

SAMSUNG FCC ID : A3LSGHE720 -- 1900MHz PCS CDMA Head SAR

DUT: SGH-E720; Serial: FC-009-C

Program Name: SGH-E720 GSM1900 Right (Job No.: FC-009)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.4$; mho/m, $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.903 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.729 mW/g

Maximum value of SAR (measured) = 0.794 mW/g

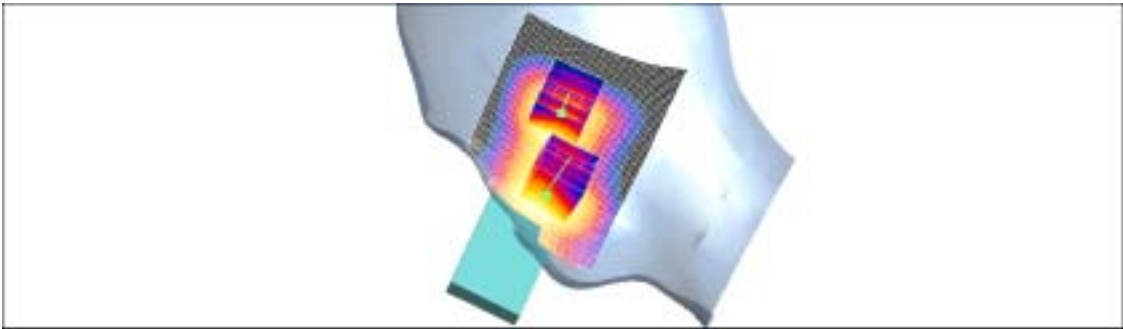
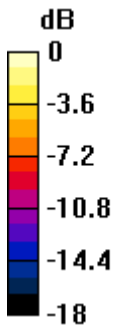
Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.959 W/kg

SAR(1 g) = 0.609 mW/g

Maximum value of SAR (measured) = 0.677 mW/g



0 dB = 0.677mW/g

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DUT: SGH-E720; Serial: FC-009-C

Program Name: SGH-E720 GSM1900 Right (Job No.: FC-009)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.4$; mho/m, $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

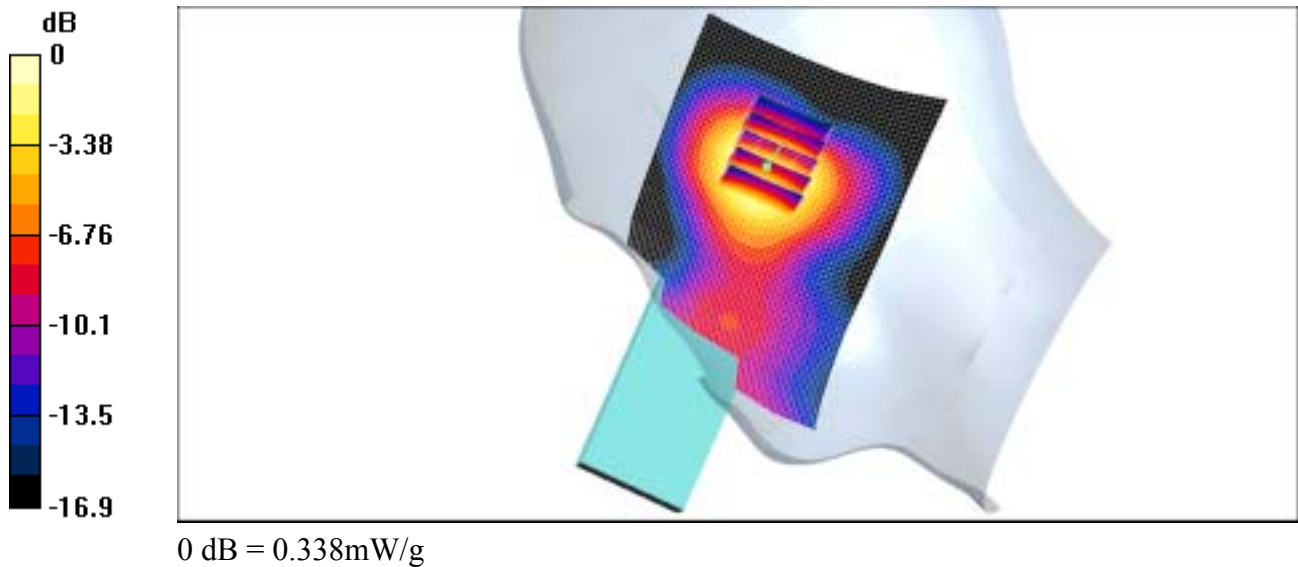
Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.466 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 0.472 W/kg
SAR(1 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.338 mW/g



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Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.4$; mho/m, $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.735 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.639 mW/g

Maximum value of SAR (measured) = 0.689 mW/g

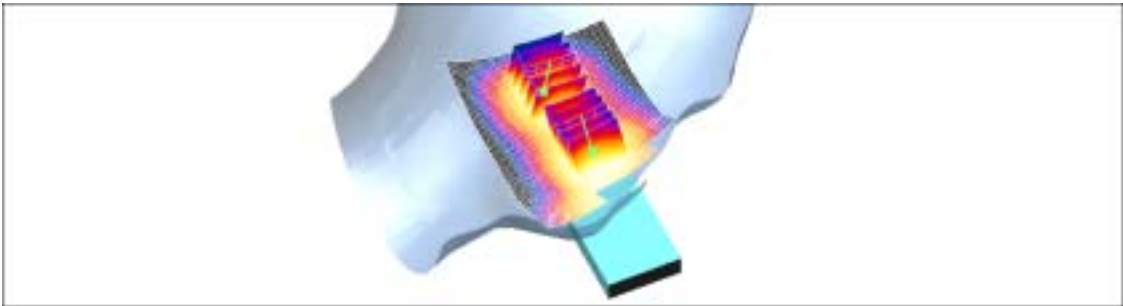
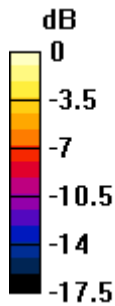
Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.479 mW/g

Maximum value of SAR (measured) = 0.511 mW/g



0 dB = 0.511mW/g

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DUT: SGH-E720; Serial: FC-009-C

Program Name: SGH-E720 GSM1900 Left (Job No.: FC-009)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.4$; mho/m, $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

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

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,

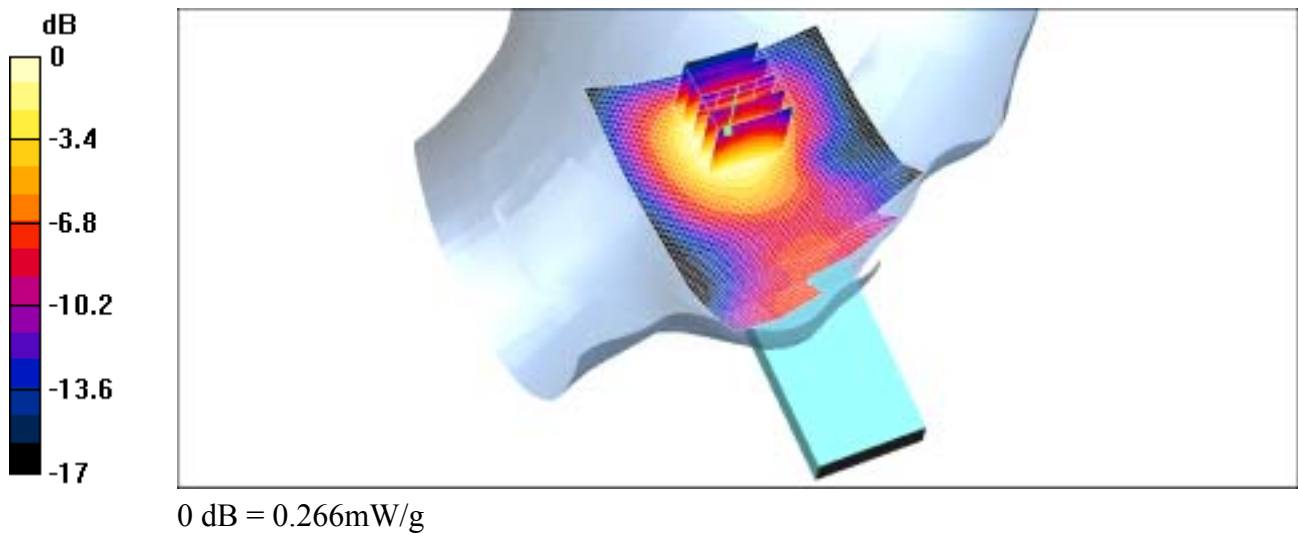
dy=8mm, dz=5mm

Reference Value = 10.1 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.266 mW/g



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DUT: SGH-E720; Serial: FC-009-C

Program Name: SGH-E720 GSM1900 Right (Job No.: FC-009)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.4$; mho/m, $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek/Touch, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard/Area Scan (51x81x1): Measurement

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.928 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 11.9 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.748 mW/g

Maximum value of SAR (measured) = 0.808 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard/Zoom Scan (5x5x7)/Cube 1:

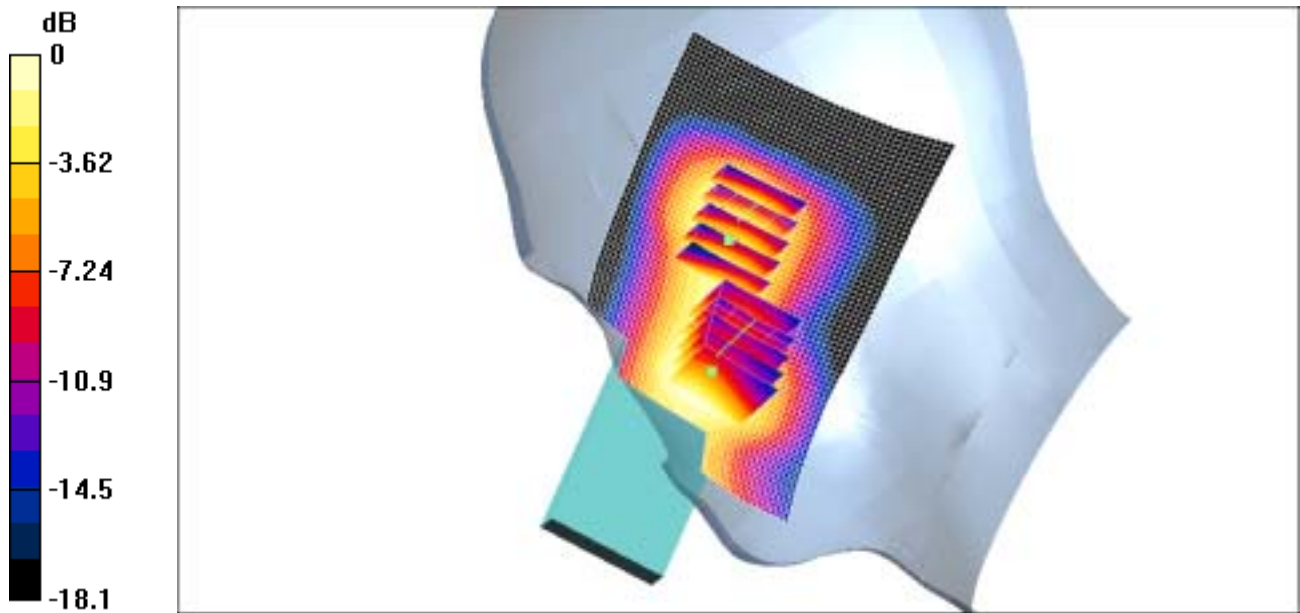
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.972 W/kg

SAR(1 g) = 0.624 mW/g

Maximum value of SAR (measured) = 0.677 mW/g



SAMSUNG FCC ID : A3LSGHE720 -- 1900MHz GSM1900 Body SAR

DUT: SGH-E720 (Body); Serial: FC-009-C

Program Name: SGH-E720 GPRS1900 Body (Job No.: FC-009)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM1900 GPRS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $\sigma = 1.57$; mho/m, $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.46, 4.46, 4.46); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- 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.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.545 mW/g

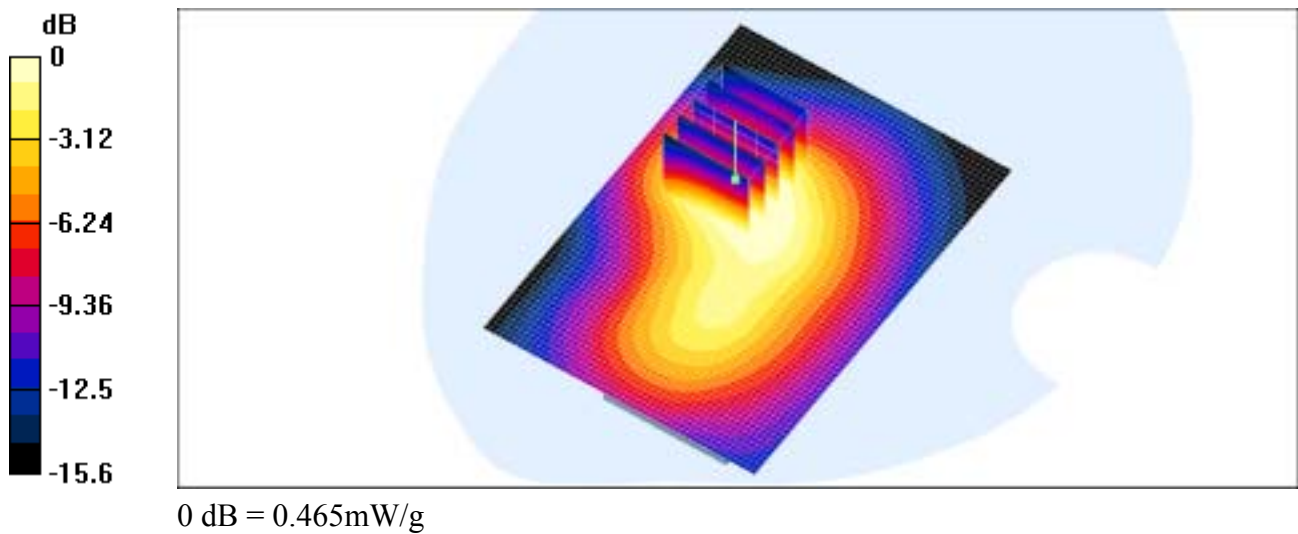
Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.694 W/kg

SAR(1 g) = 0.431 mW/g

Maximum value of SAR (measured) = 0.465 mW/g



SAMSUNG FCC ID : A3LSGHE720 -- 1900MHz PCS CDMA Body SAR

DUT: SGH-E720 (Body); Serial: FC-009-C

Program Name: SGH-E720 GPRS1900 Body (Job No.: FC-009)

Procedure Name: Body, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM1900 GPRS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $\sigma = 1.57$; mho/m, $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.46, 4.46, 4.46); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- 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.810, Ant.Intenna, Bluetooth On, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.536 mW/g

Body, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

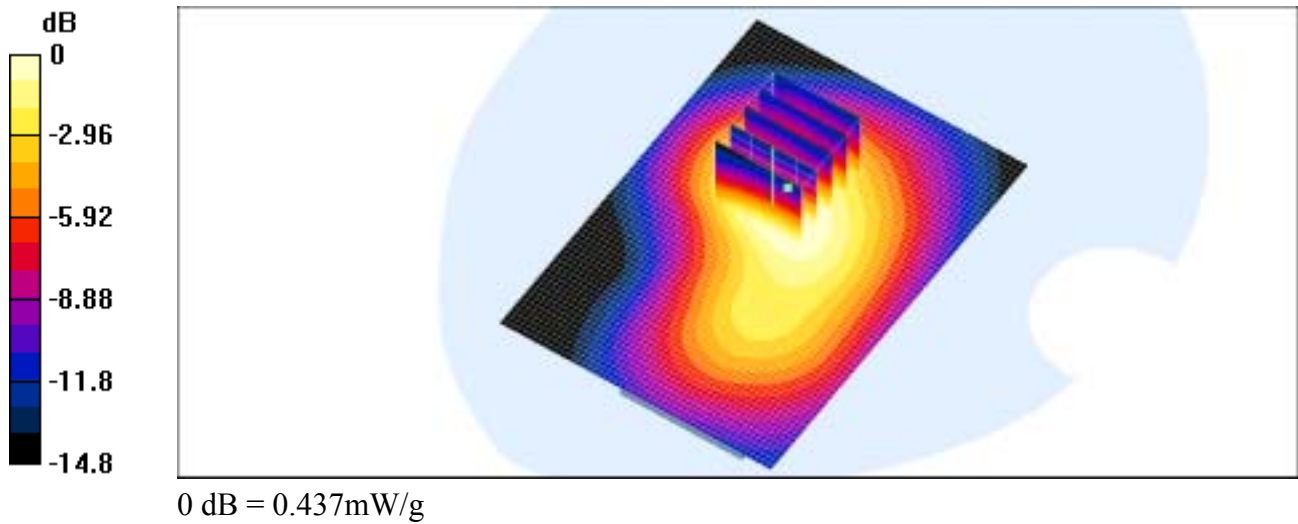
dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.402 mW/g

Maximum value of SAR (measured) = 0.437 mW/g



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Program Name: SGH-E720 GSM1900 Right (Job No.: FC-009)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $\sigma = 1.4$; mho/m, $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.11, 5.11, 5.11); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek/Touch, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.928 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 11.9 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.748 mW/g

Maximum value of SAR (measured) = 0.808 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bluetooth On, Bat.Standard/Zoom Scan (5x5x7)/Cube 1:

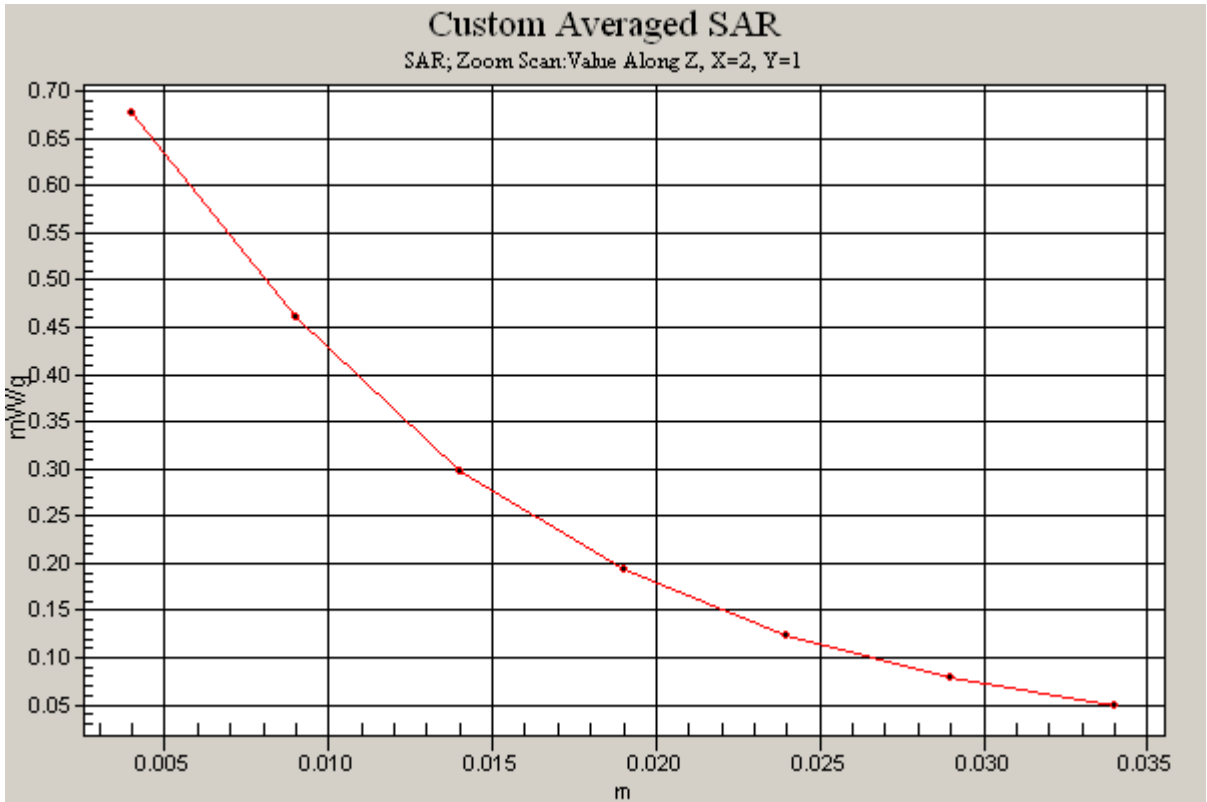
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.972 W/kg

SAR(1 g) = 0.624 mW/g

Maximum value of SAR (measured) = 0.677 mW/g



SAMSUNG FCC ID : A3LSGHE720 -- 1900MHz GSM1900 Body SAR

DUT: SGH-E720 (Body); Serial: FC-009-C

Program Name: SGH-E720 GPRS1900 Body (Job No.: FC-009)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.7;Test Date-14/Jan/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM1900 GPRS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $\sigma = 1.57$; mho/m, $\epsilon_r = 51.3743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.46, 4.46, 4.46); Calibrated: 2004-09-24
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- 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.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.545 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.694 W/kg

SAR(1 g) = 0.431 mW/g

Maximum value of SAR (measured) = 0.465 mW/g

