

SAMSUNG FCC ID: A3LSGHS341I -- 1900MHz GSM1900 Head SAR

DUT: SGH-S341i (Down); Serial: FB-029-C

Program Name: SGH-S341i GSM1900 Right(Job No.: FB-029)

Procedure Name: Cheek/Touch, Ch.512, Ant. Fixed, Slide. Down, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-03/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$; $\sigma = 1.39$; mho/m, $\epsilon_r = 38.4405$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.512, Ant. Fixed, Slide. Down, Bat. Extended/Area Scan

(61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 21.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.710 mW/g

Cheek/Touch, Ch.512, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

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

Reference Value = 21.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.698 mW/g

Peak SAR (extrapolated) = 0.916 W/kg

SAR(1 g) = 0.622 mW/g

Cheek/Touch, Ch.512, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

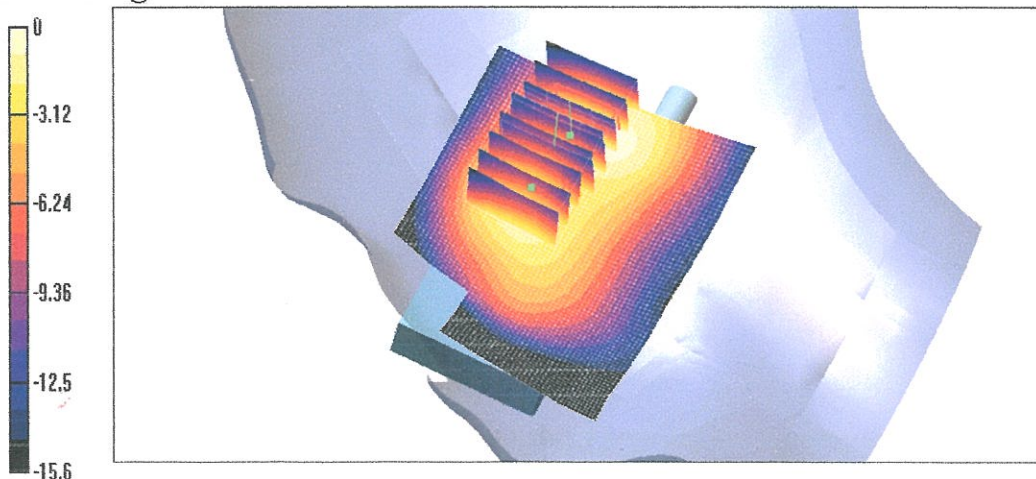
(5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.643 mW/g

Peak SAR (extrapolated) = 0.840 W/kg

SAR(1 g) = 0.535 mW/g



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DUT: SGH-S341i (Down); Serial: FB-029-C

Program Name: SGH-S341i GSM1900 Right(Job No.: FB-029)

Procedure Name: Ear/Tilt, Ch.661, Ant. Fixed, Slide. Down, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-03/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880$; $\sigma = 1.39$; mho/m, $\epsilon_r = 38.4405$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.661, Ant. Fixed, Slide. Down, Bat. Extended/Area Scan

(61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 20.5 V/m; Power Drift = -0.007 dB

Maximum value of SAR (interpolated) = 0.589 mW/g

Ear/Tilt, Ch.661, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

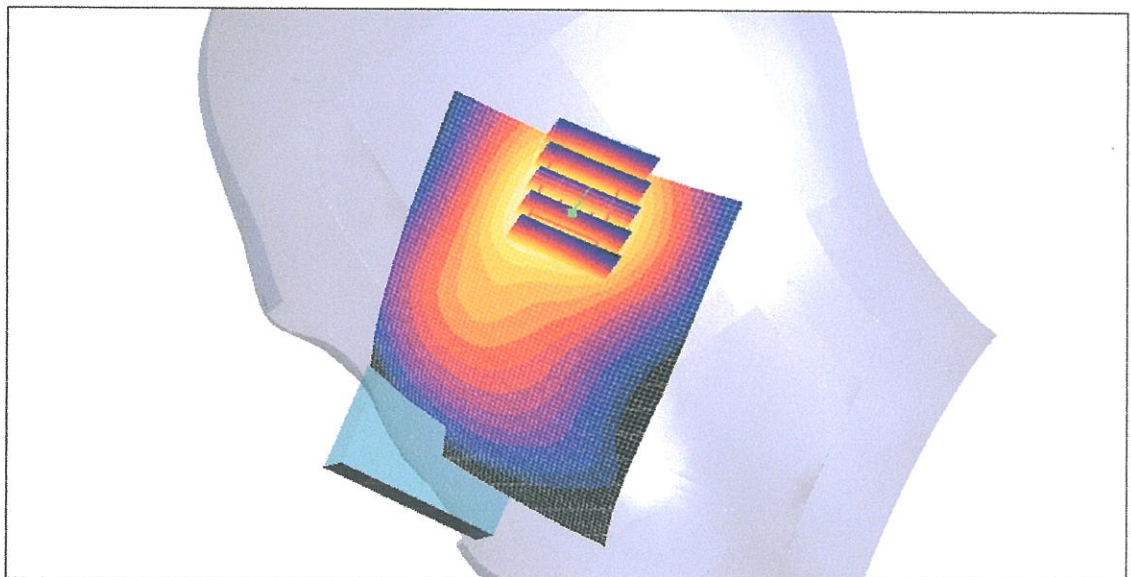
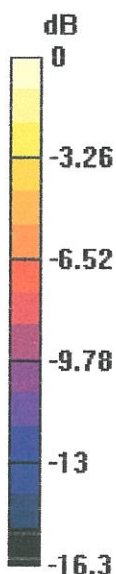
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.5 V/m; Power Drift = -0.007 dB

Maximum value of SAR (measured) = 0.566 mW/g

Peak SAR (extrapolated) = 0.816 W/kg

SAR(1 g) = 0.524 mW/g



SAMSUNG FCC ID: A3LSGHS341I -- 1900MHz GSM1900 Head SAR

DUT: SGH-S341i (Down); Serial: FB-029-C

Program Name: SGH-S341i GSM1900 Left(Job No.: FB-029)

Procedure Name: Cheek/Touch, Ch.810, Ant. Fixed, Slide. Down, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.8;Test Date-03/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: $f = 1909.8$; $\sigma = 1.39$; mho/m, $\epsilon_r = 38.4405$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.810, Ant. Fixed, Slide. Down, Bat. Extended/Area Scan

(61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 18.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.713 mW/g

Cheek/Touch, Ch.810, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

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

Reference Value = 18.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.684 mW/g

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.630 mW/g

Cheek/Touch, Ch.810, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

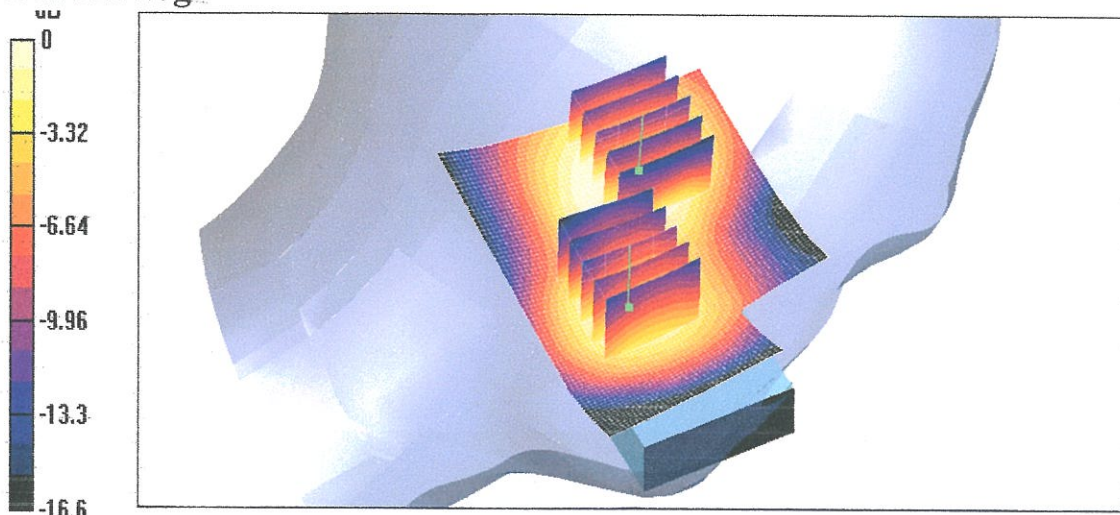
(5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.457 mW/g

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.424 mW/g



SAMSUNG FCC ID: A3LSGHS341I -- 1900MHz GSM1900 Head SAR

DUT: SGH-S341i (Down); Serial: FB-029-C

Program Name: SGH-S341i GSM1900 Left(Job No.: FB-029)

Procedure Name: Ear/Tilt, Ch.661, Ant. Fixed, Slide. Down, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-03/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880$; $\sigma = 1.39$; mho/m, $\epsilon_r = 38.4405$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.661, Ant. Fixed, Slide. Down, Bat. Extended/Area Scan

(61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 19.5 V/m; Power Drift = -0.01 dB

Maximum value of SAR (interpolated) = 0.652 mW/g

Ear/Tilt, Ch.661, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

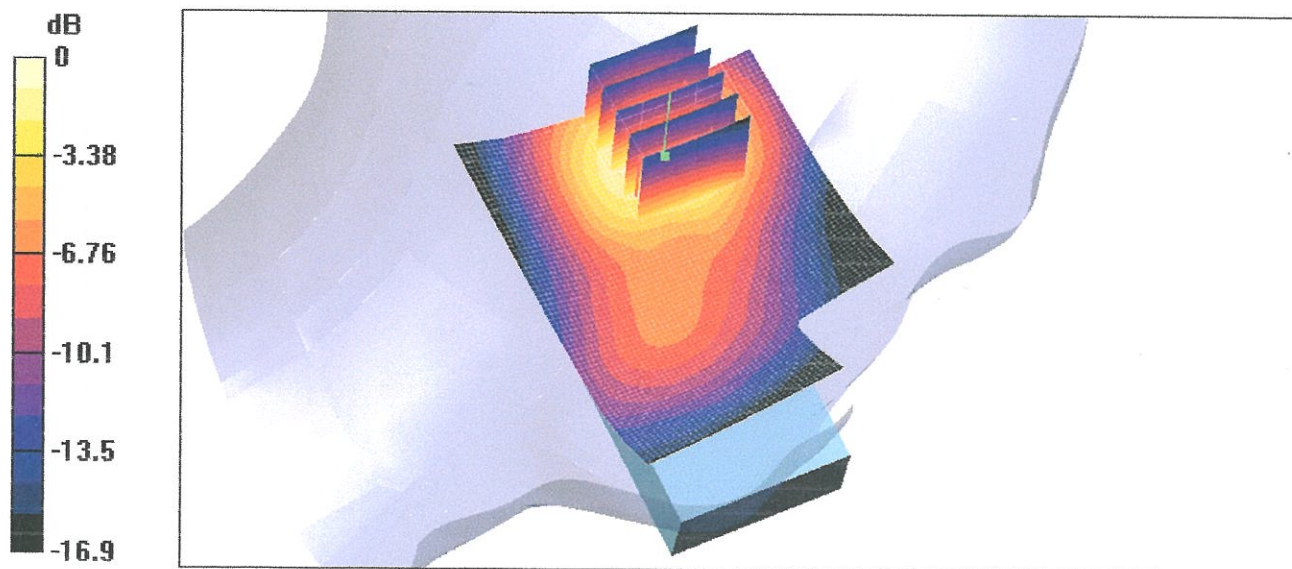
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.5 V/m; Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.637 mW/g

Peak SAR (extrapolated) = 0.967 W/kg

SAR(1 g) = 0.584 mW/g



SAMSUNG FCC ID: A3LSGHS341I -- 1900MHz GSM1900 Body SAR

DUT: SGH-S341i (Down) Body; Serial: FB-029-C

Program Name: SGH-S341i GSM1900 Mode Body (Job No.: FB-029)

Procedure Name: Body, Ch 810, Ant. Fixed, Slide. Down, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-03/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used : $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.51, 4.51, 4.51); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch 810, Ant. Fixed, Slide. Down, Bat. Extended/Area Scan

(51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 13.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.470 mW/g

Body, Ch 810, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

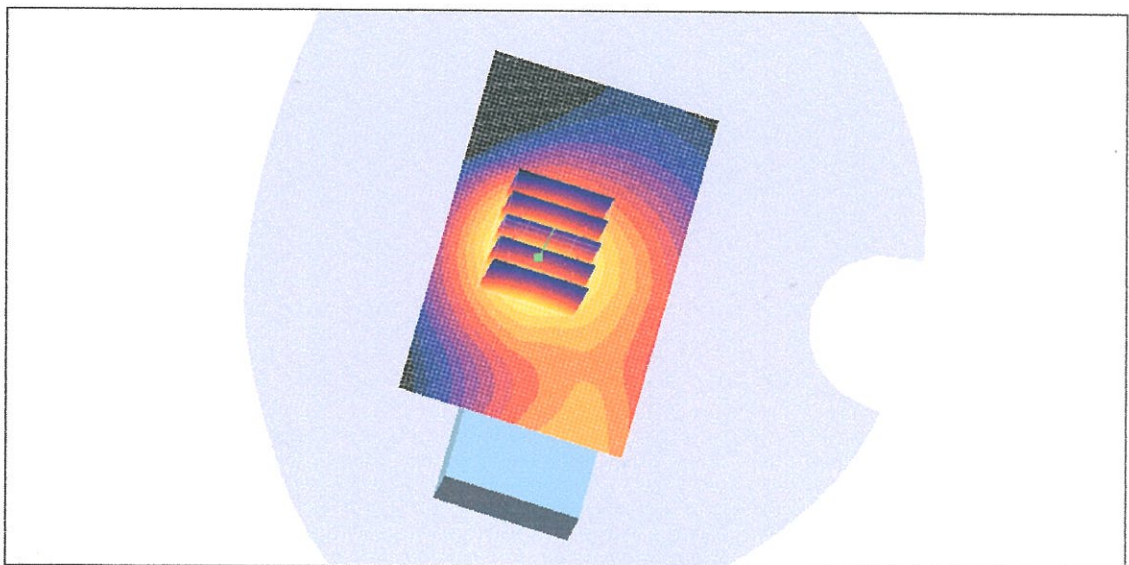
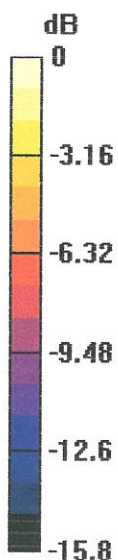
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.461 mW/g

Peak SAR (extrapolated) = 0.677 W/kg

SAR(1 g) = 0.423 mW/g



SAMSUNG FCC ID: A3LSGHS341I -- 1900MHz GPRS1900 Body SAR

DUT: SGH-S341i (Down) Body; Serial: FB-029-C

Program Name: SGH-S341i GPRS1900 Mode Body (Job No.: FB-029)

Procedure Name: Body, Ch 810, Ant. Fixed, Slide. down, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-03/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used : $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.51, 4.51, 4.51); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch 810, Ant. Fixed, Slide. down, Bat. Extended/Area Scan

(51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 19.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.942 mW/g

Body, Ch 810, Ant. Fixed, Slide. down, Bat. Extended/Zoom Scan

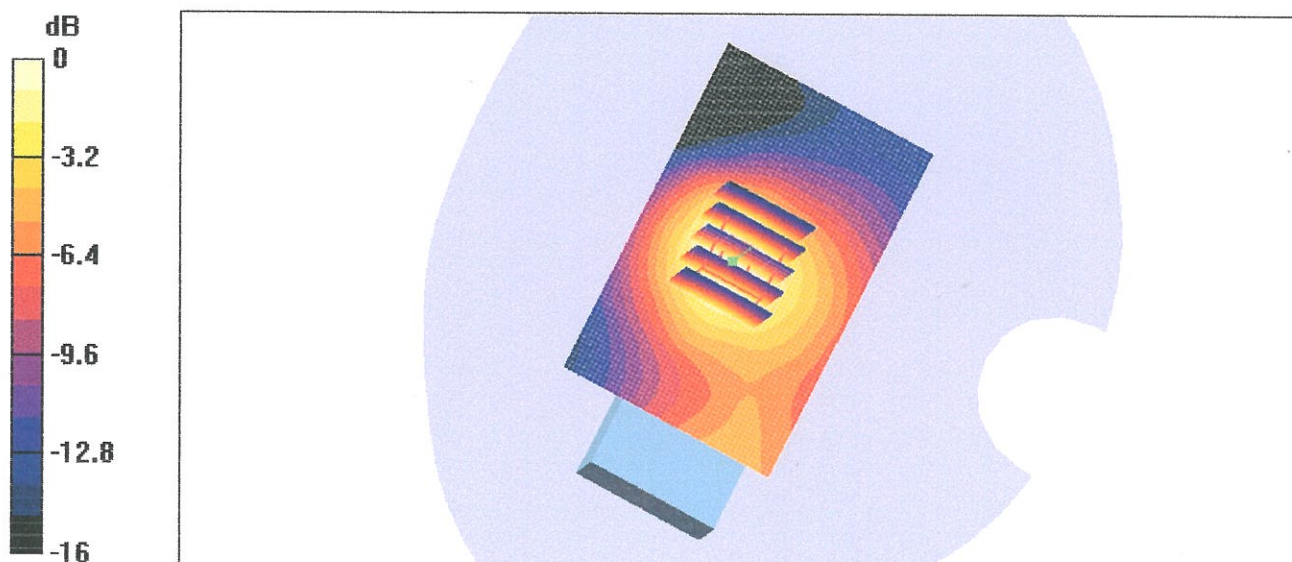
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.897 mW/g

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.822 mW/g



DUT: SGH-S341i (Down); Serial: FB-029-C

Program Name: SGH-S341i GSM1900 Left(Job No.: FB-029)

Procedure Name: Cheek/Touch, Ch.810, Ant. Fixed, Slide. Down, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.8;Test Date-03/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: $f = 1909.8$; $\sigma = 1.39$; mho/m, $\epsilon_r = 38.4405$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.810, Ant. Fixed, Slide. Down, Bat. Extended/Area Scan

(61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 18.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.713 mW/g

Cheek/Touch, Ch.810, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

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

Reference Value = 18.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.684 mW/g

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.630 mW/g

Cheek/Touch, Ch.810, Ant. Fixed, Slide. Down, Bat. Extended/Zoom Scan

(5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.457 mW/g

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.424 mW/g



SAMSUNG FCC ID: A3LSGHS341I -- 1900MHz GPRS1900 Body SAR

DUT: SGH-S341i (Down) Body; Serial: FB-029-C

Program Name: SGH-S341i GPRS1900 Mode Body (Job No.: FB-029)

Procedure Name: Body, Ch 810, Ant. Fixed, Slide. down, Bat. Extended

Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-03/Jun/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used : $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.51, 4.51, 4.51); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800MHz with CRP; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch 810, Ant. Fixed, Slide. down, Bat. Extended/Area Scan

(51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 19.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.942 mW/g

Body, Ch 810, Ant. Fixed, Slide. down, Bat. Extended/Zoom Scan

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

Reference Value = 19.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.897 mW/g

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.822 mW/g

