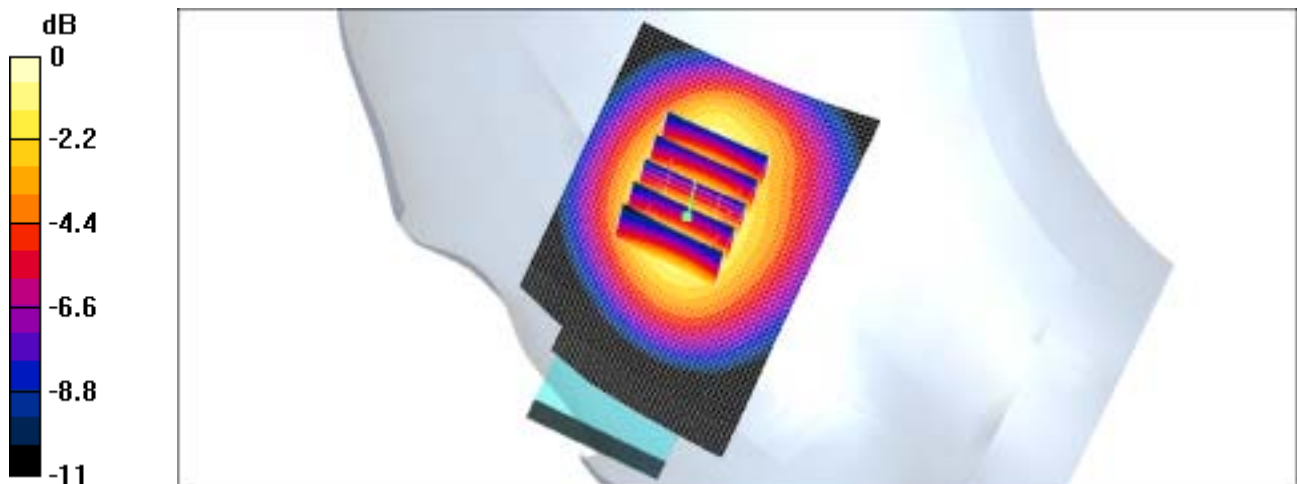
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 1.52 mW/g

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 1.42 mW/g



0 dB = 1.52mW/g

SAMSUNG FCC ID : A3LSGHN707 -- 835MHz GSM850 Head SAR

DUT: SGH-N707; Serial: FB-023-F

Program Name: SGH-N707 GSM850 Right (Job No.: FB-032)

Procedure Name: Ear/Tilt, Ch.0190, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 40.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(6.3, 6.3, 6.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0190, Ant.Intenna, Bat.Standard/Area Scan (81x111x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 29.2 V/m ; Power Drift = 0.1 dB

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

Ear/Tilt, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan (6x6x7)/Cube 0:

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

Reference Value = 29.2 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.827 mW/g

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.792 mW/g

Ear/Tilt, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan (6x6x7)/Cube 1:

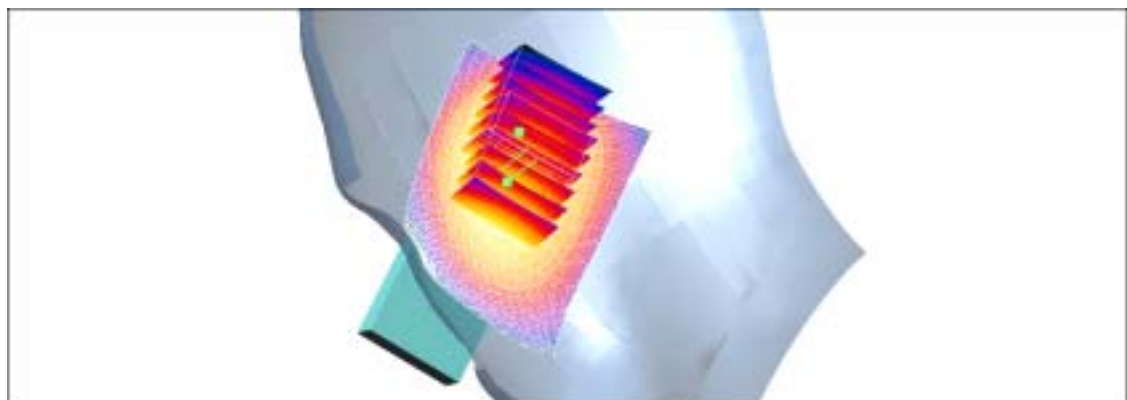
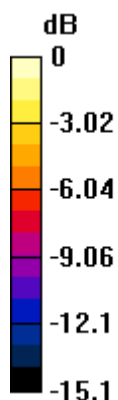
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.2 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.837 mW/g

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.777 mW/g



SAMSUNG FCC ID : A3LSGHN707 -- 835MHz GSM850 Head SAR

DUT: SGH-N707; Serial: FB-023-F

Program Name: SGH-N707 GSM850 Left (Job No.: FB-032)

Procedure Name: Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 40.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(6.3, 6.3, 6.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard/Area Scan (51x81x1):

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

Reference Value = 34.5 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 1.43 mW/g

Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan

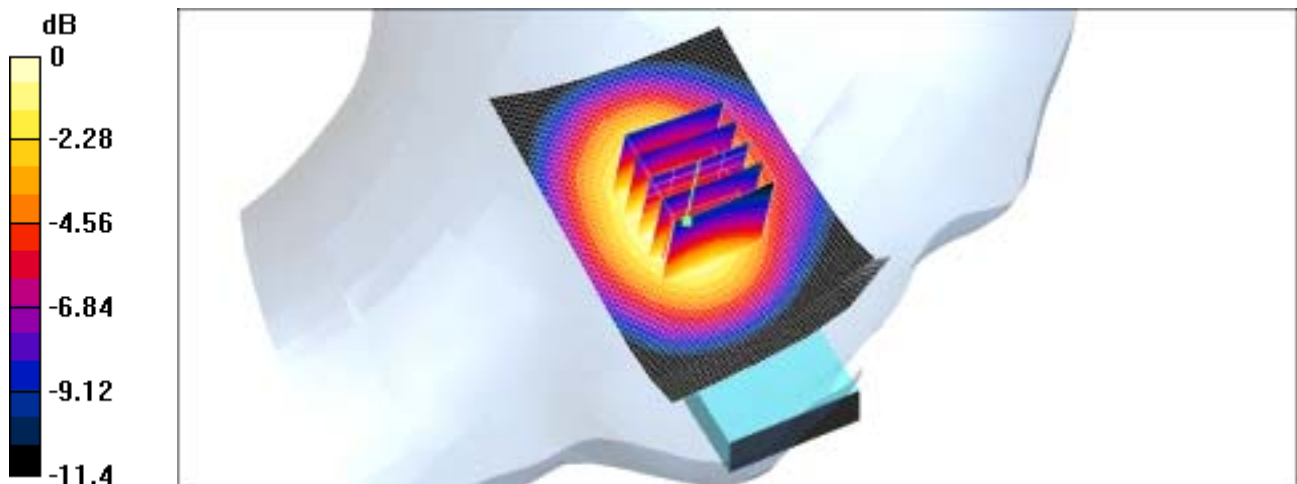
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.5 V/m ; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.34 mW/g

Peak SAR (extrapolated) = 1.7 W/kg

SAR(1 g) = 1.25 mW/g



0 dB = 1.34 mW/g

SAMSUNG FCC ID : A3LSGHN707 -- 835MHz GSM850 Head SAR

DUT: SGH-N707; Serial: FB-023-F

Program Name: SGH-N707 GSM850 Left (Job No.: FB-032)

Procedure Name: Ear/Tilt, Ch.0190, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(6.3, 6.3, 6.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0190, Ant.Intenna, Bat.Standard/Area Scan (71x111x1):

Measurement grid: dx=10mm, dy=10mm

Reference Value = 29.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.791 mW/g

Ear/Tilt, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 29.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.774 mW/g

Peak SAR (extrapolated) = 0.942 W/kg

SAR(1 g) = 0.729 mW/g

Ear/Tilt, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 1:

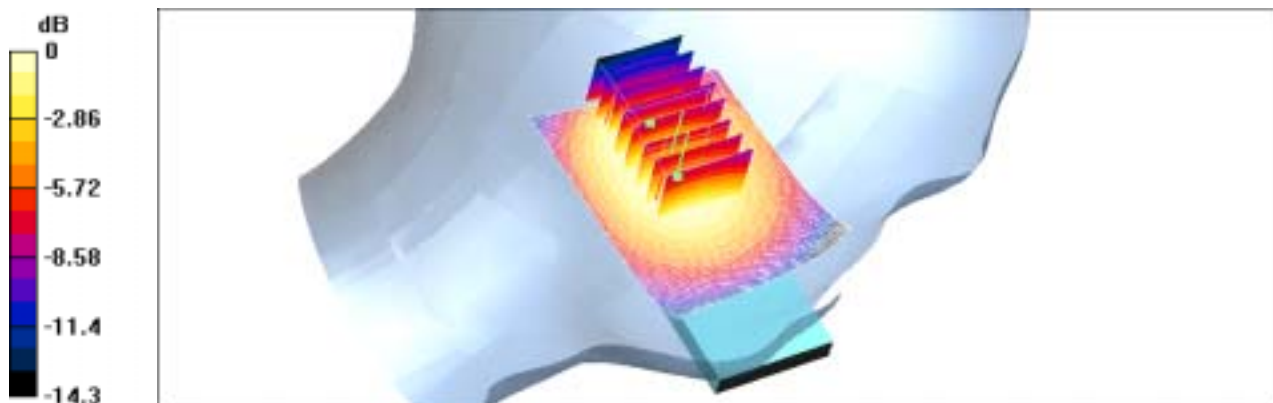
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.737 mW/g

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.678 mW/g



SAMSUNG FCC ID : A3LSGHN707 -- 1900MHz GSM1900 Head SAR

DUT: SGH-N707; Serial: FB-032-F

Program Name: SGH-N707 GSM1900 Right (Job No.: FB-032)

Procedure Name: Cheek/Touch, Ch.0810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: 1909.8 MHz; $\sigma = 1.43$; mho/m; $\epsilon = 38.821$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0810, Ant.Intenna, Bat.Standard/Area Scan (51x81x1):

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

Reference Value = 20.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.734 mW/g

Cheek/Touch, Ch.0810, Ant.Intenna, Bat.Standard/Zoom Scan

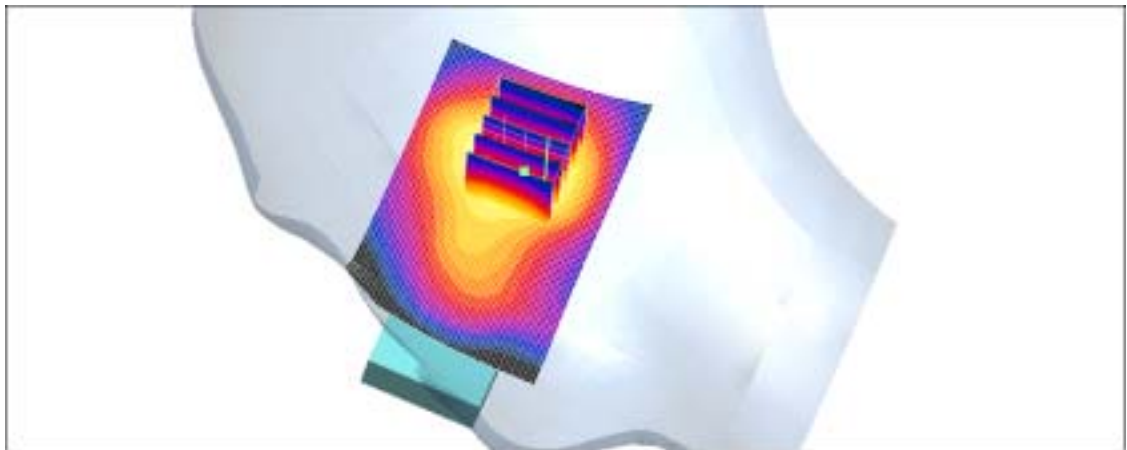
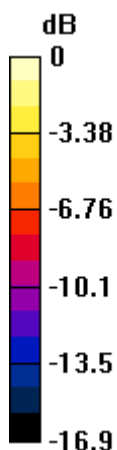
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.659 mW/g

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.619 mW/g



0 dB = 0.659mW/g

SAMSUNG FCC ID : A3LSGHN707 -- 1900MHz GSM1900 Head SAR

DUT: SGH-N707; Serial: FB-032-F

Program Name: SGH-N707 GSM1900 Right (Job No.: FB-032)

Procedure Name: Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880\text{MHz}$; $\sigma = 1.43$; mho/m, $\epsilon = 38.821$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

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

Reference Value = 22.4 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.860 mW/g

Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

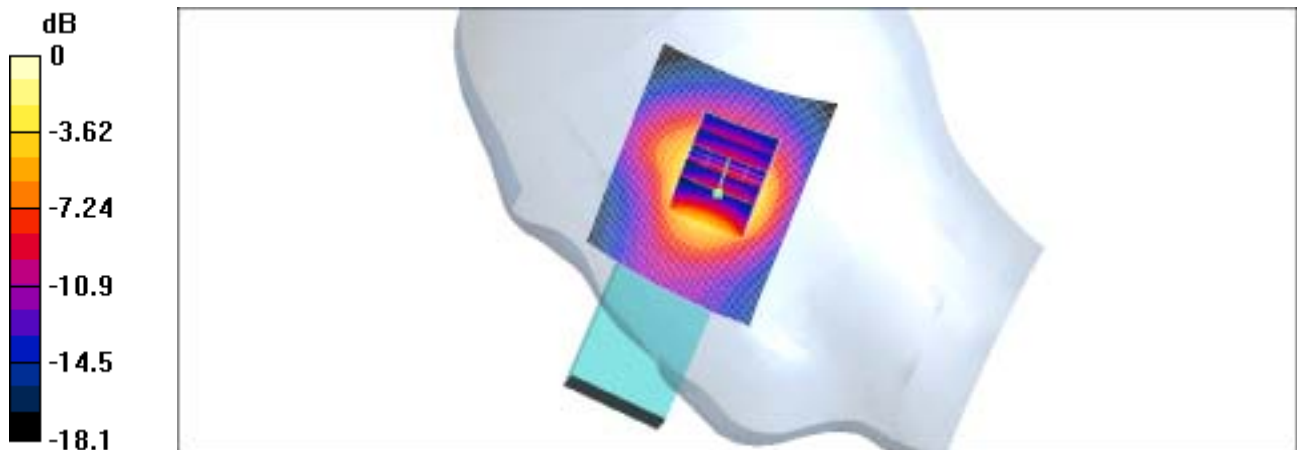
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.4 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.783 mW/g

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.718 mW/g



SAMSUNG FCC ID : A3LSGHN707 -- 1900MHz GSM1900 Head SAR

DUT: SGH-N707; Serial: FB-032-F

Program Name: SGH-N707 GSM1900 Left (Job No. : FB-032)

Procedure Name: Cheek/Touch, Ch.0810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: 1909.8 MHz; $\sigma = 1.43$; mho/m; $\epsilon = 38.821$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0810, Ant.Intenna, Bat.Standard/Area Scan (51x81x1):

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

Reference Value = 21.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.900 mW/g

Cheek/Touch, Ch.0810, Ant.Intenna, Bat.Standard/Zoom Scan

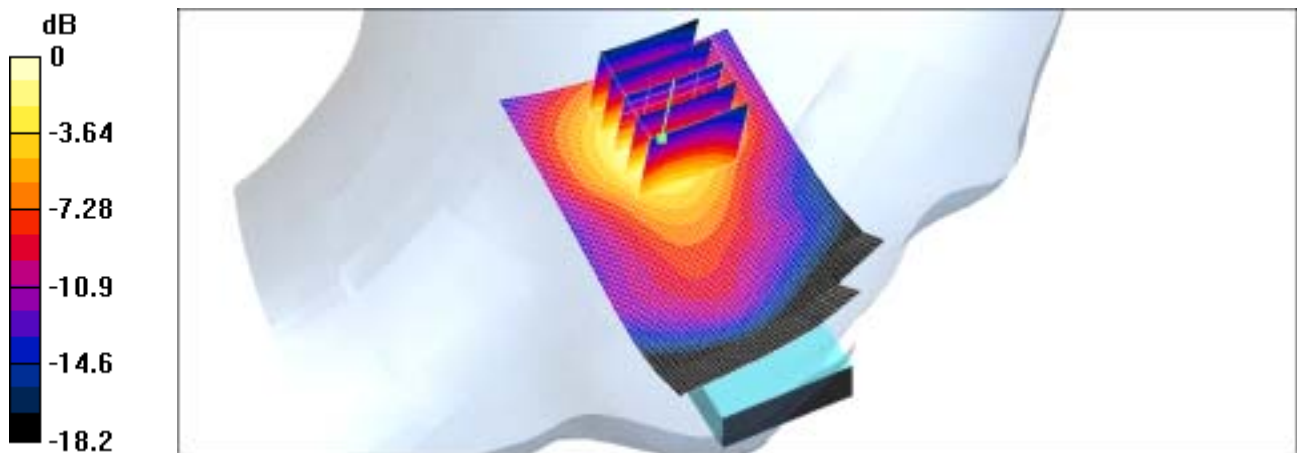
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.777 mW/g

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.746 mW/g



0 dB = 0.777mW/g

SAMSUNG FCC ID : A3LSGHN707 -- 1900MHz GSM1900 Head SAR

DUT: SGH-N707; Serial: FB-032-F

Program Name: SGH-N707 GSM1900 Left (Job No.: FB-032)

Procedure Name: Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f=1909.8\text{MHz}$; $\sigma_r = 1.43$; mho/m; $\epsilon = 38.821$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

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

Reference Value = 18.5 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 1 mW/g

Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

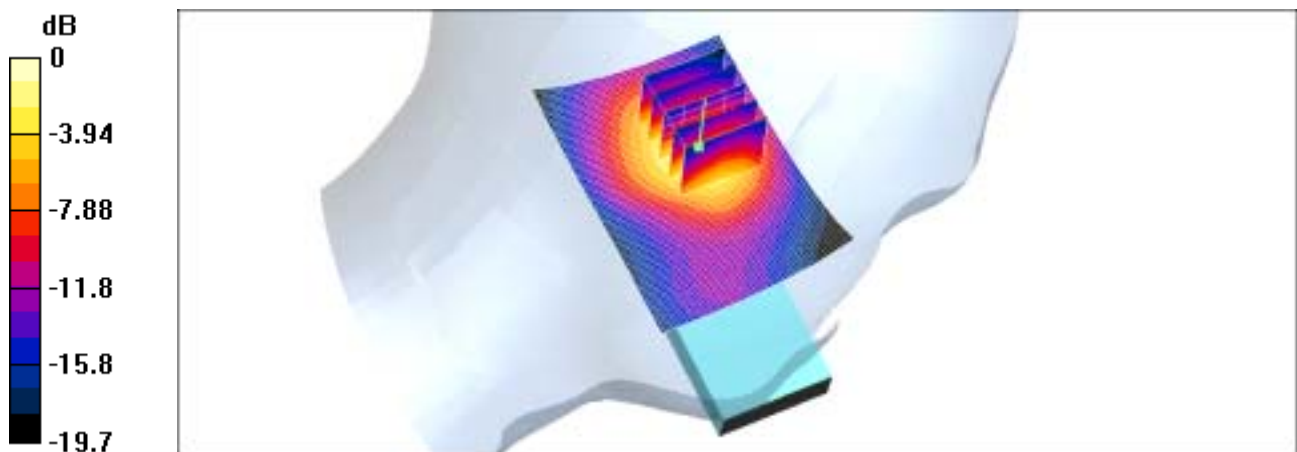
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.5 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.963 mW/g

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.854 mW/g



0 dB = 0.963mW/g

SAMSUNG FCC ID : A3LSGHN707 -- 835MHz GSM850[GPRS] Body SAR

DUT: SGH-N707 (Body); Serial: FB-032-F

Program Name: SGH-N707 GSM850 Body (GPRS Mode, Job No.: FB-032)

Procedure Name: Body, Ch.0190, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-20.9; Test Date-18/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850(GPRS); Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ 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 And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.0190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

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

Reference Value = 21.6 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 1.22 mW/g

Body, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

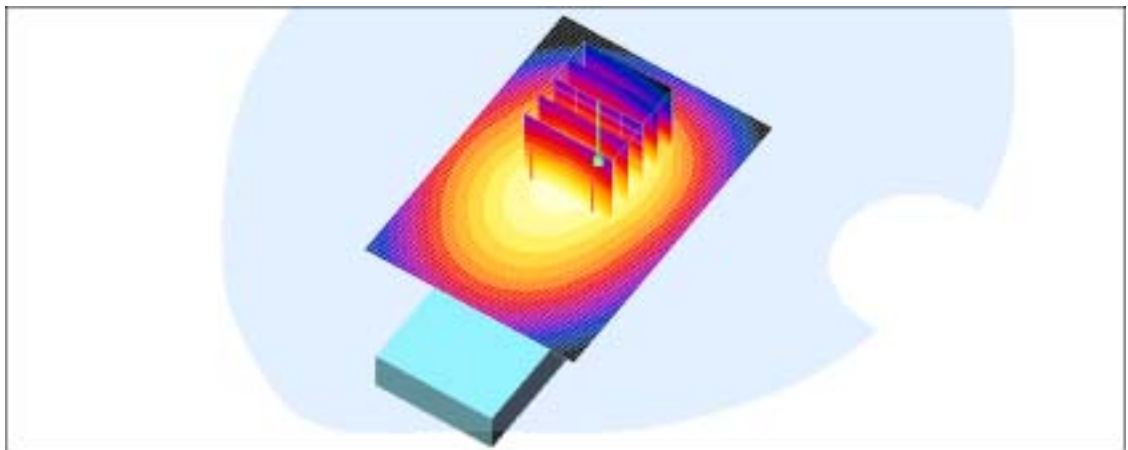
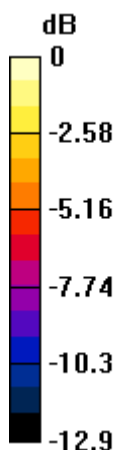
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1.22 mW/g

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.15 mW/g



0 dB = 1.22mW/g

SAMSUNG FCC ID : A3LSGHN707 -- 1900MHz GSM1900[GPRS] Body SAR

DUT: SGH-N707(Body); Serial: FB-032-F

Program Name: SGH-N707 GPRS1900 Body(Job No. : FB-032)

Procedure Name: Body, Ch.810, Ant. Fixed, Bat. Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-18/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma_r = 1.54$; mho/m; $\epsilon = 50.9878$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.810, Ant. Fixed, Bat. Standard/Area Scan (51x71x1): Measurement

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

Reference Value = 19.7 V/m ; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.779 mW/g

Body, Ch.810, 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 = 19.7 V/m ; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.789 mW/g

Peak SAR (extrapolated) = 1.2 W/kg

SAR(1 g) = 0.728 mW/g

Body, Ch.810, Ant. Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 1:

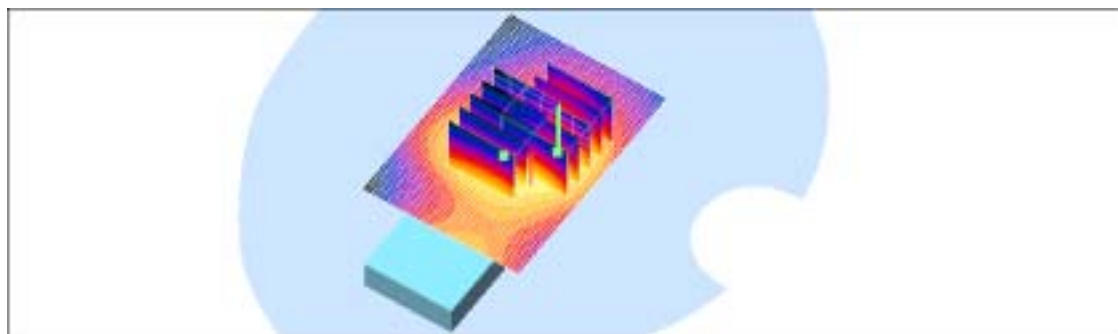
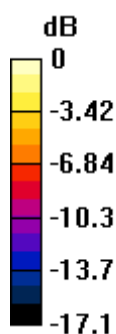
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.7 V/m ; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.827 mW/g

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.593 mW/g



SAMSUNG FCC ID : A3LSGHN707 -- 835MHz GSM850 Head SAR

DUT: SGH-N707; Serial: FB-023-F

Program Name: SGH-N707 GSM850 Right (Job No.: FB-032)

Procedure Name: Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(6.3, 6.3, 6.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard/Area Scan (51x81x1):

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

Reference Value = 34 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 1.53 mW/g

Cheek/Touch, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan

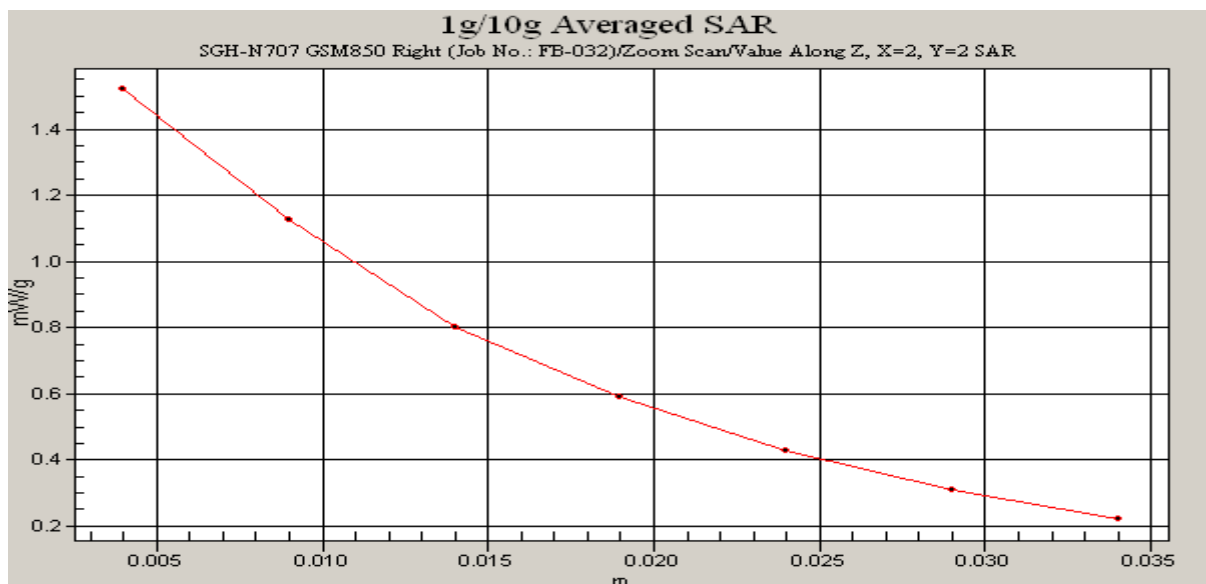
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 34 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 1.52 mW/g

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 1.42 mW/g



SAMSUNG FCC ID : A3LSGHN707 -- 1900MHz GSM1900 Head SAR

DUT: SGH-N707; Serial: FB-032-F

Program Name: SGH-N707 GSM1900 Left (Job No.: FB-032)

Procedure Name: Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.2; Test Date-17/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma_r = 1.43$; mho/m; $\epsilon = 38.821$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

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

Reference Value = 18.5 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 1 mW/g

Ear/Tilt, Ch.0810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

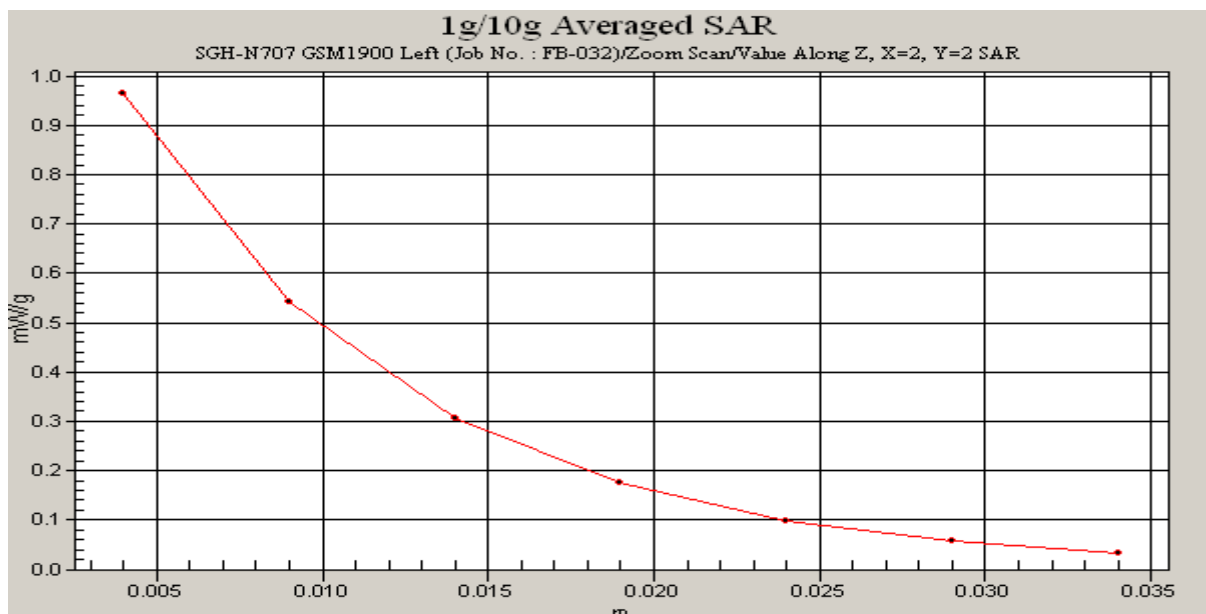
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.5 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.963 mW/g

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.854 mW/g



SAMSUNG FCC ID : A3LSGHN707 -- 835MHz GSM850[GPRS] Body SAR

DUT: SGH-N707 (Body); Serial: FB-032-F

Program Name: SGH-N707 GSM850 Body (GPRS Mode, Job No.: FB-032)

Procedure Name: Body, Ch.0190, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-20.9; Test Date-18/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850(GPRS); Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ 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 And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.0190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

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

Reference Value = 21.6 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 1.22 mW/g

Body, Ch.0190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

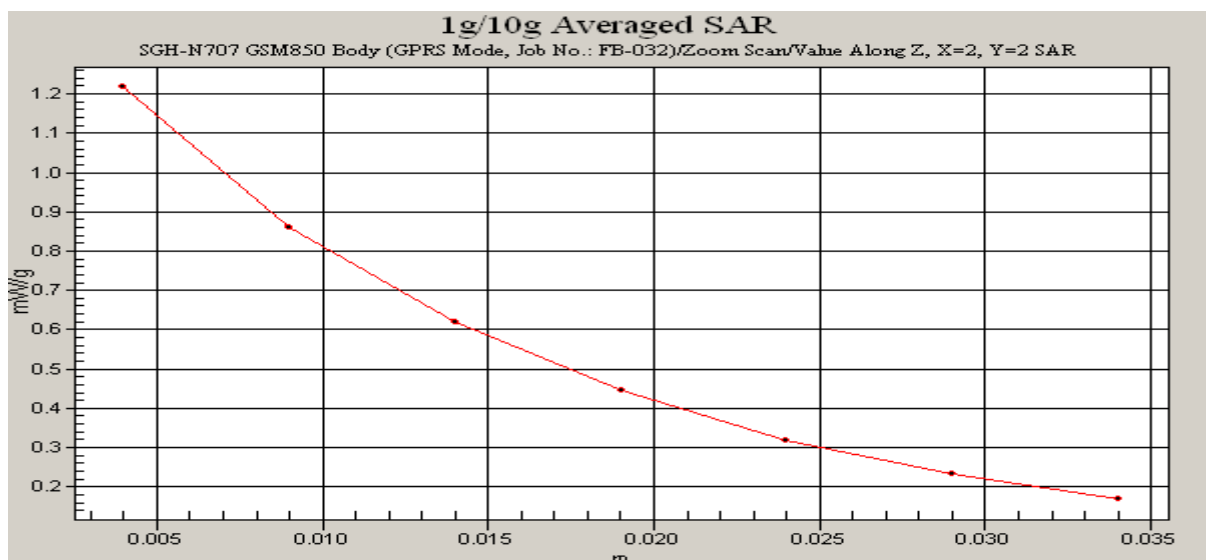
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1.22 mW/g

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.15 mW/g



SAMSUNG FCC ID : A3LSGHN707 -- 1900MHz GSM1900[GPRS] Body SAR

DUT: SGH-N707(Body); Serial: FB-032-F

Program Name: SGH-N707 GPRS1900 Body(Job No. : FB-032)

Procedure Name: Body, Ch.810, Ant. Fixed, Bat. Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-18/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma_r = 1.54$; mho/m; $\epsilon = 50.9878$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.810, Ant. Fixed, Bat. Standard/Area Scan (51x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 19.7 V/m ; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.779 mW/g

Body, Ch.810, 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 = 19.7 V/m ; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.789 mW/g

Peak SAR (extrapolated) = 1.2 W/kg

SAR(1 g) = 0.728 mW/g

Body, Ch.810, Ant. Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 1:

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

Reference Value = 19.7 V/m ; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.827 mW/g

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.593 mW/g

