

SAMSUNG FCC ID: A3LSGHD428 -- 1900MHz GSM1900 Head SAR

DUT: SGH-D428 (Down); Serial: FB-026-C

Program Name: SGH-D428 GSM1900 Right (Job No.: FB-026)

Procedure Name: Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-31/May/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

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.Standard/Area Scan

(61x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 17.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.513 mW/g

Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan

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

Reference Value = 17.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.507 mW/g

Peak SAR (extrapolated) = 0.695 W/kg

SAR(1 g) = 0.464 mW/g

Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan

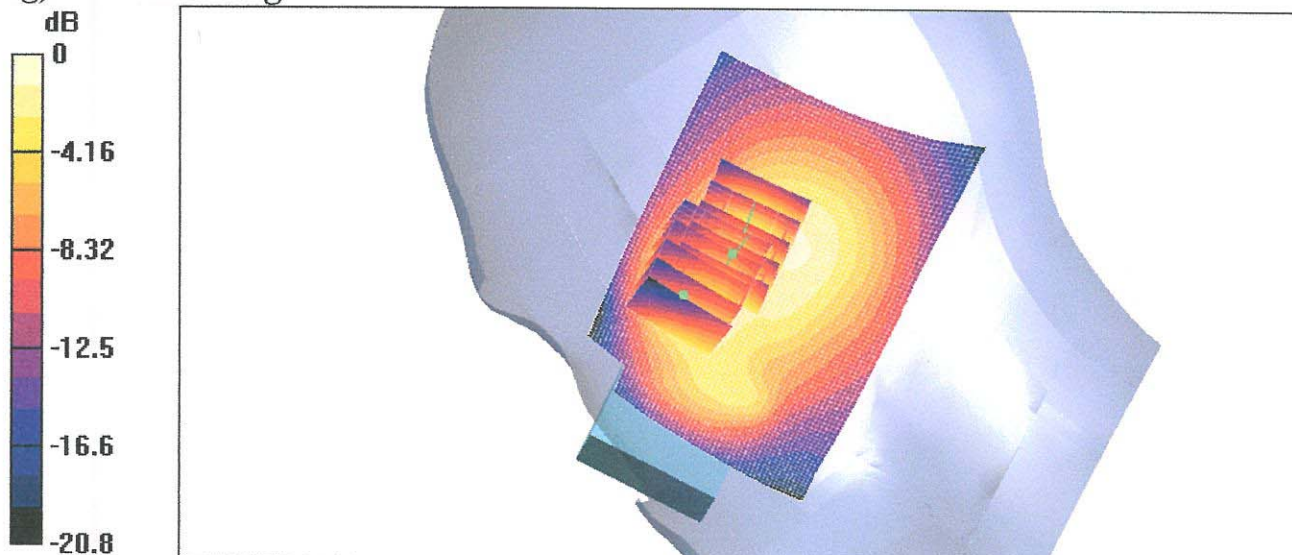
(5x5x7)/Cube 1: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.432 mW/g

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.374 mW/g



SAMSUNG FCC ID: A3LSGHD428 -- 1900MHz GSM1900 Head SAR

DUT: SGH-D428 (Down); Serial: FB-026-C

Program Name: SGH-D428 GSM1900 Right (Job No.: FB-026)

Procedure Name: Ear/Tilt, Ch.661, Ant. Fixed, Slide down, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-31/May/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$

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.Standard/Area Scan

(61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 16.1 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.364 mW/g

Ear/Tilt, Ch.661, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan

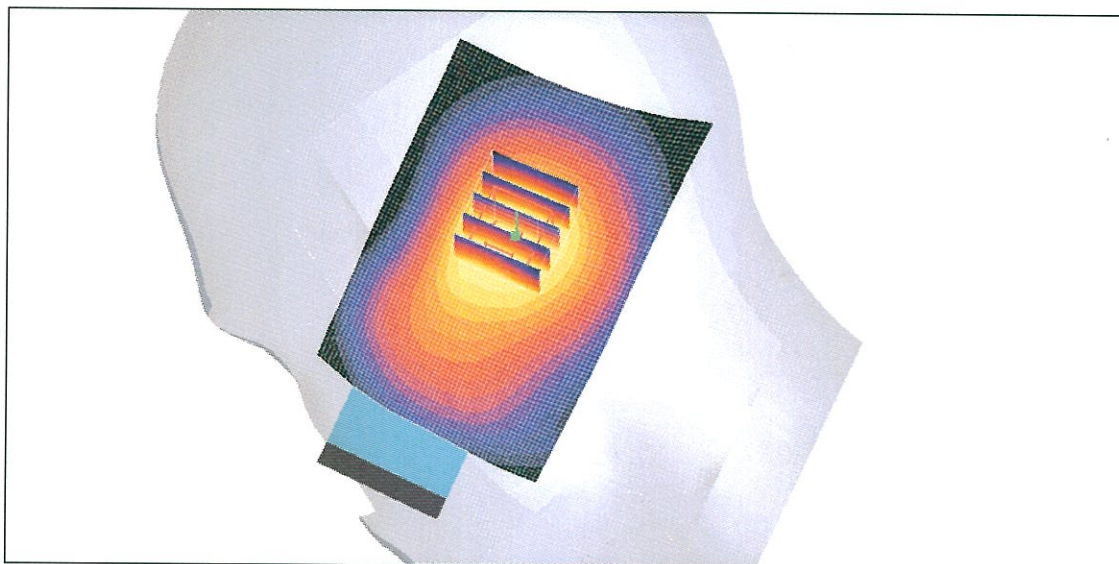
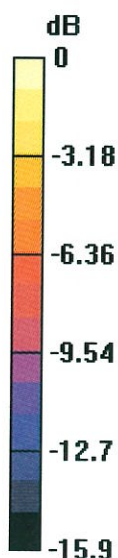
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.1 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.342 mW/g

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.321 mW/gmW/g



0 dB = 0.342mW/g

DUT: SGH-D428 (Down); Serial: FB-026-C

Program Name: SGH-D428 GSM1900 Left (Job No.: FB-026)

Procedure Name: Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-31/May/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$

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.512, Ant. Fixed, Slide down, Bat.Standard/Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 16 V/m; Power Drift = 0.0002 dB

Maximum value of SAR (interpolated) = 0.383 mW/g

Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16 V/m; Power Drift = 0.0002 dB

Maximum value of SAR (measured) = 0.366 mW/g

Peak SAR (extrapolated) = 0.577 W/kg

SAR(1 g) = 0.340 mW/g

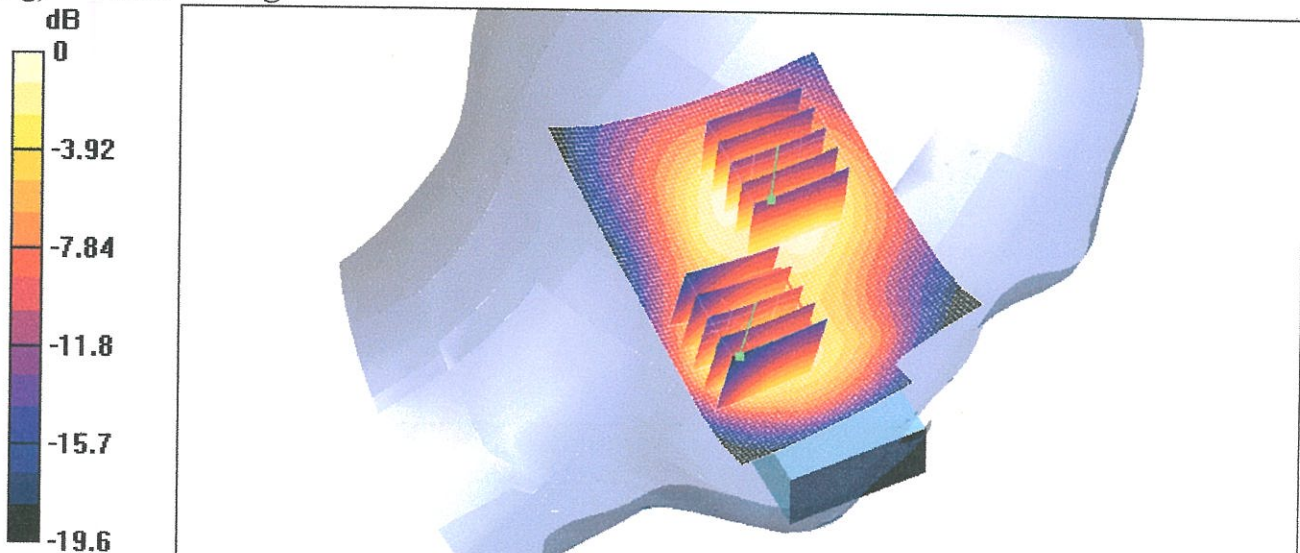
Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16 V/m; Power Drift = 0.0002 dB

Maximum value of SAR (measured) = 0.352 mW/g

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.325 mW/g



SAMSUNG FCC ID: A3LSGHD428 -- 1900MHz GSM1900 Head SAR

DUT: SGH-D428 (Down); Serial: FB-026-C

Program Name: SGH-D428 GSM1900 Left (Job No.: FB-026)

Procedure Name: Ear/Tilt, Ch.661, Ant. Fixed, Slide down, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-31/May/2004[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$

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.Standard/Area Scan

(61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 15.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.384 mW/g

Ear/Tilt, Ch.661, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan

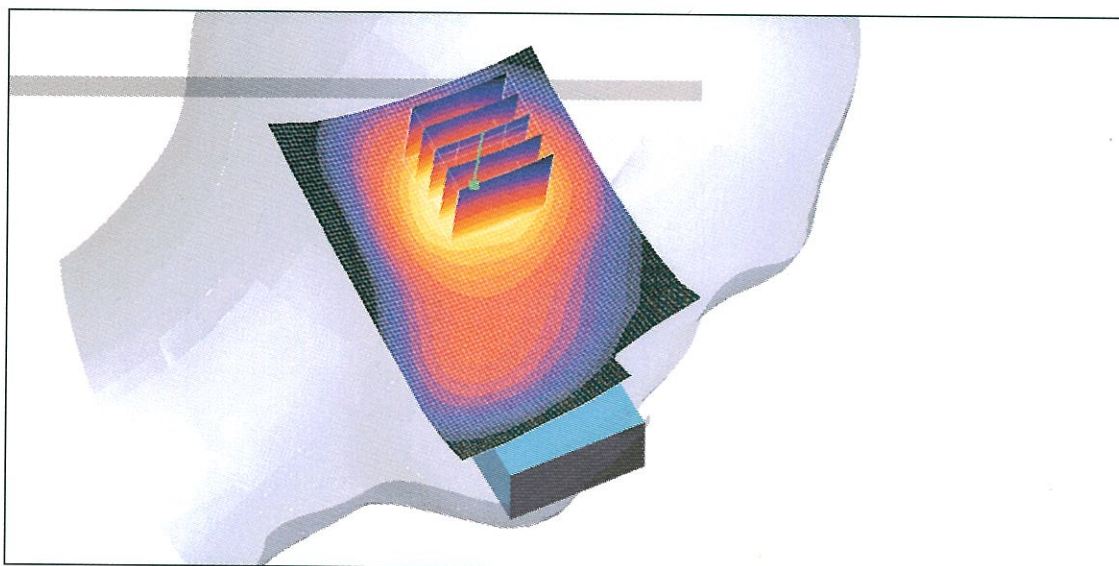
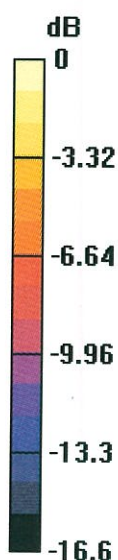
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.363 mW/g

Peak SAR (extrapolated) = 0.540 W/kg

SAR(1 g) = 0.335 mW/g



0 dB = 0.363mW/g

SAMSUNG FCC ID: A3LSGHD428 -- 1900MHz GSM1900 Body SAR

DUT: SGH-D428 (Down); Serial: FB-026-C

Program Name: SGH-D428 GSM1900 Mode Body (Job No.FB-026)

Procedure Name: Body, Ch 512, Ant. Fixed, Slide down, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test date-24/May/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body 1900 ; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 1.54$; mho/m, $\epsilon_r = 51.3802$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical 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 512, Ant. Fixed, Slide down, Bat.Standard/Area Scan

(61x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.97 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.340 mW/g

Body, Ch 512, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan

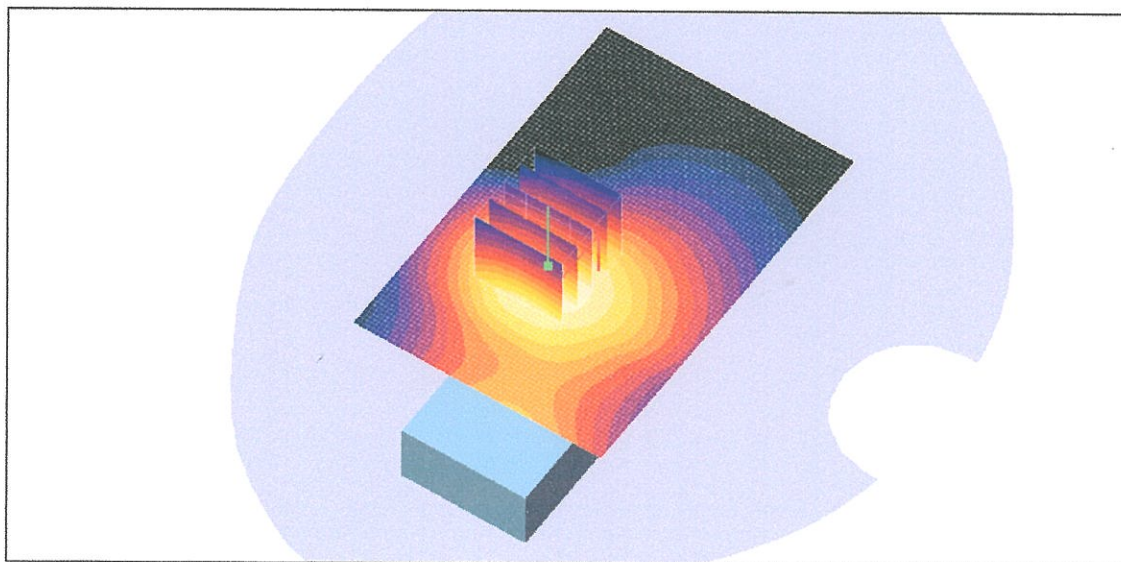
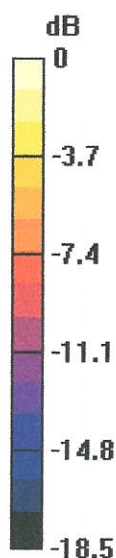
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.97 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.308 mW/g

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.287 mW/g



DUT: SGH-D428 (Down); Serial: FB-026-C

Program Name: SGH-D428 GSM1900 Right (Job No.: FB-026)

Procedure Name: Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-31/May/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

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.Standard/Area Scan

(61x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 17.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.513 mW/g

Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan

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

Reference Value = 17.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.507 mW/g

Peak SAR (extrapolated) = 0.695 W/kg

SAR(1 g) = 0.464 mW/g

Cheek/Touch, Ch.512, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan

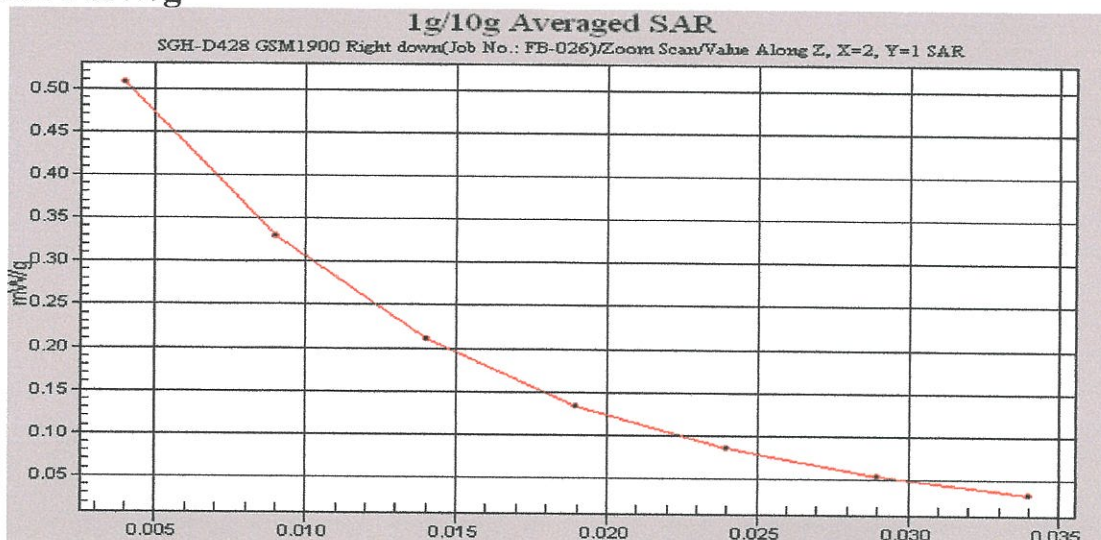
(5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.432 mW/g

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.374 mW/g



SAMSUNG FCC ID: A3LSGHD428 -- 1900MHz GSM1900 Body SAR

DUT: SGH-D428 (Down); Serial: FB-026-C

Program Name: SGH-D428 GSM1900 Mode Body (Job No.FB-026)

Procedure Name: Body, Ch 512, Ant. Fixed, Slide down, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test date-24/May/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body 1900 ; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 1.54$; mho/m, $\epsilon_r = 51.3802$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical 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 512, Ant. Fixed, Slide down, Bat.Standard/Area Scan

(61x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.97 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.340 mW/g

Body, Ch 512, Ant. Fixed, Slide down, Bat.Standard/Zoom Scan

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

Reference Value = 7.97 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.308 mW/g

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.287 mW/g

