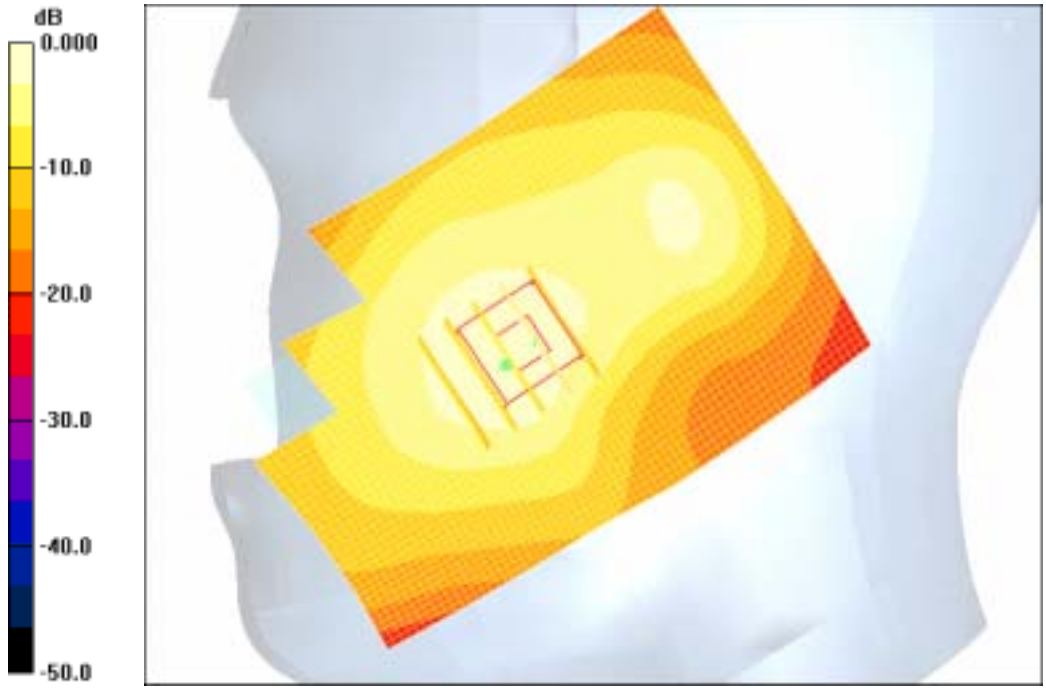
SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Up); Serial: FD-237-C
Program Name: SGH-E830 GSM1900 Right Slide Up (Job No. : FD-237)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.3 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.307 W/kg
SAR(1 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.242 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.233 mW/g

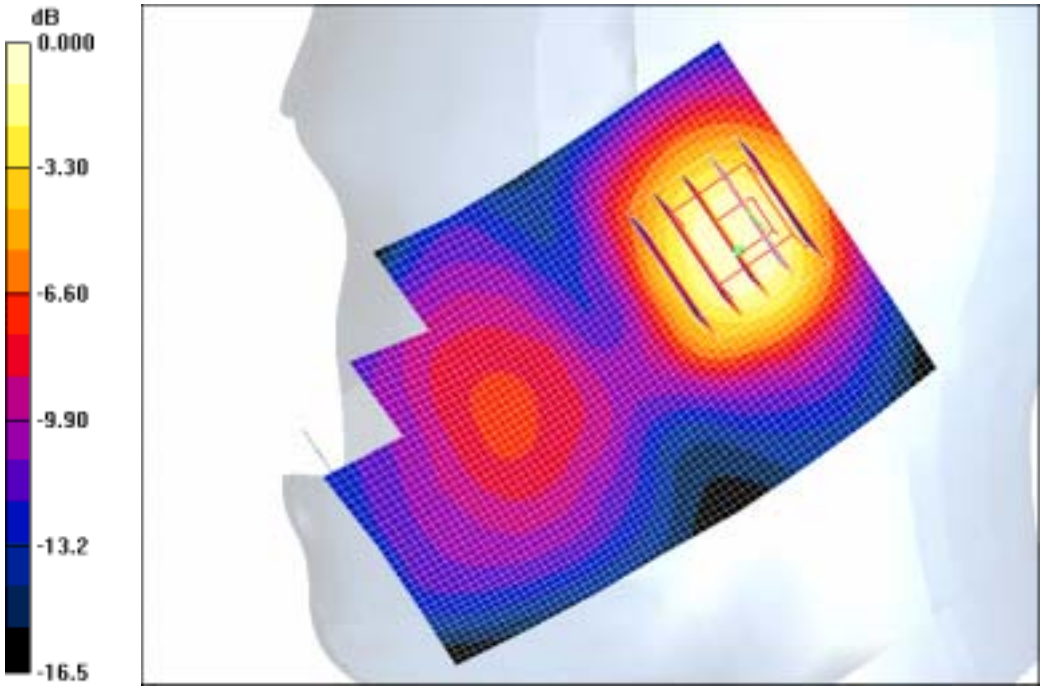


0 dB = 0.233mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Up); Serial: FD-237-C
Program Name: SGH-E830 GSM1900 Right Slide Up (Job No. : FD-237)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- 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 = 10.3 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.155 mW/g
Maximum value of SAR (measured) = 0.161 mW/g

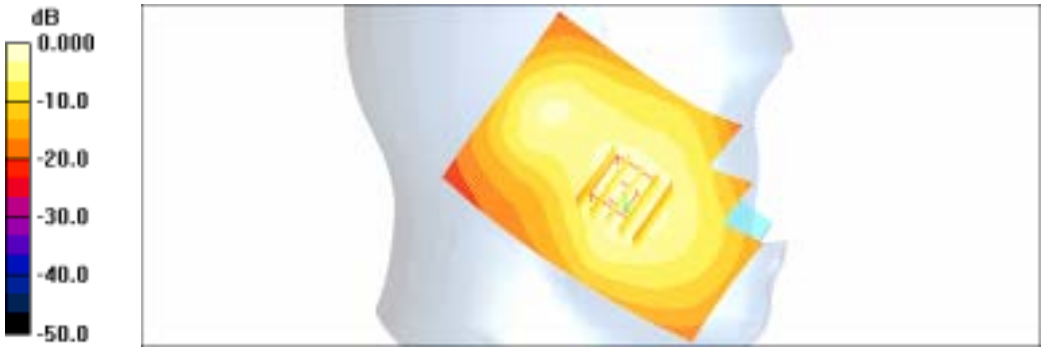


0 dB = 0.161mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Up); Serial: FD-237-C
Program Name: SGH-E830 GSM1900 Left Slide Up(Job No. : FD-237)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.2 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 0.431 W/kg
SAR(1 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.318 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.308 mW/g

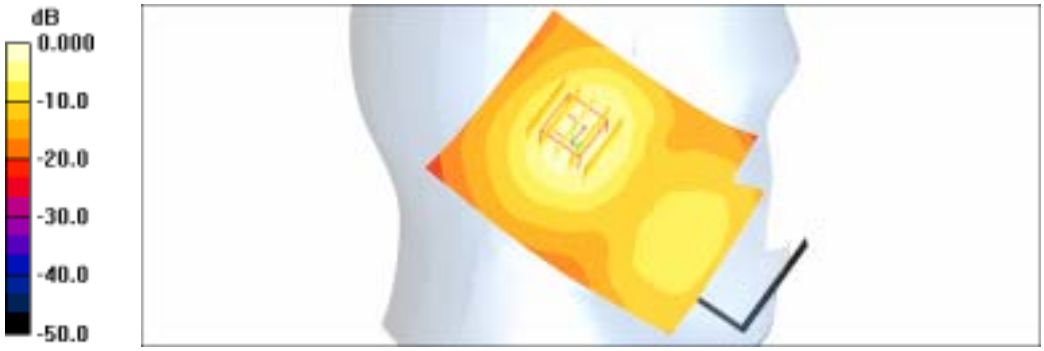


0 dB = 0.308mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Up); Serial: FD-237-C
Program Name: SGH-E830 GSM1900 Left Slide Up(Job No. : FD-237)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.05 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.165 mW/g
Maximum value of SAR (measured) = 0.171 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.209 mW/g

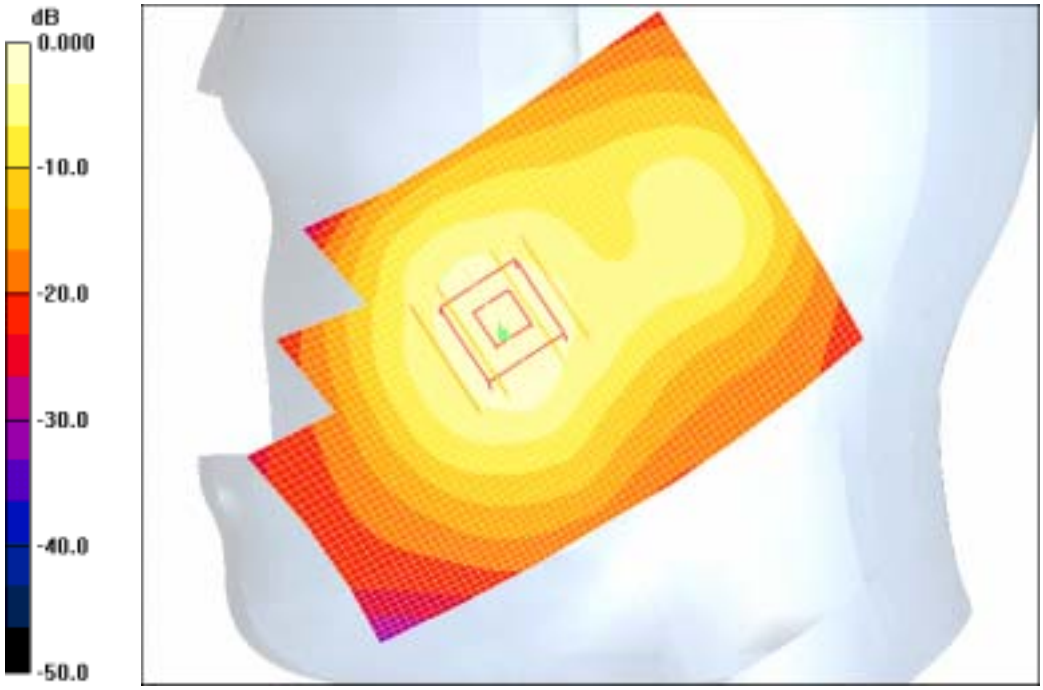


0 dB = 0.209mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Down); Serial: FD-237-C
Program Name: SGHE830 GSM1900 Right Slide Down(Job No. : FD-237)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.2 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 0.549 W/kg
SAR(1 g) = 0.409 mW/g
Maximum value of SAR (measured) = 0.428 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.492 mW/g

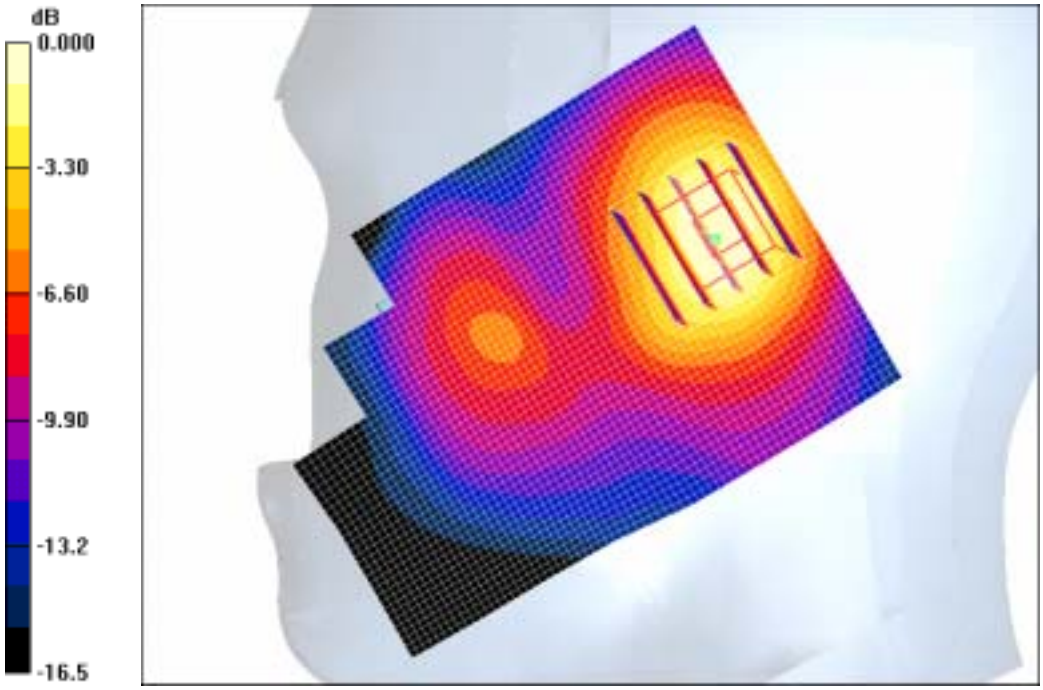


0 dB = 0.492mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Down); Serial: FD-237-C
Program Name: SGHE830 GSM1900 Right Slide Down(Job No. : FD-237)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- 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 = 10.2 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 0.199 W/kg
SAR(1 g) = 0.144 mW/g;
Maximum value of SAR (measured) = 0.153 mW/g

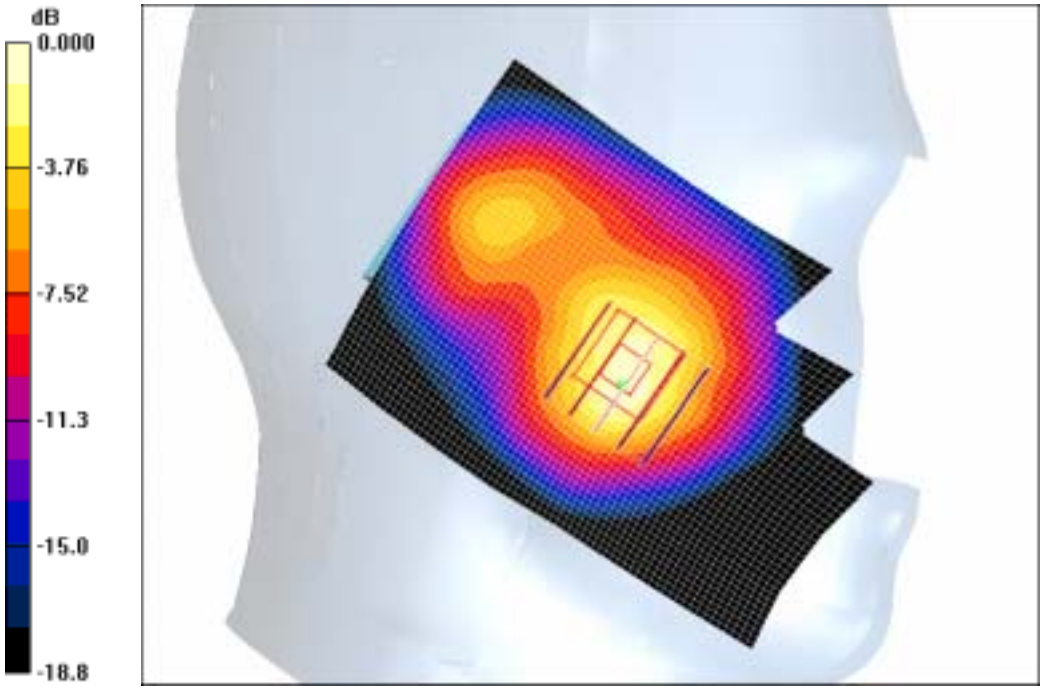


0 dB = 0.153mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Down); Serial: FD-237-C
Program Name: SGH-E830 GSM1900 Left Slide Down(Job No. : FD-237)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- 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) = 0.598 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 = 20.8 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.892 W/kg
SAR(1 g) = 0.610 mW/g
Maximum value of SAR (measured) = 0.649 mW/g

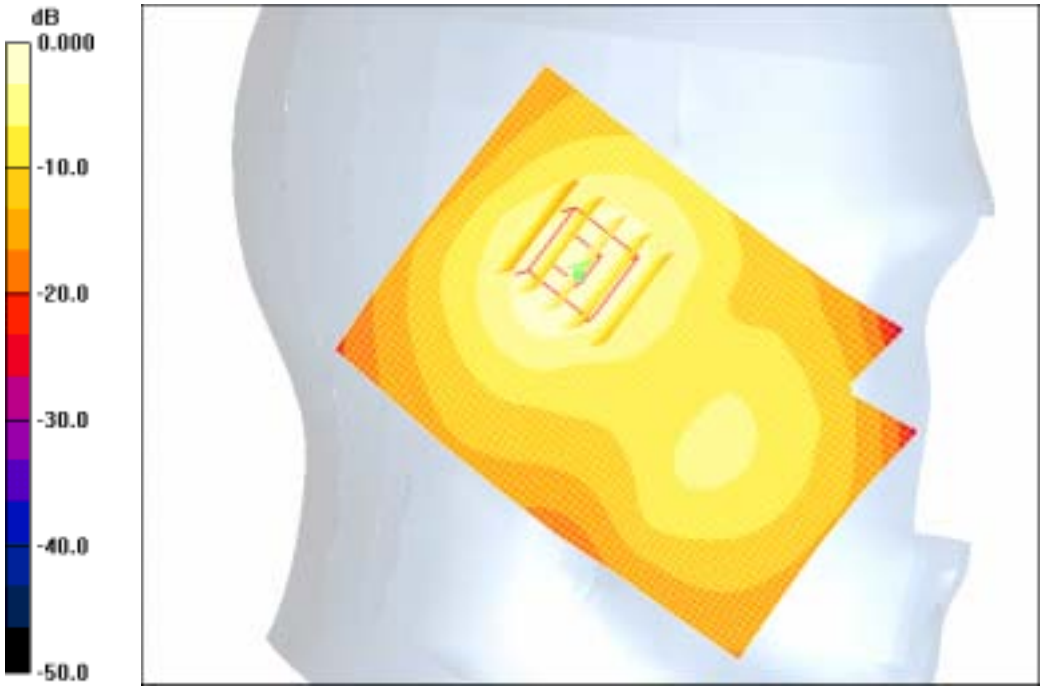


0 dB = 0.649mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Down); Serial: FD-237-C
Program Name: SGH-E830 GSM1900 Left Slide Down(Job No. : FD-237)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.53 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.216 W/kg
SAR(1 g) = 0.148 mW/g
Maximum value of SAR (measured) = 0.161 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.159 mW/g

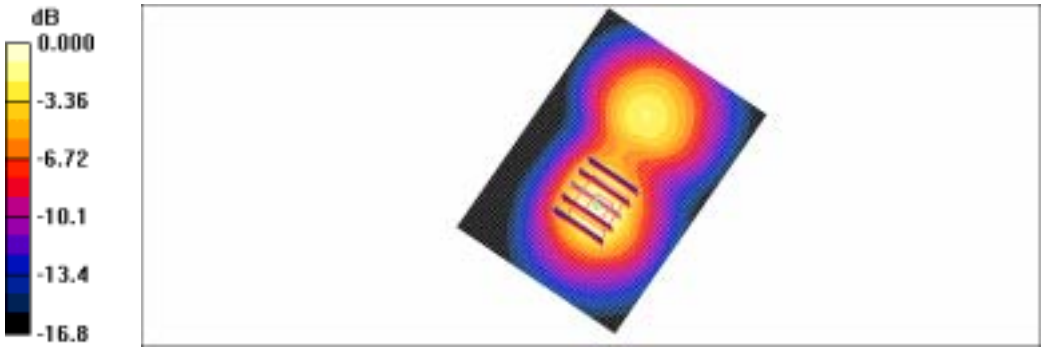


0 dB = 0.159mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GPRS1900 Body SAR
DUT: SGH-E830(Body); Serial: FD-237-C
Program Name: SGH-E830 GPRS1900 Body (Job No. : FD-237)
Procedure Name: Body, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.8;Test Date-04/Dec/2006
Communication System: GSM1900 GPRS; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(4.52, 4.52, 4.52); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.506 mW/g

Body, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.817 W/kg
SAR(1 g) = 0.474 mW/g
Maximum value of SAR (measured) = 0.516 mW/g

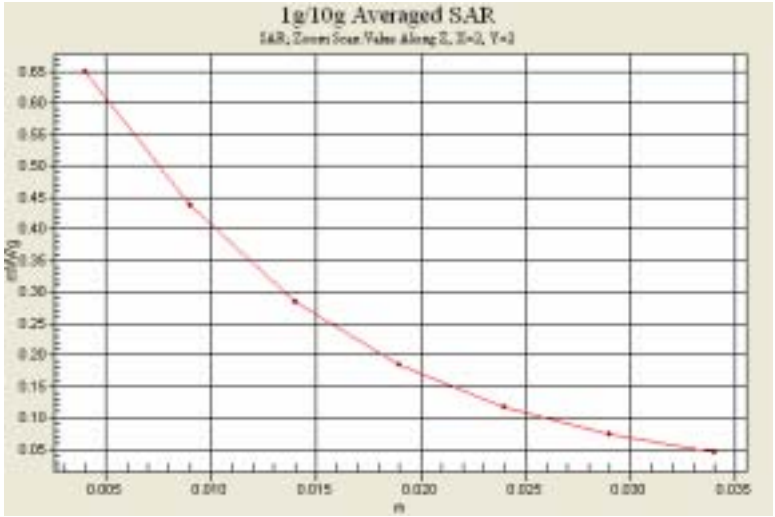


0 dB = 0.516mW/g

SAMSUNG FCC ID : A3LSGHE830A 1900MHz GSM1900 Head SAR
DUT: SGH-E830(Down); Serial: FD-237-C
Program Name: SGH-E830 GSM1900 Left Slide Down(Job No. : FD-237)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.9;Test Date-04/Dec/2006
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(5.26, 5.26, 5.26); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- 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) = 0.598 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 = 20.8 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.892 W/kg
SAR(1 g) = 0.610 mW/g
Maximum value of SAR (measured) = 0.649 mW/g



SAMSUNG FCC ID : A3LSGHE830A 1900MHz GPRS1900 Body SAR
DUT: SGH-E830(Body); Serial: FD-237-C
Program Name: SGH-E830 GPRS1900 Body (Job No. : FD-237)
Procedure Name: Body, Ch.661, Ant.Intenna, Bat.Standard
Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.8;Test Date-04/Dec/2006
Communication System: GSM1900 GPRS; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(4.52, 4.52, 4.52); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.506 mW/g

Body, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 0.817 W/kg
SAR(1 g) = 0.474 mW/g
Maximum value of SAR (measured) = 0.516 mW/g