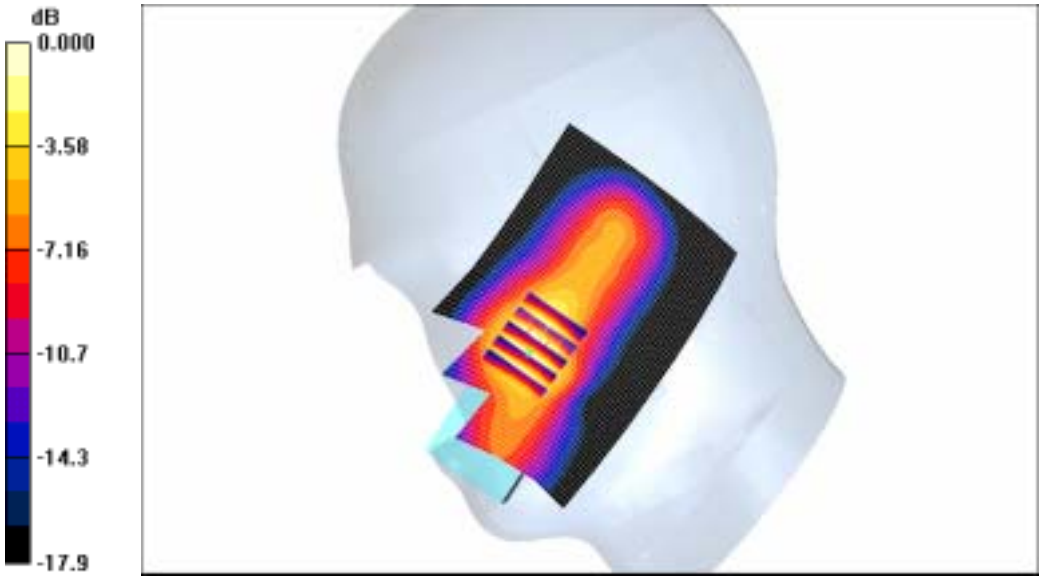
SAMSUNG FCC ID : A3LSGHX520 GSM1900 HEAD SAR

DUT: SGH-X520;
Program Name: SGH-X520 GSM1900 Right (Job No. : FD-193)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.6; Test Date-16/Oct/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.785 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 = 17.2 V/m; Power Drift = -0.074 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.823 mW/g
Maximum value of SAR (measured) = 0.923 mW/g



0 dB = 0.923mW/g

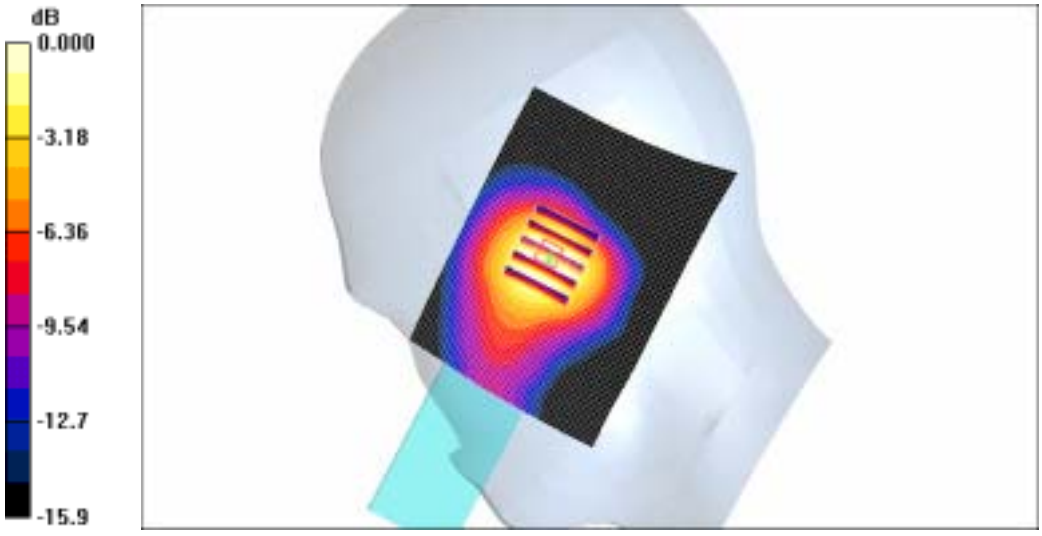
SAMSUNG FCC ID : A3LSGHX520 GSM1900 HEAD SAR

DUT: SGH-X520;
Program Name: SGH-X520 GSM1900 Right (Job No. : FD-193)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.6; Test Date-16/Oct/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.186 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 = 4.06 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 0.204 W/kg
SAR(1 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.150 mW/g



0 dB = 0.150mW/g

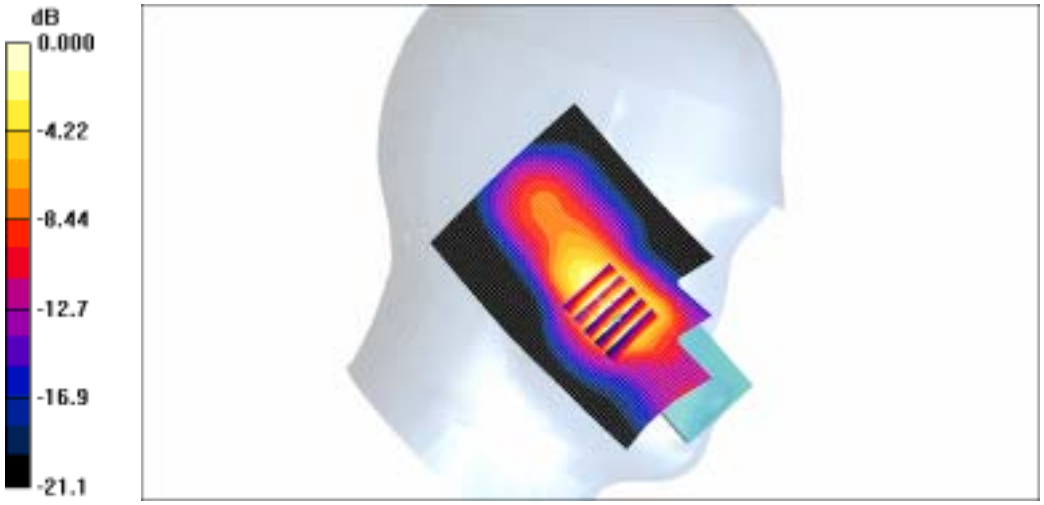
SAMSUNG FCC ID : A3LSGHX520 GSM1900 HEAD SAR

DUT: SGH-X520;
Program Name: SGH-X520 GSM1900 Left (Job No. : FD-193)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.6; Test Date-16/Oct/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.31 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 = 23.0 V/m; Power Drift = -0.078 dB
Peak SAR (extrapolated) = 3.01 W/kg
SAR(1 g) = 1.36 mW/g
Maximum value of SAR (measured) = 1.45 mW/g



0 dB = 1.45mW/g

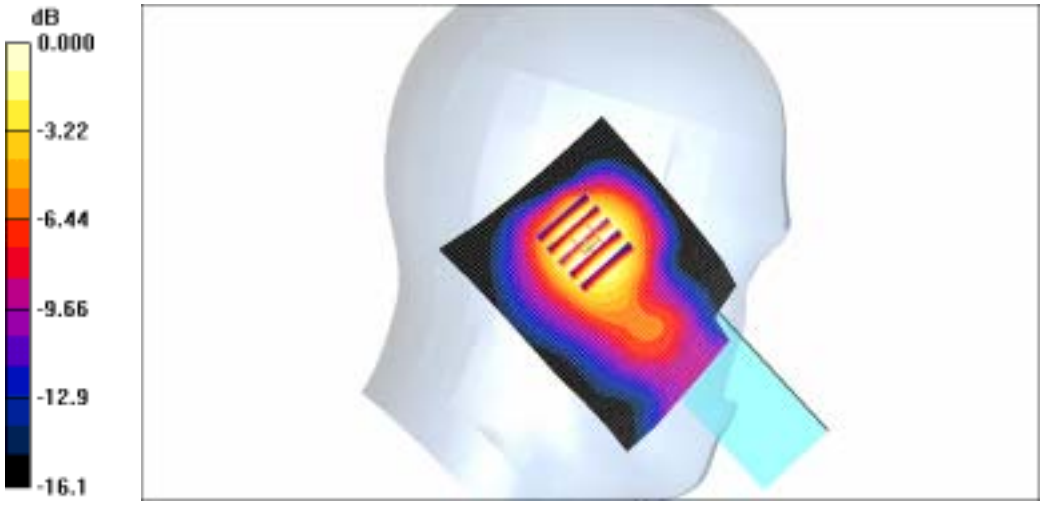
SAMSUNG FCC ID : A3LSGHX520 GSM1900 HEAD SAR

DUT: SGH-X520;
Program Name: SGH-X520 GSM1900 Left (Job No. : FD-193)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.6; Test Date-16/Oct/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.172 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 = 9.35 V/m; Power Drift = -0.080 dB
Peak SAR (extrapolated) = 0.186 W/kg
SAR(1 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.137 mW/g



0 dB = 0.137mW/g

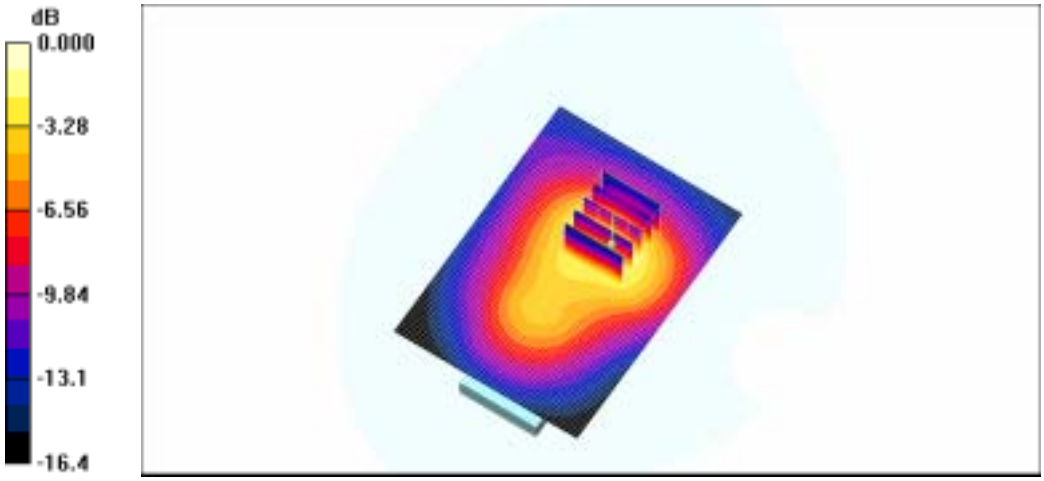
SAMSUNG FCC ID : A3LSGHX520 GPRS1900 Body SAR

DUT: SGH-X520(Body);
Program Name: SGH-X520 GSM1900 Body (Job No. : FD-193)
Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.6; Test Date-16/Oct/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.51 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.254 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.2 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.375 W/kg
SAR(1 g) = 0.243 mW/g
Maximum value of SAR (measured) = 0.273 mW/g



0 dB = 0.273mW/g

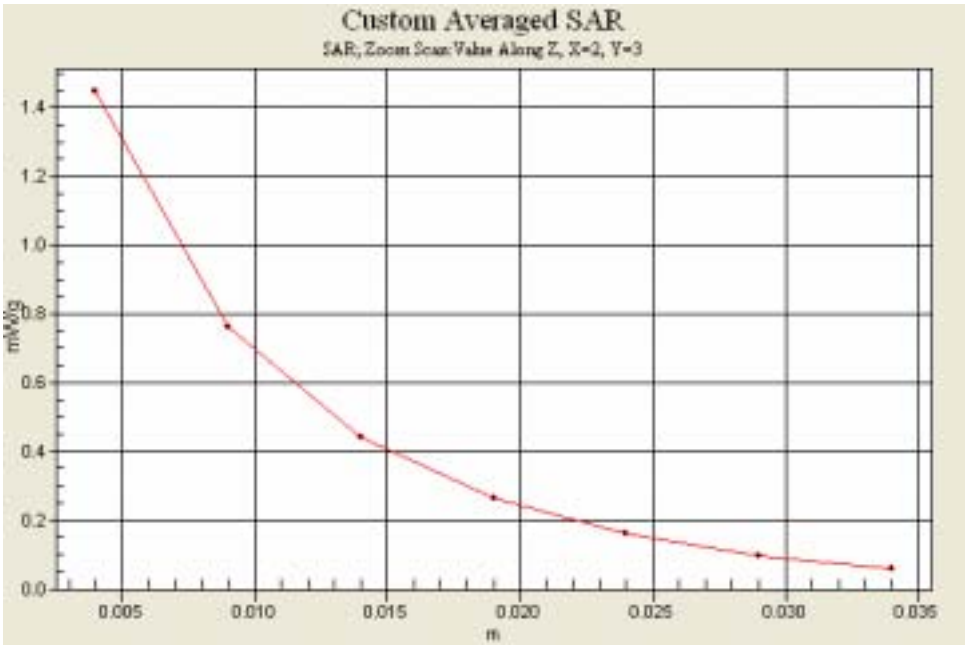
SAMSUNG FCC ID : A3LSGHX520 GSM1900 HEAD SAR

DUT: SGH-X520;
Program Name: SGH-X520 GSM1900 Left (Job No. : FD-193)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.6; Test Date-16/Oct/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.31 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 = 23.0 V/m; Power Drift = -0.078 dB
Peak SAR (extrapolated) = 3.01 W/kg
SAR(1 g) = 1.36 mW/g
Maximum value of SAR (measured) = 1.45 mW/g



SAMSUNG FCC ID : A3LSGHX520 GPRS1900 Body SAR

DUT: SGH-X520(Body);
Program Name: SGH-X520 GSM1900 Body (Job No. : FD-193)
Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.2, Tissue Temp(celsius)-21.6; Test Date-16/Oct/2006

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.51 mho/m; ε_r = 51.4; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.254 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.2 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.375 W/kg
SAR(1 g) = 0.243 mW/g
Maximum value of SAR (measured) = 0.273 mW/g