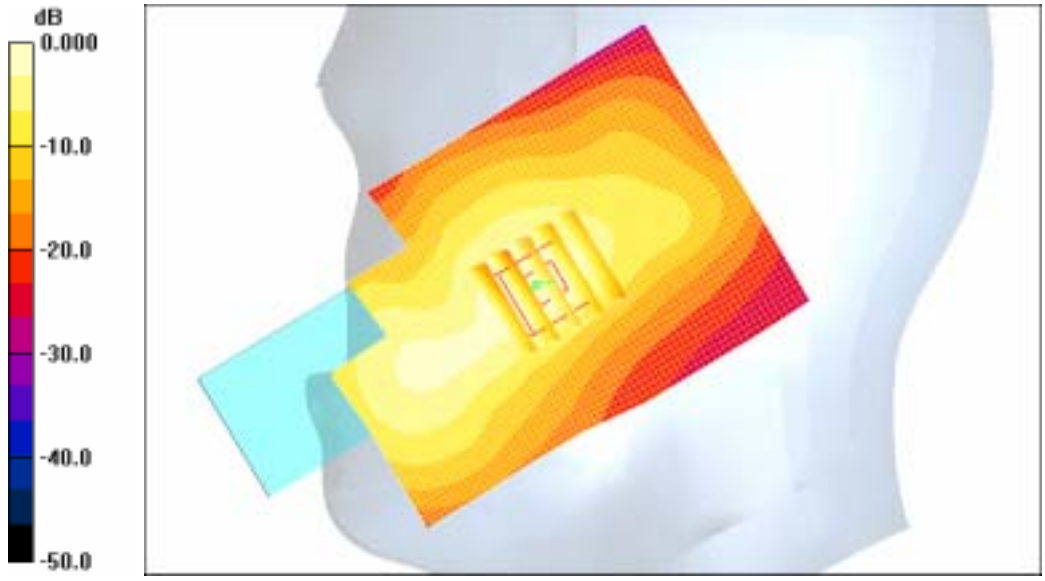
SAMSUNG FCC ID : A3LSGHX550 GSM1900 Head SAR
DUT: SGH-X550; Serial: FD-214-A
Program Name: SGH-X550 GSM1900 Right (Job No. : FD-214)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.7;Test Date-30/Oct/2006
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 40.2; $\rho$ = 1000 kg/$m^3$
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.6 V/m; Power Drift = -0.073 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.903 mW/g
Maximum value of SAR (measured) = 1.01 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.00 mW/g

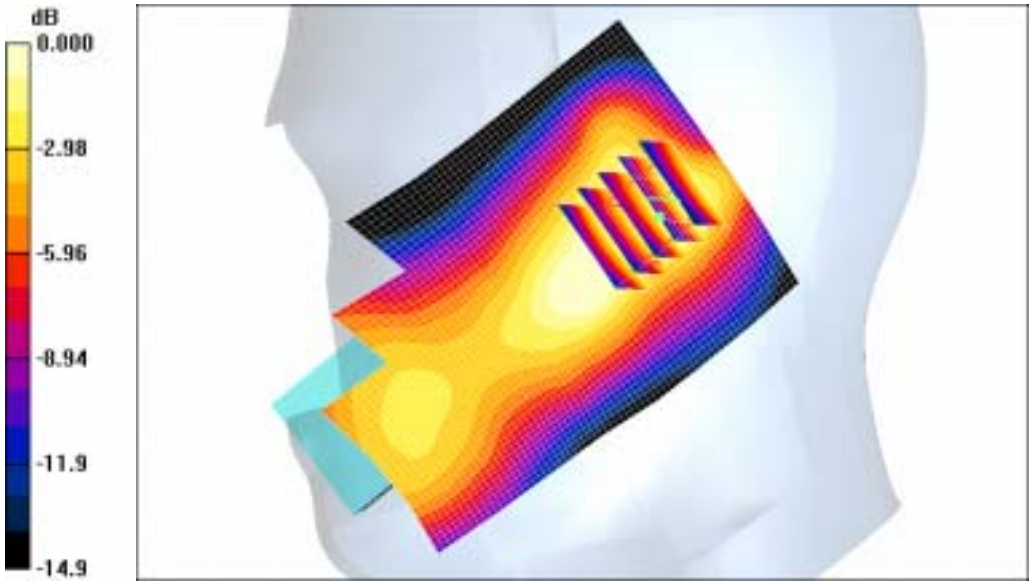



0 dB = 1.00mW/g

SAMSUNG FCC ID : A3LSGHX550 GSM1900 Head SAR
DUT: SGH-X550; Serial: FD-214-A
Program Name: SGH-X550 GSM1900 Right (Job No. : FD-214)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.7;Test Date-30/Oct/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 40.2; $\rho$ = 1000 kg/$m^3$
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.118 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 = 5.89 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 0.146 W/kg
SAR(1 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.096 mW/g

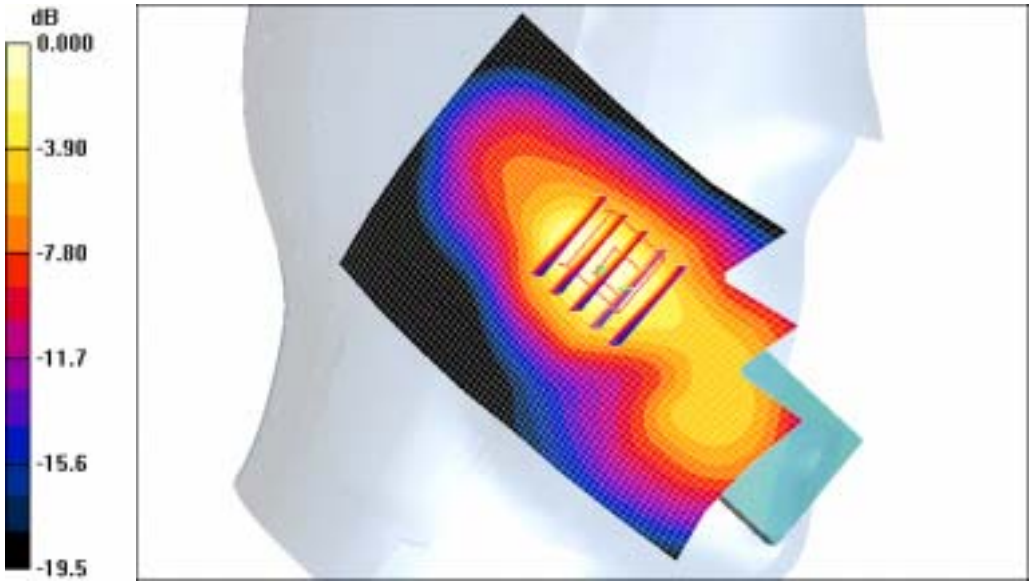



0 dB = 0.096mW/g

SAMSUNG FCC ID : A3LSGHX550 GSM1900 Head SAR
DUT: SGH-X550; Serial: FD-214-A
Program Name: SGH-X550 GSM1900 Left (Job No. : FD-214)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.7;Test Date-30/Oct/2006
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 40.2; $\rho$ = 1000 kg/$m^3$
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.08 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan 2 2 (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.4 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.906 mW/g
Maximum value of SAR (measured) = 0.944 mW/g

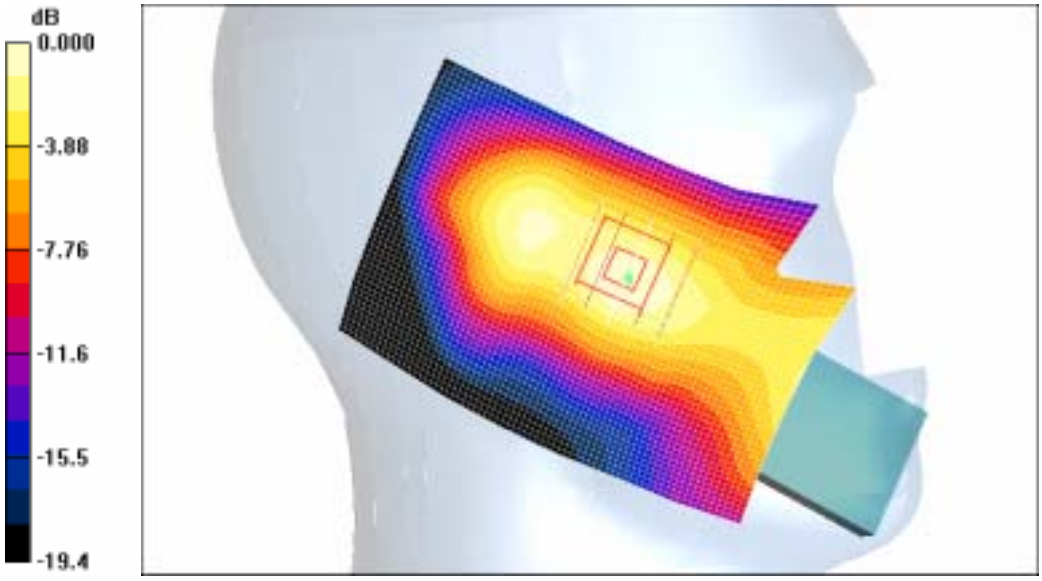



0 dB = 0.944mW/g

SAMSUNG FCC ID : A3LSGHX550 GSM1900 Head SAR
DUT: SGH-X550; Serial: FD-214-A
Program Name: SGH-X550 GSM1900 Left (Job No. : FD-214)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.7;Test Date-30/Oct/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 40.2; $\rho$ = 1000 kg/$m^3$
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.161 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 = 7.16 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.162 mW/g

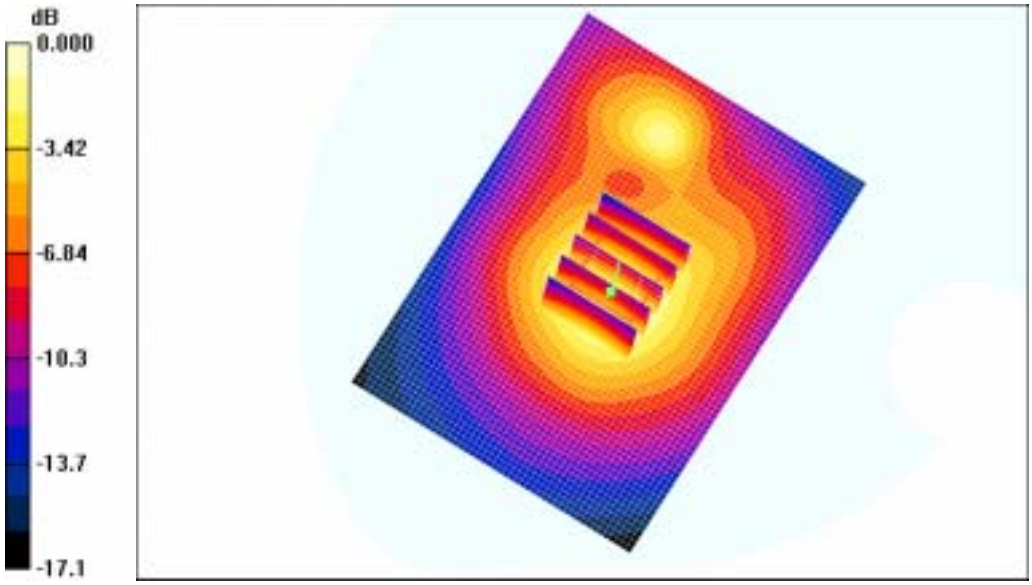



0 dB = 0.162mW/g

SAMSUNG FCC ID : A3LSGHX550 GSM1900 Body SAR
DUT: SGH-X550(BODY); Serial: FD-214-A
Program Name: SGH-X540 GSM1900 Body (Job No. : FD-214)
Procedure Name: Body, Ch.0512, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.8;Test Date-30/Oct/2006
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; $\sigma$ = 1.51 mho/m; $\varepsilon_r$ = 51.7; $\rho$ = 1000 kg/$m^3$
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(4.57, 4.57, 4.57); Calibrated: 2006-09-20
- 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.0512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.61 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.329 W/kg
SAR(1 g) = 0.237 mW/g
Maximum value of SAR (measured) = 0.248 mW/g

Body, Ch.0512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.280 mW/g




0 dB = 0.280mW/g

SAMSUNG FCC ID : A3LSGHX550 GSM1900 Head SAR
DUT: SGH-X550; Serial: FD-214-A
Program Name: SGH-X550 GSM1900 Left (Job No. : FD-214)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.7;Test Date-30/Oct/2006
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 40.2; $\rho$ = 1000 kg/$m^3$
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.08 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan 2 2 (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.4 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.906 mW/g
Maximum value of SAR (measured) = 0.944 mW/g

SAMSUNG FCC ID : A3LSGHX550 GSM1900 Body SAR
DUT: SGH-X550(BODY); Serial: FD-214-A
Program Name: SGH-X540 GSM1900 Body (Job No. : FD-214)
Procedure Name: Body, Ch.0512, Ant.Intenna, Bat.Standard
Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.8;Test Date-30/Oct/2006
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; $\sigma$ = 1.51 mho/m; $\varepsilon_r$ = 51.7; $\rho$ = 1000 kg/$m^3$
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(4.57, 4.57, 4.57); Calibrated: 2006-09-20
- 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.0512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.61 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.329 W/kg
SAR(1 g) = 0.237 mW/g
Maximum value of SAR (measured) = 0.248 mW/g

Body, Ch.0512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.280 mW/g