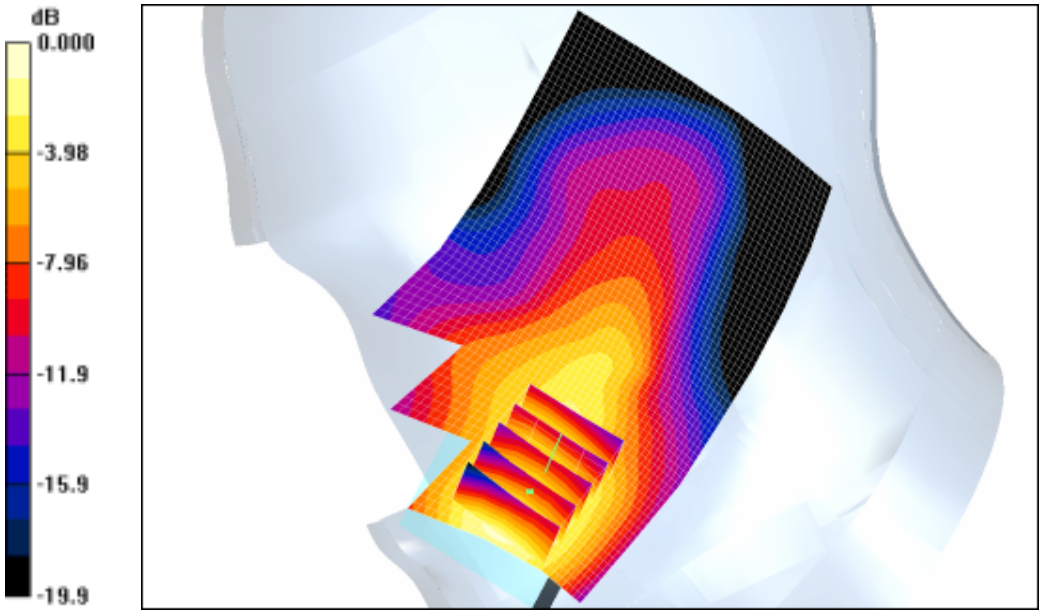
SAMSUNG FCC ID : A3LSGHD830 -- 1900MHz GSM1900 Head SAR
DUT: SGH-D830; Serial: FD-099-G
Program Name: SGH-D830 GSM1900 Right (Job No. : FD-099)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.4, Ambient Temp-22.8;Test Date-20/Jun/2006[OET Bulletin 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 = 1.41 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- 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) = 0.178 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 = 5.79 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.177 mW/g



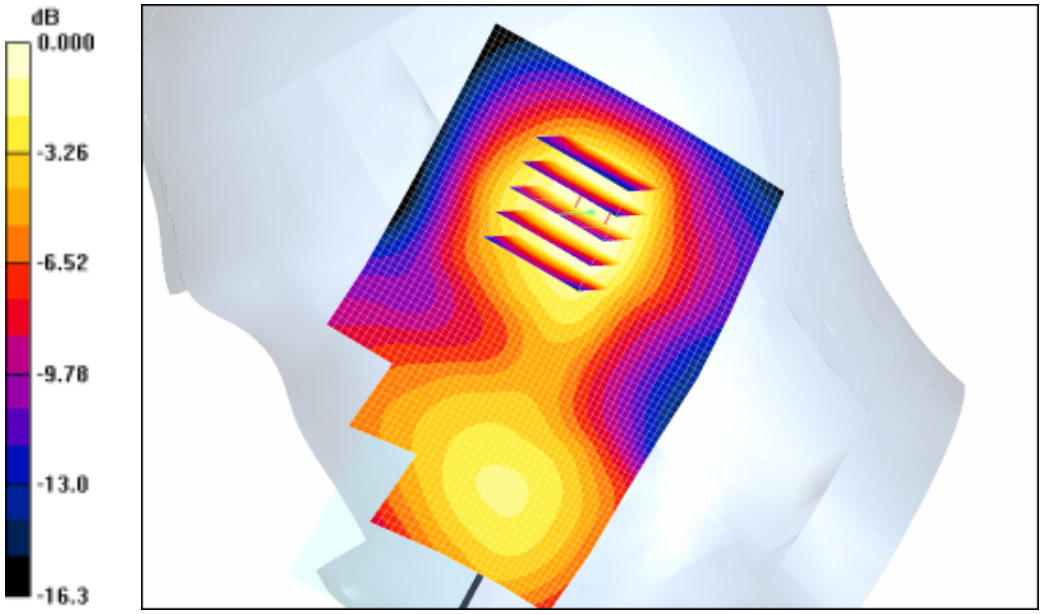
0 dB = 0.177mW/g

SAMSUNG FCC ID : A3LSGHD830 -- 1900MHz GSM1900 Head SAR
DUT: SGH-D830; Serial: FD-099-G
Program Name: SGH-D830 GSM1900 Right (Job No. : FD-099)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.4, Ambient Temp-22.8;Test Date-20/Jun/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 = 1.41 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.035 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 = 3.95 V/m; Power Drift = -0.179 dB
Peak SAR (extrapolated) = 0.036 W/kg
SAR(1 g) = 0.027 mW/g
Maximum value of SAR (measured) = 0.029 mW/g



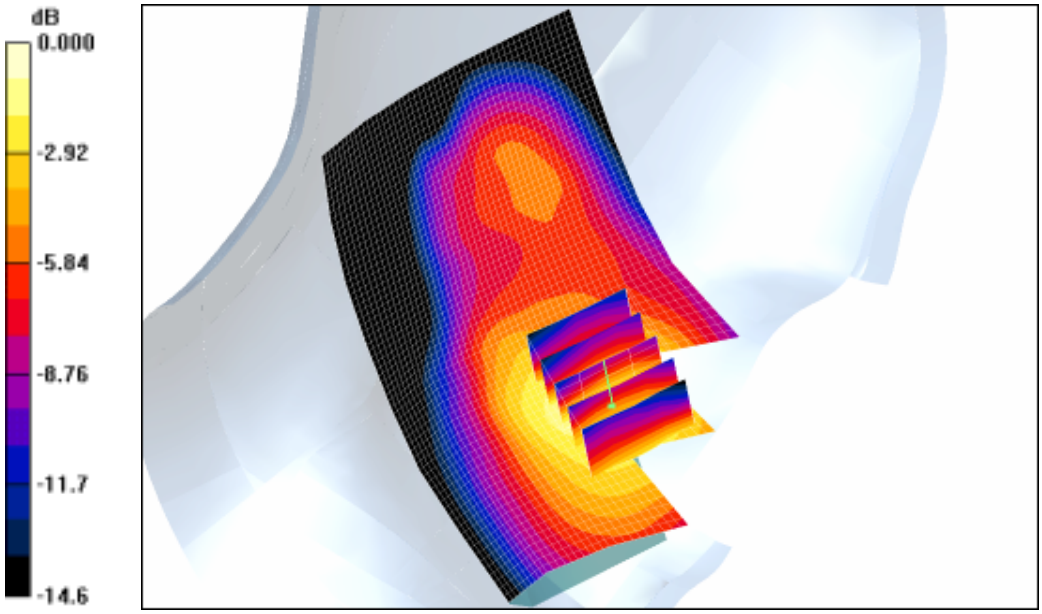
0 dB = 0.029mW/g

SAMSUNG FCC ID : A3LSGHD830 -- 1900MHz GSM1900 Head SAR
DUT: SGH-D830; Serial: FD-099-G
Program Name: SGH-D830 GSM1900 Left (Job No. : FD-099)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.4, Ambient Temp-22.8;Test Date-20/Jun/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 = 1.41 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- 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) = 0.084 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 = 4.66 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.128 W/kg
SAR(1 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.103 mW/g



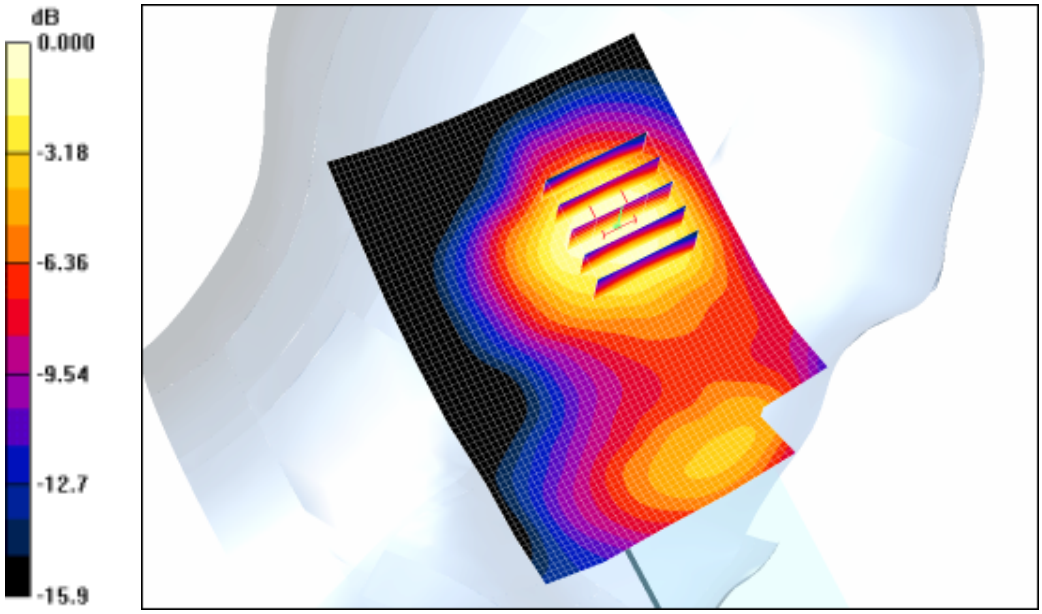
0 dB = 0.103mW/g

SAMSUNG FCC ID : A3LSGHD830 -- 1900MHz GSM1900 Head SAR
DUT: SGH-D830; Serial: FD-099-G
Program Name: SGH-D830 GSM1900 Left (Job No. : FD-099)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.4, Ambient Temp-22.8;Test Date-20/Jun/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 = 1.41 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.046 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 = 3.62 V/m; Power Drift = 0.150 dB
Peak SAR (extrapolated) = 0.052 W/kg
SAR(1 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.039 mW/g



0 dB = 0.039mW/g

SAMSUNG FCC ID : A3LSGHD830 -- 1900MHz GSM1900 Head SAR
DUT: SGH-D830; Serial: FD-099-G
Program Name: SGH-D830 GSM1900 Right (Job No. : FD-099)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.4, Ambient Temp-22.8;Test Date-20/Jun/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 = 1.41 mho/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- 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) = 0.178 mW/g

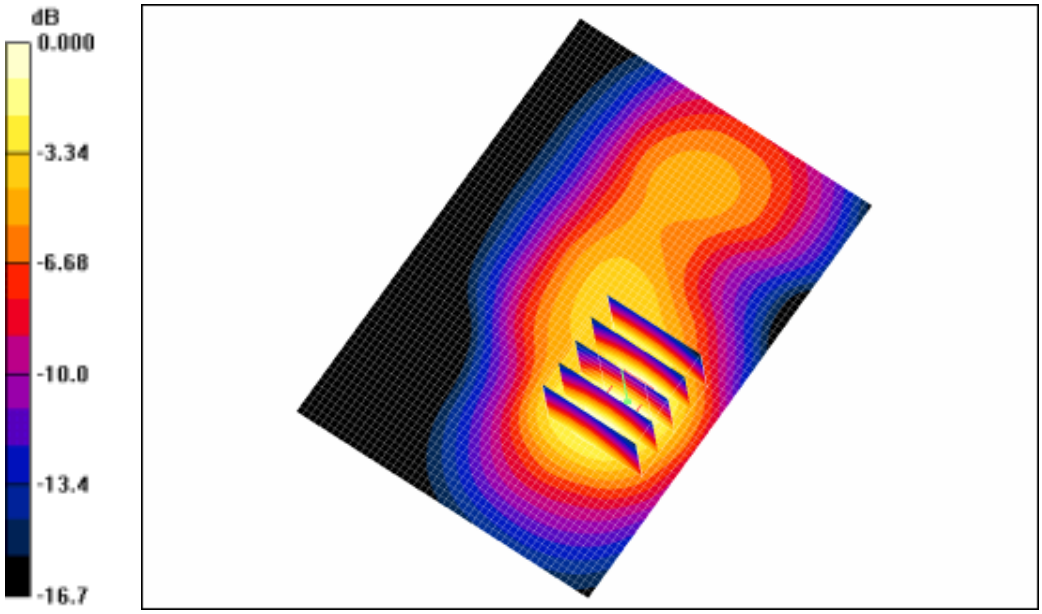
Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.79 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.177 mW/g

SAMSUNG FCC ID : A3LSGHD830 -- 1900MHz GPRS1900 Body SAR
DUT: SGH-D830(Body); Serial: FD-099-G
Program Name: SGH-D830 GPRS1900 Body (Job No. : FD-099)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-22.6;Test Date-20/Jun/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 = 1.57 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.5, 4.5, 4.5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- 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) = 0.526 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 = 10.5 V/m; Power Drift = -0.100 dB
Peak SAR (extrapolated) = 0.751 W/kg
SAR(1 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.529 mW/g



0 dB = 0.529mW/g

SAMSUNG FCC ID : A3LSGHD830 -- 1900MHz GPRS1900 Body SAR
DUT: SGH-D830(Body); Serial: FD-099-G
Program Name: SGH-D830 GPRS1900 Body (Job No. : FD-099)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-22.6;Test Date-20/Jun/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 = 1.57 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.5, 4.5, 4.5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- 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) = 0.526 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 = 10.5 V/m; Power Drift = -0.100 dB
Peak SAR (extrapolated) = 0.751 W/kg
SAR(1 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.529 mW/g