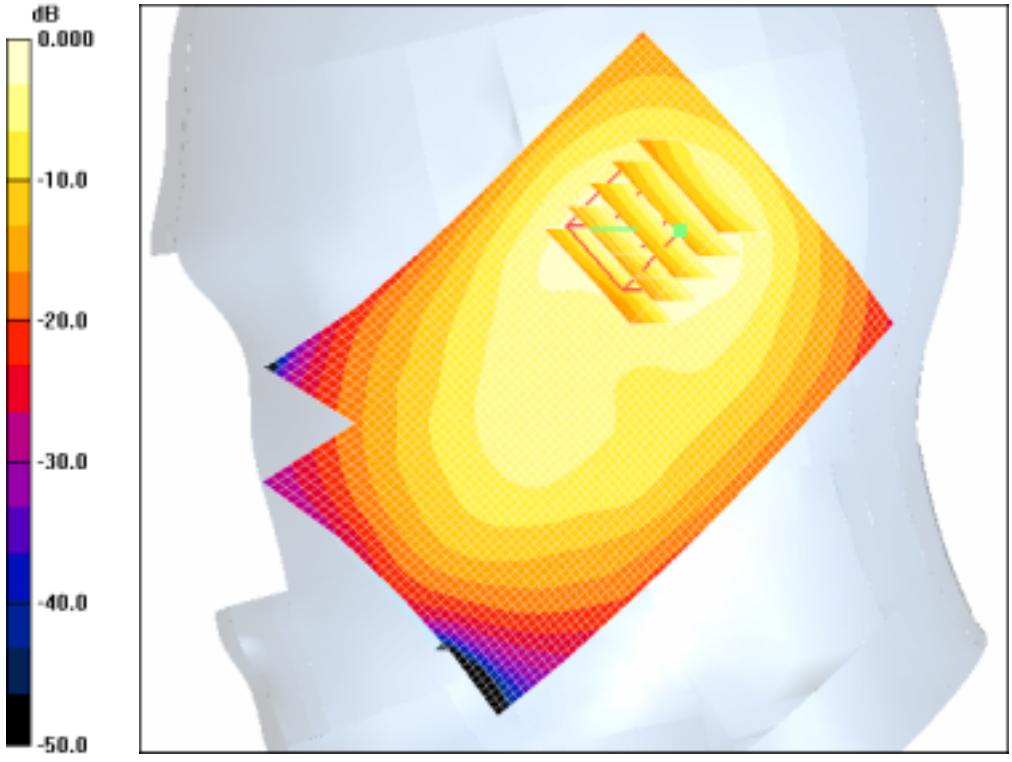
SAMSUNG FCC ID : A3LSGHI320N -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320N; Serial: FD-086-A
Program Name: SGH-i320N GSM1900 Right l(Job No. : FD-086)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-22.5; Test Date-22/May/2006 [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 = 1.4 mho/m; ε_r = 38.8; 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.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.9 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 0.852 W/kg
SAR(1 g) = 0.497 mW/g
Maximum value of SAR (measured) = 0.541 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.548 mW/g



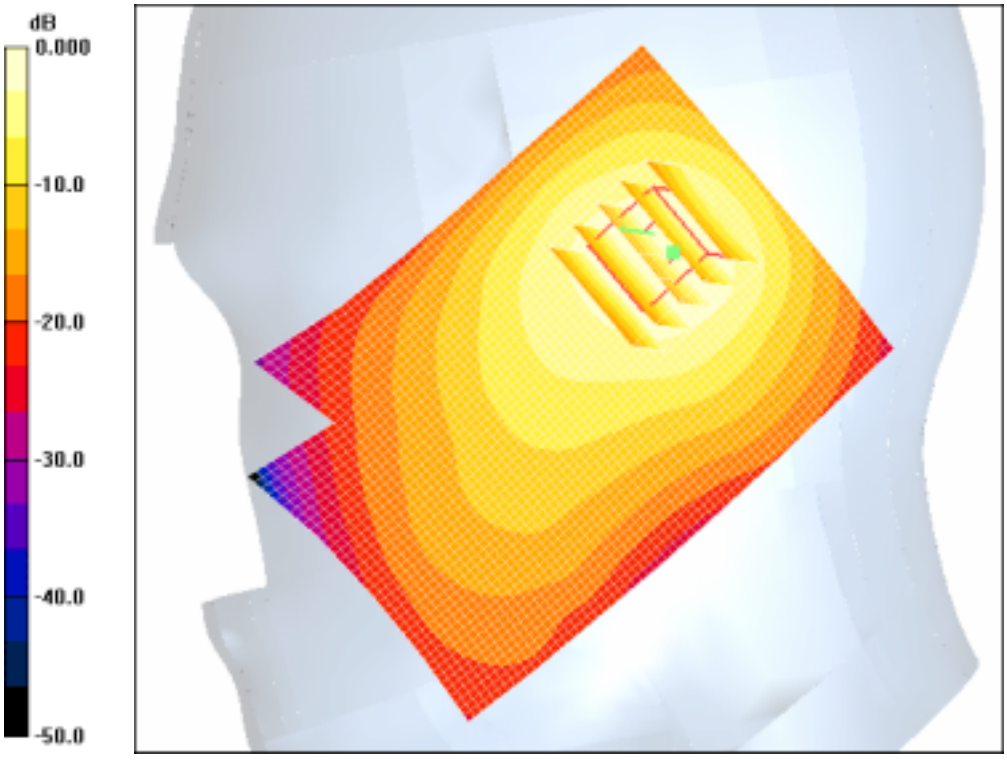
0 dB = 0.548mW/g

SAMSUNG FCC ID : A3LSGHI320N -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320N; Serial: FD-086-A
Program Name: SGH-i320N GSM1900 Right l(Job No. : FD-086)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-22.5; Test Date-22/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 = 1.4 mho/m; ε_r = 38.8; 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 = 5.92 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.630 mW/g
Maximum value of SAR (measured) = 0.670 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.757 mW/g



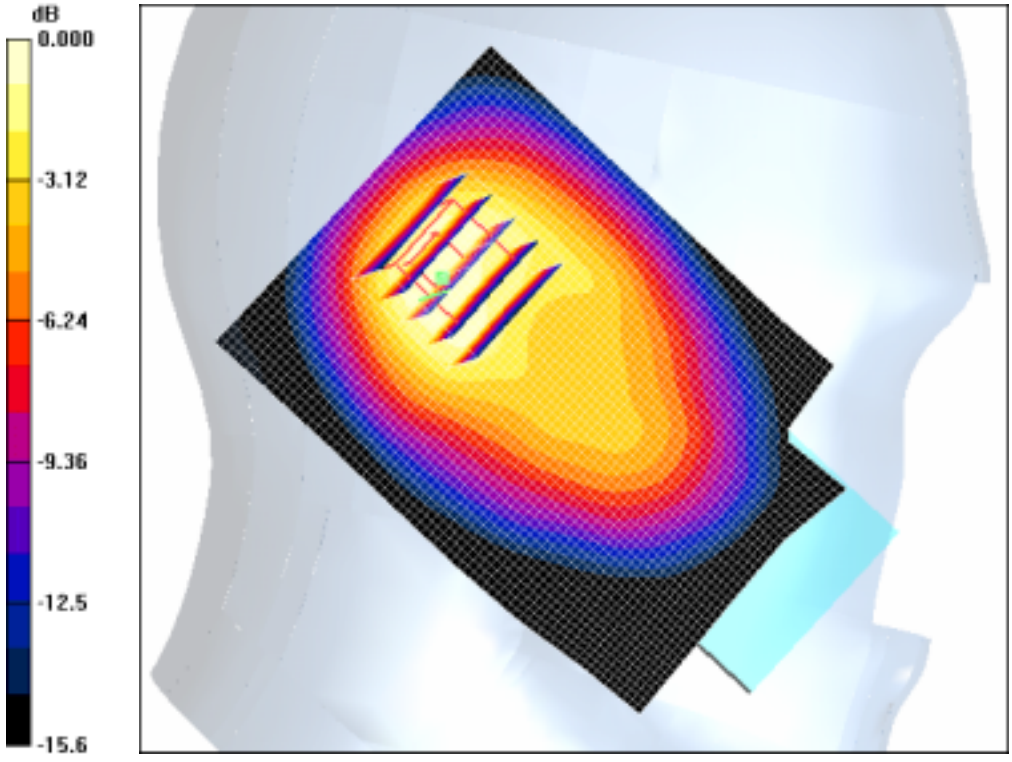
0 dB = 0.757mW/g

SAMSUNG FCC ID : A3LSGHI320N -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320N; Serial: FD-086-A
Program Name: SGH-i320N GSM1900 Left (Job No. : FD-086)
Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-22.5; Test Date-22/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 = 1.4 mho/m; ε_r = 38.8; 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.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.560 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 = 15.4 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 0.763 W/kg
SAR(1 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.498 mW/g



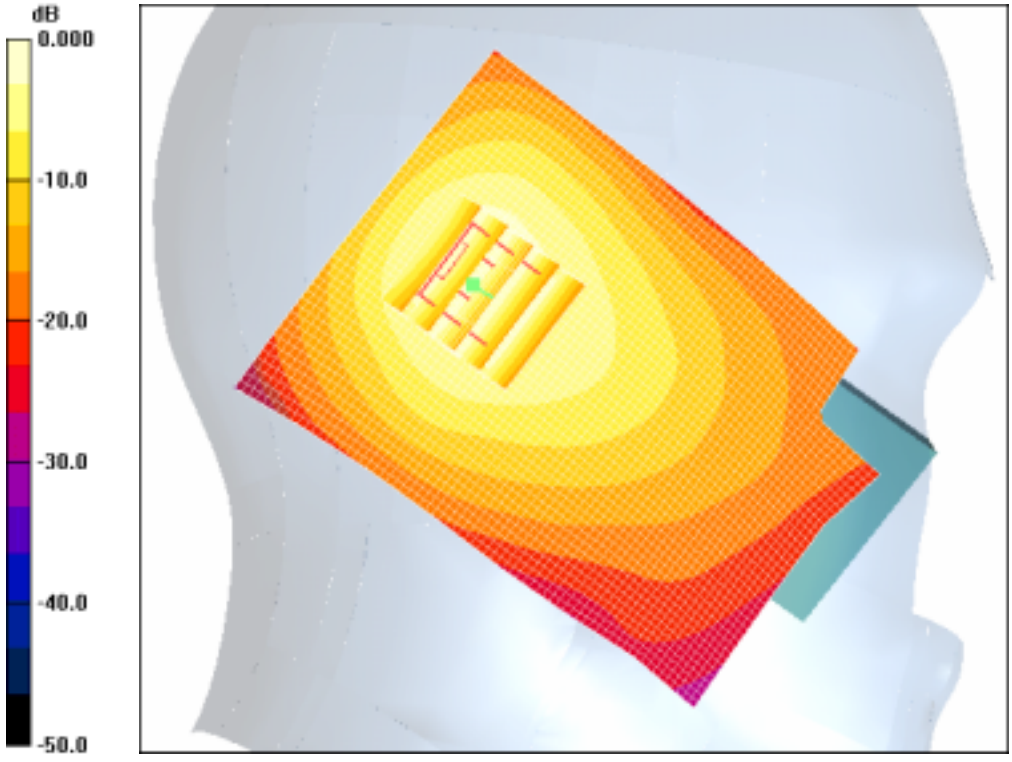
0 dB = 0.498mW/g

SAMSUNG FCC ID : A3LSGHI320N -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320N; Serial: FD-086-A
Program Name: SGH-i320N GSM1900 Left (Job No. : FD-086)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-22.5; Test Date-22/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 = 1.4 mho/m; ε_r = 38.8; 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 = 19.8 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.676 mW/g
Maximum value of SAR (measured) = 0.719 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.802 mW/g



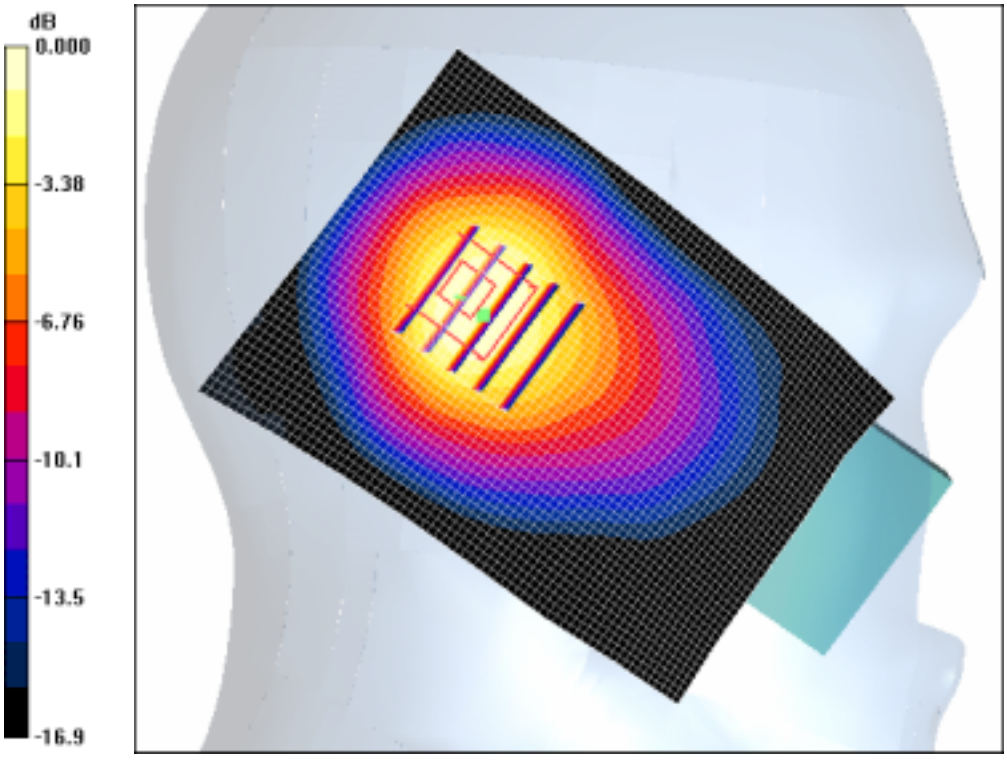
0 dB = 0.802mW/g

SAMSUNG FCC ID : A3LSGHI320N -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320N; Serial: FD-086-A
Program Name: SGH-i320N GSM1900 Left (Job No. : FD-086)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-22.5; Test Date-22/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 = 1.4 mho/m; ε_r = 38.8; 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 with BT ON/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.921 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.4 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.702 mW/g
Maximum value of SAR (measured) = 0.766 mW/g



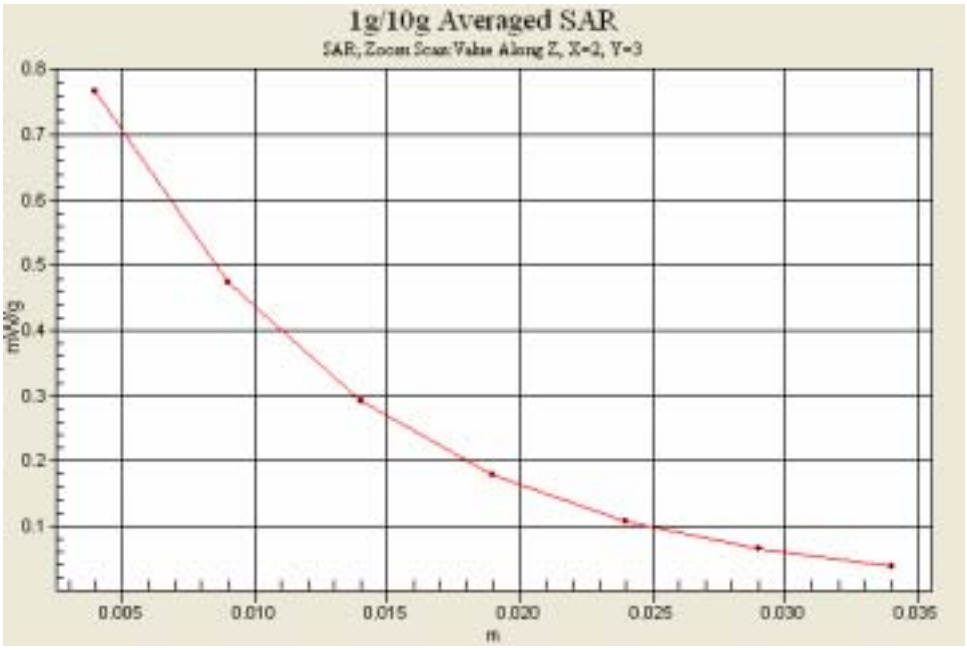
0 dB = 0.766mW/g

SAMSUNG FCC ID : A3LSGHI320N -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320N; Serial: FD-086-A
Program Name: SGH-i320N GSM1900 Left (Job No. : FD-086)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-22.5; Test Date-22/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 = 1.4 mho/m; ε_r = 38.8; 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 with BT ON/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.921 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.4 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.702 mW/g
Maximum value of SAR (measured) = 0.766 mW/g

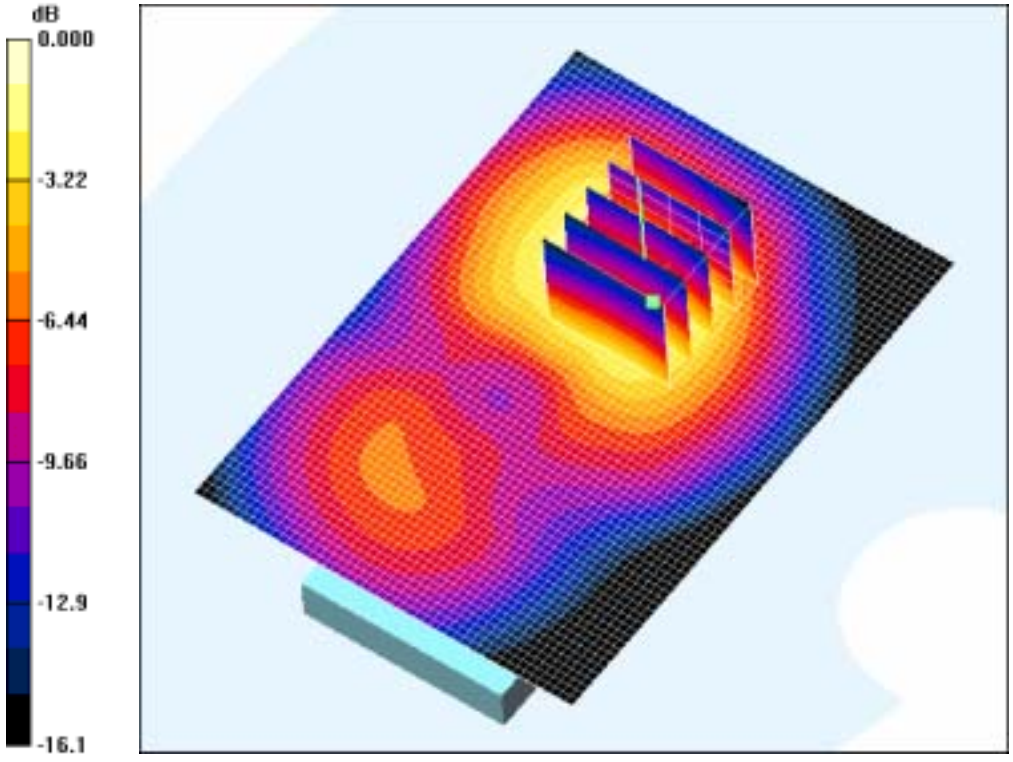


SAMSUNG FCC ID : A3LSGHI320N -- 1900MHz GSM1900 Body SAR
DUT: SGH-i320N(Body); Serial: FD-086-A
Program Name: SGH-i320N GSM1900 Body (Job No. : FD-086)
Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard with holster rotated +90
Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-21.6; Test Date-22/May/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: Body GPRS ; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1909.8 MHz; σ = 1.54 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.810, Ant.Intenna, Bat.Standard with holster rotated +90/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.833 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard with holster rotated +90/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.783 mW/g
Maximum value of SAR (measured) = 0.865 mW/g



0 dB = 0.865mW/g

SAMSUNG FCC ID : A3LSGHI320N -- 1900MHz GSM1900 Body SAR
DUT: SGH-i320N(Body); Serial: FD-086-A
Program Name: SGH-i320N GSM1900 Body (Job No. : FD-086)
Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard with holster rotated +90
Procedure Notes: Meas. Ambient Temp(celsius)-22.6, Tissue Temp(celsius)-21.6; Test Date-22/May/2006 [OET Bulletin 65-Supplement C, July 2001]
Communication System: Body GPRS ; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1909.8 MHz; σ = 1.54 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.810, Ant.Intenna, Bat.Standard with holster rotated +90/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.833 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard with holster rotated +90/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.783 mW/g
Maximum value of SAR (measured) = 0.865 mW/g