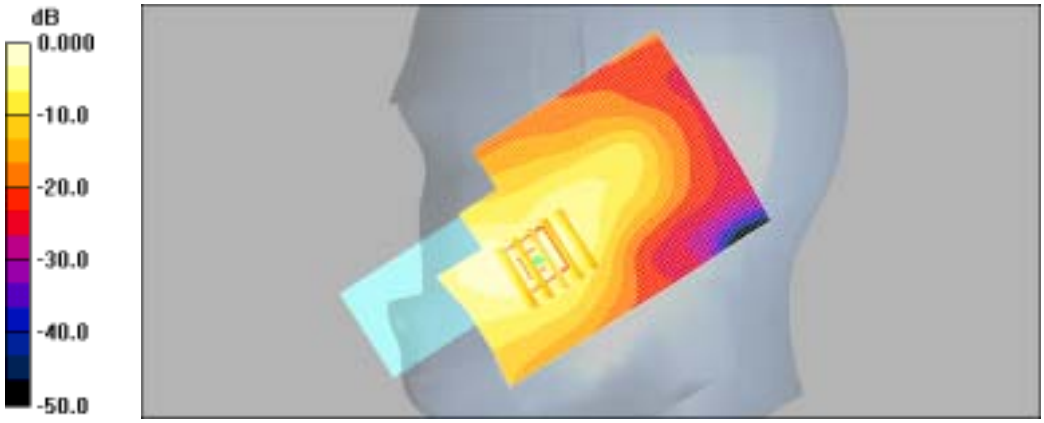
SAMSUNG FCC ID : A3LSGHS501I 1900MHz GSM1900 Head SAR
DUT: SGH-S501i; Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Right (Job No. : FD-083)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.0; Test Date-23/May/2006 [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; σ = 1.42 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.36 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.744 mW/g
Maximum value of SAR (measured) = 0.816 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.809 mW/g

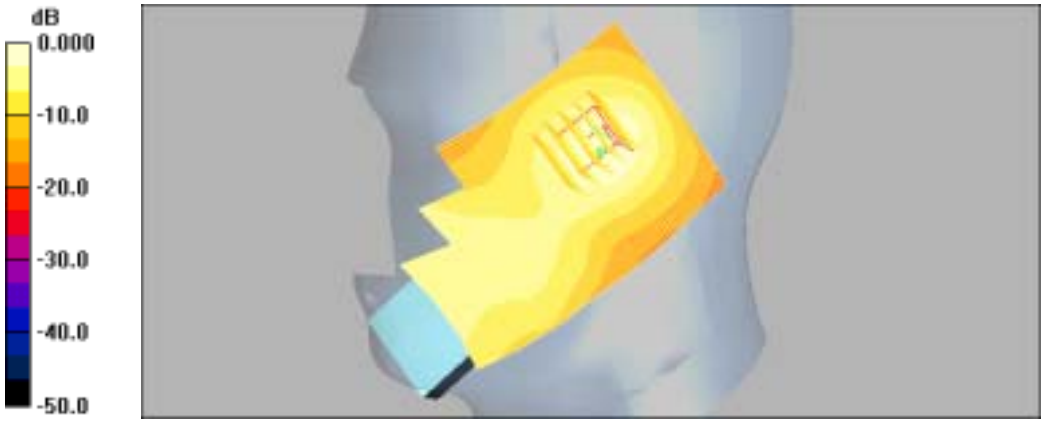


0 dB = 0.809mW/g

SAMSUNG FCC ID : A3LSGHS501I 1900MHz GSM1900 Head SAR
DUT: SGH-S501i; Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Right (Job No. : FD-083)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.0; Test Date-23/May/2006 [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; σ = 1.42 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.76 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.112 mW/g

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

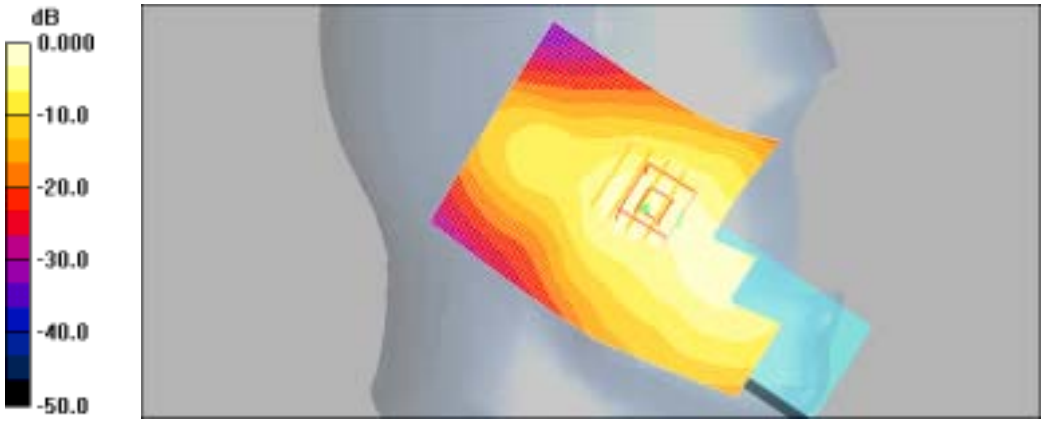


0 dB = 0.118mW/g

SAMSUNG FCC ID : A3LSGHS501I 1900MHz GSM1900 Head SAR
DUT: SGH-S501i; Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Left (Job No. : FD-083)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.0; Test Date-23/May/2006 [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; σ = 1.42 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.08 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.721 mW/g
Maximum value of SAR (measured) = 0.823 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.852 mW/g



0 dB = 0.852mW/g

SAMSUNG FCC ID : A3LSGHS501I 1900MHz GSM1900 Head SAR
DUT: SGH-S501i; Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Left (Job No. : FD-083)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.0; Test Date-23/May/2006 [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; σ = 1.42 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.43 V/m; Power Drift = -0.170 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.096 mW/g

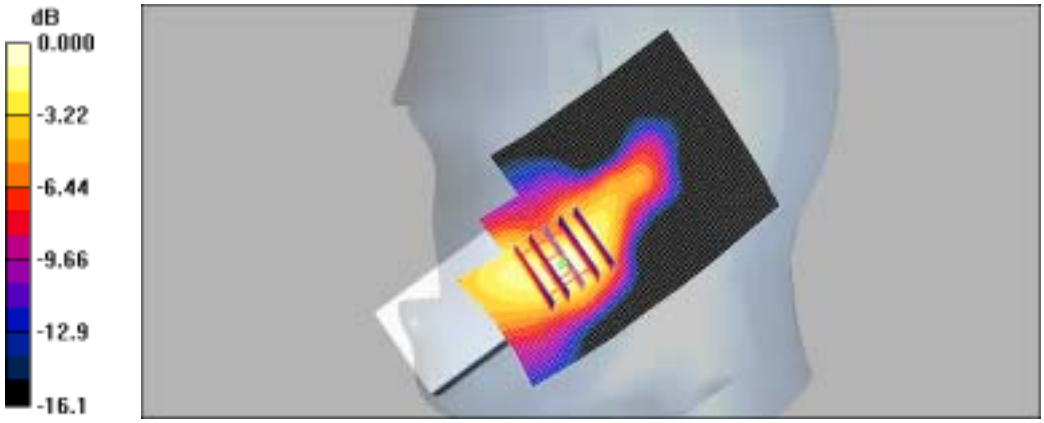
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.098 mW/g

0 dB = 0.098mW/g

SAMSUNG FCC ID : A3LSGHS501I 1900MHz GSM1900 Head SAR
DUT: SGH-S501i; Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Right (Job No. : FD-083)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.0; Test Date-23/May/2006 [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; σ = 1.42 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.796 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.96 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.735 mW/g
Maximum value of SAR (measured) = 0.810 mW/g

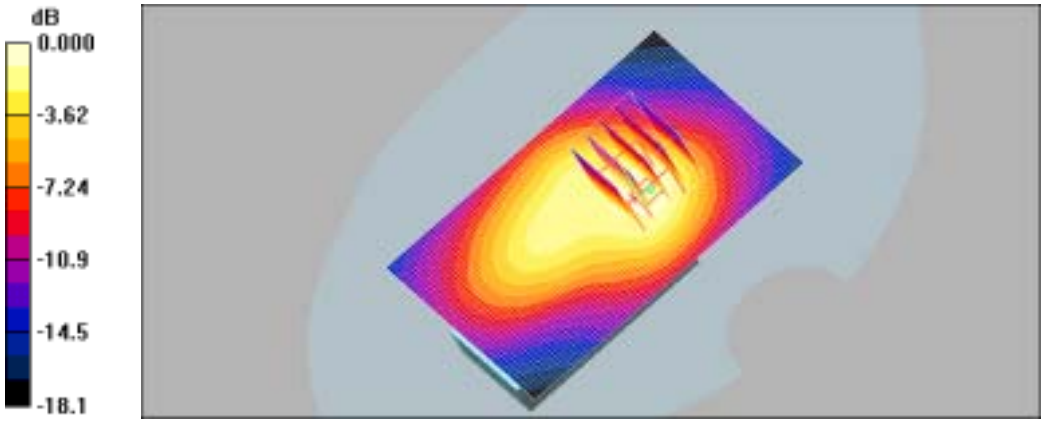


0 dB = 0.810mW/g

SAMSUNG FCC ID : A3LSGHS501I 1900MHz GPRS1900 Body SAR
DUT: SGH-S501i(Body); Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Body (Job No. : FD-083)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard 2
Procedure Notes: Meas. Ambient Temp(celsius)-22.7, Tissue Temp(celsius)-21.5; Test Date-23/May/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM1900 GPRS; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.55 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.512, Ant.Intenna, Bat.Standard 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = 0.115 dB
Peak SAR (extrapolated) = 0.825 W/kg
SAR(1 g) = 0.542 mW/g
Maximum value of SAR (measured) = 0.587 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard 2/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.654 mW/g

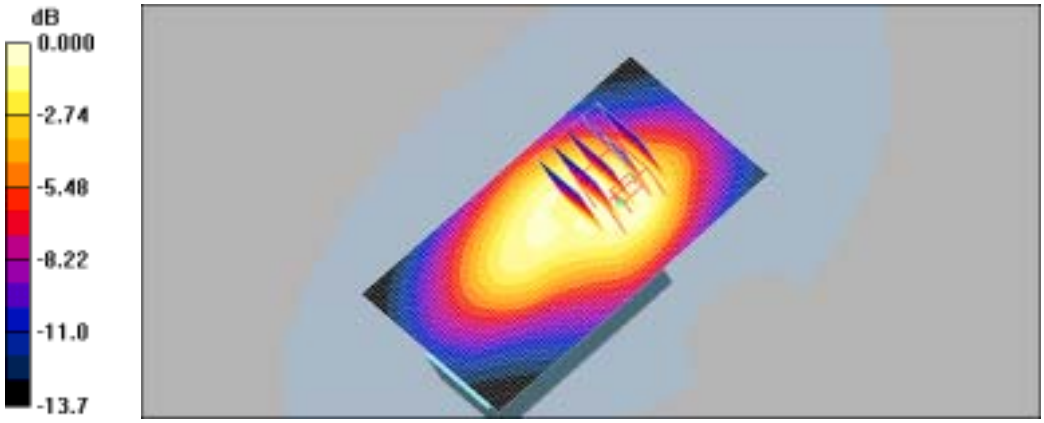


0 dB = 0.654mW/g

SAMSUNG FCC ID : A3LSGHS501I 1900MHz GPRS1900 Body SAR
DUT: SGH-S501i(Body); Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Body (Job No. : FD-083)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas. Ambient Temp(celsius)-22.7, Tissue Temp(celsius)-21.5; Test Date-23/May/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM1900 GPRS; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.55 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.568 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.674 W/kg
SAR(1 g) = 0.458 mW/g
Maximum value of SAR (measured) = 0.488 mW/g

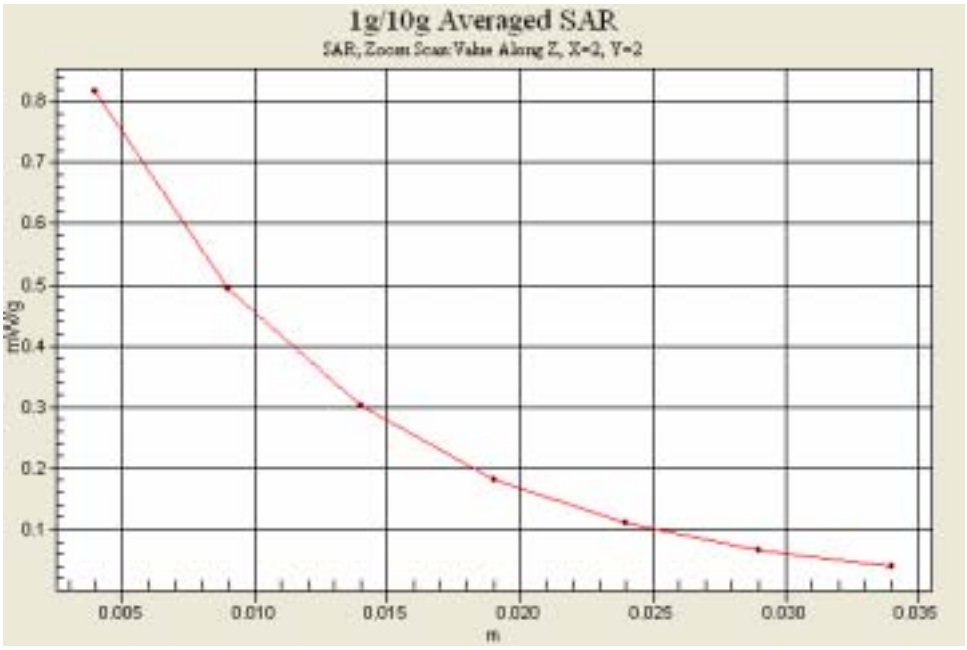


0 dB = 0.488mW/g

SAMSUNG FCC ID : A3LSGHS501I 1900MHz GSM1900 Head SAR
DUT: SGH-S501i; Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Right (Job No. : FD-083)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.0; Test Date-23/May/2006 [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; σ = 1.42 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.36 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.744 mW/g
Maximum value of SAR (measured) = 0.816 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.809 mW/g



SAMSUNG FCC ID : A3LSGHS501I 1900MHz GPRS1900 Body SAR
DUT: SGH-S501i(Body); Serial: FD-083-B
Program Name: SGH-S501i GSM1900 Body (Job No. : FD-083)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard 2
Procedure Notes: Meas. Ambient Temp(celsius)-22.7, Tissue Temp(celsius)-21.5; Test Date-23/May/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM1900 GPRS; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.55 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.512, Ant.Intenna, Bat.Standard 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = 0.115 dB
Peak SAR (extrapolated) = 0.825 W/kg
SAR(1 g) = 0.542 mW/g
Maximum value of SAR (measured) = 0.587 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard 2/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.654 mW/g