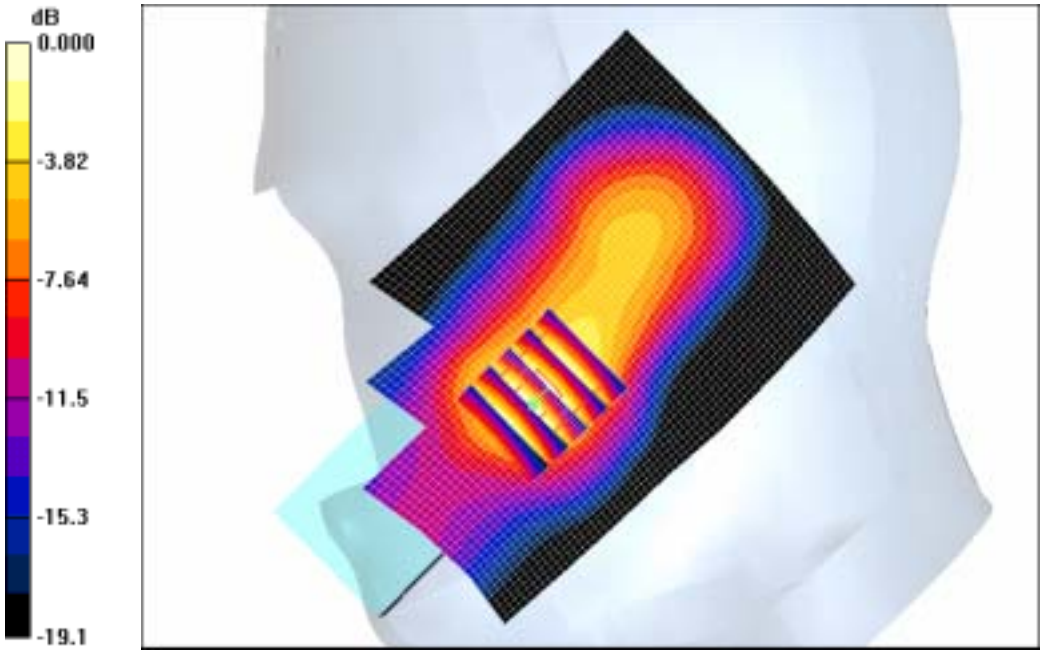
SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E870; Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Right (Job No. : FC-160)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp - 22.6 Tissue Temp(celsius)-22.4; Test Date-02/Dec/2005 [OET 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 = 1.39 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.42, 5.42, 5.42); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.555 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.23 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.977 W/kg
SAR(1 g) = 0.547 mW/g
Maximum value of SAR (measured) = 0.644 mW/g



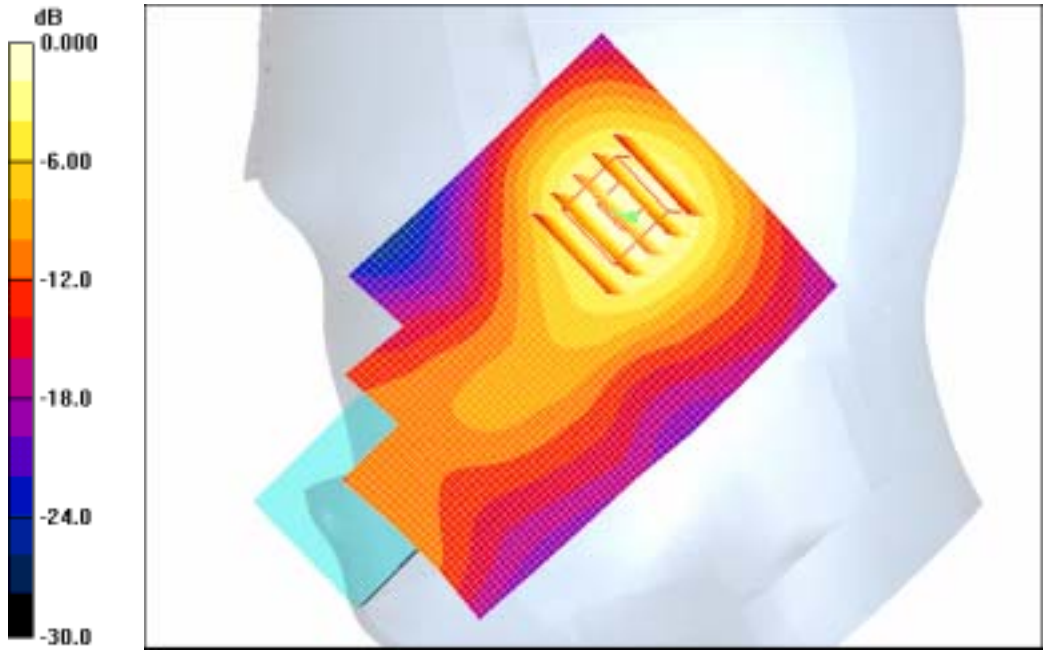
0 dB = 0.644mW/g

SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E870; Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Right (Job No. : FC-160)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp - 22.6 Tissue Temp(celsius)-22.4; Test Date-02/Dec/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; σ = 1.39 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.42, 5.42, 5.42); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- 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 = 8.82 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.263 W/kg
SAR(1 g) = 0.188 mW/g
Maximum value of SAR (measured) = 0.201 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.246 mW/g



0 dB = 0.246mW/g

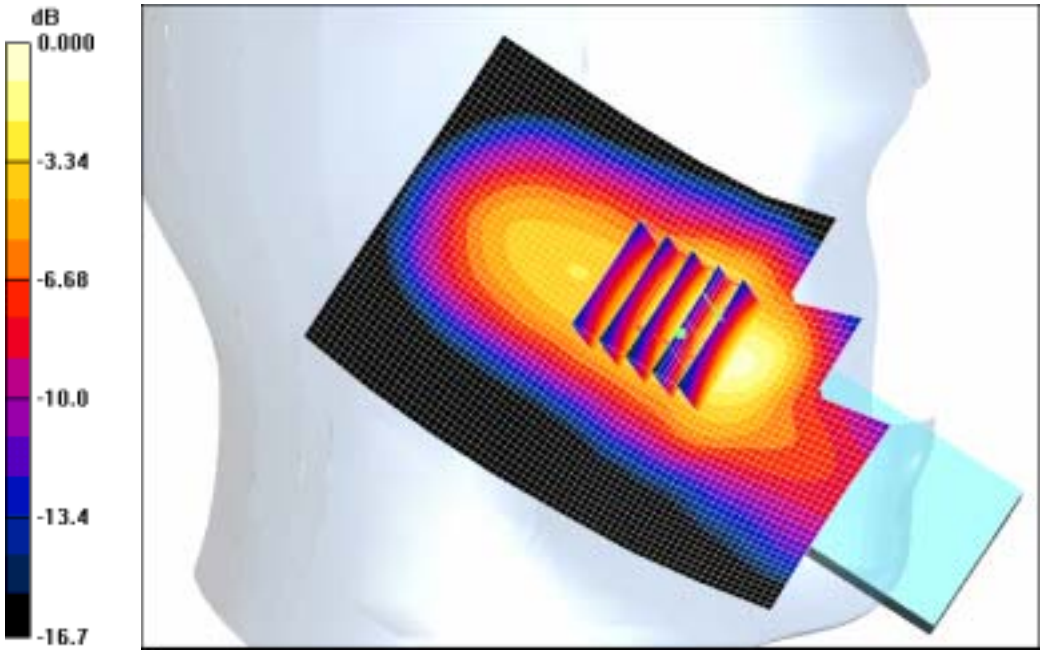
SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E870; Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Left (Job No. : FC-160)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp - 22.6Tissue Temp(celsius)-22.4; Test Date-02/Dec/2005 [OET 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 = 1.39 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.42, 5.42, 5.42); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.331 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.58 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 0.564 W/kg
SAR(1 g) = 0.350 mW/g

Maximum value of SAR (measured) = 0.383 mW/g



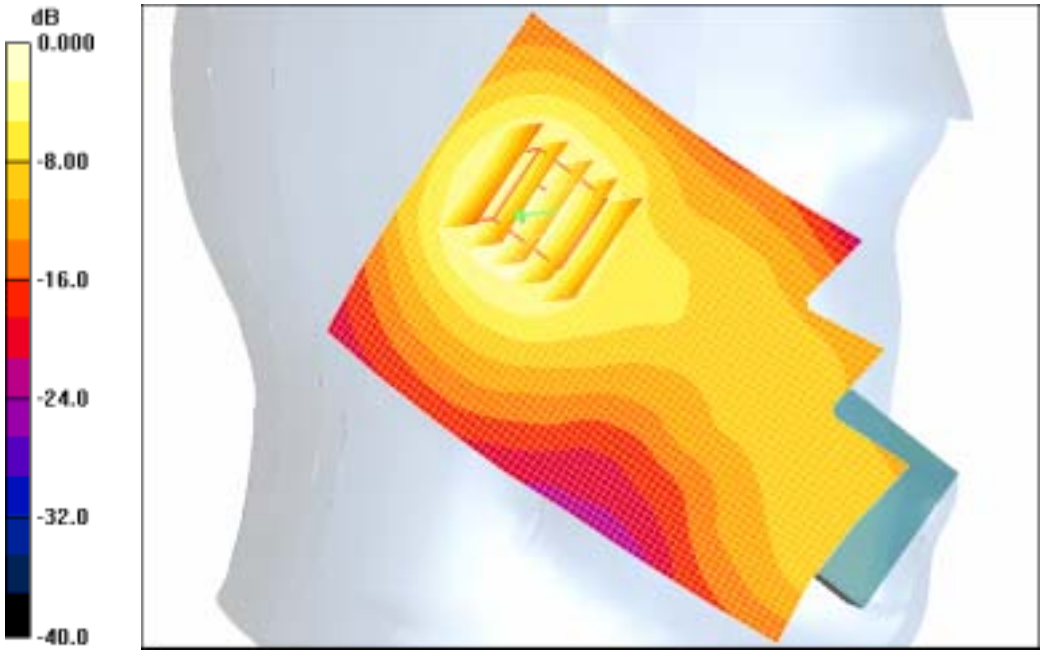
0 dB = 0.383mW/g

SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E870; Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Left (Job No. : FC-160)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp - 22.6Tissue Temp(celsius)-22.4; Test Date-02/Dec/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; σ = 1.39 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.42, 5.42, 5.42); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- 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 = 9.47 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 0.265 W/kg
SAR(1 g) = 0.191 mW/g
Maximum value of SAR (measured) = 0.204 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.239 mW/g



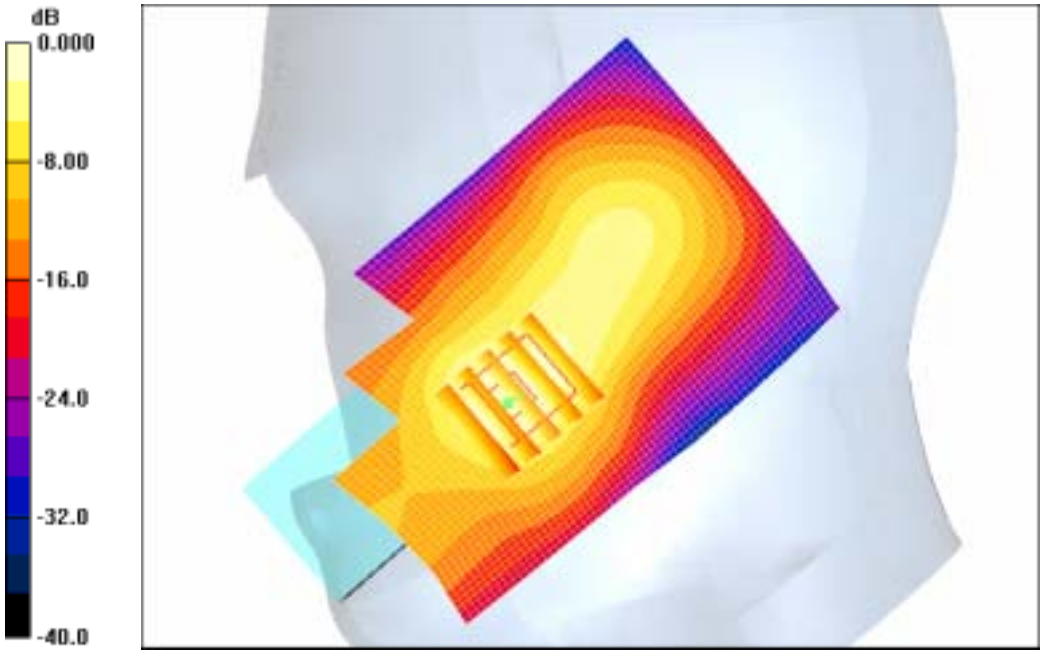
0 dB = 0.239mW/g

SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E870; Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Right (Job No. : FC-160)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas. Ambient Temp - 22.6Tissue Temp(celsius)-22.4; Test Date-02/Dec/2005 [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 = 1.39 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.42, 5.42, 5.42); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- 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/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.52 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.886 W/kg
SAR(1 g) = 0.502 mW/g
Maximum value of SAR (measured) = 0.590 mW/g

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) = 0.543 mW/g



0 dB = 0.543mW/g

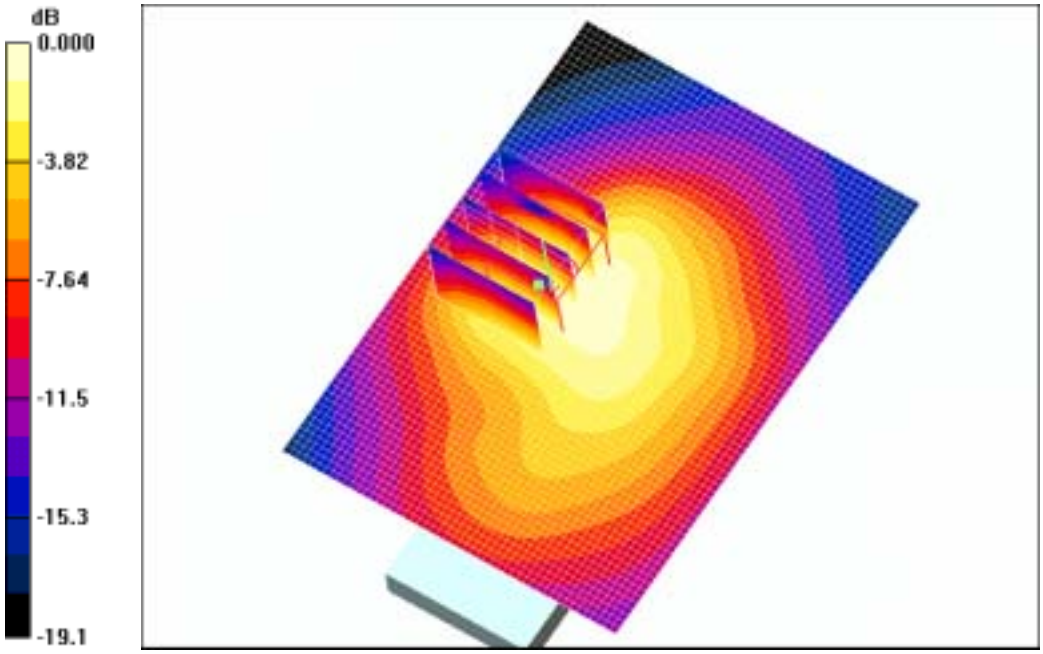
SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Body SAR
DUT: SGH-E870(Body); Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Body (Job No. : FC-160)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp - 22.6Tissue Temp(celsius)-22.4; Test Date-02/Dec/2005 [OET 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 = 1.5 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(4.46, 4.46, 4.46); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.77 V/m; Power Drift = -0.008 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.103 mW/g

Maximum value of SAR (measured) = 0.111 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.095 mW/g



0 dB = 0.095mW/g

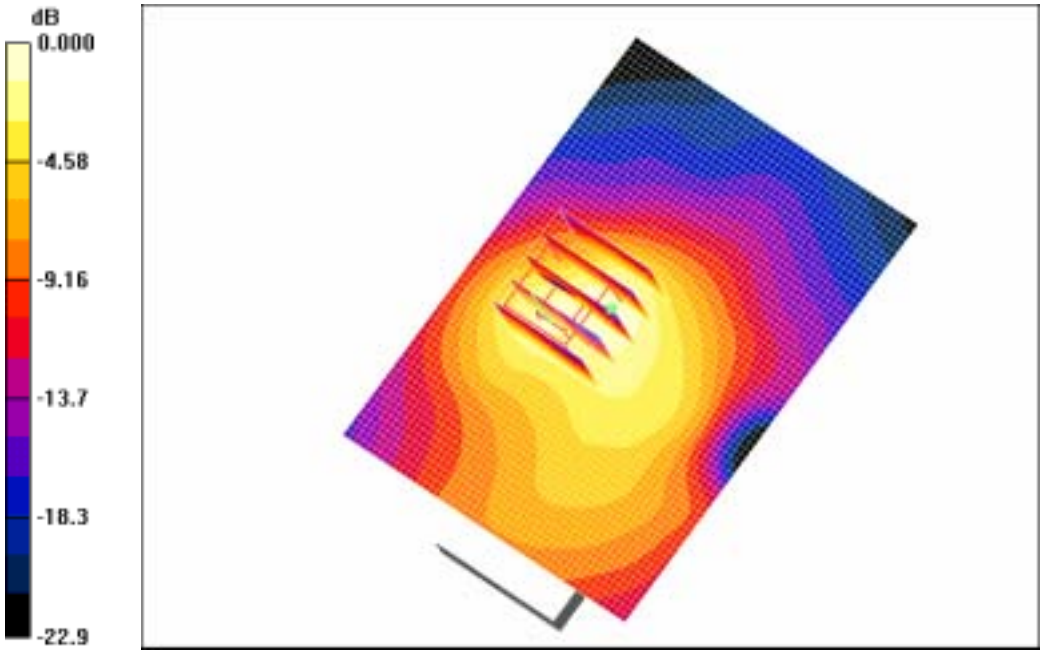
SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Body SAR
DUT: SGH-E870(Body); Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Body (Job No. : FC-160)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON
Procedure Notes: Meas. Ambient Temp: 22.4 Tissue Temp(celsius)-22.4; Test Date-02/Dec/2005 [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 = 1.5 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(4.46, 4.46, 4.46); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- 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) = 0.106 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 = 5.85 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.112 mW/g



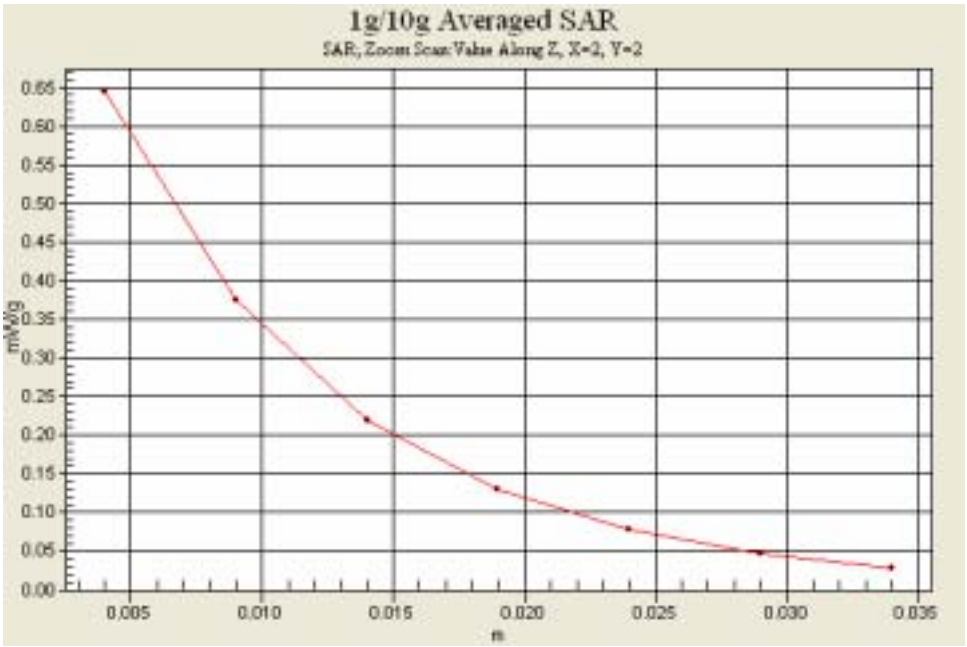
0 dB = 0.112mW/g

SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E870; Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Right (Job No. : FC-160)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp - 22.6;Tissue Temp(celsius)-22.4; Test Date-02/Dec/2005 [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 = 1.39 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.42, 5.42, 5.42); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.555 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.23 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.977 W/kg
SAR(1 g) = 0.547 mW/g
Maximum value of SAR (measured) = 0.644 mW/g



SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E870; Serial: FC-160-E

Program Name: SGH-E870 GSM1900 Right (Job No. : FC-160)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas.Tissue Temp(celsius)-22.4; Ambient Temp - 22.6; Test Date-02/Dec/2005 [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 = 1.39 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section

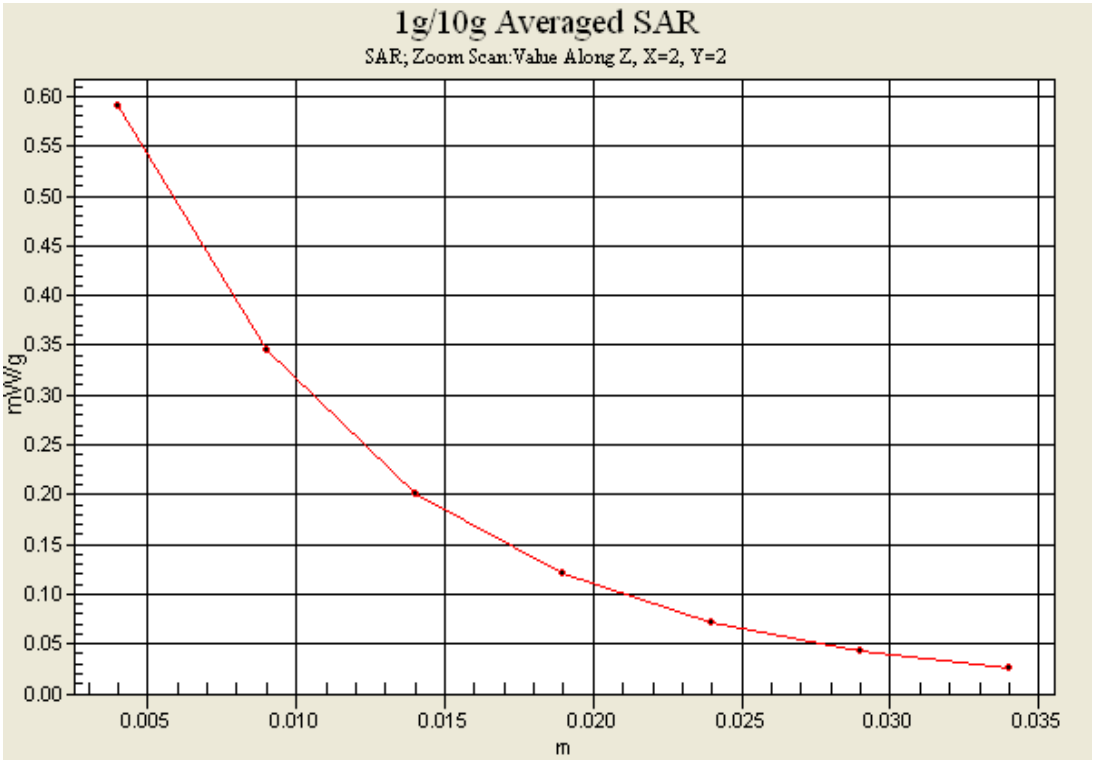
DASY4 Configuration:
- Probe: ET3DV6 - SN1735; ConvF(5.42, 5.42, 5.42); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.52 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.886 W/kg
SAR(1 g) = 0.502 mW/g
Maximum value of SAR (measured) = 0.590 mW/g

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) = 0.543 mW/g



SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Body SAR

DUT: SGH-E870(Body); Serial: FC-160-E

Program Name: SGH-E870 GSM1900 Body (Job No. : FC-160)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.4; Ambient Temp: 22.4 Test Date-02/Dec/2005 [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 = 1.5 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

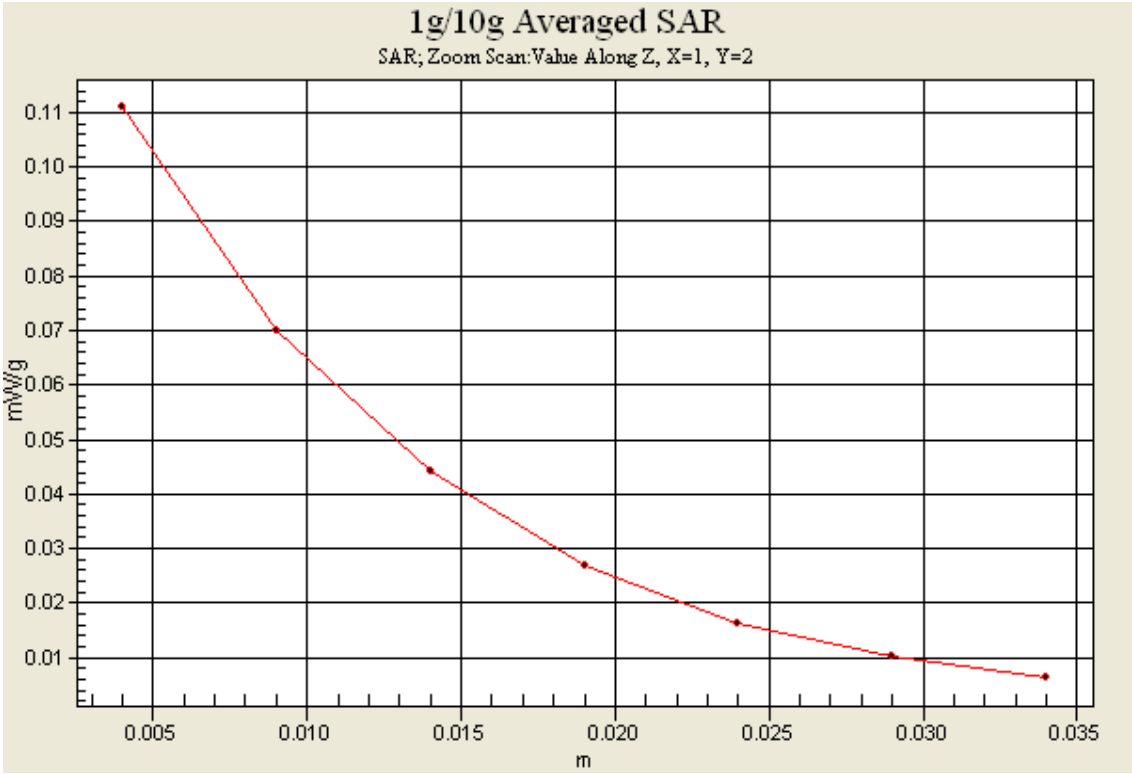
- Probe: ET3DV6 - SN1735; ConvF(4.46, 4.46, 4.46); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.77 V/m; Power Drift = -0.008 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.111 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.095 mW/g



SAMSUNG FCC ID : A3LSGHE870 -- 1900MHz GSM1900 Body SAR
DUT: SGH-E870(Body); Serial: FC-160-E
Program Name: SGH-E870 GSM1900 Body (Job No. : FC-160)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON
Procedure Notes: Meas. Ambient Temp - 22.6;Tissue Temp(celsius)-22.4; Test Date-02/Dec/2005 [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 = 1.5 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(4.46, 4.46, 4.46); Calibrated: 2005-09-19
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1141
- 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) = 0.106 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 = 5.85 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.112 mW/g