

SAMSUNG FCC ID : A3LSGHE315 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E315; Serial: FB-036-D

Program Name: SGH-E315 GSM1900 Right (Job No.: FB-036)

Procedure Name: Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.1; Test Date-02/Jul/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 1.43$; mho/m, $\epsilon_r = 39.0375$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Reference Value = 4.3 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 1.08 mW/g

Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan

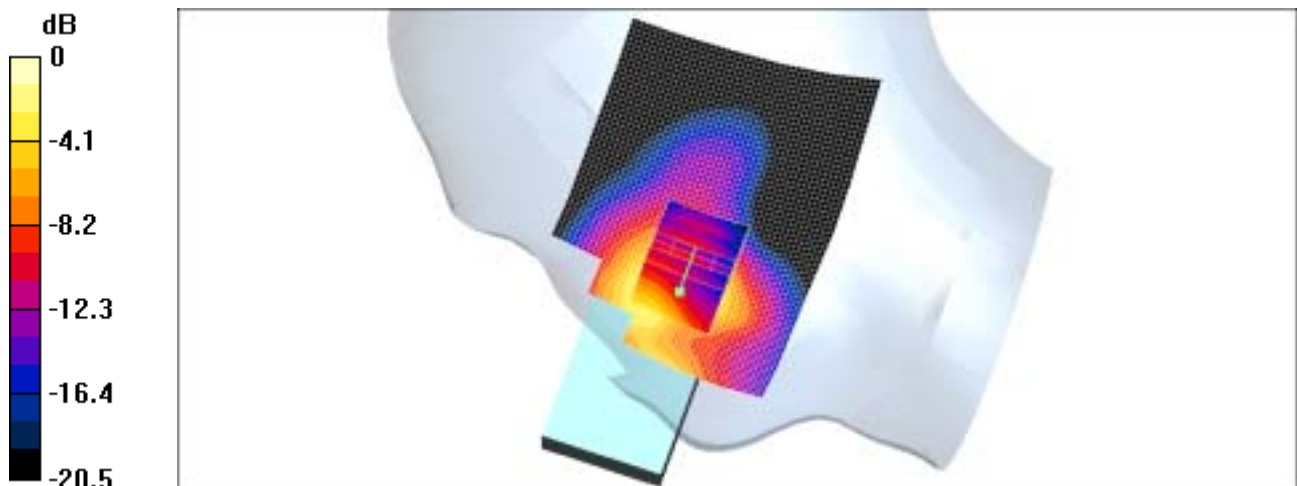
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.3 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1.18 mW/g

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.04 mW/g



0 dB = 1.18mW/g

SAMSUNG FCC ID : A3LSGHE315 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E315; Serial: FB-036-D

Program Name: SGH-E315 GSM1900 Right (Job No.: FB-036)

Procedure Name: Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.1; Test Date-02/Jul/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 1.43$; mho/m, $\epsilon_r = 39.0375$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Reference Value = 9.17 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.197 mW/g

Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

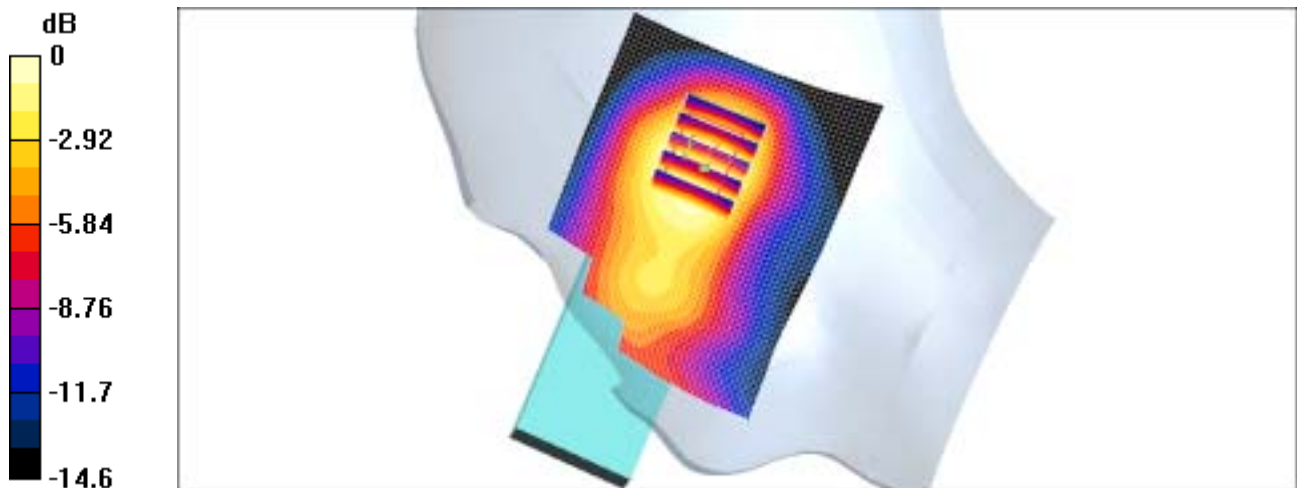
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.17 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.150 mW/g

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.144 mW/g



0 dB = 0.150mW/g

SAMSUNG FCC ID : A3LSGHE315 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E315; Serial: FB-036-D

Program Name: SGH-E315 GSM1900 Left (Job No.: FB-036)

Procedure Name: Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.1; Test Date-02/Jul/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 1.43$; mho/m, $\epsilon_r = 39.0375$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Reference Value = 4.56 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.991 mW/g

Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan

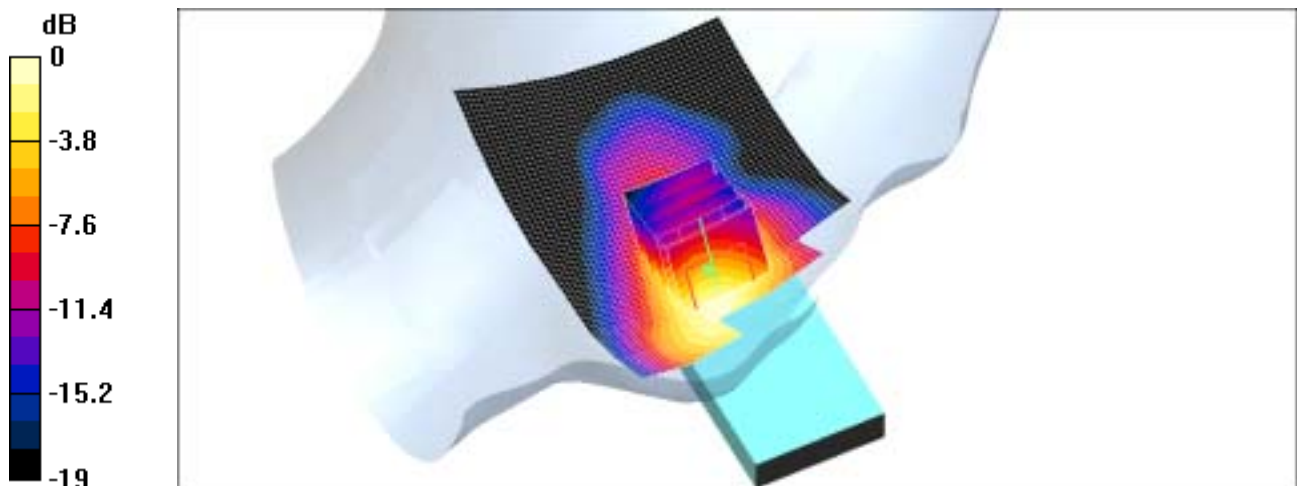
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.56 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.909 mW/g

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.852 mW/g



0 dB = 0.909mW/g

SAMSUNG FCC ID : A3LSGHE315 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E315; Serial: FB-036-D

Program Name: SGH-E315 GSM1900 Left (Job No.: FB-036)

Procedure Name: Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.1; Test Date-02/Jul/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 1.43$; mho/m, $\epsilon_r = 39.0375$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Reference Value = 7.87 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.175 mW/g

Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

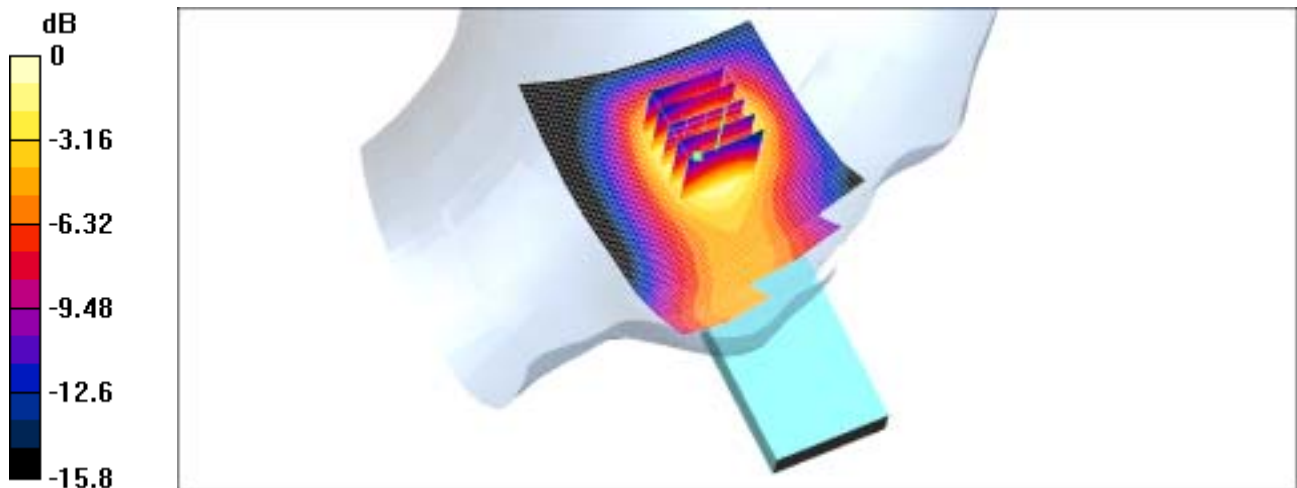
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.87 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.165 mW/g

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.154 mW/g



0 dB = 0.165mW/g

SAMSUNG FCC ID : A3LSGHE315 -- 1900MHz GSM1900 Body SAR

DUT: SGH-E315 (Body); Serial: FB-036-D

Program Name: SGH-E315 GSM1900 Body (Job No.: FB-036)

Procedure Name: Body, Ch.0512, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-02/Jul/2004 [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; $\sigma = 1.47$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 15.3 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.584 mW/g

Body, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

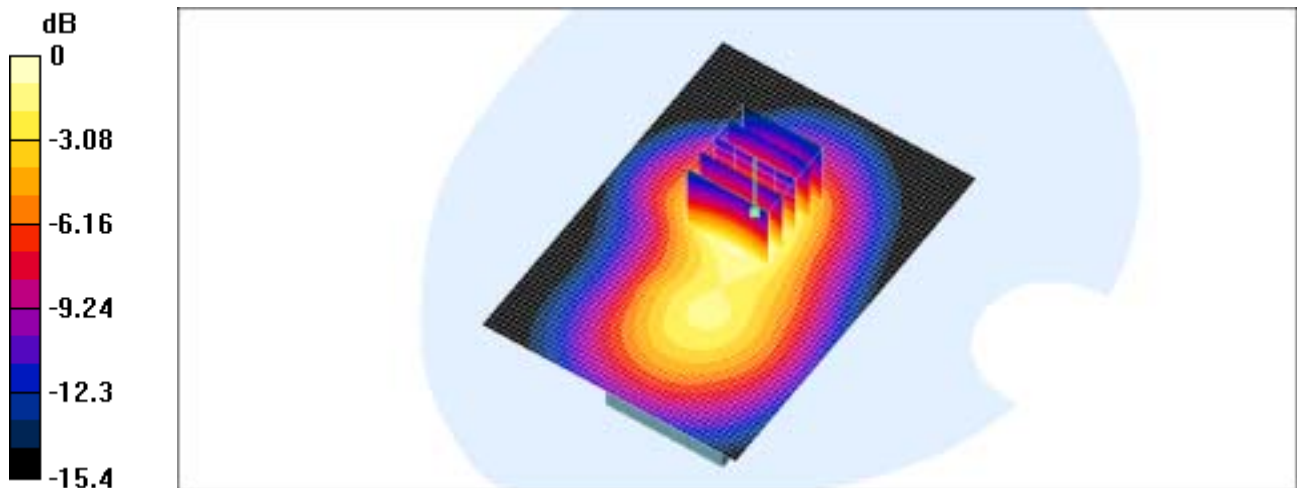
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.518 mW/g

Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.485 mW/g



0 dB = 0.518mW/g

SAMSUNG FCC ID : A3LSGHE315 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E315; Serial: FB-036-D

Program Name: SGH-E315 GSM1900 Right (Job No.: FB-036)

Procedure Name: Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-22.1; Test Date-02/Jul/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 1.43$; mho/m, $\epsilon_r = 39.0375$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1617; ConvF(5.3, 5.3, 5.3); Calibrated: 2003-09-18
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Reference Value = 4.3 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 1.08 mW/g

Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan

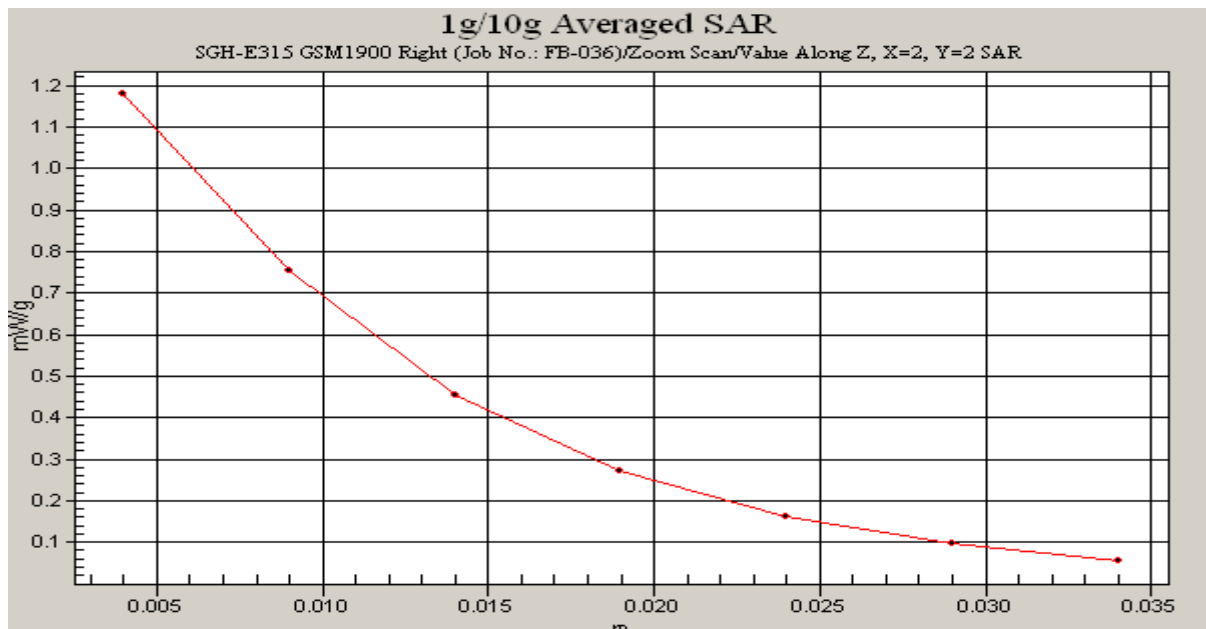
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.3 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1.18 mW/g

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.04 mW/g



SAMSUNG FCC ID : A3LSGHE315 -- 1900MHz GSM1900 Body SAR

DUT: SGH-E315 (Body); Serial: FB-036-D

Program Name: SGH-E315 GSM1900 Body (Job No.: FB-036)

Procedure Name: Body, Ch.0512, Ant.Fixed, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-02/Jul/2004 [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; $\sigma = 1.47$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Body, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 15.3 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.584 mW/g

Body, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.518 mW/g

Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.485 mW/g

