

SAMSUNG FCC ID : A3LSGHI270 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i270; Serial: FC-015-C

Program Name: SGH-i270 GSM1900 Right (Job No. : FC-015)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-28/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: $f = 1909.8$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek/Touch, Ch.810, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.35 mW/g

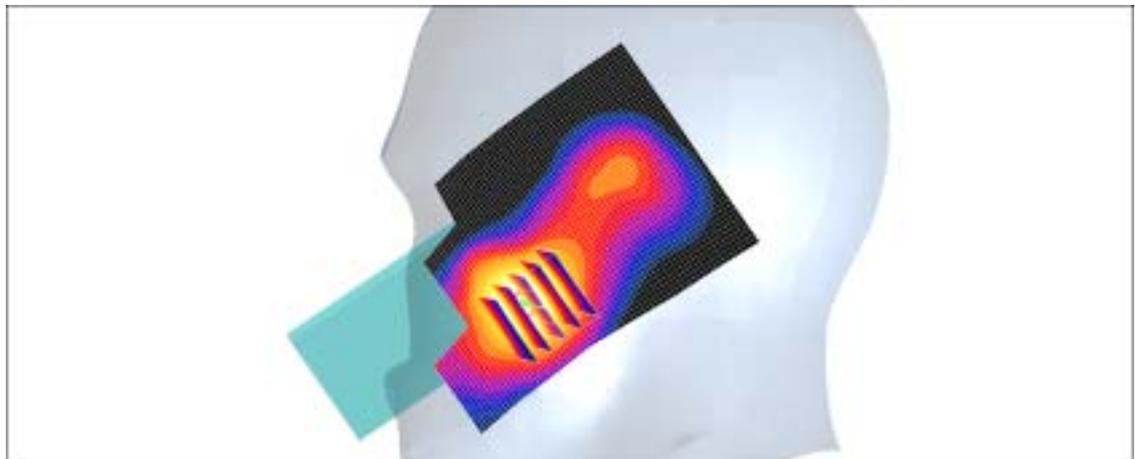
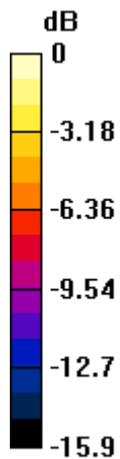
Cheek/Touch, Ch.810, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.5 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.2 mW/g

Maximum value of SAR (measured) = 1.33 mW/g



0 dB = 1.33mW/g

SAMSUNG FCC ID : A3LSGHI270 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i270; Serial: FC-015-C

Program Name: SGH-i270 GSM1900 Right (Job No. : FC-015)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-28/Jan/2005 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

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

Maximum value of SAR (interpolated) = 0.256 mW/g

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

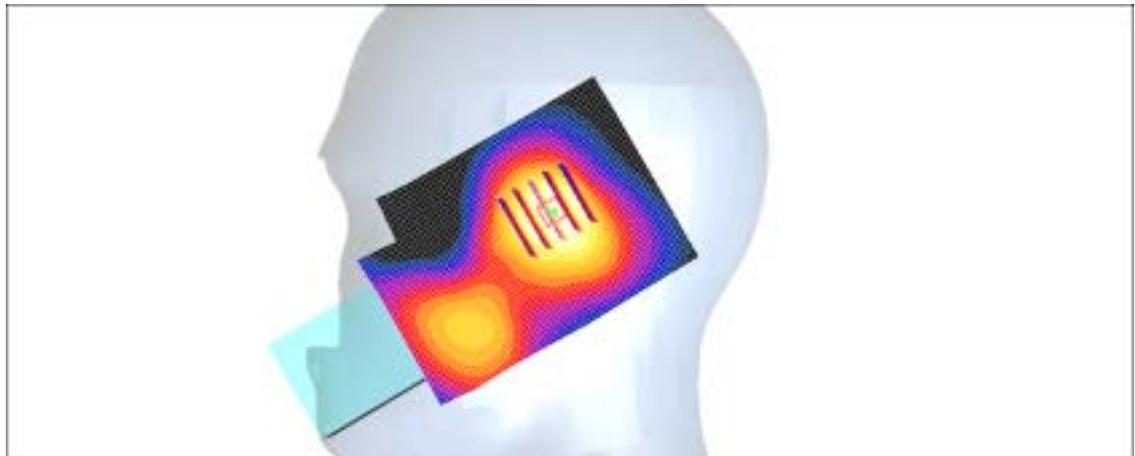
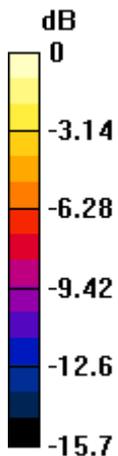
dy=8mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.185 mW/g

Maximum value of SAR (measured) = 0.201 mW/g



0 dB = 0.201mW/g

SAMSUNG FCC ID : A3LSGHI270 - 1900MHz GSM1900 Head SAR

DUT: SGH-i270; Serial: FC-015-C

Program Name: SGH-i270 GSM1900 Left (Job No. : FC-015)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-28/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: $f = 1909.8$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek/Touch, Ch.810, Ant.Fixed, Bat. Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

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

Cheek/Touch, Ch.810, Ant.Fixed, Bat. Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

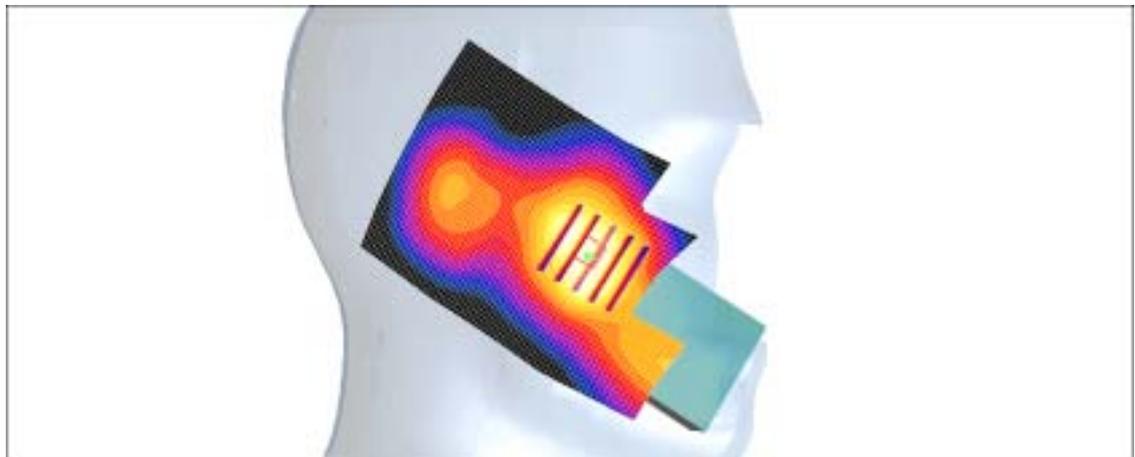
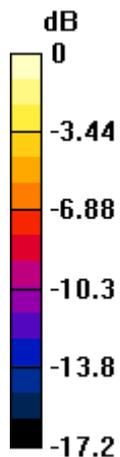
dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.951 mW/g

Maximum value of SAR (measured) = 0.993 mW/g



0 dB = 0.993mW/g

SAMSUNG FCC ID : A3LSGHI270 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i270; Serial: FC-015-C

Program Name: SGH-i270 GSM1900 Left (Job No. : FC-015)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-28/Jan/2005 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

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

Maximum value of SAR (interpolated) = 0.207 mW/g

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

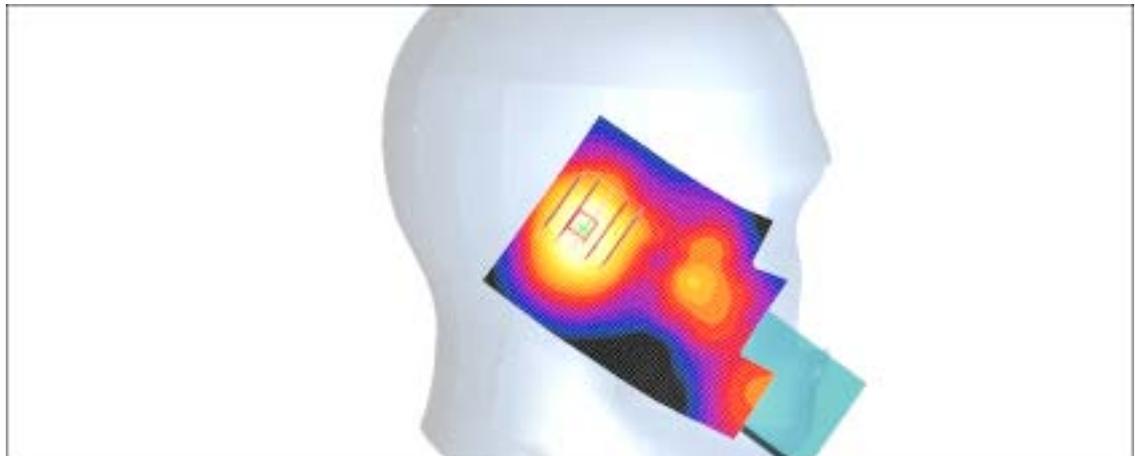
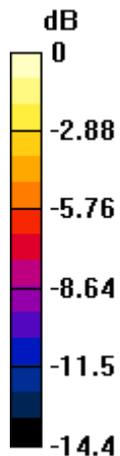
dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.162 mW/g

Maximum value of SAR (measured) = 0.173 mW/g



0 dB = 0.173mW/g

SAMSUNG FCC ID : A3LSGHI270 -- 1900MHz GSM1900 Body SAR

DUT: SGH-i270(Body); Serial: FC-015-C

Program Name: SGH-i270 GSM1900 Body (Job No. : FC-015)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-28/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: $f = 1909.8$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.51, 4.51, 4.51); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Body, Ch.810, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.431 mW/g

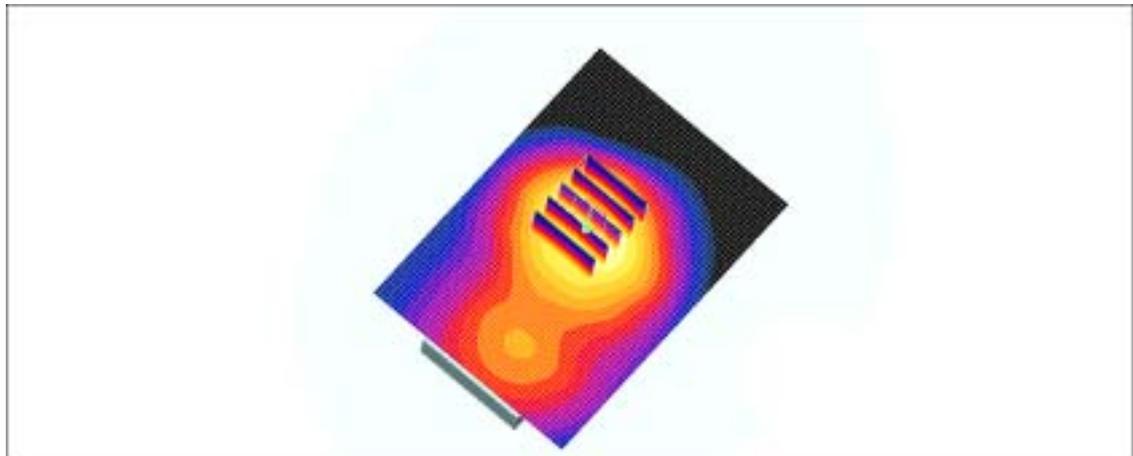
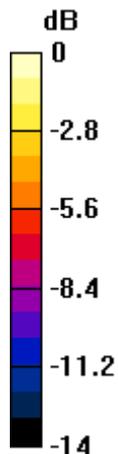
Body, Ch.810, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.379 mW/g



0 dB = 0.379mW/g

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DUT: SGH-i270; Serial: FC-015-C

Program Name: SGH-i270 GSM1900 Right (Job No. : FC-015)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-28/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: $f = 1909.8$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek/Touch, Ch.810, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.35 mW/g

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

Reference Value = 13.5 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.2 mW/g

Maximum value of SAR (measured) = 1.33 mW/g



SAMSUNG FCC ID : A3LSGHI270 -- 1900MHz GSM1900 Body SAR

DUT: SGH-i270(Body); Serial: FC-015-C

Program Name: SGH-i270 GSM1900 Body (Job No. : FC-015)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-28/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: $f = 1909.8$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.51, 4.51, 4.51); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Body, Ch.810, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.431 mW/g

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

Reference Value = 15 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.379 mW/g

