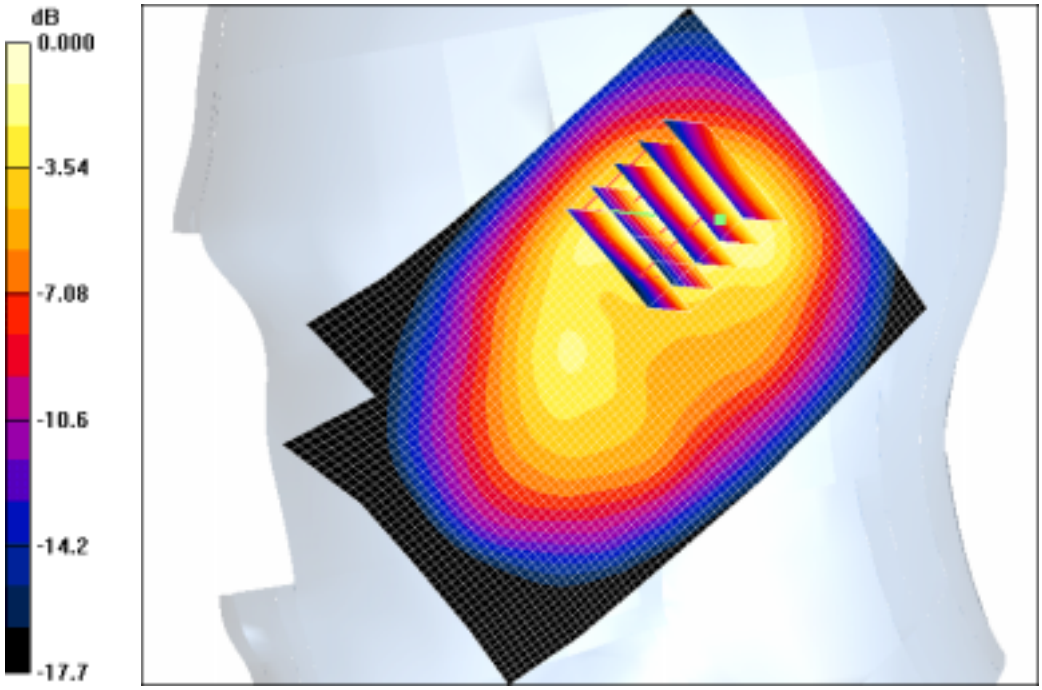
SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320; Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Right (Job No. : FD-044)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-28/Mar/2006[OET Bulletin 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 = 1.4 mho/m; ε_r = 39.2; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- 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) = 0.315 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 = 12.0 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.535 W/kg
SAR(1 g) = 0.322 mW/g
Maximum value of SAR (measured) = 0.358 mW/g



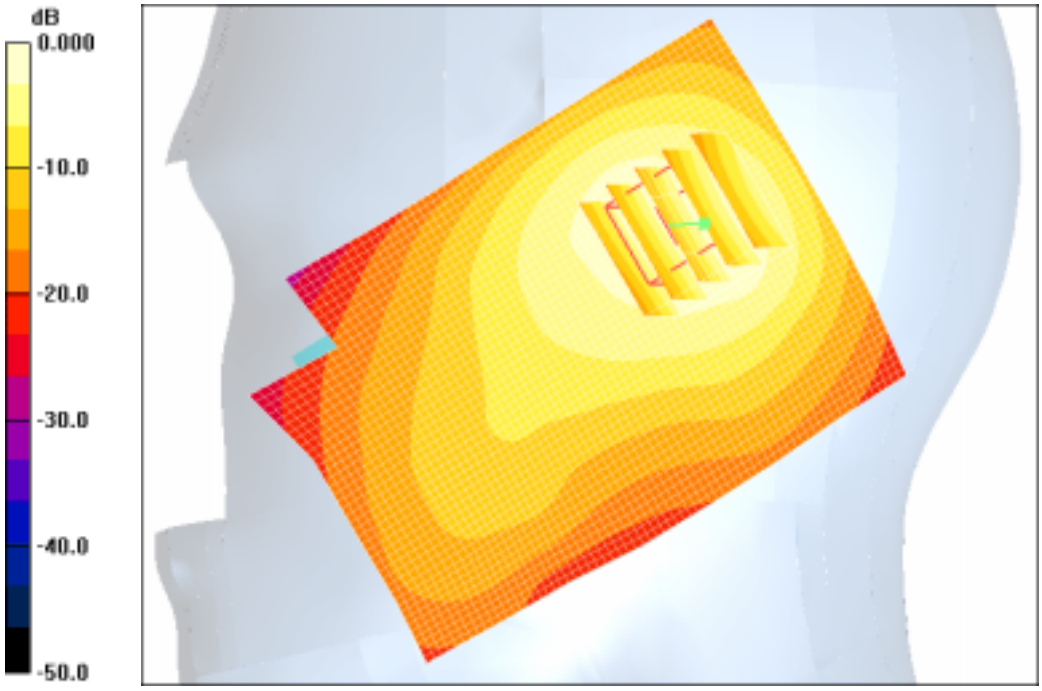
0 dB = 0.358mW/g

SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320; Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Right (Job No. : FD-044)
Procedure Name: Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-28/Mar/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 = 1.4 mho/m; ε_r = 39.2; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.8 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 0.688 W/kg
SAR(1 g) = 0.433 mW/g
Maximum value of SAR (measured) = 0.473 mW/g

Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.492 mW/g



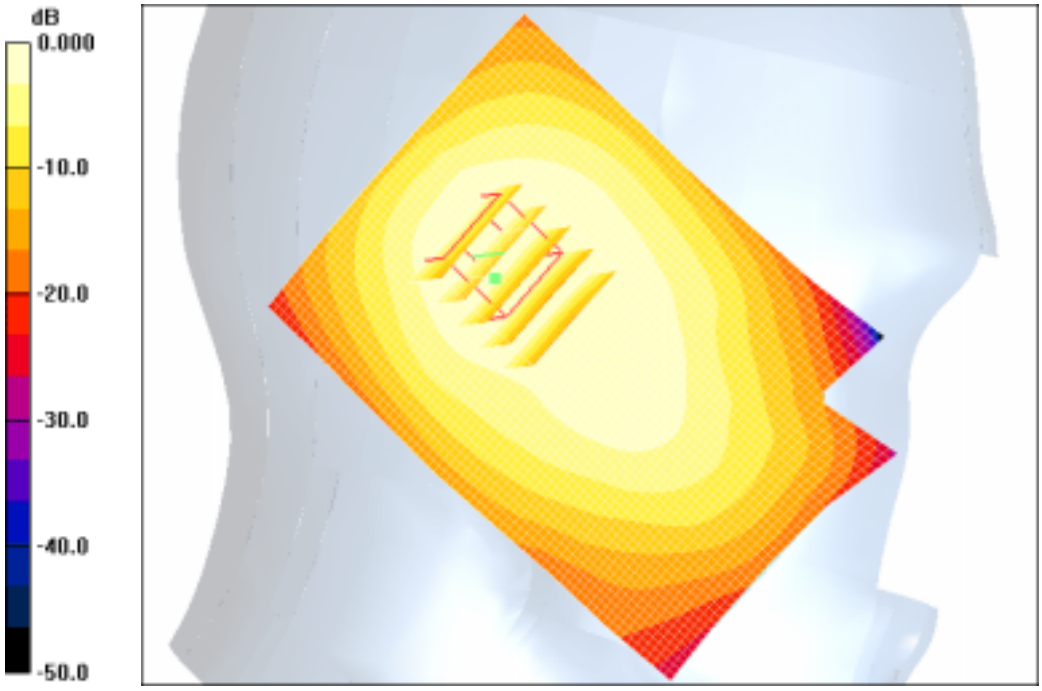
0 dB = 0.492mW/g

SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320; Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Left (Job No. : FD-044)
Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-28/Mar/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 = 1.4 mho/m; ε_r = 39.2; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- 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 = 15.0 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.310 mW/g
Maximum value of SAR (measured) = 0.340 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.315 mW/g



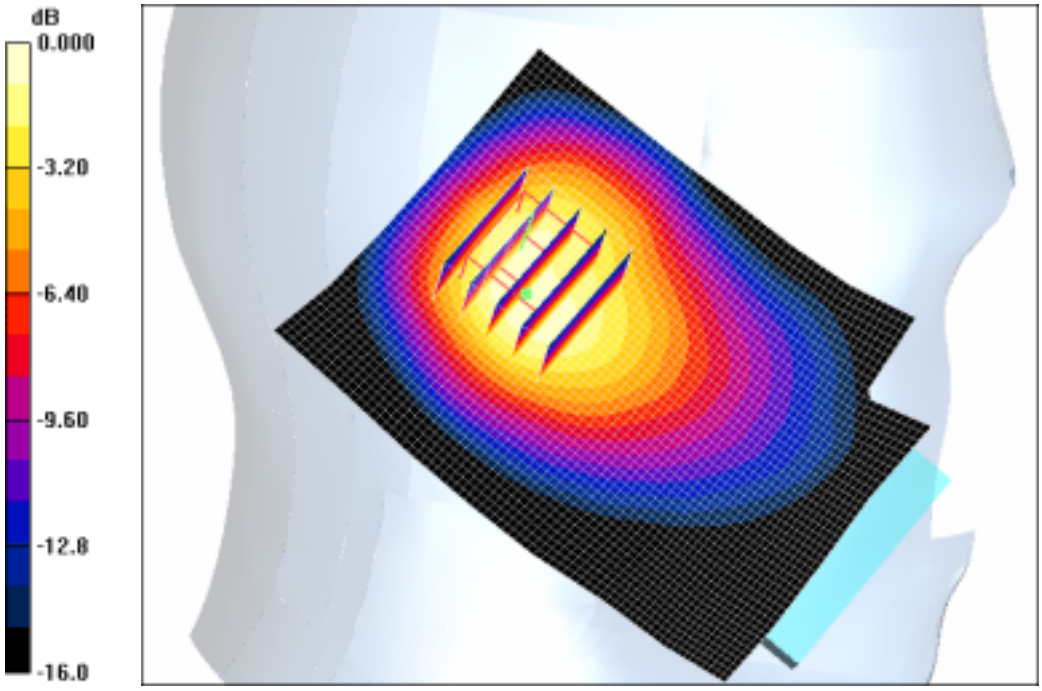
0 dB = 0.315mW/g

SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320; Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Left (Job No. : FD-044)
Procedure Name: Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-28/Mar/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 = 1.4 mho/m; ε_r = 39.2; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.505 mW/g

Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.8 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.733 W/kg
SAR(1 g) = 0.466 mW/g
Maximum value of SAR (measured) = 0.511 mW/g



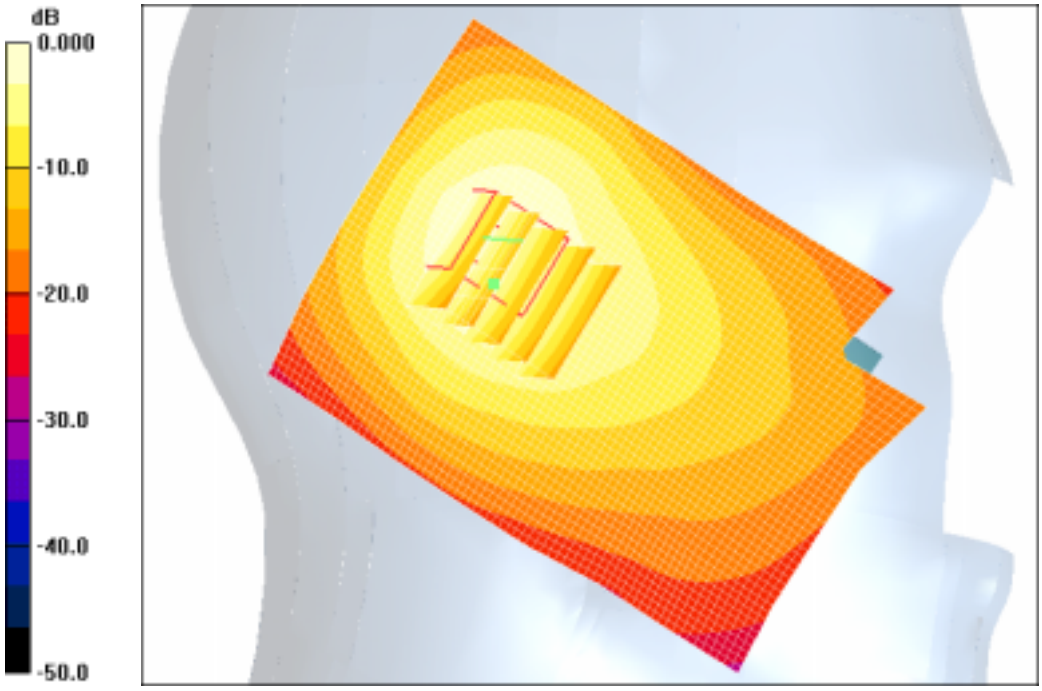
0 dB = 0.511mW/g

SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320; Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Left (Job No. : FD-044)
Procedure Name: Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard with BT ON
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-28/Mar/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 = 1.4 mho/m; ε_r = 39.2; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.728 W/kg
SAR(1 g) = 0.465 mW/g
Maximum value of SAR (measured) = 0.513 mW/g

Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.511 mW/g



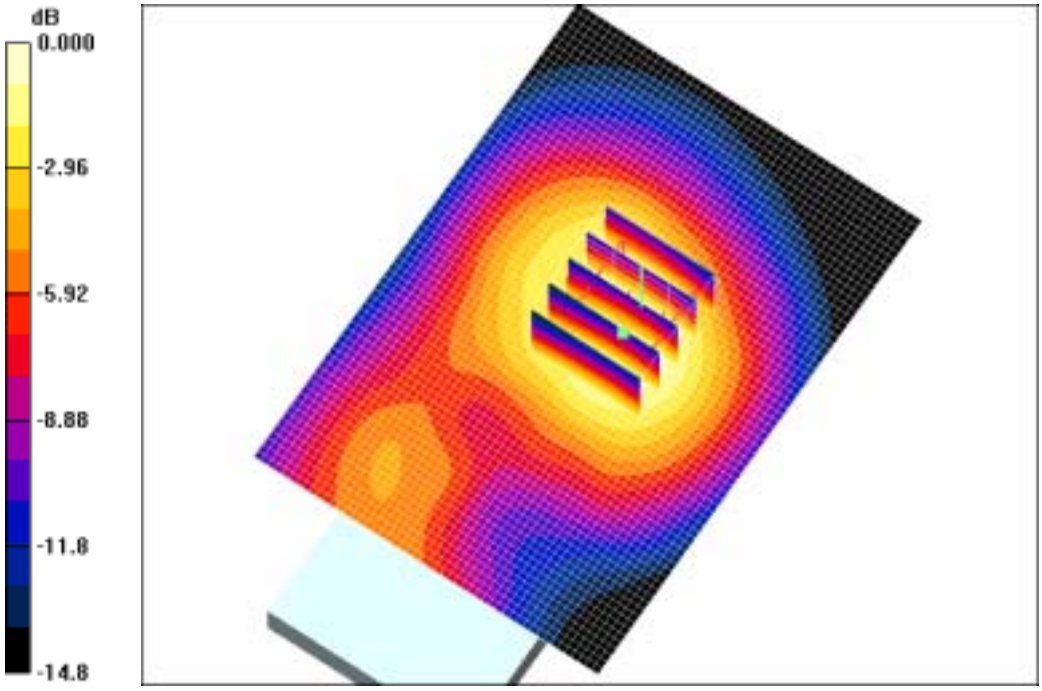
0 dB = 0.511mW/g

SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Body SAR
DUT: SGH-i320(Body); Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Body (Job No. : FD-044)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.4, Ambient Temp-21.6;Test Date-28/Mar/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.8; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.523 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.676 W/kg
SAR(1 g) = 0.449 mW/g
Maximum value of SAR (measured) = 0.493 mW/g



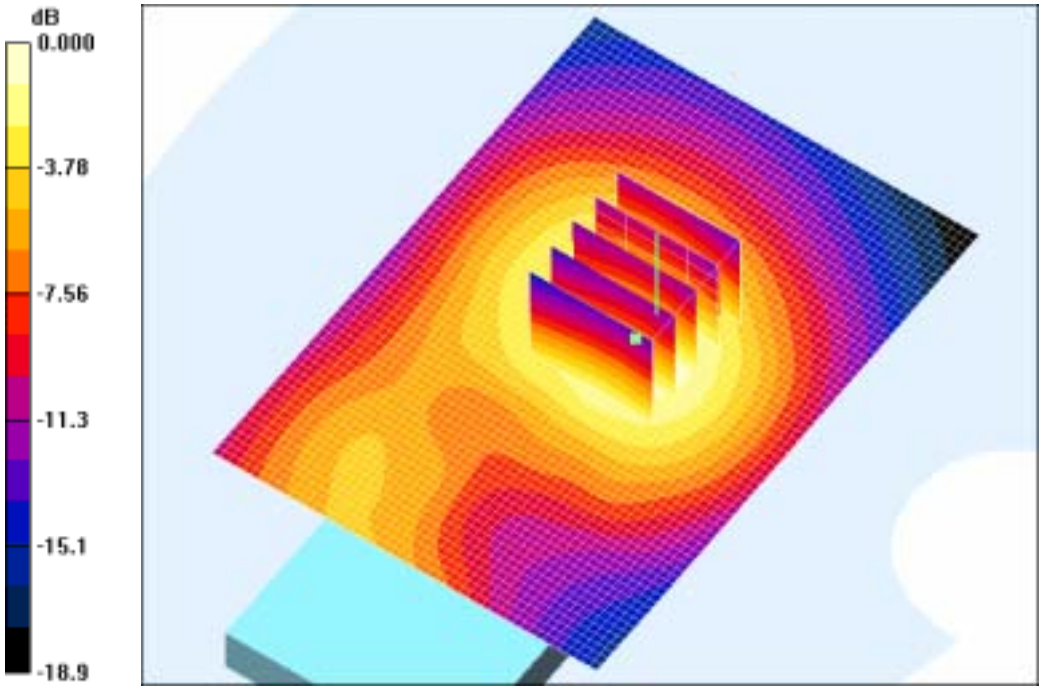
0 dB = 0.493mW/g

SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Body SAR
DUT: SGH-i320(Body); Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Body (Job No. : FD-044)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON
Procedure Notes: Meas.Tissue Temp(celsius)-21.4, Ambient Temp-21.6;Test Date-28/Mar/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.8; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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 = 16.1 V/m; Power Drift = -0.180 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.375 mW/g
Maximum value of SAR (measured) = 0.407 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON/Area Scan (51x71x1):
Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.428 mW/g



0 dB = 0.428mW/g

SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Head SAR
DUT: SGH-i320; Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Left (Job No. : FD-044)
Procedure Name: Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-28/Mar/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 = 1.4 mho/m; ε_r = 39.2; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.505 mW/g

Ear/Tilt, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.8 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.733 W/kg
SAR(1 g) = 0.466 mW/g
Maximum value of SAR (measured) = 0.511 mW/g

SAMSUNG FCC ID : A3LSGHI320 -- 1900MHz GSM1900 Body SAR
DUT: SGH-i320(Body); Serial: FD-044-C
Program Name: SGH-i320 GSM1900 Body (Job No. : FD-044)
Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.4, Ambient Temp-21.6;Test Date-28/Mar/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.8; 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: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.523 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.676 W/kg
SAR(1 g) = 0.449 mW/g
Maximum value of SAR (measured) = 0.493 mW/g