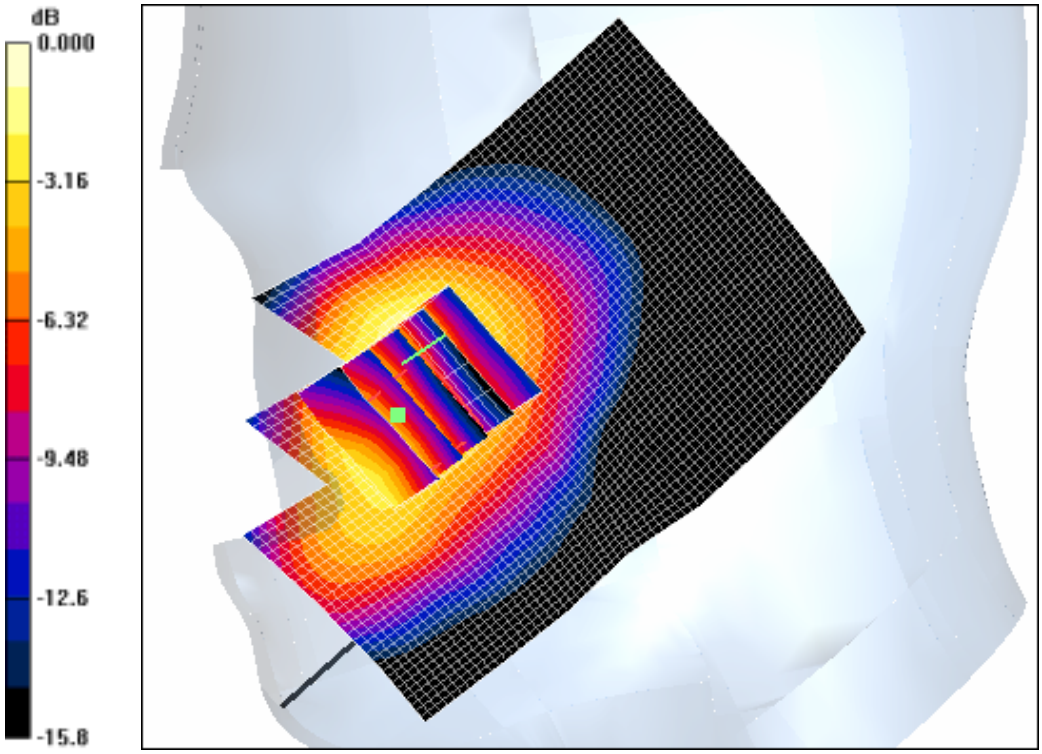
SAMSUNG FCC ID : A3LSGHE420 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E420; Serial: FD-129-C
Program Name: SGH-E420 GSM1900 Right (Job No. : FD-129)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0, Ambient Temp-22.1;Test Date-20/Jul/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 38.7; 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, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.698 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.80 V/m; Power Drift = -0.087 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.683 mW/g
Maximum value of SAR (measured) = 0.791 mW/g



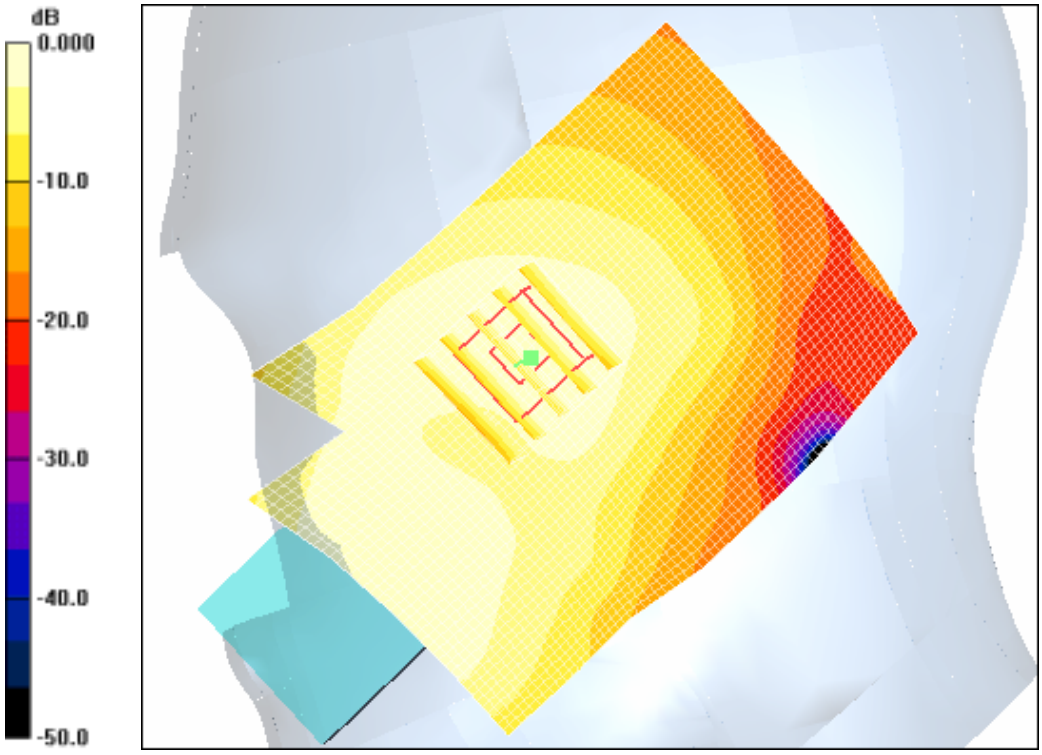
0 dB = 0.791mW/g

SAMSUNG FCC ID : A3LSGHE420 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E420; Serial: FD-129-C
Program Name: SGH-E420 GSM1900 Right (Job No. : FD-129)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0, Ambient Temp-22.1;Test Date-20/Jul/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 = 1.39 mho/m; ε_r = 38.7; 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, V4.7 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 = 2.64 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.089 W/kg
SAR(1 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.072 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.071 mW/g



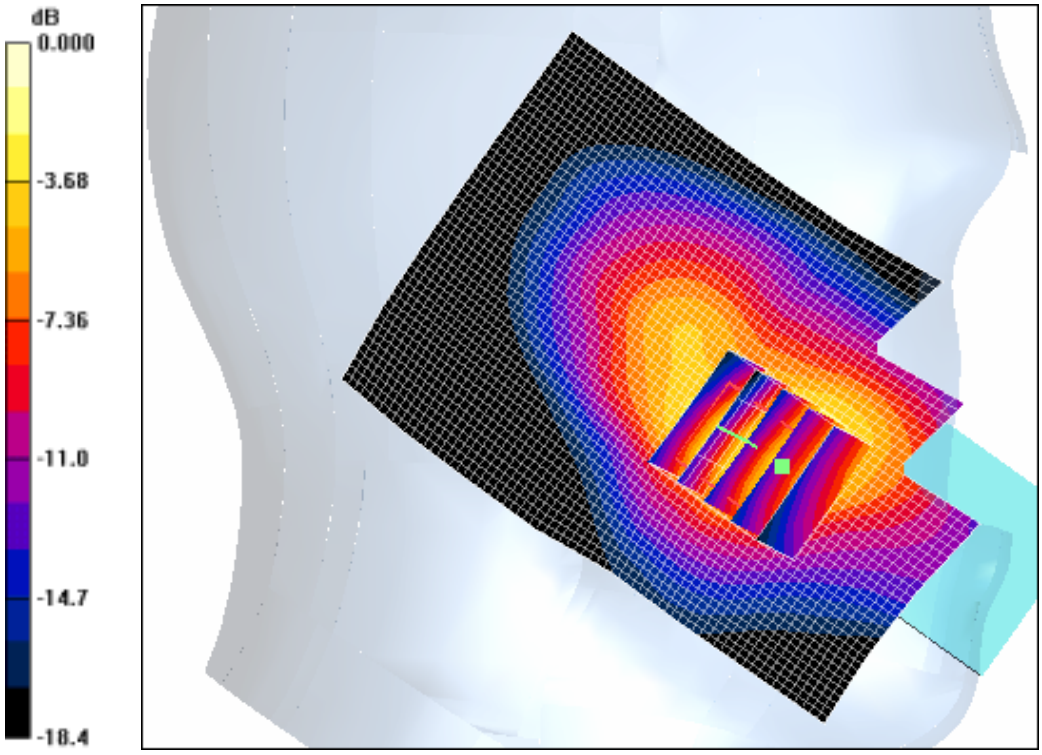
0 dB = 0.071mW/g

SAMSUNG FCC ID : A3LSGHE420 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E420; Serial: FD-129-C
Program Name: SGH-E420 GSM1900 Left (Job No. : FD-129)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0, Ambient Temp-22.1;Test Date-20/Jul/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 38.7; 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, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.929 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.51 V/m; Power Drift = 0.150 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.997 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



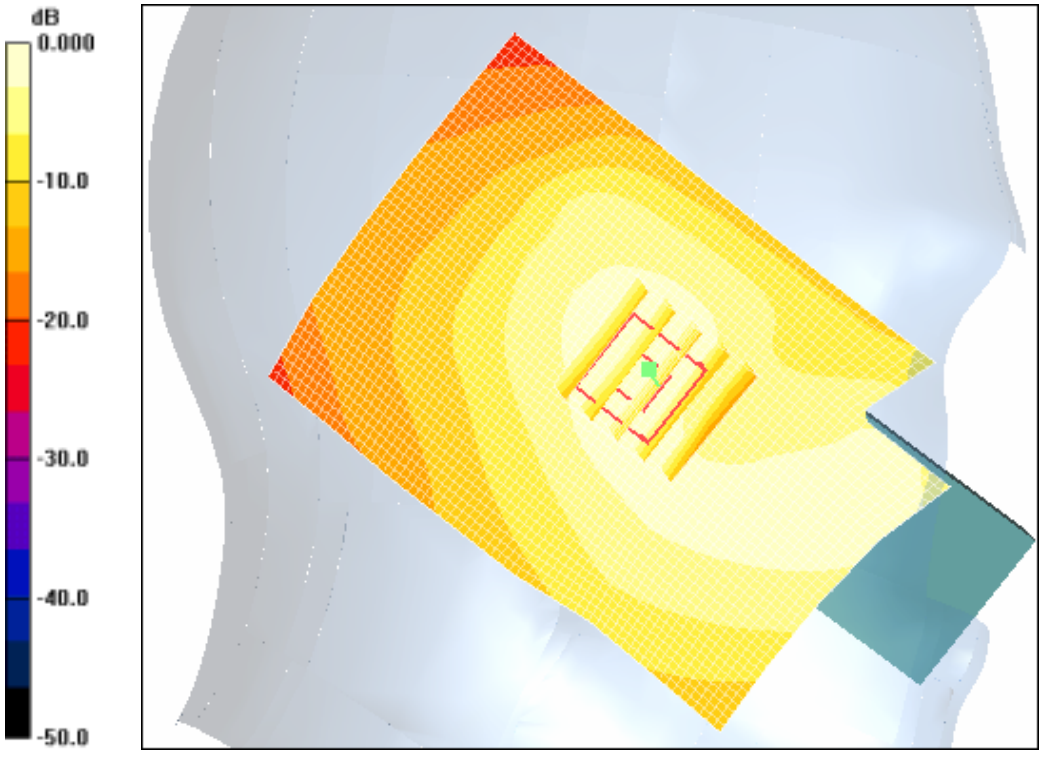
0 dB = 1.14mW/g

SAMSUNG FCC ID : A3LSGHE420 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E420; Serial: FD-129-C
Program Name: SGH-E420 GSM1900 Left (Job No. : FD-129)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0, Ambient Temp-22.1;Test Date-20/Jul/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 = 1.39 mho/m; ε_r = 38.7; 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, V4.7 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 = 3.84 V/m; Power Drift = 0.115 dB
Peak SAR (extrapolated) = 0.132 W/kg
SAR(1 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.101 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.106 mW/g



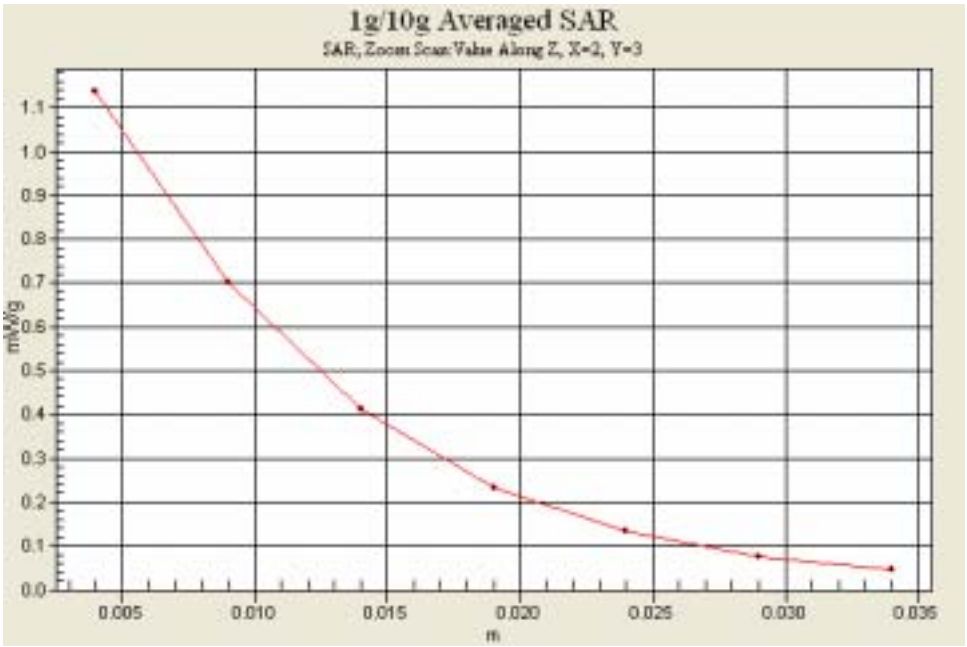
0 dB = 0.106mW/g

SAMSUNG FCC ID : A3LSGHE420 -- 1900MHz GSM1900 Head SAR
DUT: SGH-E420; Serial: FD-129-C
Program Name: SGH-E420 GSM1900 Left (Job No. : FD-129)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-22.0, Ambient Temp-22.1;Test Date-20/Jul/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ε_r = 38.7; 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, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.929 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.51 V/m; Power Drift = 0.150 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.997 mW/g
Maximum value of SAR (measured) = 1.14 mW/g

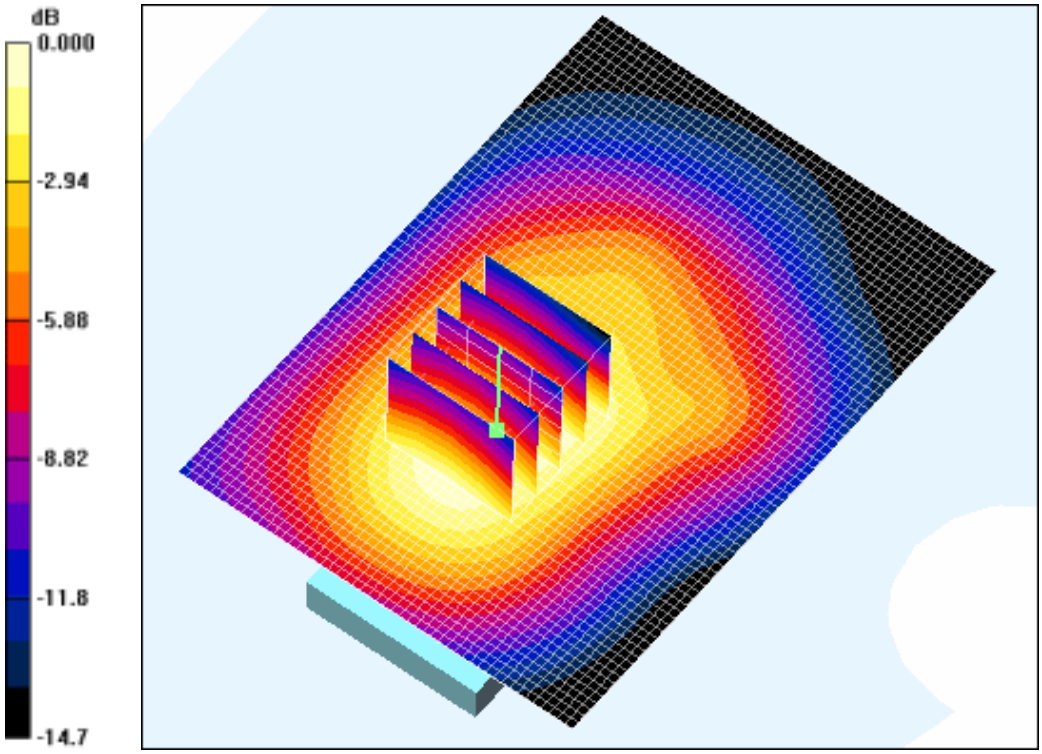


SAMSUNG FCC ID : A3LSGHE420 -- 1900MHz GPRS1900 Body SAR
DUT: SGH-E420(Body); Serial: FD-129-C
Program Name: SGH-E420 GPRS1900 Body (Job No. : FD-129)
Procedure Name: Body, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.9;Test Date-20/Jul/2006[OET Bulletin 65-Supplement C, July 2001]
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 = 52.4; 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, V4.7 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) = 0.379 mW/g

Body, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.17 V/m; Power Drift = 0.175 dB
Peak SAR (extrapolated) = 0.440 W/kg
SAR(1 g) = 0.322 mW/g
Maximum value of SAR (measured) = 0.340 mW/g



0 dB = 0.340mW/g

SAMSUNG FCC ID : A3LSGHE420 -- 1900MHz GPRS1900 Body SAR
DUT: SGH-E420(Body); Serial: FD-129-C
Program Name: SGH-E420 GPRS1900 Body (Job No. : FD-129)
Procedure Name: Body, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.9;Test Date-20/Jul/2006[OET Bulletin 65-Supplement C, July 2001]
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 = 52.4; 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, V4.7 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) = 0.379 mW/g

Body, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.17 V/m; Power Drift = 0.175 dB
Peak SAR (extrapolated) = 0.440 W/kg
SAR(1 g) = 0.322 mW/g
Maximum value of SAR (measured) = 0.340 mW/g